

GOVERNMENT OF MAHARASHTRA

AGRICULTURAL CENSUS 1976-77

MAHARASHTRA STATE

REPORT

ON

INPUT SURVEY

PART I & II

DEPARTMENT OF AGRICULTURE

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PREFACE

As an integral part of the Agricultural Census Programme of 1976-77, an Input Survey was also carried out in Maharashtra State in a random sub-sample of 810 villages of the sample taken for Sample Agricultural Census. In each selected village, 20 operational holdings, equally distributed in 5 size groups, were randomly selected. The data of the inputs (i.e. variety of seed, fertilizers, organic manures and pesticides) used by each selected farmer in respect of six selected principal crops, namely, paddy, bajri, kharif jowar, cotton, rabi jowar and wheat, were collected. In addition, information in respect of multiple cropping, area water logged and saline lands, live-stock and agricultural implements possessed by the farmers was also collected.

The Deputy Commissioner (Agricultural Census) was responsible for planning, organising and controlling the field work of the survey. He was assisted by a small Agricultural Census Unit created in the Directorate of Agriculture, at Pune. For the first time, the electronic processing of the data was also undertaken by the Agricultural Census Unit. The technical guidance of the computer experts of the National Institute of Training in Industrial Engineering (NITIE), Powai, Bombay was fully taken for the development of computer programmes and the processing of the data. As a part of the Agricultural Census Unit, a Mechanical Tabulation Cell was created with the Deputy Director (Mechanical Tabulation) as the Officer-In-Charge to attend to the mechanical tabulation of the data. Two Research Officers were appointed to help the above officer in this work.

The preliminary part of the field work involving the preparation of the list of operational holdings for each selected village was carried out by the talathies (i.e. patwaries). The collection of actual Input Survey data was entrusted to the Block Statistical Assistants in Panchayat Samities. The fieldwork was carried out under the supervision of the District Statitiscal Officers of the Directorate of Economics and Statistics and the Statistical Officers and staff of the Department of Agriculture.

The results of the Input Survey for the State and regions are presented in this report. The report is divided into two parts. The first part contains seven chapters while the second part contains statistical tables 1 to 12 giving the estimates according to 5 size classes of holdings for the State and each region. The first three chapters of Part-I deal with the background information, organisational arrangements, concepts and definitions, etc. Chapter IV gives the findings of the Input Survey for the individual crops, while those for the six crops taken together are given in Chapter-V. The extent of multiple—cropping is discussed in the Chapter-VI, while the findings relating to live-stock and agricultural implements are summarised in Chapter-VII.

The results of the Input Survey show that, in 1976-77, there were 54 lakh holdings in the State with an operated area of 176 lakh ha. Of these, 49 lakh holdings grew one or more of the six principal crops under unirrigated conditions, their area being 117.3 lakh, ha. In case of these crops under irrigation, the number of growers was 13.5 lakh, their area being 14.5 lakh ha.

The total consumption of chemical fertilizers by the six crops was estimated at 4 lakh tonnes, 2.5 lakh tonnes by the crops grown in unirrigated conditions and 1.5 lakh tonnes by the irrigated crops. Hence the above crops under irrigation received nearly 40 per cent of the total quantity of fertilizers though their area was only 11 per cent of the total. Urea and fertilizer mixtures were the major fertilizers used forming 47 per cent and 44 per cent, respectively, of the total quantity of fertilizers. 80 per cent of these two chemical fertilizers were applied to the six principal crops in the holdings falling in the last three size groups.

The total quantity of organic manures used for the six principal crops was estimated at 2.8 lakh tonnes. The use of pesticides was on a low scale with hardly one-seventh of the holdings growing dry/irrigated crops getting the benefit.

The extent of multiple cropping in the State was relatively small. Thus out of the total net irrigated area of 19.35 lakh ha. in the State, one crop was raised to the extent of 68 per cent, 2 crops in 31 per cent and 3 crops in 0.5 per cent only. In case of dry crops, hardly 9 per cent of the area was cropped twice.

Nearly one fifth of the total area of 117.3 lakh ha. under the unirrigated six crops was under High Yielding Varieties Programme, while it was 40 per cent (out of 14.5 lakh ha.) in case of the irrigated crops.

The estimated numbers of cattle and buffaloes owned by the farmers were 166 lakh and 37 lakh respectively. The corresponding estimates per 100 households were 298 and 67 and per 100 ha. of operated area were 83 and 18. Similar estimates in respect of agricultural implements and machinery owned by the farmers were also obtained and discussed in more detail in Chapter-VII.

The report contains the details of the above and other findings of the Input Survey for the State and regions. I trust that these results (presented according to size class of holdings) for Maharashtra State, would be of considerable utility not only to the Government departments, but also to the extension and research workers in the field of agriculture, economists and others associated with agricultural planning and development.

The Block Statistical Assistants (of the Panchayat Samities) and the talathies who were entrusted with the responsibility of collection of basic data did a good job, taking into consideration that they had to attend to this work in addition to their normal duties. The higher officers in the Zilla Parishads right from the Chief Executive Officers down to the Block Development Officers, the District Statistical Officers, the Statistical Officers and supervisors of the Agriculture Department, gave necessary support while the statistical officers and staff supervised the field work also to the extent possible. I would like to express my thanks to all these officers and staff.

Shri V. G. Sharma, Deputy Commissioner (Agricultural Census) was responsible for the successful planning and organisation of the Input Survey and also the preparation of the detailed report on the Input Survey. Prof. S. K. Singh and Shri A. D. Raut, computer experts of the NITIE, took a deep personal interest and gave valuable guidance in the development of the computer programmes and in the processing of the data on the electronic computer. Shri N. P. Joshi, as Deputy Director of Mechanical Tabulation Unit, had put in commendable efforts in rendering requisite help in the development of cmputer programmes, in attending to the actual processing of the data on the computer and in the finalisation of the draft report. I would like to place on record my appreciation of the services rendered by all these officers and other staff.

I would like to express my gratitude to the officers of the Agricultural Census Division, Government of India, New Delhi for their guidance and help in the conduct of the Input Survey.

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Agricultural Census Commissioner and Secretary to Government of Maharashtra, Bombay-32.

Bombay,
28th May 1980

CONTENTS

PART-I

CHAPTER-I

INTRODUCTION

Paragraph No.		*Page*
1.2	Decision regarding conduct of the Input Survey	1
1.4	Objects	1
1.5	Scope	1
1.6	Reference year	2
1.7	Methodology	2
1.12	Concepts and Definitions	3
1.13	Administrative Divisions of the State	4
1.14	Agro-climatic zones	4
1.15	Contents of the Report	4

CHAPTER-II

ORGANISATION

2.4	Arrangements for the survey	5
2.9	Field work	6
2.15	Output tables and estimation procedure	7
2.16	Arrangements for processing of data	7

CHAPTER-III

BACKGROUND INFORMATION RELATING TO THE RESULTS OF THE INPUT SURVEY

3.2	Efforts made to popularise the use of Inputs	9
3.3	Limitations of the findings	9
3.7	Availability of data for processing	10
3.8	Classification of fertilizer mixtures	10
3.9	Estimated total number of holdings	10

CHAPTER-IV

PRESENTATION OF RESULTS

4.1	State and regional estimates	12
4.2	Important regions growing each crop	12
4.3	Estimates in terms of percentages	12
4.5	Estimates presented on crop oriented basis	12
4.6	Number of "crop growers" and "crop holdings" used synonymously	13
4.7	Non-additivity of the number of irrigated and unirrigated holdings	13
4.8	Rate of application of inputs	13

DISCUSSION OF RESULTS

4.9	Consumption of fertilizers and organic manures—present position	13

CONSUMPTION OF FERTILIZERS

4.12	State level findings	14
4.13	Fertilizer consumption relating to irrigated and unirrigated crops	15
4.14	Size class-wise consumption of the chemical fertilizers	15
4.15	Consumption of organic manures	16
4.16	Quantity of organic manures applied to irrigated and dry crops	18
4.17	Size class-wise consumption of farm yard manures	18
4.18	Regional estimates of consumption of fertilizers and organic manures.. ..	18

SUMMARY OF FINDINGS RELATING TO CROPWISE USE OF INPUTS

Crop—Paddy

Paragraph No.		Page
4.19	Introduction	18
	State level findings	
4.22	Number of holdings growing the crop	19
4.23	Average area under paddy per holding	19
4.24	Number of holdings receiving inputs	20
4.25	Use of inputs according to size classes of holdings	20
4.27	Extent of cultivation of High Yielding Varieties	21
4.28	Relative extent of use of inputs	22
4.29	Extent of use of inputs according to size classes of holdings	22
	Regionwise findings	
4.34	Number of paddy growers in each region	25
4.35	Number of paddy holdings according to size classes	25
4.36	Number of paddy growers using different inputs	26
4.37	Use of inputs according to size classes of holdings	27
4.43	Extent of cultivation of High Yielding Varieties	29
4.45	Relative importance of inputs used in the regions	30
4.46	Use of major inputs according to size classes of holdings	31
	Crop—Bajri	
4.52	Introduction	33
	State level findings	
4.56	Number of holdings growing the crop	34
4.57	Average area under bajri per holding	35
4.58	Number of farmers applying inputs	35
4.59	Use of inputs according to size classes of holdings	36
4.60	Extent of cultivation of Hybrid Varieties	36
4.61	Relative importance of the inputs used	37
4.62	Extent of use of major inputs according to size classes of holdings	37
	Regionwise findings	
4.67	Number of bajri growers	38
4.68	Number of bajri holdings according to size classes	39
4.69	Number of holdings receiving inputs	39
4.73	Extent of cultivation under Hybrid Varieties	40
4.75	Extent of use of inputs	41
	Crop—Kharif jowar	
4.77	Introduction	42
	State Level findings	
4.81	Number of holdings growing the crop	43
4.82	Average area under kharif jowar per holding	43
4.83	Number of holdings receiving inputs	44
4.84	Extent of cultivation of Hybrid Varieties	45
4.85	Relative extent of use of inputs	46
4.86	Extent of use of major inputs according to size classes of holdings	46

Regionwise findings

Paragraph No.		*Page*
4.91	Number of Kharif jowar growers in each region	48
4.92	Number of Kharif jowar growing holdings according to size classes	49
4.93	Number of farmers using inputs	49
4.98	Extent of cultivation of Hybrid Varieties	52
4.99	Size class-wise distribution of area under Hybrid and other Varieties	52
4.100	Extent of use of inputs	53
	Crop—Cotton	
4.105	Introduction	55
	State level findings	
4.107	Number of holdings growing the crop	55
4.109	Average area under cotton per holding	56
4.110	Number of holdings receiving inputs	56
4.111	Use of major inputs according to size classes of holdings	57
4.112	Extent of cultivation of Hybrid Varieties	58
4.113	Relative extent of use of inputs	58
4.114	Extent of use of major inputs according to size class of holdings	59
	Regionwise findings	
4.118	Number of cotton growers	61
4.120	Number of holdings receiving inputs	62
4.121	Use of inputs in regions according to size classes of holdings	62
4.123	Extent of cultivation of Hybrid Varieties	63
4.124	Extent of use of inputs in the regions	64
	Crop—Rabi jowar	
4.128	Introduction	67
	State level findings	
4.130	Number of holdings growing the crop	68
4.131	Average area under rabi jowar per holding	68
4.132	Number of holdings receiving inputs	69
4.133	Use of major inputs according to size classes of holdings	69
4.134	Extent of cultivation of Hybrid Varieties	70
4.135	Relative extent of use of inputs	71
	Regionwise findings	
4.138	Number of rabi jowar growers in regions	72
4.140	Number of rabi jowar growers using different inputs	73
4.141	Use of inputs according to size classes of holdings	73
4.142	Extent of cultivation of Hydrid Varieties	74
4.143	Size class-wise distribution of the area under rabi-jowar	74
4.144	Relative importance of inputs used in regions	75
	Crop—Wheat	
4.146	Introduction	77
	State level findings	
4.147	Number of farmers growing wheat	78
4.148	Average area under wheat per holding	78
4.149	Number of holdings receiving inputs	79
4.150	Use of inputs according to size classes of holdings	79
4.151	Use of High Yielding Varieties (H.Y.V.)	80
4.152	Use of inputs	81
4.153	Use of inputs according to size classes of holdings	81

Regionwise findings

Paragraph No.		*Page*
4.158	Number of wheat growers	83
4.159	Number of holdings according to size groups	84
4.160	Number of holdings receiving inputs	84
4.161	Use of inputs according to size groups	85
4.166	Extent of cultivation of High Yielding Varieties	88
4.167	Area under H.Y.V. according to size classes of holdings	89
4.168	Extent of use of inputs	90
4.169	Use of inputs according to size classes of holdings	91
	ESTIMATES RELATING TO SIX PRINCIPAL CROPS (TAKEN TOGETHER)	
	Based on Gross Area	
4.174	Comparative estimates of gross area under principal crops applied with inputs ..	93
4.178	Estimated rates of application of major inputs	93
4.183	Consistency of Input Survey statistics	95
4.189	Comparison of Input Survey estimates with those of the 26th round of N.S.S.O. ..	96
	CHAPTER-V	
	ESTIMATES RELATING TO THE USE OF INPUTS FOR THE SIX PRINCIPAL CROPS (TAKEN TOGETHER)—BASED ON THE NET NUMBER OF HOLDINGS AND AREA	
5.2	Chemical fertilizers	98
5.8	Organic manures	99
5.15	Pesticides	100
	CHAPTER-VI	
	MULTIPLE CROPPING AND AREA AFFECTED BY WATER LOGGING AND SALINITY	
6.1	Introduction	102
6.2	Information collected in the Input Survey	102
6.3	Extent of multiple cropping	102
6.4	Intensity of cropping	103
6.6	Area affected by water logging and salinity	104
	CHAPTER-VII	
	ESTIMATES OF LIVE-STOCK, AGRICULTURAL IMPLEMENTS AND MACHINERY	
	State level findings	
7.2	Cattle	106
7.5	Buffaloes	107
7.7	Distribution of live-stock according to size classes	108
	Regionwise Comments	
7.11	Number of live-stock per 100 households	109
7.12	Number of live-stock per 100 ha. of operated area	109
7.14	Agricultural Implements and Machinery	110
7.15	Number of implements per 100 households	110
7.20	Estimates per 100 ha. of operated area	111
7.22	Size class distribution of agricultural implements, etc. owned by cultivating households	111
	ANNEXURES	
Annexure I	Sampling procedure used in the Input Survey	112
Annexure II	Statement giving number of villages selected for the Input Survey in each district.	113
Annexure III	Estimation procedure for input characteristics	114
	APPENDICES	
Appendix I	Table Numbers : 1 to 13	115 to 126
Appendix II	Map of Maharashtra State showing boundaries of the six regions	127
Appendix III	Diagram : Crop-wise consumption of chemical fertilizers	129
Appendix IV	Diagram : Percentage consumption of chemical fertilizers by principal crops	131
Appendix V	Diagram : Crop-wise consumption of organic manures	133

AGRICULTURAL CENSUS, 1976-77

MAHARASHTRA STATE

REPORT ON THE INPUT SURVEY

CHAPTER I—INTRODUCTION

1.1. A sample survey was carried out in Maharashtra State as a part of an all-India programme for collecting data mainly regarding the use of different inputs in the cultivation of the principal crops by the farmers. It formed an integral part of the Sample Agricultural Census, 1976-77 sponsored by the Government of India. In the previous Agricultural Census of 1970-71, the information relating to use of inputs etc. was collected through a separate sample survey undertaken by the National Sample Survey Organisation, Government of India in its 26th round. In the current Census, The sample survey—hereafter referred to as the Input Survey—was carried out in a random sample of 810 villages with 20 holdings randomly selected in each village. The results of the Input Survey conducted in Maharashtra State are summarised in this report.

Decision regarding conduct of the Input Survey

1.2. Due to the late sanction of the Agricultural Census scheme by the Government of India and its consequent late commencement in different States (i.e. late in the kharif season of 1976-77), no definite decision was taken till October, 1976 regarding the relevant details of the Input Survey. At a meeting of all State Agricultural Census Commissioners and other Census officials concerned convened at New Delhi in October 1976, a final decision was taken to undertake the Input Survey with 1976-77 as the reference year, as the Sample Agricultural Census was also to be carried out with the same reference year. The broad organisational and technical details of the survey were also finalised.

1.3. It was decided that the data on the inputs used should be collected without much time lag after the inputs had actually been applied to the selected crops grown in 1976-77. For this purpose, it was felt desirable to collect the data for the kharif crops first and subsequently for the rabi crops so as to avoid memory bias on the part of the farmers in furnishing the exact information on the kind and quantity of inputs used.

Objects

1.4. The objects of the Input Survey were—

(*i*) To obtain estimates of the number of holdings and the area benefited by important inputs in respect of six principal crops of the State with a reasonable precision at the State and regional* levels.

(*ii*) To obtain similar estimates of the quantity of fertilizers applied.

(*iii*) To assess the extent and nature of multiple cropping in the State and area affected by salinity and water logging.

(*iv*) To estimate the live-stock number, agricultural implements and machinery owned by the farmers.

Scope

1.5. The scope of the survey was restricted to the collection of date for the following items:—

(*a*) *Use of inputs.*—(*i*) Variety of seed used (i.e. hybrid/high yielding variety or other i.e. traditional variety.

*The particulars of the regions referred here are given in paragraph 4.1 of Chapter IV.

(*ii*) Fertilizers (namely–ammonium sulphate, superposphate, urea and other chemical fertilizers including fertilizer mixtures).

(*iii*) Organic manures (namely–farm yard manures and town compost).

(*iv*) Pesticides applied by dusting/spraying.

The input data were collected for each of the six principal crops viz., paddy, bajri, kharif jowar, cotton, rabi jowar and wheat for each selected holding separately for the irrigated and unirrigated crops. In respect of items (ii), (iii) and (iv), the data on the quantity of input used as also the area benefited were collected.

(*b*) *Multiple cropping as also area of land affected by salinity and water logging.*—In regard to multiple cropping, information was collected on the area cropped once, twice and more than twice under irrigated and unirrigated conditions.

(*c*) *Number of live stock, agricultural implements and machinery.*—Information collected related to the number of live-stock, cattle, buffaloes, poultry, etc. and number of agricultural implements and machinery owned by farmers, mostly according to the classification adopted in the Livestock Census.

Reference period

1.6. The kharif season of the year 1976-77 was taken as the reference period for the collection of data relating to the four kharif crops namely—paddy, bajri, kharif jowar and cotton, while for the two rabi crops of rabi jowar and wheat, the rabi season of that year was taken as the reference period. For the summer paddy crop, the summer season of 1976-77 was the reference period.

For multiple cropping, the data were collected for the entire agricultural year 1976-77. In respect of live-stock, agricultural implements, etc., 15th April 1977 was taken as the reference date.

Methodology

1.7 The information required for the Sample Agricultural Census was readily available in the village revenue records and hence the "retabulation method" was adopted for compiling the data for the same. But the information required for the Input Survey (which was an integral part of Sample Agricultural Census), relating to inputs, live-stock and agricultural machinery, etc., was not available in the village records. Hence, the data for the Input Survey had to be collected by enquiry with the selected farmers by adopting the household approach.

1.8. The random sample of 810 villages selected for the Input Survey were the very villages selected (in consultation with the National Sample Survey Organisation of the Government of India) for checking the field work of the Timely Reporting Scheme in the State by the Statistical supervisors. These villages, forming 2 per cent of the total number of villages in the State were selected as a sub-sample of the sample of the villages used for the Timely Reporting Scheme for the year 1976-77. The particulars of the sampling procedure used for selecting the villages are given in the Annexure-I and those of the number of villages selected in each district are given in the Annexure-II.

1.9. In each selected village, all the households were* enumerated by physical verification and allotting a serial number of each individual household. The basic information on the operated area of the family land holding was collected in respect of each cultivating household. Such holdings were then classified into five broad size groups on the basis of the operated area as below:—

(1) Below 1.00 ha.

(2) 1.00 to 1.99 ha.

(3) 2.00 to 3.99 ha.

*Institutional holdings were excluded in the Input Survey.

(4) 4.00 to 9.99 ha.
(5) 10 ha. and above.

In each of the size groups, out of the list of the holdings, four holdings were selected at random (with equal probability) and the requisite data as prescribed by the Central Ministry of Agriculture were collected for these selected holdings. Where a size group had less than four households, all of them were taken for the survey. A size group without any household was dropped.

1.10. With the household approach in the survey, it was planned to collect the data for each family holding. But in actual practice, it was found that generally the family holding was practically the same as the individual operational holding, in most of the cases. Hence the holdings referred to in this report are operational holdings.

1.11. The information on the kind and quantity of fertilizers used for each crop, area benefited, varieties grown (i.e. hybrid/high yielding varieties or other varieties) was obtained by inquiry with the selected cultivators separately for the irrigated and unirrigated crop. While enquiring with the farmer regarding the inputs used, the information was first compiled, parcel by parcel of land of his holding, in a separate schedule prescribed for the purpose. This was helpful in avoiding confusion, omission or duplication of the data compiled. The information thus compiled was then aggregated for each holding etc. Similar procedure was adopted while collecting data on multiple cropping also.

Concepts and Definitions

1.12. The concepts and definitions adopted in the survey are briefly explained below :—

(*a*) *Household.*—A group of persons normally living together and taking food from a common kitchen constituted a household.

(*b*) *Resident cultivator.*—A cultivator was regarded a the resident of a village if he normally resided and had his household in that village.

(*c*) *Operational holding.*—A holding for the Census purposes was all the land which was used wholly or partly for agricultural production and was operated as one technical unit by one person alone or with others, without regard to title, legal form, size or location. A technical unit was the unit which, under the same management, had the same means of production, such as labour force, machinery and animals.

The holding might consist of one or more parcels of land, provided all the separate parcels formed a part of the same technical unit and were situated in the same district. If an operator was cultivating lands located in two or more different districts, the lands located in one district taken together comprised one operational holding, while those in the other district formed another operational holding to be located in the later district.

A parcel of land here refers to the smallest cadastral unit viz., a pot-hissa or survey number in case the survey number had no sub-division i.e. the smallest piece of land for which particulars of tenurial rights and crop statistics are maintained in the basic village form (Village Form VII-XII or khasra register). This definition, differing from that given by the F.A.O. and recommended by the Government of India, had been adopted for convenience as it afforded easy and quick identification of the components of a holding particularly when the same had to be compiled by a reference to the Khasra register.

(*d*) *Operator or holder.*—The holder or operator was the person who had the responsibility for the operation of the agricultural holding. He exercised the technical initiative and responsibility for the operation of the holding and might have the full economic responsibility as an owner or shared it with others as a tenant. When two or more persons jointly (as partners) shared the economic and technical responsibility for the operation of an agricultural holding, each was to be considered as the holder if they belonged to different households and the holding treated as a joint holding.

(*e*) *Total area of the holding.*—The total area of the holding should include all land forming part of a unit which was under the same technical responsibility and management. It should also comprise the land occupied by the farm buildings, including the house of the holder, provided such buildings were within the operated area. If the farm buildings were located outside the operated area and were covered under 'Abadi' area then such building should not be included in the area of the holding.

(*f*) *Irrigation.*—A crop receiving water from a source in addition to natural precipitation was classed as irrigated crop, irrespective of the source and number of irrigations given.

(*g*) *Net area irrigated.*—Net area irrigated was the area of land irrigated during a part or the whole year and on which one or more crops were grown during the year. In other words, it was the part of the net sown area that was irrigated.

(*h*) *Gross irrigated area.*—It was the total area under crops grown under irrigation during the year; thus an area of land which had grown two irrigated crops during the year was counted twice and so on.

Administrative Divisions of the State

1.13. Maharashtra consists of 26 districts and is divided into four administrative divisions viz., Bombay, Pune, Nagpur and Aurangabad. The Bombay division comprises seven districts viz., Bombay Suburban (Greater Bombay), Thane, Kulaba, Ratnagiri, Nashik, Dhule and Jalgaon. The first four districts are the coastal districts of the Konkan region. The Pune division consists of six districts viz., Ahmednagar, Pune, Solapur, Satara, Sangli and Kolhapur. The Nagpur division is comprised of eight districts viz., Buldhana, Akola, Amravati, Yavatmal, Wardha, Nagpur, Chandrapur and Bhandara. The first four districts are the Ex-Berar districts, while the remaining four are the Ex-Central Provinces districts of the former Madhya Pradesh State. The Aurangabad division comprises of five districts viz., Aurangabad Parbhani, Beed, Nanded and Osmanabad. These districts belonged to the former Hydrabad State.

Agro-climatic Zones

1.14. The climate and soil in Maharashtra vary widely. The annual precipitation varies from less than 500 mm. in parts of Ahmednagar district to more than 3000 mm. in Ratnagiri district. Soil also varies in structure and content. On the Western side, Maharashtra has high rising mountains and on the other the plateau with of varying depths and fertility soils forming a part of the Deccan plateau. Based on the soil and rainfall conditions, the State has been divided into nine broad agro-climatic zones. The detailed description of these zones is given in the Research Bulletin-21 of the Department of Agriculture entitled "Broad Soil Zones of Maharashta". The zones generally cover parts of two or more districts and of even tahsils. As area statistics are maintained according to administrative units only, zonewise information regarding land use, area under crops etc., is not readily available.

Contents of the Report

1.15. The report is divided into two parts, Part-I and Part-II. Part-I contains a summary of the findings of the Input Survey and is divided into seven chapters. The first chapter gives the general information of the State, as also of the Input Survey and the concepts and definitions. The chapter-II describes the organisation set up for the conduct of the survey, arrangements made for the survey and a brief account of the field work. The chapter-III gives the necessary background information relating to the results of the survey. The summary of the results of the survey is given in the chapter-IV. The chapter-V deals with the results for the six principal crops taken together on the basis of the net number of holdings and area receiving inputs. The findings of the survey relating to the multiple cropping, lands affected by salinity and water logging are given in the chapter-VI. The last chapter-VII gives the estimates, relating to live-stock, agricultural implements and machinery etc.

The Part-II of the report (given in a separate volume) gives the State-Level and Region-wise tables of results of the Input Survey.

CHAPTER II—ORGANISATION

2.1. As the Input Survey formed an integral part of the Agricultural Census, the Secretary (Agriculture) to Government, who was nominated as the Agricultural Census Commissioner, exercised the overall control of the Input Survey also in the State. He was assisted by a Technical Officer designated as the Deputy Commissioner (Agricultural Census). A small Agricultural Census Unit with the Deputy Commissioner (Agricultural Census) as the head was created in the directorate of agriculture at Pune for planning and organising the survey and for attending to all aspects of the survey. The responsibility of drafting the Report on the findings of the survey was also entrusted to that officer.

2.2. The field workwas entrusted to the Block Statistical Assistants in the panchayat samities and their work in each district was coordinated and supervised by the District Statistical Officer on the technical side and the Deputy Chief Executive Officer, Zilla Parishad on the administrative side. Supervision of the field work was also carried out by the Statistical Officers and supervisors of the Department of Agriculture.

2.3. The assistance of patwaries was taken in enumerating the households, in preparing the list of the operational holdings and for obtaining the area statistics for each selected holding. Their work was coordinated by the Tahsildar at the tahsil level and by the Resident Deputy Collector at the district level.

Arrangements for the survey

2.4. (*i*) *Pilot study.*—While carrying out the Pilot Agricultural Census in Dound tahsil of Pune District, in 1976, a Pilot Input Survey was also carried out in two villages (selected according to the sampling procedure laid down by the Government of India). On the basis of the experience gained, the schedules for the main survey and the mode of tabulation of data of the main survey were finalised. The pilot study was also helpful in the finalisation of the instructions for the field work of the Input Survey.

2.5. (*ii*) *Training of personnel.*—As the Input Survey was organised much earlier than the main Census, training of the field staff was started right from early December, 1976. To start with, the patwaries who were entrusted with the preliminary work of completely enumerating the households in each selected village, were given training in December, 1976. As there were generally only 15 to 30 patwaries involved for this purpose in each district, a training class was held at each district collectorate under the chairmanship of the Resident Deputy Collector when detailed instructions were given relating to the above work to the concerned patwaries, revenue inspectors, etc. The manner in which the schedules prescribed for the above work were to the filled in was explained with reference to a few concrete examples. In addition, a practical demonstration was conducted in a nearby village to explain the procedure for enumerating the households and the operational holdings in each selected household.

2.6. Training of Block Statistical Assistants entrusted with the actual field work of the Input Survey was organised through a two-tier programme. The District Statistical Officers of the Directorate of Economics and Statistics and the Divisional Assistant Statisticians of the Agriculture Department who were to impart training to the Block Statistical Assistants—were first given training at the divisional meeting convened in early Junuary, 1977. The Regional Deputy Directors of the Directorate of Economics and Statistics also attended the respective divisional meetings. Two local patwaries were also asked to remain present with the relevant village revenue records, to facilitate a practical demonstration of the method of canvassing the different schedules to the assembled officers.

2.7. The District Statistical Officers and the Divisional Assistant Statisticians, in turn, gave detailed instructions to the Block Statistical Assistants for 1½ days at the district level, under the chairmanship of the Deputy Chief Executive Officer of the Zilla Parishad. A Senior Agricultural Officer was deputed by the Zilla Parishad to explain to the Block Statistical Assistants the names of the different varieties of seed,

as also the different fertilizers, fertilizer mixtures, etc. generally used by the farmers in the respective districts. The manner in which the schedules were to be canvassed was explained to them in a practical way.

The entire training programme of the Input Survey was completed by early February, 1977.

2.8. (*iii*) *Schedules prescribed.*—In all 9 schedules were prescribed for collecting the data as indicated below and copies of the same distributed to the Block Statistical Assistants at the time of the training class, as also a printed copy of the booklet of instructions.

Proforma I.—List of operational holdings in the selected villages according to size class.

Proforma II.—Particulars of the twenty randomly selected holdings.

Proforma III.—Identification particulars and classification characteristics of each selected operational holding.

Proforma IV-A.—Parcelwise area under unirrigated crops and particulars of inputs used (in respect of six selected principal crops) for each selected holding.

Proforma IV-B.—Area under unirrigated crops and particulars of inputs used in respect of six selected principal crops) for each selected holding.

Proforma V-A.—Parcelwise area under irrigated crops and particulars of inputs used (in respect of six selected principal crops) for each selected holding.

Proforma V-B.—Area under irrigated crops and particulars of inputs used (in respect of six selected principal crops) for each selected holding.

Proforma VI.—Details of area under multiple cropping according to irrigated and unirrigated categories, waterlogged area and area under saline land.

Proforma VII—Information on cattle, livestock and agricultural machinery/ implements for the household as on 15th April 1977.

Field work

2.9. Arrangements were made for reviewing the progress of the Input Survey regularly and on a systematic basis by calling a meeting of Block Statistical Assistants once a month at the district level under the chairmanship of the Deputy Chief Executive Officer, Zilla Parishad when the District Statistical Officer was also present.

2.10 The preliminary work of the kharif survey was initiated in early January, 1977; but it got a setback since the patwaries were diverted to various activities relating to the implementation of 20-Point Programme and to the work of General Elections, on "priority" basis. As by then, the inputs of the rabi crops had also been applied, it was decided to collect the data in respect of both the kharif and rabi crops at one time instead of in two different stages as planned by the Government of India. This decision had a special relevance in Maharashtra State in view of the fact that the sowing season for rabi crops is very early, starting in September and the rabi harvest is mostly completed by March end.

2.11. The patwaries completed the preliminary work entrusted to them and made available the following relevant particulars for each selected village to the Block Statistical Assistant during the period February and March, 1977 :—

(*i*) list of cultivating households;

(*ii*) particulars of the operational holdings operated by each household (i.e. survey numbers and pot-hissas comprising each operational holding and particulars of their location in case of plural holdings such as—taluka, circle, village and pot-hissa) as also the operated area of each holding.

In case of plural holdings (i.e. holdings with their components distributed in more than one village located in that district), the Tahsildar arranged to get the relevant information compiled at the tahsil level and the Resident Deputy Collector of the district collectorate at the district level.

2.12. The field work got extended beyond June 1977 in several of the blocks where the posts of Block Statistical Assistant were vacant. Hence either the incumbents from other panchayat samities had to be deputed for completing the field work in such blocks or the work got done with the assistance of the local technical staff of the block. The field work was supervised by District Statistical Officers as also by the statistical officers and supervisors of the State Agriculture Department in each district. The officers and statistical assistants of the Agricultural Census Unit also inspected the field work of the Input Survey at the different stages, though obviously the extent of supervision had to be very much restricted due to the limited strength of the Census Unit.

2.13. One practical difficulty confronted in the conduct of the survey was the time taken and the effort involved in enumerating all the households where the selected village happened to be a very big one. Hence in consultation with the Agricultural Census Organisation, New Delhi, a decision was taken to divide all such big villages into wards streets or any such sub-divisions and select one such sub-division at random as the sampling unit, for the survey instead of taking the entire village.

2.14. Supervision of the field work brought out the following features or deficiencies:—

(1) Generally the selection of cultivators in each of the five size groups of holdings was properly done with the help of random numbers by the Block Statistical Assistants.

(2) In case of plural holdings, it was found that one or two parcels of land belonging to a selected holding and located outside the selected village were not included in the holding in a few cases.

(3) The information reported relating to multiple cropping was not proper in several cases. In particular the data relating to one crop irrigated, two successive crops irrigated and all the successive crops irrigated were not properly compiled for each parcel of land.

(4) The particulars of the nutrient (NPK) contents of the fertilizer mixtures used were not reported in a few cases and similarly where fertilizers, other than those included in the printed schedule were used, their names were not specified.

(5) While giving the quantity of pesticides applied by spraying, the information furnished was found to include, in some cases, the quantity of solvents used also. In a few cases, the insecticides used for seed-treatment were also included in the quantity of pesticides applied.

(6) The unit in which the quantity of organic manure was applied was not properly reported.

All such deficiencies in the field work were promptly brought to the notice of all concerned and steps taken to remove the same in the survey returns in time. In particular, the schedule relating to multiple cropping had to be got reca-vassed for some of the villages.

Output tables and estimation procedure

2.15. The output tables of the Input Survey, originally prescribed by the Government of India, were subsequently revised and the contents of the tables finalised at the All-India Workshop Conference held in Delhi in May 1978. The estimation procedures were also finalised at that conference. The estimation procedures adopted for obtaining the survey estimates are given in the Annexure-III.

Arrangements for processing of data

2.16. A Mechanical Tabulation Cell was created in the main Agricultural Census Scheme for attending to the processing of the data collected in the Input Survey and the

main Census. This cell was headed by the Deputy Director (Mechanical Tabulation) who was responsible for co-ordinating and supervising the scrutiny of returns, punching of data, computerisation of the data and obtaining the output tables. He was assisted by 2 Research Officers of whom one was fully engaged with the work of supervising the scrutiny of the Census schedules, coding of the data, transfer of data to the punch cards, updating the data of the punch cards rejected by the computer, etc. The other Research Officer assisted the Deputy Director (Mechanical Tabulation) in the preparation of the test data, carrying out validation checks, testing of the programmes, transfer of data on the magnetic tapes and final computerisation of the data.

2.17. The entire processing of the data was carried out under the technical guidance of the concerned authorities of the National Institute for Training in Industrial Engineering (NITIE), Bombay. The development of the computer programmes and subsequent operations were carried out under the day to day technical guidance and supervision of Professor S. K. Singh and Shri A. D. Raut. The Deputy Director (Mechanical Tabulation) and one Research Officer were closely associated with this work.

CHAPTER III—BACKGROUND INFORMATION RELATING TO THE RESULTS OF THE INPUT SURVEY

3.1. While perusing the results of the Input Survey, the following aspects need to be kept in view to enable a proper appreciation of the findings and also their limitations.

Efforts made to popularise the use of inputs

3.2. Before seeing the results of the Input Survey, it may be helpful to know, in brief, the steps taken in the State to popularise among the farmers the use of inputs to the crops. A vigorous drive for stepping up agricultural production, particularly of foodgrains, had been launched by the State Department of Agriculture since the past few decades with a view to achieving self-sufficiency on the agricultural front. The Agricultural Extension Machinery in the districts was strengthened and streamlined to advise the farmers on the adoption of improved agricultural practices and to take follow up action in the implementation of the various development programmes at the farmer's level. Arrangements were made for ensuring adequate and timely supplies of various inputs to the farmers by storing the same at convenient centres. The small and marginal farmers, in particular, received special attention in this regard. In this process, in view of the serious limitations in bringing additional area under the plough, a greater emphasis had been laid on increasing the production per unit area through certain special measures like intensive cultivation method (i.e. by the adoption of package of improved agricultural practices). Particular mention may be made here of the laudable efforts made by the department to popularise the cultivation of the Hybrid and High Yielding Varieties use of fertilizers and manures (including compost) and plant protection measures. In this connection, it will be pertinent to mention that those farmers cultivating Hybrid and High Yielding Varieties were particularly advised to apply relatively heavy doses of fertilizers also in order to achieve the high yielding potential of these varieties. One handicap faced by the farmers in this regard is that due to lack of irrigation facilities (with hardly 11 per cent of the gross cropped area under irrigation in the State), the hybrid varieties are required to be raised under rainfed conditions to a large extent in which situation there is a natural hesitation on the part of the farmers to apply heavy doses of fertilizers. This is attributed to the fear or risk associated generally with the dry land cultivation. A similar situation is likely to occur in the use of fertilizers for other varieties grown as dry crops. In case of irrigated crops, the normal expectation is that the cultivators would apply reasonably heavy doses of fertilizers. Similarly, the Hybrid and High Yielding Varieties, being susceptible to pests and diseases, need timely plant protection measures.

It is in this context that the results of the Input Survey assume special interest as they will indicate the nature and extent of use of the main inputs.

Limitations of the findings

3.3. An important limitation to the findings of the Input Survey is that the estimates obtained from the survey are based on a very small sample of 2 per cent of the total number of villages in the State with 20 holdings per village. Hence, the estimates will be based on sufficient number of observations and subject to reasonably low standard errors only at the State and regional levels.

3.4. It is also very likely that the number of observations falling in a particular size class relating to a characteristic may be too meagre to give any firm estimate. Moreover such estimates even at the regional level may be subject to relatively large sampling errors and hence have to be used with caution.

3.5. One of the important objectives of the Input Survey was to assess the coverage under Hybrid and High Yielding Varieties as these varieties constitute an important input in the package of practices. Moreover, the Hybrid and High Yielding Varieties are expected to be applied with the other inputs to a larger extent. Hence, the date on the use of inputs have been collected separately for the Hybrid/High Yielding Varieties and other varieties (including the local varieties). But in this process it needs to be stressed that in case of crops like paddy and wheat particularly where the seed had not been obtained from an authorised agency, the use of seed of the High Yielding

Varieties might not have been correctly reported or classified. This may partly account for the difference, if any, between the estimated coverage under High Yielding Varieties of paddy/wheat on the basis of the Input Survey date and the official statistics.

3.6. Again in case of pesticides while reporting the quantity of pesticides applied, it appears that in some cases, the cultivators had included the quantity of solvents used also. As the area benefited by this improved agricultural practice is itself extremely small, the rate of application in case of pesticides as estimated from the survey has not been presented in the report on account of the above reason.

Availability of date for processing

3.7. Although the survey was carried out in 810 villages, the date of only 807 villages were utilised for computing estimates relating to the use of inputs. Estimates given for multiple cropping are based on the date of 795 villages as the date of the remaining 15 villages were found to be quite incomplete and defective.

Classification of fertilizer mixtures

3.8. Though verious types of fertilizer mixtures (with different proportions of N. P. and K.) were actually used by the farmers, the estimates have been presented regarding the extent of use of "fertilizer mixtures" as a whole. Similary the estimates in regard to the straight fertilizers (namely, sulphate urea and superphosphate) have been given in terms of the products themselves (and not in terms of the nutrients N & P).

Estimated total number of holdings

3.9. At the Workshop Conference held at New Delhi on the 30th and 31st May 1978, it was decided that the total number of operational holdings* (viz., 57.58 lakh) and the area operated (viz., 209.89 lakh ha.) as obtained from the complete enumeration carried out under the main Census should be given in the output tables. Again the total number of operational holdings and the operated area were to be estimated from the Input Survey sample for being used as the base for computing certain percentages to be presented in the output tables. Hence the number of operational holdings was estimated for each item (i.e. multiple cropping, inputs used for irrigated and unirrigated crop separately—live stock and agricultural machinery) on the basis of the holdingwise data available for each item. However, the date for certain items were not available for a few holdings/villages which were different for different items; hence the estimates of the number of operational holdings and operated area were not the same for the different items as can be seen from the table below;

Size class of holdings	†Total number of operational holdings (in lakhs) in the State based on				
	Complete enumeration	Multiple* cropping data	Data of inputs used*		Data of live-* stock and agricultural implements, etc.
			Irrigated	Unirrigated	
1	2	3	4	5	6
Below 1 ha.	15.04	13.76	13.87	13.94	13.83
1 to 2 ha.	11.41	10.49	10.65	10.70	10.65
2 to 4 ha.	13.38	12.39	12.53	12.54	12.52
4 to 10 ha.	13.51	12.46	12.69	12.70	12.68
10 ha. and above	4.24	3.76	3.82	3.82	3.82
All classes together ..	57.58	52.86	53.56	53.70	53.50

Size class of holdings	Total operated area (in lakh ha.) in the State				
1	2	3	4	5	6
Below 1 ha.	7.05	6.49	6.45	6.49	6.44
1 to 2 ha.	16.74	15.74	15.67	15.75	15.65
2 to 4 ha.	38.30	35.45	35.86	35.87	35.85
4 to 10 ha.	83.30	76.21	77.72	77.66	77.56
10 ha. and above	64.50	59.17	60.01	60.12	60.12
All classes together ..	209.89	192.98	195.71	195.71	195.62

*Excluding institutional holdings.

†This does not include the institutional holdings.

Instead of mentioning these verying estimates, at the State level, one uniform figure of 54 lakh holdings and of operated area 196 lakh ha. (obtained for most of the items) have been quoted as an approximation while referring to the State level estimates, for convenience and for avoiding confusion.

3.10. Size class-wise estimates of the number of holdings and operated area are given in the above table for reference as they formed a base for computing the State level percentages in the respective size classes relating to each of the items given in the report.

CHAPTER IV—RESULTS OF THE SURVEY

PRESENTATION OF THE RESULTS

State and regional estimates

4.1. For reasons already stated under paragraph 3.3 of Chapter III, the estimates derived from the Input Survey data are presented for only the State and the regions. For this purpose, the State has been divided into six regions the very regions adopted by the National Sample Survey Organisation, Government of India, as decided at the all-India Workshop Conference held in May 1978. The names of districts comprising each region are stated below :

Region	Districts comprising the region
(*i*) Region I (Coastal) ..	Four districts of Thane, Greater Bombay, Kulaba and Ratnagiri (i.e. the Konkan region)
(*ii*) Region II (Inland Western)	Six districts of Ahmednagar Pune, Solapur, Satara, Sangli and Kolhapur (i.e. all the districts of Pune Revenue Division)
(*iii*) Region III (Inland Northern)	Three districts of Jalgaon, Dhule and Nashik.
(*iv*) Region IV (Inland Central)	Five districts of Aurangabad Beed, Parbhani, Nanded and Osmanabad (i.e. all the districts of Aurangabad Revenue Division)
(*v*) Region V (Inland Eastern)	Six districts of Nagpur, Wardha, Amravati, Buldhana, Akola and Yavatmal.
(*vi*) Region VI (Eastern) ..	Two districts of Bhandara and Chandrapur.

Note.—A map showing the boundaries of the six regions in the State is given in Appendix-II.

Important regions growing each crop

4.2. The major crop growing regions are given below:

Crop	Major regions growing the crop	Total area under the crop covered by the regions.
1	2	3
Paddy	I, II, IV and VI	88 *per cent*
Bajri	II, III and IV	99 *per cent*
Kharif jowar	II, III, IV and V	100 *per cent*
Cotton	II, III, IV and V	100 *per cent*
Rabi jowar	II and IV	88 *per cent*
Wheat	II, III, IV and V	92 *per cent*

Estimates in terms of percentages

4.3. In accordance with the decision conveyed by the Government of India, the Input Survey estimates in the case of number of holdings growing the crop and receiving the inputs and the area under crop benefited by inputs are given in terms of percentages. However, the absolute figures of the number of holdings and area used for computing the percentages are also given. The fact that these percentages refer to the relative values of the characteristics within the respective size groups needs to be kept in view.

4.4. The Input Survey results quoted in the report are all estimates though not so specified while discussing the results.

Estimates presented on crop oriented basis

4.5. In order to present an integrated picture of a crop grown in different regions, the estimates have been presented on a crop-oriented basis i.e. the regional estimates are given crop by crop. Here again, the estimates are discussed in the report only in case of the major regions growing a crop and that too in respect of those inputs which

had been used by an appreciable percentage of farmers and to a substantial extent. For this purpose, certain minimum levels have been adopted for presenting the size class-wise estimates regarding the use of inputs. Such estimates have been furnished for those cases where the number of holdings benefited was at least 0.30 lakh in case of irrigated crop and 0.60 lakh in case of unirrigated crop. The corresponding minimum levels prescribed for the area benefited are 0.30 lakh ha. for hybrid varieties and irrigated other varieties and 0.60 lakh ha. for unirrigated other varieties. At the regional level, the corresponding levels adopted are 0.20 lakh and 0.40 lakh holdings; 0.20 lakh ha. and 0.40 lakh ha. respectively.

Number of "crop-growers" and "crop-holdings" used synonymously

4.6. One useful information obtained from the Input Survey data relates to the number of farmers growing each of the principal crops (separately for the irrigated and unirrigated crop). Each grower is identified with his holding. Hence the two expressions "number of farmers" and "number of holdings" have been used synonymously.

Non-additivity of the number of irrigated and unirrigated holdings

4.7. As the data were collected separately for the irrigated and unirrigated crop, the number of holdings growing each of the two categories of the crop was also separately estimated. It is likely, however, that the same holding might have grown both the irrigated and unirrigated crop in some cases. Hence, the estimated numbers of irrigated and unirrigated holdings may not add up to give the total number of holdings actually growing the crop.

Rate of application of inputs

4.8. It would have been in the fitness of things to present the estimates of rates of application of the different inputs immediately after the comments relating to the extent of benefit due to each input. But in order to give a comparative picture of the rates of application for different crops at one place, the results of the survey in this regard are discussed at a subsequent stage.

Discussion of Results

Consumption of Fertilizers and Organic manures
Present position

4.9. At present, the fertilizer statistics are published by the Fertilizer Association of India annually giving fertilizer production and consumption statistics for the different States. The consumption statistics are furnished by the concerned State authorities like the Directorate of Agriculture in Maharashtra State. In Maharashtra, these statistics are compiled by the Zilla Parishads in the districts on the basis of the monthly returns submitted by the authorised fertilizer dealers. The figures are finally published in terms of the basic nutrients (i.e. N, P and K.).

4.10. The above statistics suffer from the following lacunae :

(*i*) They do not give crop-wise split up of the consumption of fertilizers, being aggregates for a district ;

(*ii*) They are not available according to size-classes of holdings of the farmers purchasing the fertilizers. Such statistics will be very much helpful for planning purposes.

4.11. Though the above deficiencies were well-known, it has not been possible—due to one reason or the other—to take steps to obtain reliable statistics according to the details required. It is in this context that steps were taken under the Agricultural Census Programme, 1976-77 to collect the data, on a reliable and scientific footing, regarding the use of fertilizers and manures, in case of six selected principal crops of the State, through the Input Survey. The findings of the same are summarised in the following paragraphs.

State level findings

4.12. The table below gives the estimated quantity of each of the fertilizers (covered by the Input Survey) actually applied to each of the six principal crops in 1976-77.

TABLE No. 4.1

Quantity in '000' metric tons

Input	Estimated quantity of chemical fertilizers applied to													
	Paddy		Bajri		Kharif Jowar		Cotton		Rabi Jowar		Wheat		All crops together	
	Quantity	%	Quantity	%	Quantity	%	Quantity	%	Quantity	%	Quantity	%	Quantity	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ammonium sulphate ..	7	49	1	7	1	6	2	12	1	9	3	17	15	100
	(8)		(5)		(1)		(3)		(6)		(2)		(4)	
Superphosphate	3	13	2	9	2	10	4	21	1	7	8	41	20	100
	(3)		(9)		(2)		(6)		(6)		(8)		(5)	
Urea	36	19	11	6	54	28	32	17	5	3	50	27	189	100
	(42)		(50)		(49)		(51)		(38)		(49)		(47)	
Fertilizer mixtures	40	23	9	5	52	30	25	14	8	4	42	24	176	100
	(47)		(36)		(48)		(40)		(50)		(41)		(44)	
Total Chemical fertilizers	86	22	23	6	109	27	63	16	16	4	103	26	399	100
Per cent	(100)		(100)		(100)		(100)		(100)		(100)		(100)	

Note : (*i*) Figures within the brackets are the vertical percentages.

4.12-A. The estimated total quantity of fertilizers applied to the six principal crops was about 4 lakh tonnes, of which urea and fertilizer mixtures accounted for about 91 per cent, their individual shares being practically equal (i.e. 1.9 and 1.8 lakh tonnes respectively). Evidently, the remaining two fertilizers viz., ammonium sulphate and superphosphate used formed a very small proportion of the total quantity (i.e. less than 5 per cent each). The cropwise uptake of the fertilizers also followed the same pattern with urea and fertilizer mixtures forming together about (or nearly) 90 per cent of the total quantity of fertilizers applied to a crop.

Among the individual crops paddy, kharif jowar and wheat got the higher shares of about 21 to 27 per cent of the total quantity of fertilizers. Of the remaining crops, cotton received 16 per cent while bajri and rabi jowar received 6 per cent share or less each.

The split-up of the fertilizer consumption according to the individual crops reveals that in case of urea, over one-fourth of its total quantity used was applied to each of the two crops kharif jowar and wheat, the next two crops of importance being paddy and cotton. In case of fertilizer mixtures also similar feature was noticed, but with kharif jowar and wheat receiving about one-fourth or more of the quantity of the fertilizer, with paddy and cotton as the next two crops of importance. Bajri and rabi jowar received scant attention in the application of the above fertilizers.

As regards ammonium sulphate, practically one-half of the quantity of the fertilizer was applied to paddy crop alone and one-sixth to wheat while over 40 per cent of the total quantity of superphosphate was applied to wheat alone and over 20 per cent to cotton.

(1) A diagrammatic representation of the proportionate consumption of chemical fertilizers by each crop is given in the Appendix-III.

(2) Similar diagram showing the proportionate quantity of each fertilizer applied to the individual crops is given in the Appendix-IV.

Fertilizer consumption relating to irrigated and unirrigated crops

4.13. An examination of the figures of fertilizer consumption according to irrigated and unirrigated crops given in Table No. 1 in Appendix-I reveals certain interesting features. Thus even though the total irrigated area under the six principal crops was only 11 per cent, yet it received a high share of nearly 40 per cent of the total quantity of 4 lakh tonnes of the fertilizers. Thus the irrigated crops received comparatively greater attention in the use of fertilizers than the dry crops. Out of 1.54 lakh tonnes of fertilizers applied to the irrigated crops, wheat got the largest share of 62 per cent and paddy 17 per cent.

Out of 2.45 lakh tonnes applied to the unirrigated crops, kharif jowar used up about 40 per cent, paddy nearly 25 per cent and cotton over 20 per cent.

A significant and interesting feature noticed is that in case of the kharif crops, major part of the fertilizers was applied to the rainfed crops while in the case of the rabi crops, the irrigated crops got the higher benefit. Thus in case of wheat particularly, the amount of fertilizers applied to the irrigated crops was 16 times that applied to the unirrigated crop, while irrigated rabi jowar received a higher quantity of fertilizers than the dry crop.

Size class-wise consumption of chemical fertilizers

4.14. The size class-wise particulars of the estimates of fertilizer consumption are given in the table No. 2 in the Appendix I in respect of the major fertilizers viz., urea and fertilizer mixtures.

In case of both the inputs, an important feature noticed is that the major part of the fertilizers was applied to the different crops (both irrigated and unirrigated) in the last three size groups, except paddy. In fact, an upward trend in the consumption of fertilizers was observed with the increase in the size of the holdings upto 10 ha. in case of bajri, kharif jowar and wheat in case of both the inputs and also in case of fertilizer mixtures applied to irrigated paddy. The maximum consumption of each of the fertilizers was generally observed in the fourth size class.

An interesting feature observed is that a major part of each of the two fertilizers used for the irrigated crops was applied to wheat practically in each size class.

(ii) Consumption of organic manures

4.15. Between the two orgnaic manures, farm yard manure was definitely the more important input as the quantity of that manure used formed over three-fourths of that of the total organic manures used viz., 2.75 lakh tonnes as can be seen from the table below.

TABLE No. 4.2

(Quantity in '000' metric tonnes)

Input	Estimated quantity of organic manures applied to													
	Paddy		Bajri		Kharif jowar		cotton		Rabi jowar		Wheat		All crops	
	Quantity	%	Quantity	%	Quantity	%	Quantity	%	Quantity	%	Quantity	%	Quantity	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Farm yard manure ..	55	27	26	12	45	22	48	23	22	11	11	6	207	100
%	(75)		(100)		(70)		(83)		(59)		(69)		(76)	
Compost	18	26	N	....	19	28	11	16	15	22	5	8	68	100
%	(25)		....		(30)		(17)		(41)		(31)		(24)	....
Total organic manures ..	73	27	26	9	64	23	58	21	37	14	17	6	275	100
% ..	(100)		(100)		(100)		(100)		(100)		(100)		(100)	

Note.—Figures within the brackets are the vertical percentages.
N = Negligible.

Farm yard manure was mainly applied to paddy, kharif jowar and cotton, the proportionate quantity of the manure applied being 27 per cent, 22 per cent and 23 per cent respectively. The diagram given in the Appendix-V shows the proportionate use of the organic manures for different crops.

Quantity of organic manures applied to irrigated and dry crops

4.16. The estimates of quantity of inputs applied to irrigated and unirrigated crops are given in the Table No. 3 in the Appendix-I. An examination of the consumption statistics according to irrigated and unirrigated crops reveals that taking all the six crops together, the total quantity of organic manures applied to the unirrigated crop was nearly 80 per cent of the total quantity used. As the total unirrigated area under the six crops was 89 per cent of the total area under these crops, it is seen that the quantities of organic manures applied to the irrigated and unirrigated crops were nearly in proportion to the areas under the two categories. In fact, the two proportions were closer in the use of farm yard manure, as the unirrigated crops received about 84 per cent of the total quantity of the manure.

Size class-wise consumption of farm yard manure

4.17. The size class-wise consumption of farm yard manure by the six principal crops is presented in the Table No. 4 in the Appendix-I, as this is the major organic manure used. It is seen that there was an upward trend in the total quantity of the manure applied to the six crops (taken together), with the increase in the size of holdings upto 10 ha. both in respect of irrigated and unirrigated crops. It will be seen from the last two columns of the table that the crop-wise consumption of the manure among the different size classes of holdings followed the same pattern as in the case of fertilizers with the exception of the unirrigated paddy crop.

Regional estimates of consumption of fertilizers and organic manures

4.18. The regional level estimates of consumption of different fertilizers are given in the Table No. 5 in Appendix-I. It is seen that out of 4.0 lakh tonnes (of all chemical fertilizers together consumed in the State), the uptake was 25 per cent, 20 per cent and 31 per cent in the Regions-II, III, and V respectively. Among the individual fertilizers, the quantity of urea used was appreciable in the Regions-II, III and V together accounting for nearly 60 per cent of the total quantity of the input. The uptake of F.Y.M. was appreciable in the Regions-II, IV and V which together used up nearly three-fourths of the total quantity of manure.

Summary of Findings Relating to Crop-wise use of Inputs

The Input Survey findings relating to the crop-wise use of the inputs are summarised in the following paragraphs.

CROP : PADDY

Introduction

4.19. Paddy is grown to the extent of 14.52 lakh ha.* in the State with 27 per cent of that area under irrigation. The crop is concentrated to a large extent in the three districts of the Konkan region and Chandrapur, Bhandara districts of Region-VI. As the irrigated crop is mostly grow in Region-VI in the kharif season, the estimates given in the report for the irrigated crop will be comparable with those given for the unirrigated crop for this region only.

4.20. It is clarified that the estimates given in the report for paddy are inclusive of those for summer crop also. Summer paddy, which is raised entirely as an irrigated crop, is mainly grown in the Region I and VI only. According to official statistics, the total area under the summer crop was extremely small being hardly 27,000 ha. in the State.

*The figures quoted in this paragraph are based on the official statistics.

4.21. The findings of the survey in respect of the paddy crop are summarised in the following paragraphs, for the State as a whole and then for the regions.

STATE LEVEL FINDINGS

(a) Number of holdings* growing the crop

4.22. Out of the estimated total number of about 54** lakh holdings in the State, 19 lakh holdings (34.5%) grew the rainfed crop while the irrigated crop was grown in 4.44 lakh holdings (or 8.3%).

The distribution of the holdings according to size classes is given below :—

TABLE NO. 4.3

Size class of holdings	Estimated number of holdings (in lakhs) growing paddy			
	Irrigated		Unirrigated	
	Number	%	Number	%
1	2	3	4	5
Below 1 ha.	1.25	9	6.74	48
1 to 2 ha.	0.98	9	3.28	31
2 to 4 ha.	0.89	7	3.79	30
4 to 10 ha.	0.99	8	3.89	31
10 ha. and above	0.33	9	1.30	34
All size classes ..	4.44	8	19.00	35

Note.—Percentages in cols. 3 and 5 are based on the total estimated number of operational holdings in the respective size classes, given in Part-II.

(ii) Individual figures may not add up to the corresponding total due to rounding

It will be of interest to note that there was a preponderance of very small (i.e. marginal) holdings growing the paddy crop. Thus, out of 19 lakh holdings growing the rainfed crop and 4.4 lakh holdings growing the irrigated crop, 36 per cent and 28 per cent respectively were marginal holdings of size less than 1 ha. Further about 50 per cent of the paddy holdings were of area less than 2 ha. (in case of both the categories). In fact, only about 7 per cent of the total number of holdings (in each case) had area over 10 ha.

Again, within the individual size classes, while nearly half the number of farmers with holdings of size less than 1 ha. grew rainfed paddy, nearly one-third of those with bigger holdings grew that crop.

(b) Average area under paddy per holding

4.23. The estimated average area under the crop per holding is given below :—

TABLE NO. 4.4

Size class of holdings	Average area under paddy per holding	
	Irrigated	Unirrigated
1	2	3
	ha.	ha.
Below 1 ha.	0.33	0.32
1 to 2 ha.	0.56	0.64
2 to 4 ha.	0.81	0.83
4 to 10 ha.	1.16	1.02
10 ha. and above	1.51	1.33
All size classes ..	0 75	0.69

*Hereafter, the " number of holdings/farmers " will refer to those growing the crop.
**Please see clarification given in Paragraph No. 3.9. of Chapter-III.

The average area under rainfed paddy per holding varied from 0.3 ha. to 1.3 ha., while the corresponding average for the irrigated crop was slightly higher in the bigger holdings (of size exceeding 4 ha.). This was the only crop, for which the average irrigated area per holding was higher.

(c) Number of holdings receiving inputs

4.24. The number of holdings receiving the different inputs is given below :—

TABLE NO. 4.5

Input	Number of holdings (in lakhs) benefited			
	Irrigated		Unirrigated	
	No.	%	No.	%
1	2	3	4	5
Ammonium sulphate	0.24	5	1.30	7
Superphosphate	0.11	3	0.17	1
Urea	2.18	49	3.67	19
Fertilizer mixtures	1.23	28	4.03	21
Farm yard manure	2.46	55	11.05	58
Compost	0.51	12	1.01	5
Pesticides—	0.11	2	1.52	8
(*i*) Dusting (*ii*) Spraying	0.16	4	0.96	5

Note.—The percentages are based on the number of holdings growing the irrigated/unirrigated crop. given in table No. 4.3,

Urea, fertilizer mixtures and farm yard manure were undoubtedly the major inputs, while ammonium sulphate, compost and pesticides were the minor inputs.

(d) Use of inputs according to size classes of holdings

4.25. (*i*) *Major inputs.*—The table below serves to bring out whether the number of farmers applying the major inputs depended upon the size of their holdings.

TABLE NO. 4.6

Size class of holdings	Number of paddy holdings (in lakhs) receiving input											
	Urea				Fertilizer mixtures				Farm yard manure			
	I		U.I.		I		U.I.		I		U.I.	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
1	2	3	4	5	6	7	8	9	10	11	12	13
Below 1 ha. ..	0.60	48	1.10	16	0.22	17	1.91	28	0.73	58	4.70	70
1 to 2 ha. ..	0.53	55	0.63	19	0.29	29	0.60	18	0.51	52	1.82	56
2 to 4 ha. ..	0.38	43	0.82	22	0.28	31	0.73	19	0.49	55	2.14	56
4 to 10 ha. ..	0.52	52	0.81	21	0.34	34	0.55	14	0.55	55	1.87	48
10 ha. and above ..	0.14	43	0.31	24	0.11	33	0.24	19	0.18	56	0.52	40
All size classes ..	2.18	49	3.67	19	1.23	28	4.03	21	2.46	55	11.05	58

Note.— (*i*) The percentages are based on the number of holdings growing the irrigated/unirrigated crop. given in the table No. 4.3
(*ii*) Individual figures may not add up to the corresponding total due to rounding.

Although the percentage of holdings benefited due to the inputs in the different size classes did not show much variation, yet it is clear that in case of the rainfed crop, the marginal holdings (i.e. of size less than 1 ha.) were benefited on a much larger scale than the holdings in the remaining size groups. In particular, the holdings in the last size group were the least benefited numerically in case of each input.

In case of the irrigated crop, higher number of paddy holdings in the first four size groups were benefited by each of the inputs.

4.26. (*ii*) *Minor inputs.*—The number of farmers with holdings of different sizes applying the minor inputs to the paddy crop is given below :—

TABLE NO. 4.7

Size class of holdings	Number of holdings (in lakhs) receiving input									
	Ammonium sulphate		Compost				Pesticides by			
	U.I.		I		U.I.		Dusting U.I.		Spraying U.I.	
	No.	%	No.	%	No.	%	No.	%	No.	%
1	2	3	4	5	6	7	8	9	10	11
Below 1 ha. ..	0.48	7	0.12	10	0.39	6	0.70	10	0.47	7
1 to 2 ha. ..	0.29	9	0.14	15	0.20	6	0.33	10	0.17	5
2 to 4 ha. ..	0.33	9	0.10	11	0.23	6	0.26	7	0.20	5
4 to 10 ha. ..	0.16	4	0.12	12	0.14	4	0.18	5	0.08	2
10 ha. and above ..	0.04	3	0.03	9	0.04	3	0.05	4	0.04	3
All size classes ..	1.30	7	0.51	12	1.01	5	1.52	8	0.96	5

Note.—The footnotes (*i*) and (*ii*) below Table 4.6 are applicable here also.

It is clear that though the percentage of holdings receiving the inputs was quite low in the different size groups, yet comparatively more number of the marginal farmers generally applied the inputs than the farmers with bigger holdings. In particular, the application of pesticides was comparatively on a much higher scale in the first size class.

(e) Extent of cultivation of High Yielding Varieties

4.27. The extent of cultivation under H.Y.V. a nd other varieties of paddy is summarised in the table below :—

TABLE NO. 4.8

Size class of holding	Area under paddy (in lakh ha.)											
	H.Y.V.				Others				Total			
	I		U.I.		I		U.I.		I		U.I.	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
1	2	3	4	5	6	7	8	9	10	11	12	13
Below 1 ha. ..	0.08	20	0.65	30	0.33	80	1.53	70	0.41	100	2.18	100
1 to 2 ha. ..	0.07	13	0.41	19	0.48	87	1.71	81	0.55	100	2.12	100
2 to 4 ha. ..	0.09	12	0.51	16	0.63	88	2.63	84	0.72	100	3.14	100
4 to 10 ha. ..	0.22	19	0.41	10	0.93	81	3.58	90	1.16	100	3.98	100
10 ha. and above ..	0.13	26	0.19	11	0.37	74	1.53	89	0.49	100	1.72	100
All size classes ..	0.59	18	2.16	16	2.74	82	10.98	84	3.33	100	13.14	100

Note.— (*i*) The percentages are based on the corresponding total irrigated/unirrigated area given in col. 10 & 12.
(*ii*) Individual figures may not add up to the corresponding total due to rounding.

The Input Survey data shows that the estimated coverage under H.Y.V. was 2.75 lakh ha. (or nearly 17 per cent). It is seen to be much less than the official estimate of 8.39 lakh ha. based on the achievement reports of Zilla Parishad. This may be partly due to the reasons mentioned in paragraph 3.3 of Chapter-III. Out of 3.33 lakh ha under irrigated paddy, nearly one-fifth was under H.Y.V. One-sixth of the rainfed paddy area was under H.Y.V.

The percentage area under rainfed crop devoted to the cultivation of High Yielding Varieties within the individual size classes showed a downward trend from 30 to 10 per cent, with the increase in the size of holdings indicating thereby that the smaller holders diverted proportionately more area under the crop to the cultivation of the High Yielding Varieties.

The distribution of the total area under other varieties over the different size classes of holdings shows that over 50 per cent of (both irrigated and rainfed) crop was grown in the holdings of size 2 to 10 ha.

f) Re lative extent of use of inputs

4.28. The relative importance of the different inputs judged in terms of the extent of their application to the paddy crop is brought out by the table below:—

TABLE NO. 4.9

Input	Area benefited (in lakh ha.)											
	H.Y.V.				Other varieties				Total			
	I		U.I.		I		U.I.		I		U.I.	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
1	2	3	4	5	6	7	8	9	10	11	12	13
Ammonium Sulphate..	0.04	8	0.28	13	0.04	1	0.42	4	0.08	3	0.70	5
Superphosphate ..	0.09	15	0.04	2	0.07	3	0.12	1	0.16	5	0.16	1
Urea ..	0.40	68	0.71	33	0.85	31	1.85	17	1.26	38	2.57	20
Ferti. mixtures ..	0.29	49	0.82	38	0.76	28	1.61	15	1.05	32	2.43	19
Farm yard manure ..	0.32	54	1.17	54	1.87	68	5.44	50	2.19	66	6.61	50
Compost ..	0.05	8	0.06	3	0.43	16	0.88	8	0.48	15	0.94	7
Pesticides—												
(*i*) Dusting ..	0.07	11	0.51	24	0.03	1	0.73	7	0.10	3	1.24	10
(*ii*) Spraying ..	0.09	15	0.27	13	0.07	3	0.18	2	0.16	5	0.45	3

Note.—The percentages are based on the area under the respective categories of the crop given in Table No. 4.8.

The major inputs are seen to be urea, fertilizer mixtures and farm yard manure having been applied to the crop on a relatively appreciable scale as compared with the remaining inputs. Compost and pesticides (by dusting) were also applied to the crop though to a lower extent.

A striking feature noticed is that though the other varieties received the inputs to a much larger extent, yet the percentage area benefited by the H.Y.V. was quite high. This indicates that the recommendation of the Department of Agriculture to apply the various inputs to these varieties so as to exploit their high yielding potential, had been implemented by the farmers growing these varieties.

Further details of the use of the inputs are discussed below.

(g) Extent of use of inputs according to size classes of holdings

4.29. (*i*) *Urea and fertilizer mixtures.*—The table below gives the size class-wise particulars of the extent of use of urea and fertilizer mixtures.

TABLE NO. 4.10

Size class of holdings	Area under paddy (in lakh ha.) treated with urea							
	H.Y.V.				Others			
	I		U.I.		I		U.I.	
	Area	%	Area	%	Area	%	Area	%
1	2	3	4	5	6	7	8	9
Below 1 ha. ..	0.06	67	0.18	28	0.10	30	0.16	11
1 to 2 ha. ..	0.05	76	0.16	39	0.14	29	0.24	14
2 to 4 ha. ..	0.05	59	0.20	40	0.20	32	0.47	18
4 to 10 ha. ..	0.14	64	0.12	30	0.30	32	0.67	19
10 ha. and above ..	0.10	79	0.05	26	0.11	31	0.31	20
All size classes ..	0.40	68	0.71	33	0.85	31	1.85	17

TABLE No. 4.10—*contd.*

Size class of holdings	Area under paddy (in lakh ha.) treated with fertilizer mixtures							
	H.Y.V.				Others			
	I		U.I.		I		U.I.	
	Area	%	Area	%	Area	%	Area	%
1	10	11	12	13	14	15	16	17
Below 1 ha. ..	0.03	41	0.36	56	0.06	20	0.16	11
1 to 2 ha. ..	0.03	42	0.07	17	0.12	25	0.21	12
2 to 4 ha. ..	0.05	57	0.16	31	0.16	25	0.48	18
4 to 10 ha. ..	0.11	51	0.15	38	0.29	32	0.51	14
10 ha. and above ..	0.07	52	0.08	43	0.13	35	0.25	17
All size classes ..	0.29	49	0.82	38	0.76	28	1.61	15

Note.—The percentages are based on the area under the individual categories of the crop in the respective size classes.

It is seen that a higher percentage area under H.Y.V. and irrigated other varieties of paddy area at the different size classes was treated with each fertilizer.

On the other hand, despite the lower percentage area covered by the above two inputs in case of the other varieties (rainfed), the (absolute) area benefited was appreciably more in the third and fourth size groups.

4.30. (*ii*) *Organic manures.*—The Input Survey has shown that the farmers applied farm yard manure generally to at least half the area under paddy (under the different categories) in the respective size classes of holdings as can be seen from the table below:

TABLE No. 4.11

Size class of holdings	Area under paddy (in lakh ha.) treated with.											
	F.Y.M.								Compost			
	H.Y.V.				Others				Others			
	I		U.I.		I		U.I.		I		U.I.	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
1	2	3	4	5	6	7	8	9	10	11	12	13
Below 1 ha. ..	0.04	45	0.39	60	0.21	66	0.89	58	0.02	6	0.14	9
1 to 2 ha. ..	0.05	66	0.21	51	0.30	63	0.87	51	0.09	19	0.17	10
2 to 4 ha. ..	0.04	45	0.30	58	0.47	74	1.33	51	0.07	11	0.29	11
4 to 10 ha. ..	0.13	57	0.19	48	0.64	69	1.68	47	0.19	20	0.21	6
10 ha. and above ..	0.07	56	0.08	43	0.24	65	0.68	44	0.06	17	0.08	5
All size classes ..	0.32	54	1.17	54	1.87	68	5.44	50	0.43	16	0.88	8

Note.— (*i*) The percentages are based on the area under the individual categories of the crop in the respective size classes.
(*ii*) Individual figures may not add up to the corresponding total due to rounding.

It is clearly seen that the absolute area benefited due to F.Y.M. was very much larger in case of the other varieties (rainfed) than that under H.Y.V. Further, the crop (under different categories) was manured to a larger extent generally, in the third and fourth size groups.

As the area under the rainfed crop was concentrated in the 3rd and 4th size groups, the extent of benefit due to the above inputs was also higher in these size groups.

Pesticides

4.31. Before perusing the results of the Input Survey, it may be pertinent to mention that to avoid damage to or loss of crop, the farmers are advised to adopt plant protection measures even in the form of a prophylactic measure. In case of paddy, apart from the action taken by the farmers, the efforts made by the Department of Agriculture are directed mainly towards the endemic areas where the incidence of pests and diseases is generally expected every year. In fact, in all such areas, the work is organised on a " campaign " basis applying the Pest Act. Since the endemic areas are limited, the extent of use of pesticides is expected to be of a small order at the State level. The Input Survey results presented at the State and even regional levels may not, therefore, bring out the concerted efforts made by the Department of Agriculture or even by the farmers on their own in such limited tracts except in those regions where the pests and diseases occur more extensively.

4.32. As the application of pesticides to the paddy crop was done to a larger extent by dusting, the findings of the Input Survey are summarised below for this item only, though the estimates in respect of the extent of benefit by spraying are given in the Part-II.

TABLE NO. 4.12

Size class of holdings	Area under rainfed paddy (in lakh ha.) treated with pesticides (by dusting)			
	H.Y.V.		Others	
	Area	%	Area	%
1	2	3	4	5
Below 1 ha.	0.14	22	0.13	8
1 to 2 ha.	0.14	34	0.13	8
2 to 4 ha.	0.09	19	0.19	7
4 to 10 ha.	0.11	28	0.19	5
10 ha. and above	0.02	13	0.10	6
All size classes ..	0.51	24	0.73	7

Note.— (*i*) The percentages are based on the area under the individual categories of the crop in the respective size classes.
(*ii*) Individual figures may not add up to the corresponding total due to rounding.

It is seen that a higher percentage of area under H.Y.V. (rainfed) was treated with pesticides in the first four size groups. In case of the rainfed other varieties also, the (absolute) area benefited was more in the first four size groups.

REGIONWISE FINDINGS

4.33. The regionwise findings are summarised below separately in terms of the number of holdings receiving the inputs under topic (A) and the area benefited under topic (B).

(A) Number of Holding receiving Inputs

(a) Number of paddy growers in each region

4.34. The regionwise estimated number of paddy growers is given in the table below:—

Table No. 4.13

Region	Estimated number of paddy growers (in lakhs)			
	Irrigated		Unirrigated	
	Number	%	Number	%
1	2	3	4	5
I	0.41	8	5.28	99
II	1.40	9	5.51	33
III	0.38	7	1.03	19
IV	0.34	2	2.60	23
V	0.22	2	1.90	18
VI	1.69	42	2.69	67
State Total	4.44	8	19.01	35

Note.— (*i*) The percentages in cols. 3 and 5 are based on the total estimated number of operational holdings in the respective regions given in Part-II.
(*ii*) Individual figures may not add up to the corresponding total due to rounding.

It is evident that practically all the farmers in Region-I were growing rainfed paddy. while the proportion of such farmers in the other major Region-VI was only two-thirds, In the Regions-II and IV, one-third and nearly one-fourth of the farmers respectively undertook paddy cultivation.

The distribution of the total number of farmers over the different regions shows that out of the 19 lakh holdings growing the rainfed paddy in the State, nearly 11 lakh (or nearly 60 per cent) were from the Regions-I and II (together) while about one-seventh of the growers were located in each of the Regions-IV and VI.

(b) Number of paddy holdings according to size classes

4.35. The table below gives the distribution of the paddy growing holdings in the different size groups:—

Table No. 4.14

Size class of holdings	Estimated number of paddy growers (in lakhs)								
	Region-I		Region-II		Region-III	Region-IV	Region-V	Region-VI	
	I.	U.I.	I.	U.I.	I.	U.I.	U.I.	I.	U.I.
1	2	3	4	5	6	7	8	9	10
Below 1 ha. ..	0.25	2.70	0.38	2.62	0.03	0.19	0.12	0.54	0.97
	(9)	(99)	(6)	(44)	(3)	(14)	(9)	(37)	(65)
1 to 2 ha. ..	0.03	0.95	0.37	1.02	0.10	0.31	0.21	0.40	0.66
	(4)	(99)	(12)	(33)	(9)	(15)	(8)	(42)	(68)
2 to 4 ha. ..	0.05	0.82	0.29	0.92	0.07	0.63	0.58	0.38	0.58
	(6)	(98)	(9)	(27)	(5)	(21)	(19)	(45)	(69)
4 to 10 ha. ..	0.04	0.69	0.25	0.71	0.17	1.03	0.66	0.30	0.41
	(5)	(99)	(8)	(23)	(11)	(27)	(22)	(49)	(66)
10 ha. and above ..	0.03	0.12	0.11	0.23	0.03	0.44	0.33	0.06	0.07
	(23)	(99)	(10)	(22)	(8)	(35)	(36)	(56)	(67)
All size classes ..	0.41	5.28	1.40	5.51	0.38	2.60	1.90	1.69	2.69
	(8)	(99)	(9)	(33)	(7)	(23)	(18)	(42)	(67)

Note.—(*i*) The percentages are based on the total estimated number of operational holdings in the respective size classes in each region, given in Part II.
(*ii*) Individual figures may not add up to the corresponding total due to rounding.

An important feature brought out by the above table is that within all the individual size classes most (i.e. 98 to 99 per cent) of the farmers in Region-I grew rainfed paddy. On the other hand, in the other major paddy Region-VI, only two-thirds of the holdings in each size group were growing that crop; in the remaining regions, the proportion of such farmers was much lower being less than one-third in most of the size classes.

The distribution of rainfed paddy holdings over the size classes reveals that about 60 per cent or more of the holdings in the Regions-I, II and VI were small i.e. of size less than 2 ha. In contrast, in the Regions-IV and V, over 60 per cent of the holdings were of size 2 to 10 ha.

In case of the major irrigated paddy Regions-II and VI, about 50 per cent of the growers had small holdings of size less than 2 ha.

(c) Number of paddy growers using different inputs

4.36. The percentage of farmers using different inputs in the important paddy regions is given in the table below :—

TABLE NO. 4.15

Input	Number of holdings (in lakhs) treated with different inputs											
	Region-I				Region-II				Region-III			
	I		U.I.		I		U.I.		I		U.I.	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
1	2	3	4	5	6	7	8	9	10	11	12	13
Ammonium sulphate ..	0.17	41	1.10	21	0.02	2	0.17	3	0.02	4	0.02	2
Superphosphate ..	....	....	0.03	*	0.05	4	0.03	*	....	....	0.01	1
Urea ..	0.15	37	1.17	22	1.05	75	1.24	23	0.28	73	0.30	29
Fertilizer mixtures ..	0.06	14	1.14	22	0.31	22	1.90	35	0.11	30	0.10	9
Farm yard manure ..	0.39	96	3.45	65	0.40	28	4.03	73	0.07	19	0.25	25
Compost ..	....	....	0.22	4	0.26	18	0.24	4	....	....	....	....
Pesticides —												
(*i*) Dusting ..	0.03	7	1.41	27	0.01	*	0.05	*	....	....	....	....
(*ii*) Spraying ..	0.02	4	0.80	15	0.02	1	0.09	2	M	1	....	....

TABEL NO. 4.15 (contd.)

Input	Number of holdings (in lakhs) treated with different inputs											
	Region-IV				Region-V				Region VI			
	I.		U.I.		I.		U.I.		I.		U.I.	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
1	14	15	16	17	18	19	20	21	22	23	24	25
Ammonium sulphate ..	....	....	0.01	*	M	2	....	....	0.03	2	M	*
Superphosphate ..	M	*	0.01	*	0.02	11	0.05	3	0.03	2	0.05	2
Urea ..	0.08	25	0.27	10	0.12	56	0.38	20	0.48	29	0.31	11
Fertilizer mixtures ..	0.08	24	0.31	12	0.07	32	0.19	10	0.59	35	0.40	15
Farm yard manure ...	0.13	38	0.79	31	0.08	38	0.74	39	1.39	82	1.79	67
Compost ..	M	2	M	*	0.04	17	0.14	7	0.21	13	0.40	15
Pesticides—												
(*i*) Dusting ..	....	....	0.01	*	M	*	0.02	1	0.06	4	0.03	1
(*ii*) Spraying ..	M	1	....	....	0.02	7	0.02	1	0.10	6	0.04	2

Note.—The percentages are based on the number of holdings growing the irrigated/unirrigated crop in the respective regions, given in Part-II.
M=Meagre i.e. less than 0.01 lakh holdings.
*=Negligible i.e. less than 1 per cent.

It is seen that superphosphate was used on a negligible scale in the different regions. Even ammonium sulphate, compost and pesticides were applied to the crop in one or two regions only, on an appreciable scale, while urea, fertilizer mixtures and farm yard manure were found to be the major inputs used in the major regions. Even here, where the (absolute) number of holdings benefited was small, further details are not given in accordence with the criteria adopted for this purpose (as stated in paragraph 4.4 of Chapter IV.)

(d) Use of inputs according to size classes of holdings

4.37. (*i*) *Ammonium sulphate.*—The input had been used in Region-I only on an appreciable scale and the number of farmers, there applying it to the rainfed paddy crop in the different size groups is given in the table below :—

TABLE NO. 4.16

Size class of holdings	Percentage of farmers applying ammonium sulphate to rainfed paddy in Region-I
1	2
Below 1 ha.	16
1 to 2 ha.	27
2 to 4 ha.	32
4 to 10 ha.	18
10 ha. and above	29
All size classes	21

Note.—The percentages are based on the number of holdings growing unirrigated crop in the respective size classes.

Though the proportionate number of holdings benefited was over one-fourth in some of the size groups, yet, in view of the concentration of paddy holdings in the first size group, more number of holdings in that size group received the input.

4.38. (*ii*) *Urea.*—Within most of the individual size classes, the rainfed crop received the input in nearly one-fourth or more of the holdings in Regions-I and II as can be seen from the table below :—

TABLE NO. 4.17

Size class of holdings	Precentage of paddy growers applying urea				
	Region-I	Region-II		Region-III	Region-VI
	U.I.	I.	U.I.	I.	I.
1	2	3	4	5	6
Below 1 ha.	17	87	19	94	23
1 to 2 ha.	28	88	24	90	21
2 to 4 ha.	33	70	28	27	28
4 to 10 ha.	24	66	27	78	43
10 ha. and above	25	28	21	74	59
All size classes	22	75	23	73	29

Note.—The percentages are based on the number of holdings growing irrigated/unirrigated crop in the respective size classes in each region.

In case of the irrigated crop, the input was used by a high percentage of the farmers having small holdings of size upto 2 ha. in Regions-II and III; while on the other hand in Region-VI proportionately more number of farmers with bigger holdings of size exceeding 2 ha. applied the input.

4.39. (*iii*) *Fertilizer mixtures.*—The table below reveals that in the Region-VI as in the case of urea, a higher percentage of farmers with holdings in the last three size classes applied fertilizer mixtures to the crop raised under rainfed and irrigated conditions.—

TABLE NO. 4.18

Size class of holdings	Percentage of farmers applying fertilizer mixtures				
	Region-I	Region-II		Region-VI	
	U.I.	I.	U.I.	I.	U.I.
1	2	3	4	5	6
Below 1 ha.	24	7	45	31	8
1 to 2 ha.	18	35	32	25	9
2 to 4 ha.	25	17	24	34	23
4 to 10 ha.	12	29	20	49	23
10 ha. and above	37	28	17	65	42
All size classes	22	22	35	35	15

Please *see* foot-note below Table 4.17

In Region-II, the rainfed crop received the input in a higher percentage of holdings within the first three size classes where the paddy holdings were also largely concentrated. In fact, there was a downward trend in the percentage of holdings benefited with the increase in size of holdings. In Region-I, for similar reasons, larger (absolute) no. of holdings in the first size group receive the input.

4.40. (*iv*) *Farm yard manure.*—The rainfed crop received the input in a fairly high percentage (i.e. over 60 per cent generally) of the holdings within each of the size classes in Regions-I, II and VI as shown by the table below:—

TABLE NO. 4.19

Size class of holdings	Percentage of farmers applying farm yard manure							
	Region-I		Region-II		Region-IV	Region-V	Region-VI	
	I.	U.I.	I.	U.I.	U.I.	U.I.	I.	U.I.
1	2	3	4	5	6	7	8	9
Below 1 ha. ..	96	68	8	80	37	47	79	63
1 to 2 ha. ..	93	63	35	68	23	25	77	56
2 to 4 ha. ..	97	70	28	71	34	37	89	72
4 to 10 ha. ..	96	52	48	70	31	44	86	80
10 ha. and above ..	96	73	33	43	26	38	89	89
All size classes ..	96	65	28	73	31	39	82	67

Please *see* foot-note below Table 4.17

In case of the irrigated crop, nearly 80 per cent or more of the holdings in Region-VI and most of the holdings in Region-I in each size class received the input.

4.41. (*v*) *Compos.*—The size class-wise particulars relating to the use of compost are presented below for Regions-II and VI where it was used on a relatively appreciable scale:-

TABLE NO. 4.20

Size class of holdings	Percentage of farmers applying compost		
	Region-II	Region-VI	
	Irrigated	Irrigated	Unirrigated
1	2	3	4
Below 1 ha.	23	5	17
1 to 2 ha.	17	19	17
2 to 4 ha.	27	5	19
4 to 10 ha.	9	26	3
10 ha. and above.	6	19	2
All size classes	18	13	15

Please *see* foot-note below Table 4.17

The irrigated crop in Region-II and the rainfed crop in Region-VI received the input in nearly 20 per cent or more of the paddy growing holdings within the first three size classes, on the other hand, such a feature was noticed in case of the irrigated crop, generally in the large holdings (i.e. in the last two size classes) of Region-VI.

4.42. (*vi*) *Pesticides.*—The rainfed crop in Region-I was only treated with pesticides on an appreciable scale. Hence the size class-wise particulars are given in the table below for that region :—

TABLE NO. 4.21

Size class of holdings	Percentage of farmers in Region-I applying pesticides by	
	Dusting	Spraying
	U.I.	U.I.
1	2	3
Below 1 ha.	25	7
1 to 2 ha.	34	15
2 to 4 ha.	27	15
4 to 10 ha.	21	8
10 ha. and above	26	23
All size classes	27	15

Please *see* footnote below Table No. 4.17

Nearly one-fourth of the holdings growing the rainfed crop within the individual size classes in Region-I was dusted with pesticides, while spraying was done generally in one-seventh or more of such holdings in the respective size classes.

(B) EXTENT OF USE OF INPUTS IN THE REGIONS

(a) Extent of cultivation of High Yielding Varieties

4.43. The extent of cultivation of High Yielding Varieties of paddy crop in the major crop growing regions is given below :—

TABLE NO. 4.22

Region	Estimated area under paddy (in lakh ha.)					
	H.Y.V.		Others		Total	
	I.	U.I.	I.	U.I.	I.	U.I.
1	2	3	4	5	6	7
I ..	0.04	1.24	0.02	2.84	0.06	4.03
	(67)	(30)	(33)	(70)	(100)	(100)
II ..	0.07	0.71	0.24	2.33	0.30	3.05
	(23)	(23)	(77)	(77)	(100)	(100)
IV ..	0.08	0.03	0.09	1.27	0.18	1.29
	(44)	(2)	(50)	(98)	(100)	(100)
VI ..	0.30	0.06	2.14	3.01	2.43	3.06
	(12)	(2)	(88)	(98)	(100)	(100)
State ..	0.59	2.16	2.74	10.98	3.33	13.14
	(18)	(16)	(82)	(84)	(100)	(100)

Note.—(1) Figures within the brackets are percentages based on the cols. 6 & 7 respectively.
(2) Individual figures may not add up to the corresponding total due to rounding.

The High Yielding Varieties were grown mostly in the Regions I and II and that too under rainfed conditions. The other varieties under irrigation were grown on a large scale only in Region-VI and to a small extent in Region-II. Hence, further analysis of the data has been discussed below, only for those regions where the area (according to irrigated/unirrigated category) under the crop was substantial.

(b) Size class-wise distribution of area under H.Y.V.

4.44. The area under High Yielding and other Varieties according to size classes of holdings in the important paddy regions is given in the table below:

TABLE No. 4.23

Size class of holdings	Area under H.Y.V. and other varieties of paddy crop (in lakh ha.)							
	Region-I		Region-II		Region-IV	Region-VI		
	H.Y.V.	Others	H.Y.V.	Others	Others	H.Y.V.	Others	
	U.I.	U.I.	U.I.	U.I.	U.I.	I.	I.	U.I.
1	2	3	4	5	6	7	8	9
Below 1 ha. ..	0.37	0.63	0.27	0.33	0.04	0.05	0.24	0.44
	(37)	(63)	(45)	(55)	(100)	(17)	(83)	(99)
1 to 2 ha. ..	0.29	0.46	0.10	0.39	0.10	0.03	0.37	0.61
	(39)	(61)	(20)	(81)	(99)	(7)	(93)	(98)
2 to 4 ha.	0.27	0.67	0.18	0.47	0.22	0.04	0.53	0.86
	(29)	(71)	(28)	(72)	(97)	(7)	(93)	(99)
4 to 10 ha. ..	0.20	0.83	0.12	0.78	0.60	0.11	0.73	0.80
	(19)	(81)	(13)	(87)	(100)	(13)	(87)	(97)
10 ha. and above ..	0.11	0.25	0.04	0.35	0.32	0.06	0.26	0.29
	(30)	(70)	(11)	(89)	(95)	(19)	(81)	(98)
All size classes ..	1.24	2.84	0.71	2.33	1.27	0.30	2.14	3.01
	(30)	(70)	(23)	(77)	(98)	(12)	(88)	(98)

Note.— (*i*) Figures within the brackets are percentages based on the total irrigated/unirrigated area under the crop within the respective size classes given in Part-II.
(*ii*) Individual figures may not add up to the corresponding total due to rounding.

In Region-I, generally 30 to 39 per cent of the area under rainfed crop within the individual size classes was devoted to the dry cultivation of H.Y.V., while in Region-II, the percentage area under H.Y.V. was appreciable only in the first size class.

The distribution of the (rainfed) H.Y.V. area over the size classes of holdings shows that in the Regions-I and II, about three-fourths of that area was concentrated in the first three size classes.

High Yielding Varieties (irrigated) were grown on an appreciable scale only in Region-VI but their area in the individual size classes was relatively quite meagre. In the two Regions-IV and VI, most of the area under the rainfed crop within each size group was devoted to the cultivation of other varieties only. Another feature noticed is that about 50 per cent or more of the total area under these varieties was contributed by the holdings of size 2 to 10 ha. in all the regions.

(c) Relative importance of inputs used in the regions

4.45. The relative importance of the different inputs in the individual regions as judged by their extent of use is broughtout by the table below:—

TABLE No. 4.24

Input	Percentage area under paddy treated with the input							
	Region-I		Region-II		Region-IV	Region-VI		
	H.Y.V.	Others	H.Y.V.	Others	Others	H.Y.V.	Others	
	U.I.	U.I.	U.I.	U.I.	U.I.	I.	I.	U.I.
1	2	3	4	5	6	7	8	9
Ammonium sulphate ..	22	10	N	6	..	3	1	N
Superphosphate ..	N	N	..	1	N	12	3	2
Urea	44	11	8	25	13	77	23	14
Fertilizer mixtures	23	13	59	13	18	73	28	19
Farm yard manure	42	41	76	60	35	63	78	64
Compost	5	2	N	8	N	11	16	18
Pesticides—								
(*i*) Dusting	38	25	N	N	N	20	1	N
(*ii*) Spraying	16	5	4	N	..	28	2	N

Note.—(N = Negligible i.e. below 1 per cent).

It is seen that ammonium sulphate was applied to the crop on a relatively appreciable scale only in Region-I. Although the three inputs urea, fertilizer mixtures and farm yard manure were used in all the four regions, yet the percentage area benefited by urea and fertilizer mixtures was fairly high in case of the H.Y.V. in Regions-I and II respectively. Farm yard manure was more extensively used than the fertilizers in all the four regions. Compost was applied on a restricted scale in Region-VI and pesticides in Region-I only on an appreciable scale.

The size class-wise distribution of the above figures is discussed in the succeeding paragraphs.

(d) Use of major inputs according to size class of holdings

4.46. (*i*) *Ammonium sulphate.*—Within the individual size classes in the Region-I nearly one-fifth or more of the area under (rainfed) H.Y.V. in each size class received the input, as can be seen from the table below:—

TABLE NO. 4.25

Size class of holdings	Percentage area under rainfed H.Y.V. treated with ammonium sulphate in Region-I
1	2
Below 1 ha. ..	22
1 to 2 ha. — ..	16
2 to 4 ha.	29
4 to 10 ha.	19
10 ha. and above	30
All size classes	22

Note.—The above percentages are based on the area under H.Y.V. in the individual size classes in the region.

4.47. (*ii*) *Urea.*—The table below gives the size class-wise extent of use of urea.

TABLE NO. 4.26

Size class of holdings	Percentage area under paddy treated with urea				
	Region-I	Region-II	Region-VI		
	H.Y.V.	Others	H.Y.V.	Others	
	U.I.	U.I.	I.	I.	U.I.
1	2	3	4	5	6
Below 1 ha. ..	45	21	67	13	5
1 to 2 ha. ..	47	23	90	15	9
2 to 4 ha. ..	58	27	56	28	15
4 to 10 ha. ..	28	29	79	25	18
10 ha. and above ..	20	21	87	27	22
All size classes: ..	44	25	77	23	14

Note.—The above percentages are based on the area under the respective categories of the crop in the individual size classes in each region.

High Yielding Varieties under irrigation received the input in a high percentage (i.e. nearly 70 or more) of the area in most of the size groups in Region-VI, while in Region-I, relatively high percentage of the rainfed area under these varieties within the first three size classes only received the input. In the remaining cases, the percentage area benefited in the individual size groups was below 30.

4.48. (*iii*) *Fertilizer mixtures.*—The table below gives the size class-wise percentage area under paddy applied with fertilizer mixtures in different regions.

TABLE NO. 4.27

Size class of holdings	Percentage area under paddy treated with fertilizer mixtures				
	Region-I	Region-II	Region-VI		
	H.Y.V.	H.Y.V.	H.Y.V.	Others	
	U.I.	U.I.	I.	I.	U.I.
1	2	3	4	5	6
Below 1 ha. ..	36	84	66	22	8
1 to 2 ha. ..	11	35	81	21	9
2 to 4 ha. ..	18	42	82	23	25
4 to 10 ha. ..	15	41	71	33	22
10 ha. and above ..	36	81	74	36	29
All size classes ..	23	59	73	28	19

Note.—Please see foot-note below table 4.26.

The H.Y.V. under irrigation in Region-VI and the rainfed crop in Region-II received the input in a fairly high percentage of the area in the individual size classes In the remaining cases, the proportionate extent of benefit was quite on the lower side except in case of the other varieties in Region-VI where the treated area was more in the third and fourth size groups in view of the concentration of the crop (both dry and irrigated) in these two size groups.

4.49. (*iv*) *Farm yard manure.*—Farm yard manure was the one input applied to a fairly high percentage of the paddy area in most of the individual size classes of holdings in the different regions to the extent of at least 40 per cent as seen from the table below.

TABLE NO. 4.28

Size class of holdings	Percentage area under paddy treated with F.Y.M.							
	Region-I		Region-II		Region-IV	Region-VI		
	H.Y.V.	Others	H.Y.V.	Others	Others	H.Y.V.	Others	
	U.I.	U.I.	U.I.	U.I.	U.I.	I.	I.	U.I.
1	2	3	4	5	6	7	8	9
Below 1 ha.	48	53	76	73	29	23	83	59
1 to 2 ha.	37	50	93	66	17	58	75	55
2 to 4 ha.	44	46	78	65	43	64	84	60
4 to 10 ha.	36	26	72	56	41	74	74	73
10 ha. and above	42	29	39	47	25	78	73	78
All size classes	42	41	76	60	35	63	78	64

Please see foot-note below (table 4.26)

In particular, more than 70 per cent of the area under the rainfed crop within the most of the individual size classes received the input in case of H.Y.V. in Region-II and irrigated other varieties in Region-VI.

In the Regions-I and II, the percentage area benefited by the other (rainfed) varieties showed a tendency to decline with the increase in the size of the holdings. On the other hand, a higher percentage area under other varieties (unirrigated) was manured in the bigger holdings of size 4 ha. and above in Region-VI.

4.50. (*v*) *Compost.*—The size class-wise particulars regarding the use of this input are given in the table below for Region-VI only:—

TABLE NO. 4.29

Size class of holdings	Percentage area under paddy treated with compost in Region-VI	
	Other Varieties	
	Irrigated	Unirrigated
1	2	3
Below 1 ha.	2	21
1 to 2 ha.	20	21
2 to 4 ha.	9	27
4 to 10 ha	23	7
10 ha. and above	20	4
All size classes	16	18

Please *see* foot-note below table No. 4.26.

It is seen that rainfed relatively appreciable percentage of the rainfed area under other varieties received the input only in the first three size classes of holdings. No definite pattern in the use of the input was observed in case of the irrigated crop.

4.51. (*vi*) *Pesticides.*—The size class-wise distribution of the area under paddy benefited by pesticides is given below for Region-I only.

TABLE NO. 4.30

Size class of holdings	Percentage area under rainfed paddy treated with pesticides in Region-I		
	By Dusting		By Spraying
	H.Y.V.	Others	H.Y.V.
	U.I.	U.I.	U.I.
1	2	3	4
Below 1 ha.	38	20	20
1 to 2 ha.	46	29	18
2 to 4 ha.	34	26	12
4 to 10 ha.	43	21	8
10 ha. and above	20	35	26
All size classes.	38	25	16

Please *see* foot-note below table No. 4.25.

The extent of application of the input in the different size groups did not reveal any relationship with the size of holdings. It is, however, observed that in Region-I more than one-third of the area under H.Y.V. and about one-fourth of the area under other varieties within most of the individual size classes were applied with pesticides by dusting. Spraying of the H.Y.V. was done on an appreciable scale in most of the size groups.

CROP-BAJRI

Introduction

4.52. Bajri is a major millet crop grown to the extent of about 18 lakh ha. or about 9 per cent of the total gross cropped area in the State. Its area under irrigation is very low being 0.6 lakh ha. or less than 4 per cent of its total area.

4.53. Before perusing the findings of the Input Survey, it may be helpful to know the conditions under which the crop is generally grown in the State. Though it is an important crop in the State, the yield rates in case of the unirrigated traditional varieties

are very low, being less than 3 quintals per hectare. Hybrid varieties of the crop when introduced in the year 1966-67 proved to be popular with the cultivators in view of their much higher yield rates. In the beginning, increasing number of cultivators were attracted to the cultivation of the hybrid varieties with the coverage reaching its peak, *viz.*, about 8 lakh ha. in 1973-74. There was, however, a serious set back to the cultivation of the hybrid varieties when it was found that they were highly susceptible to Dawny Mildew disease.

4.54. The crop in case of the hybrid varieties is grown in medium soils, while the traditional varieties are generally grown in inferior soils and that too in areas receiving low and uncertain rainfall. Application of inputs like fertilizers and manures to traditional varieties particularly when grown under dry conditions is, therefore, not expected on an appreciable scale.

4.55. The findings of the survey regarding the use of inputs for bajri crop are summarised in the following paragraphs.

State Level Findings

(a) Number of holdings growing the crop

4.56. Out of the estimated total number of about 54* lakh holdings in the State, 1.24 lakh holdings (or 2 per cent) were growing the irrigated crop while the unirrigated crop was grown in 10 lakh holdings (or 19 per cent). The size class-wise distribution of these holdings is given below : —

Table No. 4.31

Size class of holdings	Number of holdings@ (in lakhs) growing bajri			
	Irrigated		Unirrigated	
	Number	%	Number	%
1	2	3	4	5
Below 1 ha.	0.19	1	1.29	9
1 to 2 ha.	0.15	1	1.51	14
2 to 4 ha.	0.30	2	2.61	21
4 to 10 ha.	0.41	3	3.26	26
10 ha. and above	0.19	5	1.33	35
All size classes	1.24	2	10.00	19

Note.—Percentages in cols. 3 and 5 are based on the total estimated number of operational holdings in the respective size classes given in Part-II. (ii) Individual figures may not add up to the corresponding total due to rounding.

About 60 per cent of the total number of holdings under each of the irrigated and unirrigated categories in the State were of size 2 to 10 ha., while the remaining holdings were distributed almost equally among the remaining three size classes. It is seen that the relative number of farmers growing the irrigated crop within the size classes was very low being hardly 1 to 5 per cent. The percentage of holdings in case of both the irrigated and dry crop within the individual size classes shown an upward trend with the increase in the size of holdings *i.e.* proportionately more number of farmers with holdings in the bigger size groups were growing the crop.

* Please *see* clarification given under paragraph 3.9 of Chapter-III.
@ Hereafter for brevity, the expression " farmers/holdings " will be used only to refer to these growing the bajri.

(b) Average area under bajri per holding

4.57. The table below gives the estimated average area per holding under bajri :—

TABLE NO. 4.32

Size class of holdings	Average area under bajri per holding	
	Irrigated	Unirrigated
1	2	3
	ha.	ha.
Below 1 ha.	0.23	0.38
1 to 2 ha.	0.50	0.78
2 to 4 ha.	0.47	1.25
4 to 10 ha.	0.66	2.10
10 ha. and above	0.81	3.46
All size classes ..	0.55	1.64

The average area under the dry crop per holding varied from 0.4 to 3.5 ha. in different size classes while it was much lower in case of the irrigated crop in the last three size classes.

(c) Number of farmers applying inputs

4.58. Urea and farm yard manure were the only two major inputs used by the farmers although the (absolute) number of farmers using fertilizer mixtures for the unirrigated crop was also appreciable as can be seen from the table below :—

TABLE NO. 4.33

Input	Number of farmers (in lakhs) applying inputs			
	Irrigated		Unirrigated	
	Number	%	Number	%
1	2	3	4	5
Ammonium sulphate	0.05	4	0.10	1
Superphosphate	0.01	1	0.14	1
Urea	0.30	24	0.92	9
Fertilizer mixtures	0.06	5	0.48	5
Farm yard manure	0.70	57	2.23	22
Compost	0.01	1	0.04	N
Pesticides—				
(*i*) Dusting	0.01	N	0.10	1
(*ii*) Spraying	0.02	1	0.04	N

(N = Negligible (*i.e.* less than 1 per cent).

Note.—The percentages are based on the number of holdings growing the irrigated/unirrigated crop given in Table No. 4.31.

(d) Use of inputs according to size classes of holdings

4.59. The size class-wise details are given below for the important inputs:—

TABLE NO. 4.34

Size class of holdings	Number of holdings (in lakhs) treated with input				
	Urea		Fertilizer mixtures	Farm yard manure	
	I.	U.I.	U.I.	I.	U.I.
1	2	3	4	5	6
Below 1 ha.	0.03	0.06	0.03	0.11	0.26
	(17)	(5)	(2)	(57)	(20)
1 to 2 ha.	0.04	0.16	0.10	0.08	0.41
	(27)	(10)	(7)	(54)	(27)
2 to 4 ha.	0.06	0.22	0.10	0.17	0.57
	(20)	(9)	(4)	(56)	(22)
4 to 10 ha.	0.13	0.37	0.20	0.24	0.69
	(32)	(12)	(6)	(59)	(21)
10 ha. and above	0.04	0.11	0.06	0.10	0.29
	(21)	(8)	(4)	(53)	(22)
All size classes	0.30	0.92	0.48	0.70	2.23
	(24)	(9)	(5)	(57)	(22)

Note.—Percentages in the brackets are based on the number of holdings growing the irrigated/unirrigated crop given in Table No. 4.31.

Urea was applied generally to the dry crop in about 10 per cent of the holdings and to the irrigated crop in about 20 per cent or more of the holdings in different size classes. In case of farm yard manure, the relative number of holdings within the individual size classes was practically the same in the case of both irrigated and dry crop being about one-half and one-fifth of the total number respectively. A larger (absolute) number of holdings of size 2 to 10 ha. received both the inputs. The percentage of holdings benefited by fertilizer mixtures in the different size groups was quite low being about 5.

(e) Extent of cultivation of hybrid varieties

4.60. The coverage under hybrid varieties is brought out by the table below:—

TABLE NO. 4.35

Size class of holdings	Area under bajri (in lakh ha.)					
	Hybrid varieties		Other varieties		Total	
	I.	U.I.	I.	U.I.	I.	U.I.
1	2	3	4	5	6	7
Below 1 ha.	0.01	0.09	0.04	0.40	0.04	0.50
	(12)	(18)	(88)	(82)	(100)	(100)
1 to 2 ha.	0.02	0.26	0.05	0.92	0.07	1.18
	(34)	(22)	(66)	(78)	(100)	(100)
2 to 4 ha.	0.03	0.59	0.11	2.67	0.14	3.25
	(22)	(18)	(78)	(82)	(100)	(100)
4 to 10 ha.	0.08	1.37	0.19	5.46	0.27	6.82
	(29)	(20)	(72)	(80)	(100)	(100)
10 ha. and above	0.03	0.74	0.12	3.89	0.15	4.62
	(22)	(16)	(78)	(84)	(100)	(100)
State total	0.17	3.04	0.51	13.34	0.68	16.38
	(25)	(19)	(75)	(81)	(100)	(100)

Note.— (*i*) Figures in brackets refer to percentages based on the corresponding total irrigated/unirrigated area given in column 6/7.
(*ii*) The individual figures may not add up to the corresponding total due to rounding.

The coverage under hybrid varieties was estimated at 3.21 lakh ha. or about 19 per cent of the total bajri area in the State (as obtained from the Input Survey). The official estimate of the total area under hybrid varieties (based on Zilla Parishad reports) was nearly 2 lakh hectares. The irrigated area under bajri itself was very small being 0.7 lakh ha. and one-fourth of this area was devoted to the cultivation of hybrid varieties while in case of the dry crop nearly one-fifth of its area was under the above varieties. Within the individual size classes also, the proportionate area devoted to

the hybrid varieties (dry) was practically the same as noticed at the State level. This indicates that the farmers irrespective of the size of their holdings devoted relatively the same proportion of the total bajri area to the hybrid varieties.

An important feature noticed is that about 40 per cent or more of the total area under the crop in each of the four categories was contributed by the holdings of size 4 to 10 ha. and about two-thirds of the total area was concentrated in the last two size groups.

(f) Relative importance of the inputs used

4.61. The relative extent of application of the different inputs to the bajri crop is brought out by the table below :—

TABLE NO. 4.36

Input	Area (in lakhs) treated with							
	Hybrid varieties				Other varieties			
	Irrigated		Unirrigated		Irrigated		Unirrigated	
	Area	%	Area	%	Area	%	Area	%
1	2	3	4	5	6	7	8	9
Ammonium sulphate ..	0.01	8	0.16	5	..	..	0.01	*
Superphosphate ..	M	1	0.26	9	..	*	M	..
Urea ..	0.09	50	1.06	35	0.12	23	0.34	3
Ferti. mixtures ..	0.01	4	0.60	20	0.05	9	0.26	2
F. Y. M. ..	0.06	36	0.66	22	0.32	62	3.10	23
Compost ..	..	..	..	..	0.01	1	0.03	*
Pesticides—								
(*i*) Dusting ..	M	1	0.09	3	M	*	0.04	*
(*ii*) Spraying ..	M	1	0.04	1	0.01	1	0.01	*

M = Meagre i.e. less than 0.01 lakh ha.
* Negligible i.e. less than 1 per cent.
Note.—The above percentages are based on the corresponding estimated area under the respective categories given in the Table No. 4.35.

It is seen that urea and fertilizer mixtures were the only major fertilizers applied mostly to the unirrigated hybrid varieties, the irrigated area under these varieties being too small. The other varieties received scant attention. F.Y.M. on the other hand was applied on a large scale to the (dry) other varieties.

(g) Extent of use of major inputs according to size class of holdings

4.62. The extent of use of the above major inputs in the different size classes of holdings is given in the table below :—

TABLE NO. 4.37

Size class of holdings	Area (in lakh ha.) under bajri treated with									
	Urea		Fertilizer mixtures		Farm yard manure					
	Hybrid		Hybrid		Hybrid		Others			
	U.I.		U.I.		U.I.		I.		U.I.	
	Area	%	Area	%	Area	%	Area	%	Area	%
1	2	3	4	5	6	7	8	9	10	11
Below 1 ha.	0.01	9	0.01	9	M	5	0.02	58	0.10	25
1 to 2 ha.	0.09	35	0.08	33	0.05	21	0.02	57	0.23	25
2 to 4 ha.	0.13	23	0.12	21	0.05	9	0.06	57	0.59	22
4 to 10 ha.	0.61	45	0.28	21	0.30	22	0.13	66	1.10	20
10 ha. and above	0.22	29	0.10	14	0.25	34	0.07	63	1.08	28
All size classes	1.06	35	0.60	20	0.66	22	0.32	62	3.10	23

Note.— (*i*) M = Meagre area i.e. less than 0.01 lakh ha.
(*ii*) The above percentages are based on the estimated area under the respective categories of the crop in each size class.
(*iii*) Individual figures may not add up to the corresponding total due to rounding.

Though an appreciable percentage of the area under (dry) hybrid varieties was treated with urea and fertilizer mixtures in most of the size classes, yet the (absolute) area benefited was the highest in the fourth size group.

4.63. In regard to the use of F.Y.M; only the unirrigated other varieties were more extensively treated (i.e. in over 1 lakh ha.) in each of the last two size groups.

(h) Use of pesticides

4.64. The extent of adoption of plant protection measures in case of bajri was found to be quite low as can be seen from the findings of the Input Survey summarised below for the State:—

TABLE NO. 4.38

Variety	Area treated with pesticides by			
	Dusting		Spraying	
	I.	U.I.	I.	U.I.
1	2	3	4	5
	ha.	ha.	ha.	ha.
Hybrid Varieties.	208	9175	225	3523
.. ..	(1)	(3)	(1)	(1)
Other Varieties	60	3870	718	1474
.. ..	(N)	(N)	(1)	(N)
Total	268	13045	943	4997
	(N)	(N)	(1)	(N)

Note.—The figures in brackets are percentages based on the total area under bajri in the respective cells.
N = Negligible (i.e. below 1 per cent.)

In all, hardly 268 ha. under irrigated bajri and about 13,000 ha. under unirrigated bajri were treated with pesticides by dusting while the area treated by spraying was also equally negligible being about 900 ha. and 5000 ha. under the irrigated and unirrigated crop respectively.

4.65. This meagre extent of adoption of plant protection measures in case of bajri crop is attributed to the fact that there are no problems of pests and diseases for this crop and hence the pesticides are not expected to be used to a noticeable extent. In case of hybrid varieties though they are affected by diseases like Downy Mildew the only treatment recommended is spraying with urea to act as a stimulant to the crop. The higher percentage area under hybrid varieties benefited by the application of urea (referred to in paragraph. 4.62) may also partly be on this account. There is no other recommendation for treating the crop with pesticides in this case also.

Hence in view of the meagre use of pesticides, the size class-wise details regarding the same are not discussed.

REGIONWISE FINDINGS

4.66. Regionwise findings are summarised below separately under topic (A) in regard to the number of holdings receiving the inputs and under topic (B) the area benefited.

(A.) NUMBER OF HOLDINGS RECEIVING THE INPUTS

(a) Number of bajri growers

4.67. The area under bajri was concentrated in three regions only, namely, Regions II, III and IV ; but it will be of greater interest to know the number of bajri growers also in the regions, which is given in the table below:—

TABLE NO. 4.39

Region	Estimated number of farmers (in lakhs) growing bajri	
	Irrigated	Unirrigated
1	2	3
II	1.20	4.62
III	0.03	2.45
IV	0.01	2.22
V	....	0.71
State	1.24	10.00

Region-II was the most important bajri growing tract having 46 per cent of the total number of farmers in the State growing the dry crop while nearly one-fourth of the number of such farmers were in each of the Region-III and IV. Further, most of the holdings growing irrigated bajri were located in Region-II to the extent of nearly 97 per cent.

In Region-V, bajri, though grown by 0.7 lakh farmers is not cultivated as a regular and sole crop on an appreciable scale in any of the districts of that region. Further, the total area under the crop in the region was only 0.2 lakh ha. (as compared with the State total area of over 16 lakh ha.)

The findings of the Input Survey are, therefore, summarised below for the Regions-II, III and IV only in respect of unirrigated crop and Region-II only for the irrigated crop.

(b) Number of bajri holdings according to size classes

4.68. The estimated number of bajri growing holdings according to size classes in the major regions is given below :—

TABLE NO. 4.40

Size class of holdings	Estimated number of farmers (in lakhs) growing bajri							
	Region-II				Region-III		Region-IV	
	I.		U.I.		U.I.		U.I.	
	No.	%	No.	%	No.	%	No.	%
1	2	3	4	5	6	7	8	9
Below 1 ha.	0.2	3	0.8	13	0.3	28	0.2	14
1 to 2 ha.	0.1	5	0.8	24	0.4	37	0.3	14
2 to 4 ha.	0.3	9	1.1	33	0.7	50	0.6	20
4 to 10 ha.	0.4	12	1.3	44	0.9	55	0.8	20
10 ha. and above	0.2	17	0.6	59	0.2	55	0.4	29
All size classes.	1.2	7	4.6	28	2.5	45	2.2	19

The percentage of holdings growing the crop within the individual size groups showed an upward trend in the Regions-II and III with the increase in the size of holdings. This shows that proportionately more number of khatedars with bigger holdings grew the crop.

The distribution of the number of holdings over the different size classes reveals that over 50 per cent of the bajri growers had holdings of size 2 to 10 ha. in all the three regions.

(c) Number of holdings receiving inputs

4.69. The table below gives percentages of bajri growers using the different inputs in the major regions :—

TABLE NO. 4.41

Input	Percentage of bajri growers using inputs			
	Region-II		Region-III	Region-IV
	I.	U.I.	U.I.	U.I.
1	2	3	4	5
Ammonium sulphate	4	N	4	N
Superphosphate	1	..	6	N
Urea	22	N	34	1
Fertilizer mixtures	5	N	17	N
Farm yard manure	56	22	32	12

Note.— (*i*) N = Negligible being less than 1 per cent.
(*ii*) The percentages are based on the total number of holdings growing the irrigated/unirrigated crop.
(*iii*) The estimates have not been presented for compost and pesticides, as they were used on a very meagre scale.

A noteworthy feature is that bajri (dry crop) was practically not applied with any of the fertilizers in the Regions-II and IV. It was only in Region-III, the major fertilizer viz., urea was applied by one third of the farmers while fertilizer mixtures had been applied on a fairly appreciable scale. This is attributed to the fact that 45 per cent of the crop in this region was under hybrid varieties which had been applied with the major inputs to a larger extent.

Farm yard manure was applied to both irrigated and unirrigated crop by an appreciable percentage of farmers in the Regions-II and III, while in Region-IV, it was lower.

4.70. The size class-wise distribution of the above figures is given below in respect of the important inputs :

TABLE NO. 4.42

Size class of holdings	Percentage of bajri growing holdings receiving input						
	Urea		Fertilizer mixtures	Farm yard manure			
	Region-II	Region-III	Region-III	Region-II		Region-III	Region-IV
	I.	U.I.	U.I.	I.	U.I.	U.I.	U.I.
1	2	3	4	5	6	7	8
Below 1 ha.	17	21	11	57	23	20	11
1 to 2 ha.	27	32	22	54	28	36	13
2 to 4 ha.	18	30	13	56	25	28	6
4 to 10 ha.	28	41	21	57	19	33	14
10 ha. and above ..	19	40	18	52	14	56	19
All size classes. ..	22	34	17	56	22	32	12

Note.—The percentages are based on the number of holdings growing the irrigated/unirrigated crop in the respective size classes given in Table No. 4.40.

Urea was applied to the crop in Region-III in a larger percentage of holdings within all the individual size classes than in Region-II consistently, even though it was a dry crop in the former region while it was irrigated in the latter case. Further, in Region-III, the input was applied by a fairly large proportion i.e. 40 per cent of the farmers growing the dry crop in each of the last two size classes where the area under the crop was also concentrated.

4.71. Fertilizer mixtures were applied to the dry crop in the Region-III by about one fifth or less of the bajri growers in each of the size classes.

4.72. In regard to farm yard manure, over 50 per cent of the holdings growing irrigated bajri in each size class in Region-II received the input, while the corresponding percentage in case of the dry crop was near 20 or above, generally. In Region-III, nearly 30 per cent or more of the holdings received the input in each of the last four size groups.

(B) EXTENT OF USE OF INPUTS IN THE REGIONS

(a) Extent of cultivation under hybrid varieties

4.73. The table below gives the extent of cultivation of hybrid and other varieties in the different regions :—

TABLE NO. 4.43

Regions	Area under bajri (in lakh ha.)					
	Hybrid varieties		Other varieties		Total	
	I.	U.I.	I.	U.I.	I.	U.I.
1	2	3	4	5	6	7
II	0.17	0.62	0.48	6.21	0.64	6.84
	(27)	(9)	(75)	(91)	(100)	(100)
III	M	2.29	0.03	2.91	0.04	5.20
	(25)	(44)	(75)	(56)	(100)	(100)
IV	M	0.09	M	4.04	M	4.13
	(—)	(2)	..	(98)	..	(100)
State (All regions) ..	0.17	3.04	0.51	13.34	0.68	16.38
	(25)	(19)	(75)	(81)	(100)	(100)

Note.—M = Less than 0.01 lakh ha.

Hybrid varieties of bajri were grown on a large scale in Region-III only i.e. in 2·3 lakh ha. (which was nearly 80 per cent of their total area in the State). The rest of the area under these varieties was contributed mostly by Region-II.

Within the region, a large proportion (i.e. nearly 45 per cent) of the area under bajri was devoted to hybrid cultivation only in Region-III. In the Region-IV, practically the entire area was under other varieties (dry)

It will be of interest to note that over 90 per cent of the State total area under the irrigated crop (in column 6) was concentrated in Region-II, being 0.64 lakh ha.; of this area under hybrid varieties was only 0.17 lakh ha.

4.74. The table below gives the size class-wise particulars of the above estimates.

TABLE NO. 4.44

Size class of holdings	Area under bajri (in lakh ha.)					
	Region-II			Region-III		Region-IV
	Hybrid	Others		Hybrid	Others	Others
	U.I.	I.	U.I.	U.I.	U.I.	U.I.
1	2	3	4	5	6	7
Below 1 ha.	0.02	0.04	0.26	0.07	0.07	0.08
1 to 2 ha.	0.03	0.05	0.48	0.23	0.18	0.25
2 to 4 ha.	0.09	0.11	1.23	0.47	0.57	0.83
4 to 10 ha.	0.24	0.16	2.39	1.05	1.28	1.71
10 ha. and above	0.23	0.12	1.86	0.48	0.82	1.16
All size classes.	0.62	0.48	6.21	2.29	2.91	4.04

It is seen that the area under the crop was concentrated in the bigger holdings. In fact, generally, over two-thirds of the area under the crop (in each of the categories) was contributed by holdings falling in the last two size classes.

(e) Extent of use of inputs

4.75. The table below brings out the relative importance of the different inputs as judged by the extent of their use in the major bajri growing regions.

TABLE NO. 4.45

Input	Percentage area under bajri benefited by input					
	Region-II			Region-III		Region-IV
	Hybrid	Others		Hybrid	Others	Others
	U.I.	I.	U.I.	U.I.	U.I.	U.I.
1	2	3	4	5	6	7
Ammonium sulphate	—	—	N	7	—	—
Superphosphate.	—	N	—	11	N	—
Urea	2	19	N	44	10	N
Fertilizer mixtures	N	10	1	25	7	N
Farm yard manure	2	60	20	26	46	13
Compost	—	1	N	—	N	—
Pesticides—						
(*i*) Dusting	N	N	N	3	N	—
(*ii*) Spraying	N	2	N	1	—	—

Note.— (*i*) N=Negligible being less than 1 per cent.
(*ii*) The percentages are based on the area under the respective categories of the crop in the concerned regions.

An important feature brought out by the above table is that the dry crop (under both the varieties) was applied with the fertilizers on a low or negligible scale in Regions II and IV while in Region-III, the hybrid varieties received considerable attention

(relatively) and the other varieties were also treated to some extent. This indicates the fertilizer consciousness on the part of the farmers in Region-III (comprising of Jalgaon, Dhule and Nashik Districts) and the importance attached to the hybrid varieties by them.

The irrigated crop in Region-II was applied with the major fertilizers to a small extent.

F.Y.M. was the only input applied to bajri in all the regions.

4.76. Further details of the above estimates according to the size classes of holdings are given in the table below in respect of the important inputs:—

TABLE NO. 4.46

Size class of holdings	Area under bajri (in lakh ha.) treated with							
	Super-phosphate	Urea	Fertilizer mixtures	Farm yard manure				
	Region-III	Region-III	Region-III	Region-II		Region-III		Region-IV
	Hybrid	Hybrid	Hybrid	Others		Hybrid	Other	Other
	U.I.	U.I.	U.I.	I.	U.I.	U.I.	U.I.	U.I.
1	2	3	4	5	6	7	8	9
Below 1 ha.	M	0.01	0.01	0.02	0.08	M	0.02	0.01
	(4)	(12)	(12)	(58)	(30)	(6)	(26)	(9)
1 to 2 ha.	0.01	0.09	0.08	0.03	0.14	0.05	0.07	0.02
	(6)	(40)	(37)	(57)	(30)	(23)	(36)	(8)
2 to 4 ha.	0.04	0.13	0.12	0.06	0.37	0.05	0.17	0.04
	(8)	(28)	(26)	(57)	(30)	(11)	(29)	(5)
4 to 10 ha.	0.15	0.59	0.26	0.10	0.39	0.26	0.44	0.25
	(14)	(56)	(25)	(62)	(16)	(25)	(34)	(15)
10 ha. and above	0.06	0.20	0.09	0.07	0.24	0.24	0.64	0.19
	(12)	(41)	(19)	(62)	(13)	(50)	(79)	(16)
All size classes	0.26	1.02	0.57	0.29	1.22	0.60	1.33	0.51
	(11)	(44)	(25)	(60)	(20)	(26)	(46)	(13)

Note.—The figures in brackets are percentages based on the area under the respective categories of the crop in the individual size classes in each region.

Region-III was the only tract where all the inputs were used to a substantial extent and that too to the hybrid varieties (dry crop). The percentage area benefited in the last four size groups was pronounced in the case of urea, while it was appreciable in case of fertilizer mixtures and F.Y.M. Superphosphate was used on a small scale. The other varieties (dry crop) also were applied with F.Y.M. on a fairly extensive scale in the last three size groups in this region and Region-II.

CROP : KHARIF JOWAR

Introduction

4.77. Kharif jowar is a very important millet crop of the State and covers the largest area of about 30 lakh ha. ** among the kharif crops (or 15 per cent of the total gross cropped area in 1976-77). The area under the irrigated crop was about one per cent of the total area, under the crop. The importance of the crop is due to the fact that jowar is the staple food of a large section of the State population, while the stalk—which can be preserved for the whole year—is used as cattle fodder extensively.

4.78. With the introduction of the High Yielding Varieties Programme (H.Y.V.P.) about a decade ago, the cultivation of hybrid jowar has been undertaken on an appreciable scale even in the non-traditional districts (i.e. those where kharif jowar was not grown earlier for grain purposes) due to—(*i*) their high yielding potential, (*ii*) their short duration and consequent advantage of taking a second crop thereafter. Thus out of the State total area of 29.58 lakh ha. under the crop, hybrid jowar occupied 13.88 lakh ha. (or 47 per cent), in 1976-77 based on the official statistics.

** The area figures reported here are based on the official statistics.

4.79. As the crop is mostly grown in assured and moderate rainfall areas i.e. rainfall ranging from 30 to 35 inches and generally in heavy soils, it is raised mostly under rainfed conditions.

4.80. The findings of the Input Survey are summarised in the following paragraphs for the State as a whole and then for the regions.

STATE LEVEL FINDINGS

(a) Number of holdings growing the crop

4.81. Out of the estimated total number of about 54* lakh holdings in the State, hardly 1.67 lakh holdings (or 3 per cent of the total number) grew the crop under irrigated conditions. The unirrigated crop was grown in 22.6 lakh holdings (or 42 per cent). The size class-wise distribution of holdings given in the table below shows that over half the total number of kharif jowar growers in the State had holdings of size 2 to 10 ha.

TABLE NO. 4.47

Size class of holdings	Estimated number of holdings (in lakhs) growing kharif jowar			
	Irrigated		Unirrigated	
	Number	%	Number	%
1	2	3	4	5
Below 1 ha.	0.29	2	3.71	27
1 to 2 ha.	0.24	2	4.56	43
2 to 4 ha.	0.34	3	5.74	46
4 to 10 ha.	0.58	5	6.54	52
10 ha. and above	0.23	6	2.07	54
All size classes	1.67	3	22.62	42

Note.—Percentages in columns 3 and 5 are based on the total estimated number of operational holdings in the respective size classes, given in Part II, (*ii*) Individual figures may not add up to the corresponding total due to rounding.

It is also of interest to note that within each of the last two size classes, over half the estimated total number of holdings were growing the dry crop.

(b) Average area under crop per holding

4.82. The table below gives the estimates of the average area under kharif jowar per holding in the different size classes based on the estimated number of jowar growing.

TABLE NO. 4.48

Size class of holding	Average area under kharif jowar per holding	
	Irrigated	Unirrigated
1	2	3
	ha.	ha.
Below 1 ha.	0.29	0.38
1 to 2 ha.	0.46	0.80
2 to 4 ha.	0.52	1.30
4 to 10 ha.	0.85	2.24
10 ha. and above	1.03	4.34
All size classes	0.65	1.60

As was to be expected, the average area under the irrigated crop per holding was quite low even in the big holdings. In case of dry crop, it varied from 0.4 ha. to 4.3 ha.

*Please *see* clarification given in paragraph No. 3.9 of Chapter-III.

(c) Number of holdings* receiving inputs

4.83. The relative popularity of the different inputs, as judged by the number of jowar-growing farmers applying the different inputs is brought out by the table below :—

TABLE NO. 4.49

Input	Number of holdings (in lakhs) benefited by inputs			
	Irrigated		Unirrigated	
	Number	%	Number	%
1	2	3	4	5
Ammonium sulphate	0.02	1	0.10	N
Superphosphate	0.01	N	0.17	N
Urea	0.88	53	5.09	23
Fertilizer mixtures	0.40	24	3.91	17
Farm yard manure	0.76	45	7.52	33
Compost	0.20	12	0.74	3
Pesticides—				
(*i*) Dusting	0.28	17	2.01	9
(*ii*) Spraying	0.30	18	2.71	12

N = Negligible (i.e. less than 1 per cent.)

Note.—The percentages are based on the number of holdings growing the irrigated/unirrigated crop given in Table No. 4.47.

It is seen that urea, fertilizer mixtures and farm yard manure were the major inputs popularly used by farmers for kharif jowar. Compost was also used by a small section of the farmers. Pesticide though not so widely applied, was an important input for this crop. Hence the size class-wise particulars of the above figures are given in the table below only in respect of the important inputs.

TABEL NO. 4.50

Size class of holdings	Percentage of holdings receiving different inputs								Pesticides by			
	Urea		Ferti. mixtures		F.Y.M.		Compost		Dusting		Spraying	
	I.	U.I.	I.	U.I.	I.	U.I.	I.	U.I.	I.	U.I.	I.	U.I.
1	2	3	4	5	6	7	8	9	10	11	12	13
Below 1 ha. ..	55	22	22	11	54	36	11	4	25	5	15	7
1 to 2 ha.	49	21	40	18	36	33	13	3	19	9	18	9
2 to 4 ha.	66	23	20	17	43	31	17	3	17	7	15	12
4 to 10 ha. ..	49	21	25	18	44	32	10	3	14	10	20	13
10 ha. and above ..	43	32	12	28	51	41	8	2	9	16	21	24
All size classes ..	53	23	24	17	45	33	12	3	17	9	18	12

Note.—The percentages are based on the number of holdings growing the irrigated/unirrigated crop given in Table No. 4.47.

The table has clearly brought out that even though the irrigated crop was grown on a very small scale yet efforts seem to have been made by a larger percentage of the irrigated jowar growers having holdings of different sizes to get higher crop yields by applying the fertilizers and manures to that crop. In case of the dry crop, the percentage of holdings receiving the different inputs was practically the same, generally, in the first four size classes being above 20, below 20 and about 33 in case of urea, fertilizer mixtures and farm yard manure respectively. Compost was applied to both the irrigated and unirrigated crops in a fairly appreciable (absolute) number of holdings in the first four size classes.

The percentage of irrigated holdings benefited by dusting in the individual size classes showed a downward trend from 25 to 9 with the increase in the size of the holdings showing that relatively more number of farmers in smaller holdings used this input. The proportionate number of holdings benefited by spraying in the different size groups did not show much variation.

* Hereafter, the expression " farmers/holdings " will refer to those growing the crop.

In case of the dry crop, the number of holdings receiving pesticides by dusting and spraying was proportionately higher in the bigger holdings (*i.e.* in the last two size classes) than that in the smaller holdings.

The above findings reveal that the recommendations made by the State Department of Agriculture relating to the use of major inputs seem to have been implemented by the farmers with holdings in different size classes.

(d) Extent of cultivation of hybrid Varieties

4.84. Kharif jowar is the only crop where the H.Y.V.P. has been implemented in the State to the widest extent due to the vigorous drive launched by the State Department of Agriculture. The size class-wise distribution of the area is given below:—

TABLE NO. 4.51

Size class of holdings	Area under kharif jowar (in lakh ha.)					
	Hybrid varieties		Other varieties		Total	
	I.	U.I.	I.	U.I.	I.	U.I.
1	2	3	4	5	6	7
Below 1 ha. ..	0.07 (77.8)	0.53 (37.5)	0.02 (22.2)	0.88 (62.5)	0.08 (100)	1.41 (100)
1 to 2 ha. ..	0.09 (87.5)	1.14 (31.3)	0.01 (12.5)	2.50 (68.7)	0.11 (100)	3.63 (100)
2 to 4 ha. ..	0.15 (83.6)	2.07 (27.8)	0.03 (16.4)	5.38 (72.2)	0.18 (100)	7.45 (100)
4 to 10 ha. ..	0.41 (83.6)	3.59 (24.5)	0.08 (16.4)	11.09 (75.5)	0.49 (100)	14.68 (100)
10 ha. and above ..	0.17 (72.6)	2.73 (30.4)	0.06 (27.4)	6.26 (69.6)	0.23 (100)	8.99 (100)
All size classes ..	0.39 (81.2)	10.06 (27.8)	0.21 (18.8)	26.11 (72.2)	1.09 (100)	36.16 (100)

Note.— (*i*) The figures in brackets are percentages based on the total irrigated/unirrigated area given in columns 6/7.
(*ii*) Individual figures may not add up to the corresponding total due to rounding.

The Input Survey data show that an area of about 10 lakh ha. (or nearly 28 per cent) of the unirrigated crop was under hybrid varieties and about 0.4 lakh ha. (or 81 per cent) of the irrigated crop was devoted to the cultivation of these varieties. Within the individual size classes, nearly 80 per cent or more of the area under irrigated crop generally was devoted to the cultivation of hybrid varieties. It appears that the departmental efforts to induce the farmers to cultivate hybrid varieties under irrigation wherever possible are reflected in the high percentage of the area under irrigation covered by these varieties. The official estimate of the total area under hybrid jowar was 13.88 lakh ha.

The proportionate area under the dry crop within the size classes devoted to the cultivation of hybrid varieties was higher in case of the marginal holdings indicating that the marginal farmers participated in the H.Y.V.P. for kharif jowar on a relatively appreciable scale.

An important feature brought out by the above table is that the area under each of the four categories of the crop was concentrated in the last three size classes to the extent of over 80 per cent.

(e) Relative extent of use of inputs

4.85. The area benefited by the different inputs is given in the table below except for the other varieties under irrigation, in view of the relatively low area thereunder:—

TABLE NO. 4.52

Input used	Area benefited under kharif jowar (in lakh ha.)					
	Hybrid varieties				Other varieties	
	I.		U.I.		U.I.	
1	Area 2	% 3	Area 4	% 5	Area 6	% 7
Ammonium sulphate	0.01	2	0.06	N	0.02	N
Superphosphate	M	N	0.14	1	0.05	N
Urea	0.45	50	4.54	45	0.72	3
Fertilizer mixtures	0.29	35	3.78	38	0.46	2
Farm yard manure	0.40	46	3.91	39	4.93	19
Compost	0.05	6	0.15	2	0.52	2
Pesticides—						
(*i*) Dusting	0.15	17	2.15	21	0.16	N
(*ii*) Spraying	0.21	23	2.70	27	0.10	N

(N = Negligible i.e. less than 1 per cent.) M=Meagre (i.e. less than 0.01 lakhs)

Note.—Percentages are based on the total area growing the irrigated/unirrigated crop given in Table No. 4.51.

It is seen that the hybrid varieties were benefited by different inputs generally in a much larger percentage area than the other varieties. Ammonium sulphate, superphosphate and compost had been used on a practically negligible scale for both the hybrid and other varieties. Hence the size class-wise distribution of the extent of use of the two major fertilizers and of farm yard manure is discussed below.

(f) Extent of use of major inputs according to size classes of holdings

4.86. (*i*) *Major fertilizers.*—The table below gives the size class-wise particulars of the extent of use of urea and fertilizer mixtures :

TABLE NO. 4.53

Size class of holdings	Percentage area under kharif jowar treated with				
	Urea			Fertilizer mixtures	
	Hybrid		Others	Hybrid	
	I.	U.I.	U.I.	I.	U.I.
1	2	3	4	5	6
Below 1 ha.	79	45	2	28	23
1 to 2 ha.	46	43	4	40	38
2 to 4 ha.	59	44	3	32	40
4 to 10 ha.	40	42	3	43	34
10 ha. and above	59	50	2	17	43
All size classes	50	45	3	35	38

Note.—The percentages are based on the area under the individual categories of the crop in the respective size classes given in Table No. 4.51.

The survey results have clearly shown that the farmers participating in the H.Y.V.P. had applied both the fertilizers on an appreciable scale irrespective of the size of the holdings. Though the percentage area under the dry crop benefited did not show much variation in the different size classes, yet in view of the concentration of the area under both the varieties in the last three size groups, the absolute area benefited in the bigger holdings was higher. It is also seen that urea was applied to a larger extent than fertilizer mixtures which may be attributed to the higher nitrogen content in the former.

4.87. (*ii*) *Organic manures.*—The size class-wise particulars regarding the use of farm yard manure and compost are given in the table below:—

TABLE NO. 4.54

Size class of holdings	Percentage area treated with organic manure			
	Farm yard manure			Compost
	Hybrid		Others	Others
	I.	U.I.	U.I.	U.I.
1	2	3	4	5
Below 1 ha.	66	34	31	2
1 to 2 ha.	42	37	20	2
2 to 4 ha.	52	37	17	1
4 to 10 ha.	35	39	18	3
10 ha. and above	59	42	20	2
All size classes	46	39	19	2

Note.—The percentages are based on the area under the individual categories of the crop in the respective size classes.

A notable feature brought out by the above table is that F.Y.M. was applied to hybrid varieties on an extensive scale and to the other varieties on an appreciable scale. Though the relative area manured under the dry crop both in case of hybrid and other varieties did not vary much in the different size classes, yet the (absolute) area benefited was more in the last three size classes.

The use of compost was to a negligible extent in all the size classes ; but major part of the area benefited was contributed by the 4th size group.

(g) Extent of use of pesticides

4.88. At the State level, about 17% of the irrigated area and 21% of the unirrigated area under hybrid varieties of kharif jowar were treated with pesticides by dusting and 23%, 27% respectively by spraying as can be seen from the table below :—

TABLE NO. 4.55

Variety	State total area treated with pesticides by			
	Dusting		Spraying	
	Irrigated	Unirrigated	Irrigated	Unirrigated
1	2	3	4	5
	ha.	ha.	ha.	ha.
Hybrid	14,712	2,14,501	20,600	2,69,932
	(16.6)	(21.3)	(23.2)	(26.8)
Others	21	16,318	21	9,895
	(0.1)	(0.6)	(0.1)	(0.4)
State Total	14,733	2,30,819	20,621	2,79,828
	(13.5)	(6.4)	(18.9)	(7.7)

Note.— (*i*) The individual figures may not aggregate to the total due to rounding.
(*ii*) The figures in brackets refer to percentages based on the total area under kharif jowar in the respective categories.

The other varieties (both irrigated and dry) received extremely scant attention in this regard. Hence the size class-wise distribution of the above table is given for hybrid varieties only.

TABLE NO. 4.56

Size class of holdings	Percentage area under hybrid varieties treated with pesticides by			
	Dusting		Spraying	
	I.	U.I.	I.	U.I.
1	2	3	4	5
Below 1 ha.	31	16	18	21
1 to 2 ha.	22	22	22	26
2 to 4 ha.	20	17	15	28
4 to 10 ha.	15	23	28	26
10 ha. and above	8	23	21	29
All size classes	17	21	23	27

Note.—The percentages are based on the area under the individual categories of the crop in the respective size classes.

4.89. It is seen that necessary steps had been taken by the farmers to protect the hybrid varieties against pests and diseases. In fact, plant protection measures were adopted on an appreciable scale irrespective of the size of holdings. This shows that farmers were well aware of the need for the use of this important improved agricultural practice to the extent possible.

It is of interest to note that the above findings conform to expectations also. Thus the hybrid jowar, being quite susceptible to pests and diseases, needs timely plant protection measures. It is gratifying to observe that the recommendations made by the Department of Agriculture and the efforts put in by the Agricultural Extension staff have been successful in achieving a satisfactory extent of use of the above important input.

REGIONWISE FINDINGS

4.90. The regionwise findings are summarised below separately in terms of number of holdings receiving the inputs under topic (A) and the area benefited under topic (B).

(A) NUMBER OF HOLDINGS RECEIVING INPUTS

(a) Number of kharif jowar growers in each region

4.91. The table below gives the number of farmers growing kharif jowar in the different regions of the State :—

TABLE NO. 4.57

Region	Estimated Number of farmers (in lakhs) growing kharif jowar			
	Irrigated		Unirrigated	
	Number	%	Number	%
1	2	3	4	5
I ..	..	..	..	..
II ..	1.12	7	5.03	30
III ..	0.13	2	2.45	45
IV ..	0.39	3	6.42	56
V ..	0.02	N	8.59	79
VI ..	..	..	0.14	3
State Total ..	1.67	3	22.62	42

N=Negligible *i.e.* less than 1 per cent.
Note.— (*i*) Individual figures may not aggregate to the corresponding total due to rounding.
(*ii*) The percentages are based on the estimated number of operational holdings given in Part II.

It is of interest to note that a very high percentage (*i.e.* nearly 80 per cent) of the farmers in Region-V grew the unirrigated crop while the corresponding percentages in Regions-III and IV were 45 and 56 respectively. The relative number of farmers growing the irrigated crop was, however, very low in all the regions.

Out of the nearly 23 lakhs farmers growing the unirrigated crop, over 20 lakhs were distributed in the Regions II, IV and V, the largest number of such farmers being found in Region-V. 1.67 lakh farmers in the State cultivated the crop under irrigation and two-thirds of these were located in Region-II and only one-fourth in Region-IV. Hence the size class-wise details of the above figures are given for these regions only.

(b) Number of jowar growing holdings according to size classes

4.92. The estimated number of jowar growing holdings according to size classes in the major regions is given below :—

TABLE No. 4.58

Size class of holdings	Number of holdings (in lakhs) growing kh. jowar											
	Region—II				Region—III		Region—IV				Region—V	
	I		U.I.		U.I.		I		U.I.		U.I.	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
1	2	3	4	5	6	7	8	9	10	11	12	13
Below 1 ha. ..	0.22	4	1.81	30	0.32	32	0.05	3	0.65	47	0.88	65
1 to 2 ha. ..	0.19	6	1.24	40	0.45	40	0.04	N	0.99	50	1.88	73
2 to 4 ha. ..	0.26	8	1.07	32	0.64	45	0.04	2	1.67	55	2.32	77
4 to 10 ha. ..	0.33	11	0.72	24	0.83	54	0.18	5	2.31	61	2.65	89
10 ha. and above	0.13	12	0.20	19	0.21	58	0.08	7	0.80	64	0.85	92
All size classes	1.12	7	5.03	30	2.45	45	0.39	3	6.42	56	8.59	79

Note.—(*i*) Percentages are based on the total estimated No. of operational holdings within the respective size classes given in Part-II.
(*ii*) Individual figures may not aggregate to the corresponding total due to rounding.
(*iii*) N=Negligible *i.e.* less than 1 per cent.

The distribution of the number of holdings over the size groups has brought out a contrasting situation in the major jowar growing regions. Thus in Region-II while 60 per cent of the (unirrigated) jowar holdings were small *i.e.* of size less than 2 ha. in Regions IV and V, nearly 60 per cent of the holdings were of size 2 to 10 ha.

(c) Number of farmers using inputs

4.93. The relative importance of different inputs used by the jowar growers in the regions is brought out by the table below :—

TABLE No. 4.59

Input	Percentage of holdings receiving inputs					
	Region—II		Region—III	Region—IV		Region—V
	I	U.I.	U.I.	I.	U.I.	U.I.
1	2	3	4	5	6	7
Ammonium sulphate ..	1	N	2	1	N	N
Superphosphate ..	N	N	2	..	N	N
Urea	64	32	39	17	11	22
Fertilizer mixtures ..	23	18	15	25	15	20
Farm yard manure ..	45	53	26	44	29	27
Compost	17	10	..	2	N	2
Pesticides—						
(*i*) Dusting ..	16	11	13	9	8	8
(*ii*) Spraying ..	13	11	6	25	11	15

N=Negligible *i.e.* below 1 per cent.
Note.— The percentages are based on the number of holdings growing the irrigated/unirrigated crop in the respective regions given in Part II.

The above table besides revealing the relative importance of urea, fertilizer mixtures and farm yard manure as the major inputs, has brought out the regional disparities in the use of the different inputs. Thus nearly two-thirds of the farmers growing the irrigated crop applied urea in Region-II only and over one-third of those growing the dry crop applied the input in Regions—II and III. On the other hand, the percentage of holdings benefited by the use of fertilizer mixtures and farm yard manure (except Region-II in case of F.Y.M.) was the same in different regions in case of the dry crop. Hence the size class-wise details of the above figures are further discussed only in respect of important inputs and the regions where they were used by an appreciable percentage of the growers.

4.94. (*i*) *Urea.*—The table below gives the percentage of the jowar growing holdings receiving urea in each size class.

TABLE No. 4.60

Size class of holdings	Percentage of farmers applying urea				
	Region—II		Region—III	Region—IV	Region—V
	I.	U.I.	U.I.	U.I.	U.I.
1	2	3	4	5	6
Below 1 ha.	65	29	25	14	14
1 to 2 ha.	57	36	40	9	13
2 to 4 ha.	70	36	45	7	21
4 to 10 ha.	65	27	35	11	24
10 ha. and above	57	23	51	19	43
All size classes	64	32	39	11	22

Note.—The above percentages are based on the total number of holdings growing irrigated/unirrigated crop in the respective size classes and regions given in the Table No. 4.58.

In Region-II due to the concentration of (dry) jowar holdings in the first three size groups and also higher percentage of holdings receiving urea in these size groups, it is clear that larger number of farmers with smaller holdings (of size less than 4 ha.) had applied the fertilizer.

In contrast in Region-III due to larger number of holdings in the bigger size groups (2 to 10 ha.) and fairly high percentage of holdings receiving the input, the crop in the third and fourth size groups got the benefit in greater number of holdings.

In Region-V the percentage of holdings benefited was higher in the last three size classes and was twice or even more than the corresponding percentages in the Region-IV.

4.95. (*ii*) *Fertilizer mixtures.*—Use of the input according to size classes of holdings is given in the table below :—

TABLE No. 4.61

Size class of holdings	Percentage of farmers applying fertilizer mixtures				
	Region—II		Region—III	Region—IV	Region—V
	I.	U.I.	U.I.	U.I.	U.I.
1	2	3	4	5	6
Below 1 ha.	19	12	15	5	12
1 to 2 ha.	46	29	17	12	14
2 to 4 ha.	24	16	16	16	18
4 to 10 ha.	18	20	14	15	21
10 ha. and above	8	8	17	22	42
All size classes	23	18	15	15	20

Note.—The above percentages are based on the number of jowar growing holdings in the respective regions and categories given in table No. 4.58.

The irrigated crop was applied with the fertilizer only in Region-II, but the (absolute) number of holdings benefited in the individual size classes was relatively meagre.

In Regions-III and IV, although the percentage of holdings receiving the input (in case of the dry crop) did not very much, yet as the number of holdings (of size 2 to 10 ha.) was much larger, more holdings in these size groups were benefited. In Region-V the percentage of holdings, benefited showed a slight upward trend with the increase in the size of holdings. Since the jowar holdings in these regions were also concentrated in the third and fourth size groups, larger number of holdings in these size groups got the benefit. This reveals the awareness on the part of the growers of the need to apply the input.

4.96. (*iii*) *Organic manures.*—The table below shows that about one-half of the number of holdings growing the dry crop in each of the first four size classes in Region-II and about one-fourth or more of the holdings in the individual size classes in the Regions-IV and V generally, received F.Y.M.

TABLE No. 4.62

Size class of holdings	Percentage of farmers applying organic manures					
	Farm yard manure					Compost
	Region—II		Region—III	Region—IV	Region—V	Region—II
	I.	U.I.	U.I.	U.I.	U.I.	U.I.
1	2	3	4	5	6	7
Below 1 ha	50	52	21	26	17	9
1 to 2 ha.	37	54	31	25	24	9
2 to 4 ha.	38	57	17	27	25	13
4 to 10 ha.	49	50	30	30	28	9
10 ha. and above ..	51	39	34	38	47	2
All size classes ..	45	53	26	29	27	10

Note.—The above percentages are based on the number of jowar growing holdings in the respective regions, categories and size classes given in Table No. 4.58.

The irrigated crop in the Region II was manured in a fairly high percentage of the holdings within most of the size groups.

Compost was applied on a relatively meagre scale to the dry crop.

4.97. (*iv*) *Pesticides.*—The table below gives the number of holdings receiving pesticides :—

TABLE No. 4.63

Size class of holdings	Percentage of holdings benefited by pesticides						
	Dusting			Spraying			
	Region—II	Region—IV	Region—V	Region—II		Region—IV	Region—V
	U.I.	U.I.	U.I.	I.	U.I.	U.I.	U.I.
1	2	3	4	5	6	7	8
Below 1 ha.	8	4	3	6	9	3	10
1 to 2 ha.	15	6	5	22	10	7	11
2 to 4 ha.	13	6	4	12	16	10	13
4 to 10 ha.	8	9	11	16	9	14	15
10 ha. and above ..	11	13	20	7	7	17	37
All size classes ..	11	8	8	13	11	11	15

Note.—The above percentages are based on the number of jowar growing holdings in the respective regions and categories given in Table No. 4.58.

Taking into consideration the concentration of large number of holdings in certain size groups in the Regions II, IV and V, the unirrigated crop was benefited due to plant protection measures in more number of holdings in the first three size groups of Region II and the last three size groups of Regions-IV and V.

(B) Extent of use of inputs in the Regions

(a) Extent of cultivation of hybrid varieties

4.98. The extent of cultivation of hybrid and other varieties of kharif jowar is given in the table below :—

TABLE No. 4.64

Region	Area under kharif jowar (in lakh ha.)					
	Hybrid		Other		Total	
	I.	U.I.	I.	U.I.	I.	U.I.
1	2	3	4	5	6	7
II ..	0.50	1.12	0.10	3.05	0.60	4.16
	(83)	(27)	(17)	(73)	(100)	(100)
III ..	0.06	1.85	0.08	1.08	0.13	2.93
	(43)	(63)	(57)	(37)	(100)	(100)
IV ..	0.31	3.63	M	9.19	0.32	12.82
	(97)	(28)	(3)	(72)	(100)	(100)
V ..	0.01	3.43	0.02	12.69	0.03	16.12
	(33)	(21)	(67)	(79)	(100)	(100)
VI ..	....	0.03	....	0.10	....	0.13
		(23)		(77)		(100)
State ..	0.89	10.05	0.21	26.11	1.10	36.16
	(81)	(28)	(19)	(72)	(100)	(100)

Note—Individual figures may not add up to the corresponding total due to rounding.
M. = Meagre (i.e. less than 0.01 lakhs ha.). Figures in the brackets are percentages based on col. 6/7 as the case may be.

Hybrid jowar was extensively grown in the Regions-IV and V which together accounted for 70 per cent of the total area under these varieties in the State. However, the percentage of the total dry jowar diverted to hybrid varieties was the highest (being 60 per cent) only in the Region-III while it was 30 per cent and over 20 per cent in the Regions-IV and V respectively. This reflects the efforts put in by the agricultural extension machinery in increasing the coverage of these varieties as also the response on the part of the farmers in the Region-III, particularly. Hence it will be of interest to discuss the findings of the Input Survey in respect of only the four Regions-II to V and in respect of irrigated crop only for the hybrid varieties in Regions-II and IV.

(b) Size class-wise distribution of area under hybrid and other varieties

4.99. The table below gives the size class-wise distribution of the area under kharif jowar according to the varieties :—

TABLE No. 4.65

Size class of holdings	Area under hybrid and other varieties of kh. jowar (in lakh ha.)									
	Region—II			Region—III		Region—IV			Region—V	
	Hybrid		Others	Hybrid	Others	Hybrid		Others	Hybrid	Others
	I.	U.I.	U.I.	U.I.	U.I.	I.	U.I.	U.I.	U.I.	U.I.
1	2	3	4	5	6	7	8	9	10	11
Below 1 ha. ..	0.05	0.16	0.37	0.08	0.05	0.01	0.15	0.17	0.14	0.29
	(77)	(30)	(70)	(62)	(38)	(95)	(47)	(53)	(32)	(68)
1 to 2 ha. ..	0.07	0.25	0.51	0.19	0.12	0.03	0.30	0.60	0.40	1.27
	(92)	(32)	(68)	(62)	(38)	(85)	(34)	(67)	(24)	(76)
2 to 4 ha. ..	0.11	0.31	0.81	0.44	0.20	0.03	0.70	1.75	0.60	2.59
	(93)	(28)	(72)	(69)	(31)	(100)	(29)	(71)	(19)	(81)
4 to 10 ha. ..	0.19	0.30	0.97	0.74	0.50	0.17	1.41	4.13	1.13	5.46
	(80)	(23)	(77)	(60)	(40)	(100)	(26)	(75)	(17)	(83)
10 ha. and above ..	0.09	0.10	0.39	0.40	0.23	0.07	1.06	2.54	1.15	3.09
	(79)	(21)	(79)	(64)	(36)	(100)	(30)	(71)	(27)	(73)
All size classes	0.50	1.12	3.05	1.85	1.08	0.31	3.63	9.19	3.43	12.69
	(83)	(27)	(73)	(63)	(37)	(98)	(28)	(72)	(21)	(79)

Note.—(*i*) Figures within the brackets are percentages based on the total irrigated unirrigated area under the crop within the respective size classes given in Part-II.
(*ii*) Individual figures may not add up to the corresponding total due to rounding.

The relative dry crop area diverted to hybrid varieties, within the different size groups shows that only in the Region-III it was 60 per cent or more. On the other hand, in the two major jowar Regions-IV and V and also in Region-II, the proportionate area diverted to hybrid jowar cultivation was generally about 30 per cent or less. In Regions-II and IV most of the irrigated area under the crop in the individual size groups was diverted to hybrid varieties.

The distribution of the area under the crop (under the different categories) over the size groups in the major Regions IV and V shows that two-thirds of the area was concentrated in the last two size groups.

(c) Extent of use of inputs

4.100. The relative extent of use of different inputs in the regions is given in the table below:—

TABLE No. 4.66

Input	Percentage area under knarif jowar receiving different inputs									
	Region-II			Region-III		Region-IV			Region-V	
	Hybrid		Others	Hybrid	Others	Hybrid		Others	Hybrid	Others
	I.	U.I.	U.I.	U.I.	U.I.	I.	U.I.	U.I.	U.I.	U.I.
1	2	3	4	5	6	7	8	9	10	11
Ammonium sulphate	1	..	N	2	N	3*	N	..	N	..
Superphosphate	N	N	..	2	2	..	1	..	2	N
Urea	67	59	7	56	14	18	23	N	58	3
Fertilizer mixtures	32	44	5	15	4	36	29	N	57	2
Farm yard manure	42	63	34	29	16	49	36	16	39	18
Compost	10	9	5	..	..	1	N	N	N	3
Pesticides—										
(*i*) Dusting	18	37	1	18	6	8	14	N	25	N
(*ii*) Spraying	16	36	N	9	N	31	21	..	40	N

Notes.—N=Negligible (*i.e.* less than 1 per cent).

*—The irrigated area here was very small and hence the percentages may not have been well determined.

It is noteworthy that the hybrid varieties received greater attention in the application of inputs in all the regions. The other varieties received relatively scant attention in this regard barring the application of farm yard manure.

The size class-wise distribution of the above figures is, therefore, discussed only in respect of the major inputs and regions where the area benefited was appreciable.

4.101. (*i*) *Urea.*—The extent of use of urea in case of hybrid varieties according to size classes of holdings is given in the table below:—

TABLE No. 4.67

Size class of holdings	Percentage area under hydrid varieties treated with urea				
	Region-II		Region-III	Region-IV	Region-V
	I.	U.I.	U.I.	U.I.	U.I.
1	2	3	4	5	6
Below 1 ha.	85	51	49	37	44
1 to 2 ha.	58	63	57	23	40
2 to 4 ha.	65	75	56	14	55
4 to 10 ha.	63	52	49	24	59
10 ha. and above	77	29	71	25	68
All size classes	67	59	56	23	58

Note.—The percentages are based on the area under the individual categories of the crop in the respective size classes.

The hybrid varieties were applied with urea to a large extent *i.e.* nearly 50 per cent or more in most of the size classes in Regions-II, III and V. Only in Region-IV the relative area benefited was lower being nearly one-fourth or more, generally. All the same, the crop in the last two size groups in the Regions-III, IV and V received larger benefit.

4.102. (*ii*) *Fertilizer mixtures.*—The area under the crop treated with fertilizer mixtures in case of the hybrid varieties according to size class is given below:—

TABLE NO. 4.68

Size class of holdings	Percentage area under hybrid varieties treated with fertilizer mixtures			
	Region-II	Region-III	Region-IV	Region-V
	U.I.	U.I.	U.I.	U.I.
1	2	3	4	5
Below 1 ha.	26	16	9	41
1 to 2 ha.	55	23	31	40
2 to 4 ha.	63	16	36	51
4 to 10 ha.	35	13	28	56
10 ha. and above	15	16	27	69
All size classes	44	15	29	57

Note.—The percentages are based on the area under the individual categories of the crop in the respective size classes.

The input was applied to the hybrid varieties on an appreciable scale in the Regions-II, IV and V only, while in the Region-III, the crop was treated in one-sixth of its area in each size group. In Region-V particularly it is of interest to note that the percentage area benefited in the individual size class increased with the increase in the size of holdings from 1 ha. Since the area under the crop was also concentrated in the bigger holdings (in the last three size groups), the extent of benefit by the input was also comparatively more in case of these holdings in the above regions.

4.103. (*iii*) *Farm yard manure.*—The extent of use of farm yard manure in the different regions is summarised in the table below (the estimates being presented only where the area under a particular category of the crop was adequate and the percentage area benefited exceeded 10)

TABLE NO. 4.69

Size class of holdings	Percentage area under kh. jowar treated with								
	Farm yard manure								Compost
	Region-II			Region-III	Region-IV		Region-V		Region-V
	Hybrid		Others	Hybrid	Hybrid	Others	Hybrid	Others	Others
	I.	U.I.	U.I.	U.I.	U.I.	U.I.	U.I.	U.I.	U.I.
1	2	3	4	5	6	7	8	9	10
Below 1 ha. ..	62	57	50	14	30	18	21	18	N
1 to 2 ha. ..	36	56	39	30	30	13	35	15	1
2 to 4 ha. ..	40	75	36	19	35	15	33	13	N
4 to 10 ha. ..	29	52	29	30	39	17	43	17	5
10 ha. and above	63	84	16	40	37	14	43	26	4
All size classes ..	42	63	34	29	36	16	39	18	3

N=Negligible *i.e.* less than 1 per cent.
Note.—The percentages are based on the area under the individual categories of the crop in the respective size classes.

It is seen that only in Region-II, more than half the area under hybrid varieties (dry) in the individual size classes was manured. One-third of the area in most of the size classes received manure in case of these varieties in the Regions-IV and V while it was lower in Region-III. In the remaining cases, the other varieties received scant attention. Thus, in Regions-IV and V, the percentage area under other varieties manured was half or even less than half of that of the corresponding percentage under hybrid varieties in the individual size classes.

Compost, it is seen, was applied to the (dry) other varieties on a meagre scale and that too in the last two size groups.

4.104. (*iv*) *Pesticides.*—As the hybrid varieties are susceptible to the attack by pests, application of pesticides is an essential input to prevent the crop getting damaged. From the table given below, it will be seen that pesticides were applied to the hybrid varieties on a relatively appreciable scale except in Region-III (in case of area sprayed) in the different size groups.

TABLE NO. 4.70

Size class of holdings	Percentage area under hybrid varieties treated with pesticides by							
	Dusting				Spraying			
	Region-II	Region-III	Region-IV	Region-V	Region-II	Region-III	Region-IV	Region-V
	U.I.	U.I.	U.I.	U.I.	U.I.	U.I.	U.I.	U.I.
1	2	3	4	5	6	7	8	9
Below 1 ha.	39	2	5	11	33	..	7	35
1 to 2 ha.	39	27	19	12	31	10	22	33
2 to 4 ha.	50	13	10	12	58	6	23	33
4 to 10 ha.	30	21	16	32	28	9	24	39
10 ha. and above	15	19	16	31	12	12	18	48
All size classes	37	18	14	25	36	9	21	40

The date shows that spraying the crop with pesticides was on a larger scale than by dusting in Regions-IV and V . One-third of the area under the hybrid varieties (dry) in most of the individual size classes was sprayed in the Regions-II and V. Hybrid varieties (dry) were dusted on an appreciable scale in the first four size classes in Region-II and in the last two size classes in Region-V.

CROP : COTTON

INTRODUCTION

4.105. Maharashtra is the most important cotton growing State in the country having an area of about 22 lakh ha.* (in 1976-77). The crop is mostly sown under rainfed conditions, the area under irrigated crop being hardly 0.7 lakh ha. (or about 3 per cent). According to official statistics the area covered under hybrid varieties was 2.8 lakh ha., most of this area being unirrigated.

4.106. The findings of the Input Survey are summarised for the State as a whole first and then for the regions in the following paragraphs.

STATE LEVEL FINDINGS

Number of holdings† growing the crop

4.107. Out of the estimated total number of 54** lakh holdings in the State, 9.34 lakh holdings (or 17.4 per cent) were growing the unirrigated crop, while the irrigated crop was grown in 0.75 lakh holdings (or 1.4 per cent).. It is therefore, clear that a very low percentage of the farmers irrigated the cotton crop. This is attributed partly to the fact that in Marathwada and Vidarbha regions (*i.e.* Regions-IV and V) where the crop is mostly grown, the rainfall is assured and adequate generally and the soils being heavy can retain soil moisture required for the crop growth.

*The figures quoted in this paragraph are based on the official statistics.
†Hereafter, the "number of holdings/farmers" will refer to those growing the crop.
**Please *see* clarification given in paragraph No. 3.9 of Chapter-III.

4.108. The table below gives the distribution of the holdings according to size classes :—

TABLE No. 4.71

Size class of holdings	Estimated number of holdings (in lakhs) growing cotton			
	Irrigated		Unirrigated	
	Number	%	Number	%
1	2	3	4	5
Below 1 ha.	0.05	N	0.44	3
1 to 2 ha.	0.14	1	1.32	12
2 to 4 ha.	0.16	1	2.41	19
4 to 10 ha.	0.22	2	3.76	30
10 ha. and above	0.17	5	1.42	37
All size classes	0.75	1	9.34	17

Note.—(i) N=Negligible *i.e.* less than 1 per cent.
(ii) Percentages in cols. 3 and 5 are based on the total estimated number of operational holdings in the respective size classes, given in Part–II.

The percentage of holdings growing the dry crop in the individual size groups showed an upward trend from 3 to 37 with the increase in the size of the holdings. It is therefore evident that proportionately larger number of the holdings in the bigger size groups grew cotton.

(b) Average area under cotton per holding

4.109. The table below gives the estimated average area under cotton per holding:—

TABLE No. 4.72

Size class of holdings	Average area under cotton per holding	
	Irrigated (ha.)	Unirrigated (ha.)
1	2	3
Below 1 ha.	0.16	0.54
1 to 2 ha.	0.23	0.84
2 to 4 ha.	0.40	1.24
4 to 10 ha.	0.59	2.34
10 ha. and above	1.18	4.38
All size classes	0.59	2.08

The average area under dry cotton per holding varied from 0.5 ha. to 4.4 ha. The corresponding average for irrigated cotton was considerably smaller in the different size classes varying from 0.2 ha. to 1.2 ha.

(c) Number of holdings receiving inputs

4.110. The table below brings out the relative popularity of the different inputs applied to cotton:—

TABLE No. 4.73

Input	Number of farmers (in lakhs) applying inputs			
	Irrigated		Unirrigated	
	Number	%	Number	%
1	2	3	4	5
Ammonium sulphate	0.02	3	0.06	N
Superphosphate	0.05	6	0.16	2
Urea	0.56	75	1.77	19
Fertilizer mixtures	0.25	34	1.48	16
Farm yard manure	0.22	29	3.76	40
Compost	....	....	0.20	2
Pesticides—				
(*i*) Dusting	0.18	23	0.66	7
(*ii*) Spraying	0.41	54	1.59	17

N=Negligible *i.e.* less than 1 per cent.
Note.—Percentages are based on the number of holdings growing the irrigated/unirrigated crop.

The use of inputs like ammonium sulphate, superphosphate and compost was found to be on a very meagre scale. On the other hand, urea, fertilizer mixtures, farm yard manure and pesticides had been applied by a larger number of the farmers both the irrigated and unirrigated crop. Hence further particulars are given below only in respect of the important inputs. However, in view of the considerable commercial importance attached to the irrigated long staple hybrid varieties of cotton crop in Maharashtra, the estimates relating to the use of the inputs are presented and discussed even where the number of holdings and area benefited were lower than the limits laid down for this purpose (in paragraph No. 4.4).

(d) Use of major inputs according to size classes of holdings

4.111. The extent of use of the major inputs according to size classes of holdings is presented below :—

TABLE NO. 4.74

Size class of holdings	Number of holdings (in lakhs) receiving inputs							
	Urea				Fertilizer mixtures			
	I.		U. I.		I.		U. I.	
	No.	%	No.	%	No.	%	No.	%
1	2	3	4	5	6	7	8	9
Below 1 ha.	0.05	98	0.06	14	0.01	12	0.06	13
1 to 2 ha.	0.09	63	0.25	19	0.05	38	0.18	14
2 to 4 ha.	0.13	81	0.38	16	0.07	45	0.30	12
4 to 10 ha.	0.20	87	0.71	19	0.08	34	0.60	16
10 ha. and above	0.10	56	0.37	26	0.05	26	0.33	23
All size classes	0.56	75	1.77	19	0.25	34	1.48	16

Farmyard manure				Pesticides by							
				Dusting				Spraying			
I		U. I.		I		U. I.		I		U.I.	
No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
10	11	12	13	14	15	16	17	18	19	20	21
0.01	27	0.13	29	0.02	39	0.03	6	0.04	72	0.07	16
0.03	24	0.53	40	0.02	17	0.12	9	0.07	52	0.19	15
0.05	29	0.93	39	0.04	28	0.13	5	0.09	52	0.35	14
0.08	37	1.47	39	0.06	26	0.27	7	0.12	53	0.61	16
0.04	25	0.70	49	0.03	17	0.11	8	0.09	54	0.37	26
0.22	29	3.76	40	0.18	23	0.66	7	0.41	54	1.59	17

Note.—Please *see* foot-note below Table No. 4.73.

A striking feature noticed in the above table is that in the irrigated farming in the different size classes, the farmers applied urea and pesticides by spraying generally on a relatively extensive scale to cotton. Thus nearly two-thirds or more of the holdings in most of the individual size groups received the important fertilizer urea and the crop in over half of them was sprayed with pesticides.

In case of the dry crop, the proportionate No. of holdings receiving urea, fertilizer mixtures and pesticides by spraying varied from 13 per cent to 26 per cent generally in the different size classes. Farm yard manure was applied to the crop in about 40 per cent of the holdings in most of the size classes. Moreover the (absolute) No. of holdings receiving the above inputs was larger in the last 3 size classes as compared to that in the smaller size groups.

(e) Extent of cultivation of hybrid varieties

4.112. Out of the total estimated area of 19.89 lakh ha. under cotton, hybrid varieties were grown to the extent of 5.28 lakh. ha. as can be seen from the table below. The coverage according to official statistics was 2.76 lakh ha.

The irrigated crop was grown in 0.44 lakh ha. most of which (i.e. to the extent of nearly 80 per cent) was devoted to the hybrid varieties, while about 25 per cent of the unirrigated area under the crop was under hybrid varieties. The size class-wise distribution of the area under the crop is given below:—

TABLE No. 4.75

Size class of holdings	Area under cotton (in lakh ha.)					
	Hybrid varieties		Other varieties		Total	
	I.	U. I.	I.	U. I.	I.	U.I.
1	2	3	4	5	6	7
Below 1 ha. ..	0.01	0.09	M	0.15	0.01	0.23
	(85.4)	(36.9)	(14.6)	(63.1)	(100)	(100)
1 to 2 ha. ..	0.02	0.42	0.01	0.76	0.03	1.18
	(71.9)	(35.5)	(28.1)	(64.5)	(100)	(100)
2 to 4 ha. ..	0.05	0.82	0.02	2.18	0.07	2.99
	(71.4)	(27.3)	(28.6)	(72.7)	(100)	(100)
4 to 10 ha. ..	0.10	2.16	0.03	6.64	0.13	8.80
	(76.1)	(24.6)	(23.9)	(75.4)	(100)	(100)
10 ha. and above ..	0.17	1.44	0.03	4.79	0.20	6.23
	(84.1)	(23.1)	(15.9)	(76.9)	(100)	(100)
All size classes ..	0.35	4.93	0.09	4.51	0.44	19.44
	(78.9)	(25.3)	(21.1)	(74.7)	(100)	(100)

Note.—(*i*) Figures in the brackets are percentages based on columns 6/7 as the case may be.
(*ii*) M = Meagre (i.e. less than 0.01 lakh ha).

It is seen that in the individual size classes of holdings most of the area under irrigated cotton was devoted to the hybrid varieties. In case of the unirrigated crop, a higher percentage of its area was diverted to hybrid varieties in case of the small holdings (of size less than 2 ha.) as compared with that in the bigger size groups.

The distribution of the total area under the different categories of the crop over the size classes shows that nearly three-fourths of it was concentrated in the last two size classes.

(f) Relative extent of use of inputs

4.113. The relative extent of use of the different inputs is given in the table below:—

TABLE No. 4.76

Input	Area under cotton (in lakh ha.) treated with—							
	Hybrid				Others			
	I.		U. I.		I.		U.I.	
1	2		3		4		5	
	Area	%	Area	%	Area	%	Area	%
Ammonium sulphate ..	0.04	11	0.04	N	..	..	0.04	N
Superphosphate	0.07	19	0.15	3	M	2	0.03	N
Urea	0.22	62	1.88	38	0.07	70	0.99	7
Fertilizer mixtures	0.15	43	1.63	33	0.01	16	0.70	5
Farm yard manure	0.13	38	2.29	46	M	5	5.20	36
Compost	..	..	0.20	4	..	..	0.22	2
Pesticides—								
(*i*) Dusting	0.10	29	0.75	15	0.01	1	0.29	2
(*ii*) Spraying	0.27	78	1.81	37	0.01	12	0.84	6

M = Meagre area (i.e. less than 0.01 lakh ha.)
N = Negligible (i.e. less than 1 %).
Percentages are based on the area under the different categories of crop given in Table No. 4.75

The above table has forcefully brought out that considerable attention was given to the hybrid varieties by the farmers in the application of a various inputs as compared with that to the other varieties. Thus, while one-third or more of the area under the hybrid varieties (both irrigated and unirrigated) received the major inputs, the percentage area benefited by the other varieties (dry) was very low except that due to F.Y.M. The irrigated area under other varieties was too low to merit any comment.

(g) Extend of use of major inputs according to size class of holdings

4.114. The tables below give the size class-wise particulars of the extent of use of major inputs for the cotton crop:—

(*i*) *Urea :*

TABLE No. 4.77

Size class of holdings	Area under cotton (in lakh ha.) treated with urea					
	Hybrid				Others	
	I		U.I.		U.I.	
	Area	%	Area	%	Area	%
1	2	3	4	5	6	7
Below 1 ha.	0.01	100	0.02	20	0.01	4
1 to 2 ha.	0.01	55	0.18	44	0.05	7
2 to 4 ha.	0.04	95	0.25	31	0.14	6
4 to 10 ha.	0.09	88	0.75	35	0.55	8
10 ha. and above	0.06	37	0.68	47	0.25	5
All size classes	0.22	62	1.88	38	0.99	7

(*ii*) *Fertilizer mixtures :*

TABLE No. 4.78

Size class of holdings	Area under cotton (in lakh ha.) treated with fertilizer mixtures					
	Hybrid				Others	
	I		U.I.		U.I.	
	Area	%	Area	%	Area	%
1	2	3	4	5	6	7
Below 1 ha.	M	10	0.02	25	M	1
1 to 2 ha.	0.01	36	0.12	28	0.04	5
2 to 4 ha.	0.04	77	0.19	23	0.07	3
4 to 10 ha.	0.05	51	0.64	30	0.37	6
10 ha. and above	0.05	30	0.66	46	0.22	5
All size classes ..	0.15	43	1.63	33	0.70	5

M = *Meagre* (*i.e.* less than 0.01 lakh ha).

Note.—Please *see* note below Table No. 4.76, for clarification regarding the percentages.

It is evident that the irrigated hybrid varieties were applied with both the fertilizers in a fairly high to a high percentage of the area indicating the eagerness on the par of the cotton growers to get a higher yield and hence a higher economic benefit from the crop. The (absolute) area benefited in the individual size classes was however quite low.

In case of the dry crop under both hybrid and other varieties the inputs were used in the last two size groups to a larger extent as compared with that in smaller size groups.

(iii) Farm yard manure

4.115. The table below gives the extent of use of farm yard manure according to size groups:—

TABLE No. 4.79

Size class of holdings	Area under cotton (in lakh ha.) treated with farm yard manure					
	Hybrid				Others	
	I		U.I.		U.I.	
	Area	%	Area	%	Area	%
1	2	3	4	5	6	7
Below 1 ha. ..	M	40	0.03	32	0.04	26
1 to 2 ha. ..	0.01	29	0.22	52	0.24	32
2 to 4 ha. ..	0.03	56	0.31	38	0.64	29
4 to 10 ha. ..	0.05	52	0.93	43	2.28	34
10 ha. and above ..	0.05	27	0.80	56	2.00	42
All size classes ..	0.13	38	2.29	46	5.20	36

Note.—Please *see* note below Table No. 4.76.

The unirrigated crop under hybrid and other varieties was manured fairly extensively, particularly in the last two size groups. The hybrid varieties under irrigation were manured to a very meagre extent (in terms of the absolute area).

4.116. *(iv) Pesticides.*—Hybrid cotton and other long staple varieties are susceptible to pests and diseases. But if timely and adequate plant protection measures are taken, then these varieties particularly those under irrigation give high yields. They fetch also high prices. Hence the farmers naturally adopt plant protection measures to the extent their resources permit. The Department of Agriculture has recommended a rigorous spraying schedule for treating these varieties with pesticides. It is in this context that the Input Survey estimates according to size classes of holdings given in the following table will be of considerable interest:—

TABLE No. 4.80

Size class of holdings	Area treated with pesticides by									
	Dusting				Spraying					
	Hybrid				Hybrid				Others	
	I		U.I.		I		U.I.		U.I.	
	Area	%	Area	%	Area	%	Area	%	Area	%
1	2	3	4	5	6	7	8	9	10	11
Below 1 ha. ..	M	12	0.01	6	0.01	92	0.02	19	0.02	13
1 to 2 ha. ..	M	14	0.09	21	0.01	53	0.10	25	0.06	8
2 to 4 ha.	0.01	27	0.07	8	0.04	85	0.19	23	0.13	6
4 to 10 ha.	0.05	48	0.30	14	9.08	77	0.73	34	0.36	5
10 ha. and above ..	0.03	20	0.29	20	0.14	80	0.77	53	0.27	6
All size classes ..	0.10	29	0.75	15	0.27	78	1.81	37	0.84	6

Note.—Please *see* note below Table No. 4.76 for clarification regarding percentages.
N=Negligible (*i.e.* less than 1 per cent).
M=Meagre (*i.e.* less than 0.01 lakh ha.).

The Input Survey data have forcefully brought to the surface the fact that the departmental recommendation for spraying of pesticides "as an essential input" to the irrigated cotton crop and the hybrid varieties (dry) was actually adopted by the farmers to a good extent. Thus the hybrid varieties in the different size classes were sprayed with pesticides to the extent of nearly 80 per cent or more in case of the irrigated crop and in case of the dry crop to the extent of one-third or less of its area generally.

A more important feature relating to the hybrid varieties is that in the last two size classes where their area was concentrated, the area benefited was also higher.

The area under other varieties (dry) covered by spraying was low being 8 per cent or below in most of the size classes.

REGIONWISE FINDINGS

4.117. The regionwise findings are summarised below separately under topic (A) in regard to the number of holdings receiving inputs and under topic (B) the area benefited.

(A) NUMBER OF HOLDINGS RECEIVING INPUTS

(a) Number of cotton growers

4.118. Among the different regions, the number of farmers growing cotton was much larger in the Regions-IV and V as can be seen from the table below:—

TABLE No. 4.81

Region	Number of holdings (in lakhs) growing cotton			
	Irrigated		Unirrigated	
	Number	%	Number	%
1	2	3	4	5
II	0.50	3	0.01	N.
III	0.07	1	0.50	9
IV	0.11	N	3.07	27
V	0.07	N	5.75	53
State	0.75	1	9.34	17

N=Negligible (*i.e.* less than 1 per cent).
Note.—Percentages are based on total estimated number of operational holdings in the respective regions given in Part-II.

Thus out of 9.34 lakh farmers growing dry cotton in the State, the highest number of 5.75 lakh growers were in Region-V and 3.07 lakhs in Region-IV—these two regions accounting for nearly 95 per cent of such cotton growers. The number of irrigated cotton growers in the State was relatively small being 0.75 lakh and two-thirds of them were in Region-II. Hence the findings of the Input Survey are discussed in the following paragraphs in respect of the Regions-III, IV and V for the unirrigated crop and Region-II for the irrigated crop.

4.119. The size class-wise distribution of the number of holdings in the above regions is presented below:—

TABLE No. 4.82

Size class of holdings	Number of farmers (in lakhs) growing cotton			
	Region-II	Region-III	Region-IV	Region-V
	I.	U.I.	U.I.	U.I.
1	2	3	4	5
Below 1 ha.	0.04 *	0.01 *	0.09 (6)	0.34 (25)
1 to 2 ha.	0.11 (4)	0.06 (5)	0.30 (15)	0.96 (37)
2 to 4 ha.	0.11 (3)	0.15 (11)	0.77 (26)	1.48 (49)
4 to 10 ha.	0.12 (4)	0.21 (14)	1.36 (36)	2.18 (73)
10 ha. and above	0.11 (11)	0.07 (19)	0.55 (44)	0.80 (86)
All size classes	0.50 (3)	0.50 (9)	3.07 (27)	5.75 (53)

*Negligible *i.e.* less than 1 per cent.
Note.—Figures in brackets indicate the percentages based on the total estimated number of operational holdings in the respective size classes and regions given in Part-II.

The percentage of holdings growing dry cotton within the individual size groups showed a steep upward trend in the Region V, while it was moderate in the remaining regions. In fact about three-fourths or more of the farmers in the last two size groups were cotton-growers in the Region-V.

In case of irrigated cotton, the total number of growers were distributed mostly and equitably in the last four size groups of Region-II.

(b) Number of holdings receiving inputs

4.120. The percentage of holding receiving different inputs is given in the table below, except for compost which was applied on a negligible scale:—

TABLE No. 4.83

Input	Number of holdings (in lakhs) benefited by							
	Region-II I		Region-III U.I.		Region-IV U.I		Region-V U.I.	
	No.	%	No.	%	No.	%	No.	%
1	2	3	4	5	6	7	8	9
Ammonium sulphate ..	0.02	4	0.03	6	0.01	N	0.01	N
Superphosphate ..	0.04	9	0.05	10	0.01	N	0.11	2
Urea	0.38	76	0.26	52	0.23	8	1.27	22
Fertilizer mixtures ..	0.08	16	0.10	21	0.29	9	1.08	19
F. Y. M.	0.07	14	0.17	33	1.05	34	2.53	44
Pesticides—								
(*i*) Dusting	0.07	13	0.07	14	0.12	4	0.47	8
(*ii*) Spraying	0.22	45	0.06	13	0.32	11	1.19	21

N=Negligible *i.e.* less than 1 per cent.
Note.—Percentages are based on the total number of holdings growing irrigated/unirrigated crop in each region given in Table No. 4.81.

Urea and F. Y. M. were the major inputs while fertilizer mixtures and pesticides came next in importance. The size class-wise particulars for these important inputs are given in tables below.

(c) Use of inputs in regions according to size classes of holdings

4.121. (*i*) *Urea, fertilizer mixtures and F. Y. M.*—The table below gives the percentage of holdings receiving the above inputs in each size class:—

TABLE No. 4.84

Size class of holdings	Number of farmers (in lakhs) using inputs									
	Urea				Fertilizer mixtures		Farm yard manure			
	Region-II I		Region-V U.I.		Region-V U.I.		Region-IV U.I.		Region-V U.I.	
	No.	%	No.	%	No.	%	No.	%	No.	%
1	2	3	4	5	6	7	8	9	10	11
Below 1 ha. ..	0.04	97	0.03	9	0.03	9	0.04	41	0.09	26
1 to 2 ha. ..	0.08	70	0.18	19	0.15	16	0.11	37	0.41	42
2 to 4 ha. ..	0.10	89	0.27	18	0.23	15	0.27	35	0.61	41
4 to 10 ha. ..	0.11	87	0.50	23	0.43	20	0.44	32	0.97	45
10 ha. and above ..	0.06	50	0.29	36	0.24	31	0.19	35	0.46	57
All size classes	0.38	76	1.27	22	1.08	19	1.05	34	2.53	44

Note.—The percentages are based on the number of holdings growing the irrigated/unirrigated crop in the respective size classes in each region.

The dry crop received both the fertilizers in an appreciable number of holdings only in the Region V and that too in the last three size groups in which the number of cotton growers was also relatively high.

The irrigated crop in Region-II received urea in 70 per cent or more of the holdings in each of the first four size classes thereby illustrating the importance attached to the irrigated cotton crop by the farmers irrespective of the size of holdings.

Farm yard manure was applied to the dry crop in the Regions-IV and V in about one-third and two-fifths of the number of holdings in most of the size groups respectively.

(d) Pesticides

4.122. The percentage of holdings receiving pesticides is given in the following table:—

TABLE NO. 4.85

Size class of holdings	Number of farmers (in lakhs) using pesticides by					
	Dusting		Spraying			
	Region-V		Region-II		Region-V	
	U.I.		I.		U. I.	
	No.	%	No.	%	No.	%
1	2	3	4	5	6	7
Below 1 ha.	0.01	2	0.03	67	0.05	14
1 to 2 ha.	0.09	9	0.05	44	0.16	17
2 to 4 ha.	0.10	7	0.04	39	0.29	19
4 to 10 ha.	0.19	9	0.04	34	0.43	20
10 ha. and above	0.09	12	0.06	53	0.27	34
All size classes	0.47	8	0.22	45	1.19	21

Note.—Please *see* note below Table No. 4.84 for clarification regarding percentages.

While the application of pesticides to the dry crop by dusting was observed in 0.5 lakh holdings in Region-V, that by spraying was done in a large number of holdings (*i. e.* 1.2 lakhs) and that too in the last three size groups of that region. The percentage of the holdings where the irrigated crop was sprayed in the different size classes of Region-II was relatively high.

(B) EXTENT OF USE OF INPUTS IN THE REGIONS

(a) Extent of cultivation of hybrid varieties

4.123. The extent of cultivation of hybrid and other varieties of cotton crop is given in the table below :—

TABLE NO. 4.86

Region	Estimated area (in lakh ha.) under cotton											
	Hybrid				Others				Total			
	I.		U.I.		I.		U.I.		I.		U.I.	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
1	2	3	4	5	6	7	8	9	10	11	12	13
II ..	0.18	77	..	..	0.05	23	0.01	100	0.24	100	0.01	100
III ..	0.05	76	0.25	31	0.01	24	0.57	69	0.07	100	0.82	100
IV ..	0.04	69	0.40	7	0.02	31	5.22	93	0.05	100	5.62	100
V ..	0.08	92	4.27	33	0.01	8	8.72	67	0.08	100	12.98	100
State ..	0.35	79	4.93	25	0.09	21	14.51	75	0.44	100	19.44	100

Notes.—(*i*) The percentages are based on the total irrigated/unirrigated area under the crop given in columns 10 and 12.
(*ii*) Individual figures may not add up to the corresponding total due to rounding.

An examination of the allocation of the total area under the crop to the hybrid varieties within the individual regions reveals that in case of the dry crop about one-third of the area was diverted to hybrid varieties in the Regions-III and V. Though the total area under irrigated cotton itself was quite small, a large part or most of it was diverted to hybrid varieties. Hybrid varieties of cotton were grown on a large scale only in the Region-V and that too as dry crop to the extent of over 85 per cent of the total area under these varieties in the State and on a very meagre scale in the Regions III and-IV. Out of the total irrigated area of 0.35 lakh ha. under irrigated hybrid varieties in the State, about 50 per cent was contributed by Region-II.

Regarding the other varieties, the irrigated area was negligible. Region-V had largest area of 8.7 lakh ha. under dry crop followed by the Region-IV where its area was 5.22 lakh ha. the rest of the area being mostly in Region-III. Hence the size class distribution of the above estimates is presented in the table below for the dry crop in the Regions-III, IV and V and for the irrigated crop in the Region-II.

TABLE No. 4.87

Size class of holdings	Area under cotton (in lakh ha.)						
	Region-II	Region-III		Region-IV		Region-V	
	Hybrid I	Hybrid U. I.	Others U.I.	Hybrid U. I.	Others U. I.	Hybrid U. I.	Others U. I.
1	2	3	4	5	6	7	8
Below 1 ha.	0.01	M	M	0.01	0.02	0.08	0.12
	(83)	(35)	(65)	(22)	(78)	(39)	(61)
1 to 2 ha.	0.02	0.02	0.03	0.02	0.21	0.38	0.52
	(71)	(38)	(62)	(9)	(91)	(42)	(58)
2 to 4 ha.	0.02	0.06	0.12	0.06	0.69	0.70	1.37
	(78)	(34)	(66)	(8)	(92)	(34)	(66)
4 to 10 ha.	0.03	0.10	0.28	0.18	2.46	1.88	3.89
	(62)	(27)	(73)	(7)	(93)	(33)	(67)
10 ha. and above ..	0.11	0.06	0.13	0.13	1.85	1.23	2.82
	(83)	(33)	(67)	(7)	(93)	(30)	(70)
All size classes ..	0.18	0.25	0.57	0.40	5.22	4.27	8.72
	(77)	(31)	(69)	(7)	(93)	(33)	(67)

M = Meagre being less than 0.01 lakh ha.

Notes.—(*i*) The figures in brackets are percentages based on the total irrigated/unirrigated area under the crop within the respective size classes given in Part-II.

(*ii*) Individual figures may not add up due to rounding.

In the major hybrid cotton Region-V, about one-third or more of the dry cotton area in each size class was diverted to hybrid cotton cultivation. In the remaining regions the area under hybrid cotton itself was low.

The distribution of the area under hybrid cotton over the size classes in Region-V reveals that over 70 per cent of its area in the region was contributed by the last two size groups. Similarly in respect of the other varieties, they were grown in the last two size groups in the major Regions-IV and V in nearly or about 80 per cent of their total area in the respective regions.

(b) Extent of use of inputs in the regions

4.124. The relative importance of the different inputs in the regions is brought out by the table below. Those regions and inputs have been excluded where the area benefited was relatively meagre.

TABLE No. 4.88

Area under cotton (in lakh ha.) treated with inputs

Input	Region-II		Region-III				Region-IV				Region-V			
	Hybrid		Hybrid		Others		Hybrid		Others		Hybrid		Others	
	Irrigated		Un-irrigated		Un-irrigated		Un-irrigated		Un-irrigated		Un-irrigated		Un-irrigated	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ammonium sulphate	0.04	20	0.02	6	0.03	6	M	N	M	N	0.02	N	M	N
Superphosphate ..	0.06	33	0.02	10	0.02	4	M	N	M	N	0.12	3	0.01	N
Urea	0.07	40	0.18	70	0.25	44	0.16	40	0.06	1	1.54	36	0.68	8
Fertilizer mixtures ..	0.03	16	0.09	34	0.07	12	0.24	59	0.02	N	1.31	31	0.61	7
Farm yard manure ..	0.02	11	0.09	37	0.19	33	0.18	45	1.45	28	2.00	47	3.57	41
Compost ..	..	..	..	..	0.05	9	0.03	7	M	N	0.18	4	0.16	2
Pesticides:														
(*i*) Dusting ..	0.01	7	0.06	25	0.01	3	0.07	18	M	N	0.61	14	0.27	3
(*ii*) Spraying ..	0.15	83	0.08	32	0.03	5	0.27	67	0.02	N	1.45	34	0.80	9

N=Negligible (*i.e.* less than 1 per cent.)
M=Meagre area (*i.e.* less than 0.01 lakh ha.)

Note.—The percentages are based on the total area under the respective categories of the crop given in Table No. 4.86.

Urea, fertilizer mixtures, farm yard manure and pesticides were the only inputs which had been used on an appreciable scale. Further details of the above estimates relating to these inputs are discussed in the next paragraphs.

(c) Extent of use of inputs according to size class of holdings

4.125. (*i*) *Urea and fertilizer mixtures.*—The extent of use of the above two important fertilizers in the different regions is summarised in the table below:—

TABLE NO. 4.89

Size class of holdings	Area under cotton (in lakh ha.) treated with								
	Urea						fertilizer mixtures		
	Region-II	Region-III		Region-IV		Region-V	Region-IV	Region-V	
	Hybrid I	Hybrid U. I.	Others U. I.	Hybrid U. I.	Hybrid U. I.	Others U. I.	Hybrid U. I.	Hybrid U. I.	Others U. I.
1	2	3	4	5	6	7	8	9	10
Below 1 ha. ..	0.01	M	M	0.01	0.01	M	0.01	0.02	M
	(100)	(100)	(73)	(93)	(13)	(3)	(95)	(21)	(1)
1 to 2 ha.	0.01	0.02	0.03	0.01	0.15	0.03	0.01	0.10	0.04
	(63)	(87)	(78)	(69)	(40)	(5)	(60)	(27)	(7)
2 to 4 ha.	0.02	0.04	0.03	0.02	0.18	0.10	0.02	0.15	0.06
	(98)	(69)	(25)	(41)	(26)	(8)	(41)	(21)	(4)
4 to 10 ha. ..	0.02	0.08	0.17	0.08	0.60	0.36	0.12	0.48	0.34
	(81)	(77)	(62)	(43)	(32)	(9)	(68)	(26)	(9)
10 ha. and above ..	0.01	0.03	0.02	0.04	0.60	0.19	0.07	0.57	0.18
	(10)	(54)	(12)	(30)	(49)	(7)	(54)	(46)	(6)
All size classes ..	0.07	0.18	0.25	0.16	1.54	0.68	0.24	1.31	0.61
	(40)	(70)	(44)	(40)	(36)	(8)	(59)	(31)	(7)

M = Meagre i.e. less than 0.01 lakh ha.

Notes.—(*i*) Figures in brackets are the percentages based on the area under the crop under the respective four categories in different size groups and regions given in Table No. 4.87.

(*ii*) Individual figures may not add up to the corresponding total due to rounding.

The area under hybrid cotton treated with urea and also in case of fertilizer mixtures was appreciable only in the Region-V. Here again, about 80 per cent of the area treated with either fertilizer was located in the last two size groups.

In case of the (dry) other varieties also, the area treated was appreciable only in the Region-V. Here also, over 80 per cent of the area was in the last two size groups only.

4.126. (*ii*) *Farm yard manure.*—The extent of use of farm yard manure in the different regions is summarised in the table below :—

TABLE NO. 4.90

Size class of holdings	Area under cotton (in lakh ha.) treated with F.Y.M.			
	Region-IV		Region-V	
	Hybrid U. I.	Others U. I.	Hybrid U. I.	Others U. I.
1	2	3	4	5
Below 1 ha.	M	0.01	0.02	0.03
	(60)	(30)	(31)	(25)
1 to 2 ha.	0.01	0.08	0.20	0.16
	(39)	(39)	(54)	(30)
2 to 4 ha.	0.02	0.19	0.26	0.42
	(41)	(28)	(37)	(31)
4 to 10 ha.	0.08	0.58	0.83	1.58
	(44)	(24)	(44)	(41)
10 ha. and above	0.06	0.59	0.69	1.37
	(48)	(32)	(56)	(49)
All size classes ..	0.18	1.45	2.00	3.57
	(45)	(28)	(47)	(41)

The footnotes below the Table No. 4.89 are applicable here also.

As in the case of the other inputs, hybrid varieties were manured more extensively in Region-V than in the other regions and this was mostly in the last two size groups which together accounted for 75 per cent of the manured area in that region.

Similarly, since other varieties were grown largely in the Regions-IV and V only, with their area concentrated in the last two size groups, the relative area manured was also high (*i.e.* about 80 per cent) in those size groups. In fact, in the Region-V the percentage area benefited within the individual size groups showed an upward trend from 25 to 49 with the increase in the size of holdings.

4.127. (*iii*) *Pesticides.*—The extent of use of pesticides both by dusting and spraying in the different regions is summarised in the table below:—

TABLE No. 4.91

Size class of holdings	Area under cotton (in lakh ha.) treated with pesticides by				
	Dusting		Spraying		
	Region-V	Region-II	Region-IV	Region-V	
	Hybrid	Hybrid	Hybrid	Hybrid	Others
	U.I.	I.	U. I.	U. I.	U. I.
1	2	3	4	5	6
Below 1 ha.	M (2)	0.01 (91)	M (81)	0.01 (15)	0.02 (15)
1 to 2 ha.	0.06 (17)	0.01 (48)	0.01 (48)	0.09 (24)	0.06 (11)
2 to 4 ha.	0.05 (8)	0.02 (73)	0.03 (51)	0.15 (22)	0.13 (10)
4 to 10 ha.	0.24 (13)	0.02 (85)	0.13 (75)	0.55 (29)	0.32 (8)
10 ha. and above	0.25 (21)	0.10 (89)	0.09 (67)	0.64 (52)	0.27 (10)
All size classes	0.61 (14)	0.15 (83)	0.27 (67)	1.45 (34)	0.80 (9)

Note.—The footnotes below the Table No. 4.89 are applicable here also.

Application of pesticides to the hybrid varieties by dusting was to a noticeable extent only in the Region-V and that too in the last two size groups.

The area under irrigated cotton treated by spraying in Region-II was proportionately high within the individual size groups, as was to be expected.

Unirrigated hybrid varieties were sprayed to a relatively large extent only in Region-V and the other varieties also to a fairly large extent in that region. As in the case of other inputs, a larger area under the crop, in case of both the varieties, was treated in the last two size groups accounting for 80 per cent and (nearly) 75 per cent respectively of the total treated area in the region.

CROP : RABI JOWAR

Introduction

4.128. Rabi jowar is the most extensively grown millet crop in the State with an area of over 32 lakh ha. The area under the irrigated crop in 1975-76 was nearly 4 lakh ha. (or about 12 per cent of the total area under the crop). The conditions under which the crop is grown differ from those of the jowar grown in the kharif season. Thus, the jowar raised in the kharif season is cultivated mostly in areas with assured and mode rate rainfall and its cultivation is spread out in several districts of the State though its area is concentrated in 13 districts. Rabi jowar on the other hand is grown to a larger extent in areas with relatively low rainfall with its area concentrated in 7 districts. The rabi crop is sown in September-October to utilise the available soil moisture the maximum

extent. The dry crop fetches hardly one-half of the yield of the irrigated crop. The area covered under hybrid varieties is comparatively very small being 0.60 lakh ha. (i.e. hardly 2 per cent of the total area). Due to fear of inadequacy of soil moisture at the subsequent stages of the crop growth, the farmers apply inputs, particularly fertilizers, on a a restricted basis, to the dry crop.

4.129. The findings of the Input Survey are given briefly in the subsequent paragraphs for the State as a whole and then for the regions.

STATE LEVEL FINDINGS

(a) Number of holdings @ growing the crop

4.130. Out of the estimated total number of 54* lakh operational holdings in the State, the dry crop was grown in 12.04 lakh holdings (or 22 per cent) and the irrigated crop in 2.93 lakh holdings (or 4 per cent).

The distribution of holdings according to the size classes is given in the table below:—

TABLE No. 4.92

Size class of holdings	Number of holdings (in lakhs) growing rabi jowar			
	Irrigated		Unirrigated	
	Number	%	Number	%
1	2	3	4	5
Below 1 ha.	0.41	3	1.44	10
1 to 2 ha.	0.43	2	1.91	18
2 to 4 ha.	0.73	6	3.11	25
4 to 10 ha.	0.89	7	4.05	32
10 ha. and above	0.48	11	1.55	41
All size classes	2.93	4	12.04	22

Note.—(*i*) The above percentages are based on the estimated total number of operational holdings in the respective size classes given in Part-II.
(*ii*) Individual figures. may not add up to the corresponding total due to rounding.

About 55 per cent or more of the holdings were of size 2 to 10 ha. Further, 28 per cent of the farmers were small holders with holdings of size less than 2 ha.

The percentage of holdings (growing the crop) within the size groups showed an upward trend from 10 to 41 in case of dry crop and 3 to 11 in case of the irrigated crop with the increase in the size of holdings, thereby showing that proportionately more number of the khatedars in the bigger size groups cultivated the crop.

(b) Average area under rabi jowar per holding

4.131. The estimated average area under the crop per holding is given below:—

TABLE No 4.93

Size class of holdings	Average area under rabi jowar per holding	
	Irrigated	Unirrigated
1	2	3
	ha.	ha.
Below 1 ha.	0.25	0.45
1 to 2 ha.	0.56	0.90
2 to 4 ha.	0.88	1.49
4 to 10 ha.	1.19	2.93
10 ha. and above.	2.18	5.51
All size classes	1.04	2.27

@ Hereafter the expression " farmers/holdings " will refer to those growing the crop.
* Please *see* clarification given in paragraph 3.9 of the Chapter-III.

An interesting feature noticed is that among the six crops covered by the Input Survey, the average area under rabi jowar per holding was consistently the highest in each of the last four size groups both in respect of the irrigated and dry crop. Such larger cultivation of the crop in each holding on an average is partly attributed to the fact that rabi jowar is the only major crop grown in the rabi season while 4 out of the remaining 5 crops under survey are grown in the kharif season.

(c) Number of holdings receiving inputs

4.132. The number of holdings receiving the different inputs is given below:—

TABLE NO 4.94

Input	Number of farmers (in lakhs) using inputs			
	Irrigated		Unirrigated	
	No.	%	No.	%
1	2	3	4	5
Ammonium sulphate	0.02	N	0.07	N
Superphosphate	0.10	3	0.03	N
Urea	0.57	19	0.23	2
Fertilizer mixtures	0.31	10	0.26	2
Farm yard manure	1.15	39	2.34	19
Compost	0.07	4	0.10	N
Pesticides—				
(*i*) Dusting	0.04	1	0.04	N
(*ii*) Spraying	0.05	2	0.04	N

N=Negligible (*i.e.* less than 1 per cent)

Urea and fertilizer mixtures were the major inputs in case of the irrigated crop and F.Y.M. for both the categories of the crop. Hence further particulars regarding the use of these inputs only are discussed below.

(d) Use of major inputs according to size classes of holdings

4.133. The table below gives the use of the major inputs according to size classes of holdings:—

TABLE NO. 4.95

Size class of holdings	Number of holdings (in lakhs) benefited by inputs					
	Urea		Fertilizer mixtures		Farm yard manure	
	I.	U. I.	I.	U. I.	I.	U. I.
1	2	3	4	5	6	7
Below 1 ha.	0.13 (33)	0.05 (4)	0.03 (8)	0.02 (1)	0.17 (41)	0.29 (20)
1 to 2 ha.	0.07 (15)	0.04 (2)	0.06 (13)	0.10 (6)	0.15 (34)	0.30 (16)
2 to 4 ha.	0.20 (27)	0.04 (1)	0.05 (6)	0.06 (2)	0.31 (42)	0.55 (18)
4 to 10 ha.	0.11 (13)	0.07 (2)	0.10 (11)	0.03 (1)	0.37 (42)	0.88 (22)
10 ha. and above	0.06 (13)	0.03 (2)	0.07 (15)	0.04 (3)	0.16 (33)	0.32 (21)
All size classes	0.57 (19)	0.23 (2)	0.31 (10)	0.26 (2)	1.15 (39)	2.34 (19)

Note.—The figures in brackets refer to percentages based on the number of holdings growing irrigated/unirrigated crop in the respective size classes.

The irrigated crop was applied with each of the two fertilizers in a much larger number as also percentage of holdings than the dry crop at the State level and also in most of the size classes. But the (absolute) area benefited in the different size groups was generally appreciable only in case of F.Y.M. which was applied to the dry crop in about one-fifth or less of the holdings and to the irrigated crop in 33 per cent to 42 per cent of the holdings the different size groups.

(e) Extent of cultivation of hybrid varieties

4.134. The table below gives the extent of cultivation of hybrid and other varieties of rabi jowar according to size classes of holdings:—

TABLE NO. 4.96

Size class of holdings	Area under rabi jowar (in lakh ha.)					
	Hybrid		Others		Total	
	I.	U. I.	I.	U. I.	I.	U. I.
1	2	3	4	5	6	7
Below 1 ha.	0.04	0.07	0.06	0.57	0.10	0.64
	(39.1)	(10.4)	(60.9)	(89.6)	(100)	(100)
1 to 2 ha.	0.07	0.16	0.18	1.56	0.24	1.72
	(26.9)	(9.4)	(73.1)	(90.6)	(100)	(100)
2 to 4 ha.	0.17	0.32	0.47	4.30	0.64	4.62
	(26.5)	(6.8)	(73.5)	(93.2)	(100)	(100)
4 to 10 ha.	0.24	0.56	0.81	11.28	1.06	11.85
	(23.2)	(4.8)	(77.0)	(95.2)	(100)	(100)
10 ha. and above	0.10	0.54	0.94	8.00	1.04	8.53
	(9.7)	(6.3)	(90.3)	(93.7)	(100)	(100)
All size classes ..	0.62	1.64	2.46	25.71	3.00	27.36
	(20.0)	(6.0)	(79.8)	(94.0)	(100)	(100)

Note.—(*i*) Individual figures of area may not aggregate to the total due to rounding.
(*ii*) The figures in the brackets refer to percentages based on the total irrigated/unirrigated area under the crop in columns 6/7.

Out of the total area of 30.4 lakh ha. under the crop in the State, hybrid varieties were grown in 2.26 lakh ha. the official estimate being 0.6 lakh ha. Only about 20 per cent of the irrigated crop and 6 per cent of the dry crop were under hybrid varieties. Out of the total area under these varieties, over one-fourth was irrigated.

The proportionate area devoted to the cultivation of other varieties within the individual size groups showed an upward trend from 63 per cent to 90 per cent in case of the irrigated crop and 90 per cent to 94 per cent in case of the unirrigated crop with the increase in the size of holdings. This indicates that the bigger khatedars devoted proportionately less area to the hybrid varieties than to the other varieties as compared with the small farmers.

The distribution of the total area under the other varieties among the five size groups shows that it was concentrated in the last two size groups—to the extent of 70 per cent and 75 per cent in case of the irrigated and dry crop respectively.

(f) Relative extent of use of inputs

4.135. The relative importance of the inputs as judged by the extent of their use is brought out by the table below:—

Table No. 4.97

Input	Area benefited (in lakh ha.) by							
	Hybrid				Others			
	I		U.I		I		U.I	
1	2	3	4	5	6	7	8	9
	Area	%	Area	%	Area	%	Aerea	%
Ammonium sulphate ..	0.01	1	....	....	0.02	*	0.18	*
Superphosphate	M	*	0.01	*	0.07	3	0.04	*
Urea	0.17	27	0.12	7	0.22	9	0.11	*
Fertilizer mixtures	0.07	12	0.02	1	0.20	8	0.37	2
Farm yard manure	0.21	34	0.15	9	1.00	40	4.90	19
Compost	....	....	M	*	0.10	4	0.16	*
Pesticides—								
(*i*) Dusting ..	0.03	4	0.01	*	M	*	0.03	*
(*ii*) Spraying	0.03	5	0.01	*	0.02	*	0.03	*

Note.—The percentages are based on the area under the respective categories of the crop.
* (*i.e* . less than 1 per cent)
M = Meagre (i.e. less than 0.01 lakh ha.)

The table reveals that F.Y.M. was the only input applied on an extensive scale and that too to the other varieties only. The area covered by the other inputs was small. Hence the further details are discussed below only for F.Y.M.

(g) Use of F.Y.M. in the different size classes

4.136. The proportionate area under rabi jowar applied with F.Y.M. in the different size groups is given below:—

TABLE NO 4.98

Size class of holdings	Area (in lakh ha.) under other varieties treated with farm yard manure			
	Irrigated		Unirrigated	
	Area	%	Area	%
1	2	3	4	5
Below 1 ha.	0.02	34	0.11	19
1 to 2 ha.	0.06	35	0.26	17
2 to 4 ha.	0.20	43	0.75	18
4 to 10 ha.	0.32	39	2.37	21
10 ha. and above	0.39	42	1.41	18
All size classes	1.00	40	4.90	19

Note.—The percentages are based on the area growing the irrigated/unirrigated crop in the respective size classes given in Table No. 4.96.
(*ii*) Individual figures may not add up to the corresponding total due to rounding.

The percentage area manured in the individual size groups did not vary much generally; but the (absolute) area benefited was comparatively more in case of the irrigated crop and much higher for the dry crop in the last two size groups.

REGIONWISE FINDINGS

4.137. The regionwise findings are summarised below separately in respect of the number of holdings receiving inputs under topic (A) and the area benefited under topic (B).

(A) NUMBER OF HOLDINGS RECEIVING INPUTS.

(a) Number of rabi jowar growers in regions

4.138. The estimated number of holdings in each region is given in the table below :—

TABLE NO. 4.99

Region	Number of holdings (in lakhs) growing rabi jowar			
	Irrigated		Unirrigated	
	Number	%	Number	%
1	2	3	4	5
I	0.09	2	....	..
II	2.21	13	5.01	30
III	0.05	N	1.02	19
IV	0.59	4	4.80	42
V	M	..	0.31	3
VI	M	..	0.89	22
State	2.93	4	12.04	22

Note.—The percentages in cols. 3 and 5 are based on the total estimated No. of operational holdings in the respective regions.
M=Meagre (*i.e.* less than 0.01 lakh)
N=Negligible (*i.e.* less than 1 per cent)

Out of the total number of nearly 3 lakh farmers growing the irrigated crop in the State, over 70 per cent were located in the Region-II. In case of the dry crop, about 5 lakh growers were located in each of the Regions-II and IV, which together accounted for over 80 per cent of the State total.

Though the number of holdings growing the dry crop constituted 22 per cent of the total number of operational holdings in the State, yet their proportion was much higher in the Regions-IV and II being 42 and 30 per cent respectively, while it was about one-fifth in each of the Regions-III and VI.

4.139. Hence, the size class-wise particulars of the above estimates are given in the table below in respect of the important regions (i.e. excluding the Regions I and V.)

TABLE NO. 4.100

Size class of holdings	Number of holdings (in lakhs) growing rabi jowar					
	Region-II		Region-III	Region-IV		Region-VI
	I	U.I.	U.I.	I.	U.I.	U. I.
	No.	No.	No.	No.	No.	No.
1	2	3	4	5	6	7
Below 1 ha.	0.29	0.78	0.15	0.04	0.36	0.11
	(5)	(13)	(16)	(3)	(26)	(7)
1 to 2 ha.	0.33	0.75	0.21	0.10	0.75	0.15
	(11)	(24)	(19)	(2)	(37)	(16)
2 to 4 ha.	0.56	1.25	0.24	0.14	1.26	0.25
	(17)	(37)	(17)	(5)	(42)	(29)
4 to 10 ha.	0.68	1.53	0.32	0.20	1.79	0.32
	(22)	(50)	(21)	(5)	(47)	(51)
10 ha. and above	0.35	0.71	0.10	0.11	0.64	0.07
	(34)	(68)	(27)	(9)	(51)	(61)
All size classes	2.21	5.01	1.02	0.59	4.80	0.89
	(13)	(30)	(19)	(4)	(42)	(22)

Note.—The figures in brackets are percentages based on the estimated number of operational holdings in the respective size classes in each region given in Part-II.

The distribution of the number of holdings over the different size groups shows that as in the case of other crops about 55 per cent or more of the total number of holdings were of size 2 to 10 ha. in all the regions for the dry crop and in Region-II for the irrigated crop. The percentage of holdings (growing the crop) within the individual size groups showed an upward trend, indicating that proportionately more number of bigger khatedars grew the crop.

(b) Number of rabi jowar growers using different inputs

4.140. The number of farmers using different inputs in the important rabi jowar regions is given in the table below:—

TABLE No. 4.101

Input	Number of holdings (in lakhs) treated with different inputs					
	Region -II		Region-III	Region-IV		Region-VI
	I.	U.I.	U.I.	I.	U.I.	U.I.
	No.	No.	No.	No.	No	No.
1	2	3	4	5	6	7
Ammonium sulphate	0.01 (N)	0.01 (N)	0.05 (5)	M (N)	M (N)	.. ..
Superphosphate	0.10 (5)	0.02 (N)	M (N)	M (N)	M (N)	M (N)
Urea	0.44 (20)	0.05 (1)	0.13 (13)	0.02 (3)	0.04 (N)	M (N)
Fertilizer mixtures	0.18 (8)	0.15 (3)	0.01 (1)	0.12 (20)	0.09 (2)	M (N)
Farm yard manure	0.89 (40)	0.98 (20)	0.10 (10)	0.15 (25)	1.00 (21)	0.18 (20)
Compost	0.05 (2)	0.03 (N)	M (N)	0·01 (2)	0.04 (N)	0.03 (3)
Pesticides—						
(*i*) Dusting	0.03 (1)	0.01 (N)	0.02 (2)	M (N)	0.02 (N)	.. ..
(*ii*) Spraying	0.04 (2)	M (N)	M (N)	M (N)	0.02 (N)	.. ..

M = Meagre (i.e. less than 0.01 lakh holdings).
N = Negligble *i.e.* less than 1 percent
Note.—The figuers in brackets are percentages based on the number of holdings growing the crop given in Table No. 4.99.

It is seen that the inputs had been applied on an appreciable scale only in case of urea to the irrigated crop in the Region-II and farm yard manure to both the categories in the Region-II and to unirrigated crop in the Region-IV. Further particulars according to size class are given in the table below in respect of the above cases only.

(c) Use of inputs according to size classes of holdings

4.141. The size class-wise distribution of number of holdings receiving urea and F. Y. M. in the regions where they had been used on an appreciable scale is presented below :—

TABLE No. 4.102

Size class of holdings	Percentage of farmers using inputs			
	Urea	Farm yard manure		
	Region-II	Region-II		Region-IV
	I.	I.	U. I.	U. I.
1	2	3	4	5
Below 1 ha.	22	29	23	18
1 to 2 ha.	20	41	15	21
2 to 4 ha.	29	45	15	21
4 to 10 ha.	14	45	23	21
10 ha. and above	16	34	22	21
All size classes	20	40	20	21

Note.—The percentages are based on the number of holdings growing the irrigated/unirrigated crop in the respective size classes given in Table No. 4.100.

It is seen that in the Region-II, a higher percentage i.e. 20 or more of holdings growing the irrigated crop in smaller size groups received urea.

In most of the size groups, farm yard manure was applied in over one-third of the holdings to the irrigated crop in the Region-II, while the dry crop in the Regions-II and IV received the input generally in about one-fifth of the holdings. In particular, since the number of holdings in the last three size groups was much larger in both these regions that benefited was comparatively more in these size classes.

(B.) Extent of use of Inputs in the Regions

(a) Extent of cultivation of hybrid varieties

4.142. The extent of cultivation of hybrid and other varieties of rabi jowar in the regions is given in the table below :—

Table No. 4.103

Region	Estimated area under rabi jowar (in lakh ha.)					
	Hybrid		Others		Total	
	I	U. I.	I.	U. I.	I.	U. I.
1	2	3	4	5	6	7
II	0.46	0.28	1.85	11.44	2.31	11.72
	(20)	(2)	(80)	(98)	(100)	(100)
III	0.04	0.27	0.01	1.31	0.05	1.58
	(73)	(17)	(27)	(83)	(100)	(100)
IV	0.12	1.04	0.60	11.08	0.72	12.12
	(17)	(9)	(84)	(91)	(100)	(100)
V	M	0.05	M	0.51	M	0.56
	(—)	(9)	(—)	(91)	(—)	(100)
VI	....	....	....	1.37	....	1.37
				(100)		(100)
State ..	0.62	1.64	2.46	25.71	3.09	27.35
	(20)	(6)	(80)	(94)	(100)	(100)

Note.—Figures in brackets refer to percentages based on the corresponding total irrigated/unirrigated area under the crop given in column 6/7.
M = Meagre (i.e. less than 0.01 lakh ha.)

It is evident that the cultivation of hybrid varieties was on a relatively low scale. The highest area of about 1 lakh ha. was recorded in the Region-IV and it was 9 per cent of the total area under the dry jower crop in that region. The hybrid varieties under irrigation were grown to the largest extent of 0.5 lakh ha. in Region-II and it formed 20 per cent of the irrigated area under the crop in that region.

The distribution of the area under unirrigated other varieties over the different regions shows that the crop was mostly grown in the Regions-II and IV to the extent of 43 per cent each of the State total area, the remaining area being distributed mostly in the Regions-III and VI.

(b) Size class-wise distribution of the area under rabi jowar

4.143. The table below gives the distribution of the area under rabi jowar according to size classes of holdings in the important regions:—

Table No. 4.104

Size class of holdings	Area under rabi jowar (in lakh ha.)							
	Region-II			Region-III	Region-IV			Region VI
	Hybrid	Others		Others	Hybrid	Others		Others
	I.	I.	U. I.	U. I.	U. I.	I.	U. I.	U. I.
1	2	3	4	5	6	7	8	9
Below 1 ha. ..	0.04	0.05	0.29	0.07	0.03	0.01	0.16	0.05
	(45)	(55)	(98)	(68)	(14)	(88)	(86)	(100)
1 to 2 ha. ..	0.05	0.12	0.63	0.12	0.08	0.06	0.68	0.10
	(29)	(71)	(97)	(67)	(11)	(79)	(89)	(99)
2 to 4 ha. ..	0.14	0.37	1.88	0.29	0.15	0.10	1.77	0.27
	(28)	(72)	(99)	(73)	(8)	(83)	(92)	(100)
4 to 10 ha. ..	0.19	0.62	4.52	0.57	0.38	0.18	5.26	0.66
	(23)	(77)	(97)	(92)	(7)	(83)	(93)	(100)
10 ha. and above ..	0.05	0.68	4.12	0.27	0.41	0.25	3.21	0.29
	(6)	(94)	(97)	(95)	(11)	(85)	(89)	(100)
All size classes	0.46	1.85	11.44	1.31	1.04	0.60	11.08	1.37
	(20)	(80)	(98)	(83)	(9)	(84)	(91)	(100)

Note.—Figures in brackets refer to percentages based on the corresponding total irrigated/unirrigated area in the respective regions and size groups given in Part-II.

It is clear that even in Region-IV where the area under hybrid varieties was relatively more, the proportionate area under these varieties in the individual size classes was low. Another feature of importance is that the State total area under each category was so distributed over the different size classes that nearly or about 80 per cent of it was contributed by the last two size groups.

(c) Relative importance of inputs used in regions

4.144. The table below summarises the size class-wise area under rabi jowar benefited due to different inputs.

TABLE NO. 4.105

Input	Area (in lakh ha.) treated with different inputs																	
	Region-II								Region-III		Region-IV						Region-VI	
	Hybrid				Others				Others		Hybrid		Others				Others	
	I.		U. I.		I.		U. I.		U. I.		U. I.		I.		U. I.		U. I.	
	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Ammonium sulphate ..	0.01	2	..	..	0.01	*	0.07	*	0.09	7	..	..	0.01	1	0.01	*	..	..
Superphosphate ..	M	*	M	2	0.07	4	0.03	*	0.01	*	..	..	..	..	..	..	..	..
Urea	0.14	30	0.01	3	0.21	11	0.04	*	0.03	2	M	*	0.01	2	0.03	*	M	*
Fertilizer mixtures ..	0.05	10	0.01	2	0.13	7	0.25	2	0.01	*	0.01	1	0.06	11	0.11	1	M	..
Farm yard manure ..	0.18	40	0.08	28	0.83	45	2.00	18	0.13	10	0.05	5	0.16	27	2.43	22	0.21	15
Compost	..	..	M	*	0.08	4	0.05	*	0.01	*	M	..	0.02	4	0.09	*	0.02	1
Pesticides—																		
(*i*) Dusting ..	0.01	3	0.01	2	M	*	0.01	*	0.01	*	M	*	..	..	0.01	*	..	..
(*ii*) Spraying ..	0.02	4	M	*	0.02	*	0.01	*	..	..	M	*	..	..	0.01	*	..	..

M = Meagre *i.e.* less than 0.01 lakh ha.

* Less than 1 per cent.

The percentages are based on the area under the respective categories of the crop in the concerned regions.

It is seen that urea was applied to the crop (irrigated other varieties) in Region-II only to a comparatively larger extent. Farm yard manure was applied more extensively to the (dry crop of) other varieties in the Regions-II and IV and to an appreciable extent to the irrigated crop also in the Region-II. Hence the size class-wise distribution of the above estimates is given in case of these inputs and regions only.

It is evident from the above, that rabi jowar was the only crop applied with the different inputs to a relatively very low extent.

(d) Use of urea and F.Y.M. according to size classes of holdings

4.145. The table below gives the use of urea and farm yard manure according to size class of holdings:—

TABLE NO. 4.106

Size class of holdings	Area under other varieties (in lakhs ha.) treated with							
	Urea		Farm yard manure					
	Region-II		Region-II				Region-IV	
	Irrigated		Irrigated		Unirrigated		Unirrigated	
	Area	%	Area	%	Area	%	Area	%
1	2	3	4	5	6	7	8	9
Below 1 ha. ..	0.01	28	0.02	33	0.05	16	0.03	19
1 to 2 ha. ..	0.01	7	0.06	49	0.09	14	0.14	21
2 to 4 ha. ..	0.05	14	0.18	49	0.25	13	0.39	22
4 to 10 ha. ..	0.06	10	0.26	41	0.85	19	1.26	24
10 ha. and above ..	0.08	11	0.31	46	0.76	19	0.60	19
All size classes ..	0.21	11	0.83	45	2.00	18	2.43	22

Note.—The percentages are based on the area under the respective categories of the crop and size classes in the concerned regions.

Urea was applied to the other varieties—even though irrigated—on a meagre scale in the individual size groups.

The relative extent of the area manured with farm yard manure in the different size groups did not vary much; but the distribution of the manured area over the different size classes shows that the crop was more extensively manured in the last two size groups in both Regions-II and IV.

CROP : WHEAT

Introduction

4.146. Wheat, though not a major crop of the State, enjoys considerable importance being the staple food particularly for the urban population. Hence, it receives special attention wherever grown. The total area under the crop in the State was about 12 lakh ha.** Among the different crops, wheat had the highest area under irrigation being about 5 lakh ha. (or 42 per cent of the total area under the crop). It is also the only crop for which the coverage under H. Y. V. P. is reported to be very high *i.e.* about 9 lakh ha. (or about 75 per cent of the total area under the crop). In fact, the introduction of the High Yielding Varieties Programme (H.Y.V.P.) a decade ago proved to be a boon to the cultivators due to the comparatively very high yields of the H.Y.V. obtained wherever intensive cultivation method was adopted along with irrigation.

It is in this context that the findings of the Input Survey summarised in the following paragraphs will prove to be of special interest, particularly in case of the irrigated wheat crop.

** Based on official statistics.

STATE LEVEL FINDINGS

(a) Number of farmers growing wheat

4.147. Out of the total estimated number of 54* lakh farmers in the State, those growing the crop underirrigation were 9.13lakhs(or 12 per cent) and under dry conditions were 5.37 lakhs (or 10 per cent). It will be of interest to note that wheat is the only crop having the largest number of irrigated crop growers. Again, though the same farmer may grow both the irrigated and dry crop; still the number of farmers growing irrigated wheat was much larger than that of the dry crop.

The distribution of the holdings of these farmers according to size classes is given below :—

TABLE NO. 4.107

Size class of holding	Number of holdings **(in lakhs) growing wheat			
	Irrigated		Unirrigated	
	Number	%	Number	%
1	2	3	4	5
Below 1 ha.	1.39	10.0	0.54	3.9
1 to 2 ha.	1.49	4.0	0.69	6.4
2 to 4 ha.	2.13	17.0	1.38	11.0
4 to 10 ha.	2.94	23.1	1.97	15.5
10 ha. and above	1.18	27.7	0.79	20.8
All size classes ..	9.13	11.5	5.37	10.0

Note.—The percentages are based on the total estimated number of operational holding in the respective size classes given in Part-II.

* Please see clarification given in paragraph 3.9 of Chapter-III.

**Hereafter, the expression " farmers/holding " will refer to those growing the crop.

The percentage of holdings growing the crop within the individual size classes showed a steady upward trend from 10 per cent to 28 per cent in case of the irrigated crop and 4 per cent to 21 per cent in case of the unirrigated crop, indicating that proportionately more number of big khatedars grew both (irrigated and dry) wheat as compared with the small farmers.

The distribution of the number of holdings over the size classes showed that the majority (i.e. over 55 per cent) of the wheat growers in the State (both in case of the irrigated and dry crop) had holdings of size 2 to 10 ha. and about 30 per cent or less of them had small holdings of size less than 2 ha.

(b) Average area under wheat per holding

4.148. The table below gives the estimated average area under wheat per holding :—

TABLE NO. 4.108

Size class of holdings	Average area under wheat per holding	
	Irrigated (ha.)	Unirrigated (ha.)
1	2	3
Below 1 ha.	0.28	0.23
1 to 2 ha.	0.42	0.48
2 to 4 ha.	0.54	0.62
4 to 10 ha.	0.80	1.09
10 ha. and above	1.16	1.77
All size classes ..	0.64	0.91

The average area under wheat per holding was much lower than that of cotton and millet crops covered by the survey. This is attributed to the fact that the total area under wheat was much less than that under the other crops. However, the difference in the average areas per irrigated and unirrigated wheat holding was much less as compared with that in case of other crops.

(c) Number of holdings receiving inputs

4.149. The percentage of holdings receiving different inputs is given below:—

TABLE NO. 4.109

Input	Number of holdings (in lakhs) receiving inputs			
	Irrigated		Unirrigated	
	Number	%	Number	%
1	2	3	4	5
Ammonium sulphate	0.11	1	0.02	N
Superphosphate	0.61	7	0.01	N
Urea	5.46	60	0.51	10
Fertilizer mixtures	3.55	39	0.15	3
Farm yard manure	1.70	19	0.99	18
Compost	0.26	3	0.08	2
Pesticides—				
(*i*) Dusting	0.21	2	0.04	N
(*ii*) Spraying	0.77	8	0.02	N

N=Negligible (*i.e.* less than 1 per cent).

Note.—Percentages are based on the number of holdings growing the irrigated/unirrigated crop in the State.

It is seen that urea, fertilizer mixtures and-F.Y.M. were the only three inputs used by a relatively large percentage of farmers. Superphosphate, compost and pesticides (by spraying) had also been used on a moderate scale. As was to be expected, the irrigated crop got much greater attention than the unirrigated crop in the use of input. Further particulars of the above estimates are discussed below only where the use of the inputs was on a substantial scale.

(d) Use of inputs according to size classes of holdings

4.150. The table below gives the number of wheat growing holdings receiving inputs in each size group.

TABLE NO. 4.110

Size class of holdings	Number of holdings (in lakhs) receiving inputs					
	Super-phosphate	Urea	Fertilizer mixtures	F.Y.M.		Pesticides by Spraying
	I	I	I	I	U.I.	I
1	2	3	4	5	6	7
Below 1 ha.	0.03	0.80	0.53	0.21	0.14	0.10
	(2)	(58)	(38)	(15)	(26)	(7)
1 to 2 ha.	0.09	0.94	0.52	0.20	0.10	0.08
	(6)	(63)	(35)	(14)	(14)	(5)
2 to 4 ha.	0.09	1.29	0.85	0.37	0.26	0.21
	(4)	(61)	(40)	(17)	(19)	(10)
4 to 10 ha.	0.30	1.74	1.17	0.61	0.35	0.22
	(10)	(59)	(40)	(21)	(18)	(8)
10 ha. and above	0.11	0.68	0.48	0.31	0.14	0.17
	(9)	(57)	(41)	(26)	(18)	(14)
All size classes	0.61	5.46	3.55	1.70	0.99	0.77
	(7)	(60)	(39)	(19)	(19)	(8)

Note.—(*i*) Figures in brackets indicate the percentages based on the number of holdings growing the irrigated/unirrigated crop.

(*ii*) Individual figures may not add up to the corresponding total due to rounding.

In case of irrigated wheat, it is seen that within each of the size groups, generally about 60 per cent of the holdings received urea and nearly 40 per cent received fertilizer mixtures. Farm yard manure was applied to both the irrigated and dry crop in only about one-sixth of the holdings or more in the different size groups. The percentage of irrigated holdings benefited by superphosphate and pesticides (by spraying) in the individual size classes was relatively very low being 10 or less generally.

Though the percentage of holdings receiving the major inputs in the individual size classes was practically the same, yet more holdings of size 2 to 10 ha. were benefited.

The Input Survey data have confirmed the field reports that the major items of intensive cultivation method were adopted by a large percentage of the farmers in case of irrigated wheat.

(e) Use of High Yielding Varieties (H.Y.V.)

4.151. The extent of cultivation of H.Y.V. and other varieties of wheat is summarised in the table below:—

TABLE NO. 4.111

Size class of holdings	Area under wheat (in lakh ha.)					
	H. Y. V.		Others		Total	
	I.	U. I.	I.	U. I.	I.	U. I.
1	2	3	4	5	6	7
Below 1 ha.	0.21 (55.5)	0.02 (12.5)	0.17 (44.9)	0.11 (87.5)	0.38 (100)	0.13 (100)
1 to 2 ha.	0.40 (64.2)	0.07 (20.8)	0.22 (35.8)	0.26 (79.2)	0.63 (100)	0.33 (100)
2 to 4 ha.	0.71 (61.8)	0.06 (7.5)	0.44 (38.2)	0.79 (92.5)	1.15 (100)	0.86 (100)
4 to 10 ha.	1.58 (67.4)	0.24 (11.2)	0.76 (32.6)	1.91 (88.8)	2.34 (100)	2.15 (100)
10 ha. and above	1.01 (73.5)	0.09 (6.0)	0.36 (26.5)	1.31 (93.4)	1.37 (100)	1.40 (100)
All size classes	3.91 (66.6)	0.48 (9.9)	1.96 (33.4)	4.39 (90.1)	5.87 (100)	4.87 (100)

Note.— (*i*) The figures in brackets refer to percentages based on the corresponding total irrigated/unirrigated area given in columns 6/7.
(*ii*) The individual area figures may not add up to the corresponding total due to rounding.

Out of the total estimated area of 10.74 lakh ha. under wheat as obtained from the Input Survey sample, the H.Y.V. were grown in 4.39 lakh ha. and that too mostly under irrigation. As against this, the official estimates of the coverage under H.Y.V. (based on the achievement reports sent by the Zilla Parishads) was much higher being 9.23 lakh ha. The wide disparity between the two sets of figures needs further examination.

The above table shows that in the case of the irrigated crop, the percentage area under H.Y.V. within each size group was higher than that under other varieties. Further, the percentage area under H.Y.V. within the size groups increased with the increase in the size of the holdings followed by decrease in the relative area under other varieties. This shows that the bigger khatedars diverted much more area under the irrigated crop to the H.Y.V. than the small holders.

The proportionate area devoted to the unirrigated H.Y.V. within the size groups was relatively quite low.

(f) Use of inputs

4.152. The relative extent of use of different inputs is given in the table below:—

TABLE NO. 4.112

Input	Area (in lakh ha). treated with			
	H. Y. V.		Others	
	I.	U. I.	I.	U. I.
1	2	3	4	5
Ammonium sulphate	0.11 (3)	0.02 (4)	N (N)	N ..
Superphosphate	0.45 (12)	N (N)	0.15 (7)	N (N)
Urea	2.90 (74)	0.14 (29)	0.85 (43)	0.33 (8)
Fertilizer mixtures	2.21 (57)	0.05 (11)	0.49 (25)	0.14 (3)
Farm yard manure	0.72 (19)	0.09 (19)	0.26 (13)	0.70 (16)
Compost	0.03 (N)	N (N)	0.05 (3)	0.12 (3)
Pesticides—				
(*i*) Dusting	0.20 (5)	0.01 (3)	0.03 (2)	0.02 (N)
(*ii*) Spraying	0.60 (15)	0.02 (4)	0.06 (3)	0.01 (N)

(N=Negligible)
Note.—The figures given in brackets refer to the percentages based on the total area under irrigated/unirrigated wheat.

It is seen that the fertilizers were applied mostly to the irrigated crop and that too with special preference to the H.Y.V. The unirrigated crop received scant attention in this respect. Among different inputs, urea and fertilizer mixtures were applied on a more extensive scale and superphosphate to a limited extent. F.Y.M. and pesticides (by spraying) were used on a moderate scale.

Further detailed of the above estimates are given in the following paragraphs for those inputs applied to a substantial extent and categories of the crop benefited to an appreciable extent.

(g) Use of inputs according to size classes of holdings

4.153. (*i*) *Superphosphate.*—The size class-wise distribution of the use of superphosphate is given in the table below:—

TABLE NO. 4.113

Size class of holdings	Area (in lakh ha.) under H.Y.V. treated with superphosphate	
	Irrigated	
	Area	%
1	2	3
Below 1 ha.	0.01	3
1 to 2 ha.	0.03	8
2 to 4 ha.	0.01	2
4 to 10 ha.	0.27	17
10 ha. and above	0.13	13
All size classes ..	0.45	12

Note.—The percentages are based on the area under irrigated H.Y.V. in the respective size classes.

Superphosphate was applied to only the H.Y.V. under irrigation on a relatively appreciable scale and that too only to the crop in the last two size groups.

4.154. (*ii*) *Urea and fertilizer mixtures.*—The table below gives the size class-wise extent of use of the two fertilizers:—

TABLE NO. 4.114

Size class of holdings	Irrigated area (in lakh ha.) treated with							
	Urea				Fertilizer mixtures			
	H. Y. V.		Others		H. Y. V.		Others	
	Area	%	Area	%	Area	%	Area	%
1	2	3	4	5	6	7	8	9
Below 1 ha.	0.15	72	0.08	48	0.12	54	0.05	31
1 to 2 ha.	0.31	77	0.12	55	0.22	55	0.05	22
2 to 4 ha.	0.54	76	0.21	48	0.47	67	0.11	25
4 to 10 ha.	1.18	75	0.28	36	0.84	53	0.18	24
10 ha. and above	0.72	71	0.15	42	0.56	56	0.10	27
All size classes	2.90	74	0.85	43	2.21	57	0.49	25

Note.—(*i*) The above percentages are based on the total area under the respective categories of the crop given in the Table No. 4.111.
(*ii*) Individual figures may not add up to the corresponding total due to rounding.

An important feature observed is that the farmers irrespective of the size of holdings had applied urea and fertilizer mixtures to the irrigated H.Y.V. extensively to most of the size groups, the area benefited being over 70 per cent and over 50 per cent respectively. It is also evident that the extent of application of urea to the irrigated crop (under H. Y. V. and other varieties) in each size group was considerably higher than the corresponding area benefited due to fertilizer mixtures.

Further the crop in the last three size classes (of both the categories) was benefited to a larger extent than that in the smaller holdings.

4.155. (*iii*) *Farm yard manure.*—The size class-wise distribution of the use of F.Y.M. is given in the table below:—

TABLE NO. 4.115

Size class of holdings	Area treated (in lakh ha.) with F.Y.M.			
	H. Y. V.		Others	
	Irrigated		Unirrigated	
	Area	%	Area	%
1	2	3	4	5
Below 1 ha.	0.03	14	0.04	33
1 to 2 ha.	0.05	13	0.05	18
2 to 4 ha.	0.15	21	0.14	17
4 to 10 ha.	0.30	19	0.24	13
10 ha. and above	0.20	20	0.24	18
All size classes	0.72	19	0.70	16

Note.—(*i*) The above percentages are based on the total area under the respective categories of the crop given in the individual size classes.
(*ii*) Individual figures may not add up to the corresponding total due to rounding.

It is seen that the farmers applied F.Y.M. generally to the extent of about one-fifth or less of the area under irrigated H.Y.V. and unirrigated other varieties, in most of the size classes.

4.156. (*iv*) *Use of pesticides.*—The size class-wise particulars of the use of pesticides are given only in respect of spraying of the H.Y.V. as in this *case* only, the input had been used to a substantial extent.

TABLE NO. 4.116

Size class of holdings	Irrigated area under H.Y.V. (in lakh ha.) treated with pesticides by Spraying	
	Area	%
1	2	3
Below 1 ha.	0.03	12
1 to 2 ha.	0.04	10
2 to 4 ha.	0.10	14
4 to 10 ha.	0.20	13
10 ha. and above	0.24	23
All size classes	0.60	15

Note.—(*i*) The above percentages are based on the total area under irrigated H.Y.V. in the individual size classes.
(*ii*) Individual figures may not add up to the corresponding total due to rounding.

The proportionate area treated in all the size groups (except last size group) was much smaller.

REGIONWISE FINDINGS

4.157. Region-wise findings are summarised in the following paragraphs separately under topic (A) in regard to the number of holdings receiving the inputs and under topic (B) the area benefited.

(A) NUMBER OF HOLDINGS RECEIVING INPUTS IN REGIONS

(a) Number of wheat growers

4.158. The table below gives the estimated number of farmers growing wheat in the different regions:—

TABLE NO. 4.117

Regions	Number of holdings (in lakhs) growing wheat			
	Irrigated		Unirrigated	
	Number	%	Number	%
1	2	3	4	5
II	4.01	24	1.10	7
III	1.40	26	0.47	9
IV	1.76	13	1.76	15
V	1.71	5	1.13	10
VI	0.25	6	0.91	23
State	9.14	17	5.37	10

Note.—(*i*) Individual figures may not add up to the corresponding total due to rounding.
(*ii*) Percentages are based on the estimated number of operational holdings in the respective regions given in Part-II.

The col. No. 3 of the table shows that about one-fourth of the total number of farmers within each of the Regions-II and III grew wheat under irrigation while the proportion was much lower in case of the Region-IV, being about one-seventh. Similarly the unirrigated crop was grown by nearly one-fourth of the farmers in the Region-VI while the proportion of such farmers was much lower in the other regions.

It is seen that the largest number of farmers growing irrigated wheat in the State (*i.e.* nearly 45 per cent) were from Region-II. In case of the dry crop, about one-fifth to one-third of the holdings were distributed in each of the Regions-II, IV, V and VI.

(b) Number of holdings according to size groups

4.159. The size class-wise distribution of the holdings in the regions is given in the following table:—

TABLE NO. 4.118

Size class of holdings	Number of holdings (in lakhs)									
	Region-II		Region-III		Region-IV		Region-V		Region-VI	
	I.	U.I.	I.	U.I.	I.	U.I.	I.	U.I.	I.	U.I.
1	2	3	4	5	6	7	8	9	10	11
Below 1 ha.	0.86	0.20	0.16	0.02	0.12	0.08	0.20	0.11	0.05	0.14
	(14)	(3)	(17)	(2)	(9)	(6)	(15)	(8)	(3)	(9)
1 to 2 ha.	0.80	0.16	0.22	0.09	0.22	0.16	0.20	0.14	0.05	0.14
	(25)	(5)	(20)	(8)	(5)	(8)	(1)	(5)	(7)	(14)
2 to 4 ha.	0.96	0.24	0.31	0.13	0.42	0.47	0.37	0.29	0.08	0.25
	(29)	(7)	(21)	(9)	(14)	(15)	(12)	(10)	(9)	(30)
4 to 10 ha.	0.99	0.37	0.56	0.17	0.70	0.73	0.63	0.38	0.06	0.31
	(32)	(12)	(36)	(11)	(19)	(19)	(21)	(13)	(9)	(51)
10 ha. and above ..	0.41	0.13	0.14	0.05	0.30	0.33	0.31	0.22	0.01	0.07
	(39)	(12)	(39)	(14)	(25)	(26)	(23)	(24)	(11)	(63)
All size classes ..	4.01	1.10	1.40	0.47	1.76	1.76	1.71	1.13	0.25	0.91
	(24)	(7)	(26)	(9)	(13)	(15)	(5)	(10)	(6)	(23)

****Note.**—Please *see* footnote below table No. 4. 117.

The pattern of distribution of the holdings in the major wheat Region-II differed from that in the remaining 2 important regions of IV and V. Thus, in Region-II the holdings growing the crop were mostly found in first 4 size classes and that too equally distributed among those classes. In the other two regions, however, the wheat holdings were concentrated in the last 3 size groups. A common feature noticed in all the regions both in respect of irrigated and unirrigated crop is that nearly 50 per cent or more of the total number of holdings in the respective regions were located in the 3rd and 4th size groups.

(c) Number of holdings receiving inputs

4.160. The relative importance of the various inputs in the different regions is brought out by the table below:—

TABLE NO. 4.119

Input	Number of holdings (in lakhs) receiving different inputs									
	Region-II		Region-III		Region-IV		Region-V		Region-VI	
	I.	U.I.	I.	U.I.	I.	U.I.	I.	U.I.	I.	U.I.
1	2	3	4	5	6	7	8	9	10	11
Ammonium sulphate ..	0.02	....	0.06	0.01	N	N	0.03	....	N	.....
	(N)	(—)	(4)	(3)	(N)	(N)	(2)	(—)	(2)	(—)
Superphosphate ..	0.28	N	0.08	....	0.12	N	0.13	N	0.01	....
	(7)	(N)	(6)	(—)	(7)	(N)	(8)	(N)	(3)	(—)
Urea	2.21	0.15	1.13	0.14	0.74	0.03	1.34	0.13	0.04	0.06
	(55)	(14)	(81)	(30)	(42)	(2)	(78)	(12)	(14)	(7)
Fertilizer mixtures ..	1.19	0.02	0.48	0.03	0.67	0.02	1.16	0.06	0.05	0.02
	(30)	(2)	(34)	(8)	(38)	(1)	(68)	(5)	(22)	(2)
F.Y.M.	0.64	0.24	0.26	0.07	0.30	0.28	0.44	0.26	0.06	0.13
	(16)	(22)	(19)	(16)	(17)	(16)	(26)	(23)	(25)	(15)
Compost	0.24	0.03	N	....	0.02	0.01	....	0.04	.....	....
	(6)	(3)	(N)	(—)	(N)	(N)	(—)	(4)	(—)	(—)
Pesticides—										
(*i*) Dusting ..	0.07	0.01	0.03	0.02	0.07	....	0.04	0.01	N	....
	(2)	(1)	(3)	(4)	(4)	....	(2)	(N)	(1)	(—)
(*ii*) Spraying ..	0.37	....	0.08	....	0.09	....	0.22	0.01	N	N
	(19)	(—)	(6)	(—)	(5)	(—)	(13)	(1)	(2)	(N)

N=Negligible.

Note.—Figures in brackets are percentages based on the number of holdings growing the irrigated/unirrigated crop given in Table No. 4.118.

It is clear that the wheat growers generally gave much greater attention to the irrigated crop in the use of the inputs. The major inputs used in the different regions were urea, fertilizer mixtures and F.Y.M. only, though superphosphate, compost and pesticides (by spraying) were applied in a few of the regions on a limited scale. Hence size class-wise particulars are given below for these inputs applied to the irrigated crop only.

(d) Use of inputs according to size groups

4.161. (*i*) *Superphosphate.*—The size class-wise distribution of the number of irrigated holdings receiving superphosphate is given in the table below:—

TABLE No. 4.120

Size class of holdings	Number of irrigated holdings (in lakhs) treated with superphosphate	
	Region-II	
	Number	%
1	2	3
Below 1 ha.	0.01	2
1 to 2 ha.	0.04	5
2 to 4 ha.	0.07	8
4 to 10 ha.	0.10	10
10 ha. and above	0.05	13
All size classes	0.28	7

Note.—The percentages are based on the number of holdings growing irrigated crop in the respective size classes in Region-II.

Superphosphate is seen to have been used in a relatively small number of holdings in the individual size groups.

4.162. (*ii*) *Urea and fertilizer mixtures.*—The number of holdings in the different size classes receiving urea and fertilizer mixtures in the regions is given in the table below in respect of the irrigated crop only as the dry crop received the input on a relatively meagre scale.

TABLE NO. 4.121

Size class of holdings	Number of irrigated holdings (in lakhs) treated with Urea								Number of irrigated holdings (in lakhs) treated with Fertilizer mixtures							
	Region-II		Region-III		Region-IV		Region-V		Region-II		Region-III		Region-IV		Region-V	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Below 1 ha. ..	0.49	57	0.15	89	0.05	40	0.12	60	0.35	41	0.04	22	0.05	41	0.10	49
1 to 2 ha. ..	0.53	66	0.19	86	0.08	37	0.14	73	0.24	30	0.06	25	0.08	34	0.13	68
2 to 4 ha. ..	0.56	59	0.26	85	0.18	42	0.29	77	0.29	30	0.12	38	0.16	38	0.28	75
4 to 10 ha. ..	0.47	48	0.43	77	0.30	42	0.52	83	0.25	25	0.21	37	0.28	40	0.41	66
10 ha. and above ..	0.16	39	0.11	75	0.14	46	0.27	86	0.07	16	0.06	44	0.11	37	0.24	75
All size classes ..	2.21	55	1.13	81	0.74	42	1.34	78	1.19	30	0.48	34	0.67	38	1.16	68

Note.—(*i*) The above percentages are based on the estimated number of holdings growing the irrigated crop in the respective size classes given in Table No. 4.118.

(*ii*) Individual figures may not add up to the corresponding total due to rounding.

The irrigated crop in the Regions-II, III and V in case of urea and Regions-II and V in case of fertilizer mixture was benefited largely, the total number of holdings treated being over 1 lakh in each case. It is evident that the crop in the first four size groups of Regions-II and III and the last three size groups of Region-V received the input in more number of holdings.

4.163. (*iii*) *Farm yard manure.*—As compared with the two major fertilizers, F.Y.M. was applied to the irrigated crop in a smaller number of holdings as can be seen from the table below.

TABLE NO. 4.122

Size class of holdings	Number of irrigated holdings (in lakhs) treated with F.Y.M.							
	Region-II		Region-III		Region-IV		Region-V	
	No.	%	No.	%	No.	%	No.	%
1	2	3	4	5	6	7	8	9
Below 1 ha. ..	0.08	9	0.02	9	0.02	18	0.07	34
1 to 2 ha. ..	0.08	10	0.05	24	0.05	22	0.01	8
2 to 4 ha. ..	0.14	15	0.04	14	0.06	14	0.12	32
4 to 10 ha. ..	0.22	22	0.13	22	0.09	13	0.17	27
10 ha. and above ..	0.12	30	0.03	18	0.08	26	0.07	23
All size classes ..	0.64	16	26	19	0.30	17	0.44	26

Note.—Please *see* foot-note below Table No. 4.121 for percentages, etc.

4.164. (*iv*) *Compost.*—The use of this input was observed in Region-II for the irrigated crop only. Hence, the size class-wise distribution of the input is presented in the following table in respect of that region only.

TABLE NO. 4.123

Size class of holdings	Number of irrigated holdings (in lakhs) treated with compost	
	Region-II	
	Number	%
1	2	3
Below 1 ha.	0.15	18
1 to 2 ha.	0.01	2
2 to 4 ha.	0.02	2
4 to 10 ha.	0.05	5
10 ha. and above	0.01	2
All size classes	0.24	6

Note.—Please *see* footnote below Table No. 4.121 for percentages, etc.

Compost was used in the individual size groups on a very low scale except in the first size class where nearly one-sixth of the holdings within that size group received the input.

4.165. (*v*) *Pesticides.*—Pesticides were applied to the irrigated crop (by spraying) only and that too in the Regions-II and V to an appreciable extent. Hence, the use of input according to size classes of holdings is discussed below only in respect of the above two regions in the following table.

TABLE NO. 4.124

Size class of holdings	Number of irrigated holdings (in lakhs) treated with Pesticides (by Spraying)			
	Region-II		Region-V	
	Number	%	Number	%
1	2	3	4	5
Below 1 ha.	0.08	10	0.01	4
1 to 2 ha.	0.07	8	0.01	5
2 to 4 ha.	0.08	8	0.09	24
4 to 10 ha.	0.06	6	0.06	10
10 ha. and above	0.09	21	0.06	18
All size classes	0.37	9	0.23	13

Note.—Please *see* footnote below Table No. 4.121 for percentages, etc.

The total number of irrigated holdings receiving the input was distributed among the different size classes almost equally, in the Region-II. In the Region-V larger number of holdings in the last three size groups received the input.

(B) EXTENT OF USE OF INPUTS IN THE REGIONS

(a) Extent of cultivation of High Yielding Varieties

4.166. The extent of cultivation of the H.Y.V. and other varieties in the regions is given below:—

TABLE NO. 4.125

Region	Area under wheat (in lakh ha.)					
	H.Y.V.		Others		Total	
	I.	U.I.	I.	U.I.	I.	U.I.
1	2	3	4	5	6	7
II	0.88 (50)	0.10 (19)	0.88 (50)	0.41 (81)	1.76 (100)	0.51 (100)
III	0.71 (72)	0.05 (10)	0.28 (28)	0.47 (90)	0.98 (100)	0.52 (100)
IV	0.96 (67)	0.11 (7)	0.46 (33)	1.53 (93)	1.42 (100)	1.64 (100)
V	1.33 (83)	0.19 (14)	0.28 (17)	1.20 (87)	1.61 (100)	1.39 (100)
VI	0.04 (35)	0.04 (4)	0.07 (65)	0.77 (96)	0.10 (100)	0.81 (100)
State	3.91 (67)	0.48 (10)	1.96 (33)	4.39 (90)	5.87 (100)	4.87 (100)

Note.— (*i*) Figures in brackets are percentages based on the total irrigated/unirrigated area under the crop given in col. 6/7. (*ii*) Individual figures may not add up to the corresponding total due to rounding.

High Yielding Varieties were grown on a relatively large scale in all the first four regions listed above and that too mostly under irrigation. Thus about 70 to 80 per cent of the total irrigated area in the above regions was under H.Y.V. except in Region-II where it was only 50 per cent. The other varieties (dry) were grown to the extent of over 1 lakh ha. in the Regions-IV and V only. Hence, further analysis of the data has been discussed below only for the important wheat regions.

(b) Area under H.Y.V. according to size classes of holdings

4.167. The estimated area under H.Y.V. and other varieties according to size groups is given in the table below:—

TABLE NO. 4.126

Size class of holdings	Area under wheat (in lakh ha.)												
	Region-II			Region-III			Region-IV			Region-V			Region-VI
	H.Y.V.	Others		H.Y.V.	Others		H.Y.V.	Others		H.Y.V.	Others		Others
	I	I.	U.I.	I.	I.	U.I.	I.	I.	U.I.	I.	I.	U.I.	U.I.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Below 1 ha.	0.10 (48)	0.11 (52)	0.03 (91)	0.04 (80)	0.01 (20)	M (100)	0.02 (50)	0.02 (50)	0.02 (88)	0.06 (68)	0.03 (32)	0.04 (85)	0.02 (87)
1 to 2 ha.	0.13 (49)	0.14 (51)	0.03 (83)	0.08 (81)	0.02 (19)	0.03 (56)	0.09 (68)	0.04 (32)	0.06 (73)	0.10 (90)	0.01 (10)	0.10 (89)	0.04 (94)
2 to 4 ha.	0.18 (47)	0.20 (53)	0.05 (79)	0.10 (59)	0.07 (41)	0.11 (90)	0.17 (61)	0.11 (39)	0.22 (95)	0.25 (86)	0.04 (14)	0.24 (93)	0.17 (96)
4 to 10 ha.	0.28 (51)	0.27 (49)	0.17 (70)	0.31 (69)	0.14 (31)	0.21 (95)	0.48 (73)	0.18 (27)	0.75 (96)	0.49 (76)	0.16 (25)	0.40 (79)	0.38 (95)
10 ha. and above	0.19 (55)	0.16 (45)	0.13 (98)	0.18 (81)	0.04 (19)	0.11 (97)	0.20 (63)	0.12 (37)	0.49 (92)	0.43 (92)	0.04 (8)	0.41 (91)	0.17 (99)
All size classes	0.88 (50)	0.88 (50)	0.41 (81)	0.71 (72)	0.28 (28)	0.47 (90)	0.96 (67)	0.46 (33)	1.53 (93)	1.33 (83)	0.28 (17)	1.20 (87)	0.77 (96)

Note.—M=Meagre (i.e. less than 0.01 lakh ha.)

(*i*) The figures in the brackets are percentages based on the total irrigated/unirrigated area under the crop within the respective size classes given in Part-II.

(*ii*) Individual figures may not add up to the corresponding total due to rounding.

The spread of the area under irrigated wheat within the individual size classes shows that in the Region-II the total area was equitably distributed between the H.Y.V. and other varieties. In the remaining regions of III, IV and V, nearly two-thirds or more of the irrigated area within the size groups was generally diverted to H.Y.V. While the highest area under the crop was in the 4th size group in each region, over 70 % of the area under the crop in each region was contributed by the last 3 size groups.

(c) Extent of use of inputs

4.168. The extent of use of the inputs in the regions is given in the table below to bring out their relative importance:—

TABLE No. 4.127

Input	Area (in lakh ha.) treated with different inputs											
	Region-II				Region-III				Region-IV			
	H.Y.V.		Others		H.Y.V.		Others		H.Y.V.		Others	
	I.	U.I.	I.	U.I.	I.	U.I.	I.	U.I.	I.	U.I.	I.	U.I.
1	2	3	4	5	6	7	8	9	10	11	12	13
Ammonium sulphate	0.04	....	N	....	0.05	0.02	....	....	N	N	N	N
	(4)	(—)	(N)	(—)	(7)	(31)	(—)	(—)	(—)	(1)	(N)	(—)
Superphosphate	0.06	N	0.12	....	0.06	....	N	..	0.20	N	0.01	N
	(7)	(N)	(14)	....	(8)	(—)	(1)	(—)	(21)	(N)	(3)	(—)
Urea ..	0.53	N	0.41	0.04	0.62	0.05	0.18	0.08	0.59	N	0.14	0.04
	(60)	(4)	(47)	(9)	(88)	(94)	(66)	(17)	(62)	(3)	(29)	(2)
Fertilizer mixtures	0.39	N	0.15	0.05	0.25	....	0.09	0.04	0.53	0.01	0.13	0.01
	(44)	(2)	(17)	(11)	(35)	(—)	(34)	(8)	(55)	(5)	(29)	(N)
F. Y. M. ..	0.17	N	0.11	0.09	0.15	N	0.01	0.05	0.09	0.04	0.08	0.18
	(19)	(2)	(12)	(21)	(21)	(N)	(4)	(11)	(9)	(38)	(18)	(12)
Compost	0.03	....	0.03	0.01	N	....	....	....	N	....	0.02	N
	(3)	(—)	(3)	(2)	(N)	(—)	(—)	(—)	(N)	(—)	(4)	(N)
Pesticides—												
(*i*) Dusting	0.03	N	0.02	N	0.03	0.01	..	....	0.11	....	0.01	....
	(4)	(N)	(2)	(N)	(4)	(22)	(—)	(—)	(11)	(—)	(2)	(—)
(*ii*) Spraying	0.26	....	0.01	....	0.05	....	0.01	....	0.11	....	0.01	....
	(29)	(—)	(2)	(—)	(8)	(—)	(4)	(—)	(11)	(—)	(2)	(—)

TABLE No. 4.127—*contd.*

Area (in lakh ha.) treated with different inputs								
Region-V				Region-VI			
H.Y.V.		Others		H.Y.V.		Others	
I.	U.I.	I.	U.I.	I.	U.I.	I.	U.I.
14	15	16	17	18	19	20	21
0.03	....	....	....	N	....	....	....
(2)	(—)	(—)	(—)	(4)	(—)	(—)	(—)
0.13	N	0.01	N	0.01	....	....	....
(10)	(N)	(3)	(N)	(16)	(—)	(—)	(—)
1.14	0.08	0.11	0.13	0.01	N	0.01	0.06
(86)	(43)	(40)	(10)	(23)	(4)	(12)	(7)
1.03	0.04	0.10	0.04	0.01	N	0.01	0.01
(77)	(23)	(37)	(3)	(37)	(10)	(14)	(1)
0.31	0.04	0.04	0.26	N	N	0.02	0.12
(23)	(23)	(13)	(22)	(14)	(13)	(34)	(15)
....	N	....	0.11	....	....	....	....
(—)	(N)	(—)	(9)	(—)	(—)	(—)	(—)
0.04	N	N	0.02	N	....	....	....
(3)	(N)	(N)	(1)	(3)	(—)	(—)	(—)
0.18	0.01	0.03	0.01	N	N	....	....
(14)	(9)	(10)	(1)	(8)	(5)	(—)	(—)

Note.— (i) N=Negligible.
(ii) The figures within brackets are percentages based on the estimated area under the respective categories of the crop given in Table No. 4.125.

It is evident that urea and fertilizer mixtures were the only major inputs while F. Y. M., pesticides by spraying and superphosphate were used only in one or two regions to a substantial extent. Here again, only the H. Y. V. under irrigation received these inputs to an appreciable extent.

(d) Use of inputs according to size classes of holdings

4.169. (*i*) *Superphosphate.*—The irrigated area under H. Y. V. was treated with superphosphate in the Region-IV only and hence the size class-wise extent of use of this input is presented in the table below:—

TABLE NO. 4.128

Size class of holdings	Irrigated area (in lakh ha.) under H.Y.V. treated with superphosphate in Region-IV	
	Area	Percentage
1	2	3
Below 1 ha.	M	10
1 to 2 ha.	0.01	9
2 to 4 ha.	....	....
4 to 10 ha.	0.17	35
10 ha. and above	0.02	12
All size classes	0.20	21

(M=Meagre i.e. area benefited was less than 0.01 lakh ha.).

Note.—Please see foot-note below Table No. 4.129 for percentages.

Out of the total area of 0.20 lakh ha. benefited by the input, 0.17 lakh ha. was in the fourth size group.

4.170. (*ii*) *Urea and fertilizer mixtures.*—The table below gives the irrigated area under wheat benefited by the use of area and fertilizer mixtures.

TABLE NO. 4.129

Size class of holding	Irrigated area under wheat (in lakh ha.) treated with								
	Urea					Fertilizer mixtures			
	Region-II		Region-III	Region-IV	Region-V	Region-II	Region-III	Region-IV	Region-V
	H.Y.V.	Others	H.Y.V.	H.Y.V.	H.Y.V.	H.Y.V.	H.Y.V.	H.Y.V.	H.Y.V.
1	2	3	4	5	6	7	8	9	10
Below 1 ha. ..	0.06	0.05	0.04	0.01	0.04	0.06	0.01	0.01	0.04
	(64)	(50)	(96)	(63)	(74)	(64)	(24)	(46)	(62)
1 to 2 ha. ..	0.09	0.09	0.08	0.05	0.08	0.07	0.02	0.05	0.08
	(73)	(70)	(98)	(61)	(82)	(54)	(22)	(58)	(79)
2 to 4 ha. ..	0.15	0.09	0.10	0.09	0.20	0.11	0.05	0.11	0.19
	(83)	(45)	(97)	(55)	(80)	(60)	(53)	(66)	(78)
4 to 10 ha. ..	0.18	0.12	0.24	0.31	0.44	0.13	0.11	0.23	0.37
	(63)	(42)	(78)	(65)	(89)	(45)	(35)	(47)	(75)
10 ha. and above ..	0.05	0.06	0.17	0.12	0.38	0.02	0.06	0.13	0.35
	(26)	(35)	(94)	(62)	(87)	(12)	(33)	(65)	(81)
All size classes ..	0.53	0.41	0.62	0.59	1.14	0.39	0.25	0.53	1.03
	(60)	(47)	(88)	(62)	(86)	(44)	(35)	(55)	(77)

Note.—(*i*) Figures within brackets are percentages based on estimated area under the corresponding category of the crop in the respective size classes given in Table No. 4.126.

(*ii*) Individual figures may not add up to the corresponding total due to rounding.

Among the different regions, the crop (irrigated H. Y. V.) was benefited to the largest extent of over 1 lakh ha. in Region-V only in case of both the fertilizers. A striking feature noticed is that about 80 per cent or more of the area under the crop within most of the size groups received urea in the Regions-III and V. Fertilizer mixtures were also applied to the crop to a large percentage of the area i.e., 75 per cent or more of the area in Region-V and nearly 50 per cent or more in Region-IV in most of the size groups.

4.171. (*iii*) *Farm yard manure.*—The table below gives the percentage area under wheat benefited by F. Y. M. in the irrigated H. Y. V. in Region-V only, as according to the criterion mentioned in the paragraph 4.5, the area benefited in the case of other regions was relatively low.

TABLE NO. 4.130

Size class of holdings	Irrigated area under wheat (H.Y.V.) (in lakh ha.) applied with F.Y.M. in Region-V	
1	2	3
	Area	%
Below 1 ha.	0.02	27
1 to 2 ha.	N	5
2 to 4 ha.	0.07	28
4 to 10 ha.	1.13	26
10 ha. and above	0.09	21
All size classes	0.31	23

N=Negligible i.e. less than 0.01 lakh ha.

Note.—Please *see* foot-note below Table No. 4.129 for percentages.

The (absolute) area benefited is seem to be quite low except in the fourth size group.

4.172. (*iv*) *Pesticides.*—Pesticides were applied by spraying to the irrigated H. Y. V. and that too in Region-II only to a relatively appreciable extent. Hence, the use of the input according to size classes of holdings is discussed below only in respect of that region:—

TABLE NO. 4.131

Size class of holdings	Irrigated area (in lakh ha.) under wheat (H.Y.V.) treated with pesticides by Spraying in Region-II	
1	2	3
	Area	%
Below 1 ha.	0.02	20
1 to 2 ha.	0.03	25
2 to 4 ha.	0.05	25
4 to 10 ha.	0.04	15
10 ha. and above	0.12	60
All size classes	0.26	29

Note.—Please *see* foot-note below Table No. 4.129 for percentages.

The total area under irrigated H. Y. V. sprayed with pesticides was only 0.26 lakh ha. Of this about 0.12 lakh ha. was in the last size group while the remaining area was distributed among the other size classes.

ESTIMATES RELATING TO SIX PRINCIPAL CROPS (TAKEN TOGETHER)

4.173. Besides computing the survey estimates relating to the use of inputs for the six principal crops individually, the over-all estimates for the six crops together were also obtained. The findings of the survey in this regard are summarised in the following paragraphs.

Comparative estimates of gross area under principal crops applied with inputs

4.174. The Table No. 9 in the Appendix-I gives the gross irrigated and dry area under the six principal crops (taken together) applied with each of the inputs. Cropwise particulars are also given. The findings of the survey in this regard are summarised below :—

4.175. (*i*) *Fertilizers.*—It is seen that out of the total unirrigated area of 117 lakh ha. under the six crops, an area of 25 lakh ha. (or 22 %) was treated with one or more fertilizers. Similarly, out of the total irrigated area of 15 lakh ha., that benefited was 12 lakh ha. (or 83%).

Urea and fertilizer mixtures were the inputs used extensively. 11% and 44% of the total area under dry and irrigated crops respectively were applied with urea. The corresponding areas benefited due to fertilizer mixtures were 9% and 31% respectively.

The split-up of the above treated area (due to all fertilizers) according to crops (as seen from the above table) shows that in case of these under irrigation, wheat and paddy were benefited to the largest extent their shares being about 60% and 20% respectively. The share of the remaining crops was less than 10 per cent. In case of the unirrigated crops, the area treated under kharif jowar, paddy and cotton was high being 38 %, 23% and 22%, respectively.

4.176. (*ii*) *Organic manures.*—The unirrigated and irrigated crops were applied with organic manures (mostly F.Y.M.) to the extent of 35 lakh ha. and 6 lakh ha. respectively. The area covered by compost was relatively meagre. The break up of the above area shows that unirrigated kharif jowar, cotton and paddy crops were the major beneficieries, the treated area being 27%, 23% and 21 % respectively. In case of the irrigated crops, paddy, rabi jowar and wheat were benefited to a larger extent of 44 %, 22 % and 17%, respectively.

4.177. (*iii*) *Pesticides.*—Pesticides were applied to the unirrigated and irrigated crops by dusting to the extent of 4.8 lakh ha. and 0.6 lakh ha. and by spraying to about 6 lakh and 1.4 lakh ha., respectively.

Cropwise split up of the area treated shows that in case of dusting, the dry crops of kharif jowar, paddy and cotton were covered to a larger extent being 48%, 26% and 22%, respectively. A larger (dry) area under kharif jowar and cotton was covered by spraying to the extent of 47% and 44%, respectively.

In case of the irrigated crops, the area covered by dusting was appreciable in case of wheat, kharif jowar, paddy and cotton being 37%, 24%, 16% and 18% respectively that by spraying being 15%, 21% and 48% in case of kharif jowar, cotton and wheat respectively.

Estimated rates of application of major inputs

4.178. On the basis of estimated quantity of inputs used for each of the principal crops and the corresponding area benefited, the rate of application of each input was computed. As urea, fertilizer mixtures and F.Y.M. were found to be the major inputs having been applied to an appreciable extent, the estimated rates of application of these inputs only are discussed in the following paragraphs.

(a) State level estimates

4.179. State level estimates for the six principal crops are given in the table below for irrigated and unirrigated crops separately :—

TABLE No. 4.132

Crop	Rate of application per hectare					
	Urea		Fert. mixtures		F.Y.M.	
	I. (kg)	U.I. (kg)	I. (kg)	U.I. (kg)	I. (q)	U.I. (q)
1	2	3	4	5	6	7
1. Paddy	99	92	108	132	50	65
2. Bajri	82	69	99	93	70	61
3. Kh. jowar	111	92	129	114	98	58
4. Cotton	167	96	178	95	72	63
5. Rabi jowar	91	102	136	94	35	35
6. Wheat	123	78	150	89	92	42

q—Quintal.

4.180. A striking feature noticed in the table above is that the rates of application of both the fertilizers were the highest in case of the irrigated cotton crop being nearly 170 kg/ha. or more. Wheat and kharif jowar in case of both fertilizers besides rabi jowar in case of fertilizer mixtures were the next three crops (under irrigation) in importance in this regard. Again, the quantity of fertilizers applied to the irrigated crops was nearly 1 quintal/ha or more. In case of urea applied to the dry crops it was nearly 80 kg/ha. or more and fertilizer mixtures about 90 kg/ha. or more. F.Y.M. was applied at a higher rate to the irrigated kharif jowar and wheat crops only. An important feature noticed in case of F.Y.M. is that being given as a basal dressing generally to all the important crops, there was no appreciable difference in the rates of application to the irrigated and unirrigated crops generally. About 70 q/ha. or more of F.Y.M. was applied to the irrigated crops (except paddy and rabi jowar) and about 60 q/ha. or more in case of the rainfed kharif crops.

(b) Estimates according to size classes of holdings

4.181. The Table No. 10 in the Appendix-I gives the size class-wise estimates of the rates of application of the above major inputs to each of the principal crops.

It is seen that the rate of application of each input to the unirrigated crop in the very small holdings (i.e. of size less than 1 ha.) was higher than that in the bigger holdings. Another striking feature is that in case of irrigated cotton particularly, the rates of application of both the fertilizers were quite high in the different size classes indicating the importance attached to the irrigated crop by the farmers. In fact, in most of the size groups, the fertilizers were applied at a higher rate to the irrigated crops which conforms to the expectations.

(c) Region-wise estimates

4.182. Table No. 11 in the Appendix I gives the regional estimates of rates of application of the three major inputs (viz. Urea fertilizer mixtures and F.Y.M.) to paddy, kharif jowar, cotton and wheat only, as the extent of benefit in case of rabi jowar and bajri was relatively small. The findings of the survey in this regard are summarised below:—

(*i*) *Paddy.*—The rates of application of both the fertilizers were found to be consistently higher in the Regions-I, II and III as compared with those in the remaining regions. In case of F.Y.M. on the other hand, the rate was much higher in case of the irrigated crops in the Regions-III and IV.

(*ii*) *Kharif jowar.*—The farmers in the Regions-II and III applied all the three inputs at higher rates in case of both the irrigated and unirrigated crop. In the two

major jowar growing Regions-IV and V, the quantity of fertilizers applied was about one q/ha. in case of fertilizer mixtures and 0·8 q/ha. or more in case of urea. The quantity of F.Y.M. used for the dry crop was 70 q/ha. or more in the Regions-III and IV and less than 50 q/ha. in the Region-V.

(iii) Cotton.—Larger quantity of all three inputs was applied per hectare to the irrigated crop in Region-II where it was mostly grown. The dry crop in the two major cotton growing Regions-IV and V, received the two fertilizers at the rate of about one q/ha. or less. F.Y.M. was applied to the crop in these two regions at about 60 q/ha.

(iv) Wheat.—In the Regions-II, III, IV and V, fertilizer mixtures were applied to the irrigated crop at a higher rate of nearly, 1·5 q/ha. or more while the rate in case of urea was lower. The dry crop received the two fertilizers mostly at a rate less than one q/ha. F.Y.M. was applied to the irrigated crop at a much higher rate of nearly 140 q/ha. or more in the Regions-III and IV.

Consistency of Input Survey

4.183. In order to test whether the 2 per cent smaple selected for the Input Survey was adequate to furnish consistent estimates of the items covered, an attempt was made to compare the Input Survey estimates with those of the Sample Agricultural Census (1976-77) in respect of the following most important parameters:

(*i*) Number of holdings growing the principal crops

(*ii*) Irrigated and unirrigated area under each of the principal crops.

4.184. Under the Sample Agricultural Census, a random sample of 7,693 villages (i.e. 20 per cent of the total number of revenue villages in the State) was selected. All the operational holdings as also operated area in each selected village were completely enumerated. The information relating to the relevant items of the Census was got complied by the method of retabulation through the patwari agency. The field work of the Input Survey was done by the Block Statistical Assistants in the Panchayat Samities.

4.185. The table below gives the comparative estimates in respect of the number of holdings and area under the six principal crops based on the above two surveys. The corresponding official area statistics relating to the principal crops are also given.

TABLE No 4·133

Crop	No. of holdings (in lakhs) growing the crop			Area under the crop (in lakh ha.)						
	Input Survey		Sample Census	Input Survey		Sample Census		Official Statistics*		
	I.	U.I.		I.	U.I.	I.	U.I.	I.	I.U.	Total
1	2	3	4	5	6	7	8	9	10	11
Paddy ..	4.44	19.00	22.23	3.33	13.18	3.21	12.09	3.67	10.85	14.52
Bajri ..	1.24	10.00	11.56	0.68	16.38	0.53	16.13	0.69	16.80	17.49
Kharif jowar ..	1.67	22.62	22.21	10.9	36.16	0.41	31.62	0.57	29.01	29.58
Cotton ..	0.75	9.34	9.78	0.44	19.44	0.19	18.15	0.65	21.22	21.87
Rabi jowar ..	2.98	12.04	14.72	3.09	27.36	1.90	28.38	3.81	28.66	32.47
Wheat ..	9.14	5.37	10.17	5.87	4.87	3.32	4.87	5.24	6.45	11.69

*Tentative figures

4.186. At the outset, it is clarified that in the Sample Census, separate estimates of the number of holdings growing irrigated and unirrigated crop were not obtained, while in case of the Input Suvery though such separate estimates were obtained yet they are not additive and hence the total number of holdings growing the crop is not obtainable from the Input Survey estimates. But in view of the limited area under irrigation in Maharashtra State, it may be presumed that in case of most of the crops (except wheat) the number of holdings growing exclusively irrigated crop will be

relatively few. Hence a broad comparison of the two sets of estimates of the total number of holdings will be valid as a first approximation. Bearing in mind these limitations, it is seen that the two estimates of the total number of growers of the individual crops agreed fairly well. In case of wheat, however, the disparity in the two estimates was appreciable.

4.187. It is gratifying to note that the two sets of estimates of the dry area under the different principal crops were in fairly good agreement except in case of kharif jowar. As regards the irrigated area under these crops, there was a satisfactory agreement only in case of the two kharif crops viz., paddy and bajri.

4.188. On an examination of the three sets of figures (i.e. including official statistics) of the total area under the principal crops, there was a fair agreement between the survey estimates and the official statistics in case of paddy, bajri, rabi jowar and cotton (the difference being less than 10 per cent). Hence on the whole, the Input Survey statistics appear to be generally consistent.

Comparison of Input Survey estimates with those of the 26th round of N.S.S.O.

4.189. As already mentioned in paragraph 1 of Chapter-I, as part of the World Agricultural Census, 1970-71, conducted all over the country, the National Sample Survey Organisation of the Government of India carried out a sample survey with 1970-71 as the reference year to collect information on the use of inputs, live-stock, agricultural implements, etc. The Table No. 12 in the Appendix-I gives the estimates based on the two surveys in respect of the—

(*i*) number of holdings growing each principal crop;

(*ii*) area under the crop;

(*iii*) area treated with each of the two major inputs viz., urea and fertilizer mixtures;

(*iv*) quantity of fertilizers applied.

4.190. It is of interest to observe that there was a fair agreement between the two sets of estimates for the reference years in respect of the first two items listed above, except in case of wheat. In regard to wheat, it is pertinent to mention here that with the introduction of H.Y. V.P., the area under wheat went up considerably after 1972. Hence the Input Survey estimates reflect the higher number of wheat growers and increased area under the crop in 1976-77.

4.191. The table below gives the comparative estimates regarding the use of ammonium sulphate:—

TABLE No. 4.134

Source	Use of ammonium sulphate	
	Quantity (in M. tons)	Area treated (in lakh ha.)
1	2	3
26th round of N.S.S.O.	23,346	3.43
Input Survey	9,861	1.09

4.192. It is evident that the extent of use of ammonium sulphate declined steeply after 1971. On the other hand, urea—having higher content of N than ammonium sulphate—is being used to a larger extent in recent years as reflected in the Input Survey estimates given in the Table referred in paragraph 4.189. Thus the area applied with urea to paddy, kharif jowar, cotton and wheat in 1976-77 was much higher than in 1970-71.

In conclusion, it is seen that while the total area under the six principal crops (irrigated and unirrigated area taken together) in 1970-71 benefited by urea and fertilizer mixtures was about 5 lakh ha. and 6 lakh ha. respectively, the corresponding estimates in 1976-77 were about 19 lakh ha. and 15 lakh ha. i.e. the area treated in 1976-77 had gone up by nearly four times in case of urea and two and a half times in case of fertilizer mixtures as compared with that in 1970-71. It is of interest also to note that the fertilizer consumption (in regard to the above two fertilizers) in 1976-77 had also similarly gone up by more than four times in case of urea and more than two times in case of fertilizer mixtures as compared with the level of consumption in 1970-71. The steep rise in the extent of use and quantity of fertilizers applied may be attributed to the increased momentum the agricultural production programme received, through H.Y.V.P. and Intensive Cultivation Scheme in more recent years as also the realisation on the part of the farmers regarding the need for the use of fertilizers on a more extensive scale.

CHAPTER V.

ESTIMATES RELATING TO THE USE OF INPUTS FOR THE SIX PRINCIPAL CROPS TAKEN TOGETHER

5.1. The estimates discussed in the preceding Chapter related to the number of holdings and area growing the individual crops and receiving different inputs. Further, the findings discussed there for the six principal crops together related to the gross area benefited due to the use of inputs. In this Chapter, the results of the Input Survey are discussed in respect of the net number of holdings and area under one or more of the six principal crops and receiving inputs classified according to three broad categories, namely —

(*i*) Chemical fertilizers (*i.e.* one or more fertilizers),

(*ii*) Organic manures,

(*iii*) Pesticides.

For working out the net number of holdings benefited as above, the number of holdings growing one or more of the six principal crops and applied with any of the inputs (under the respective three broad categories), was counted and the relevant estimates computed. In this process, the holding was considered as having been treated with pesticides if one of the six crops grown in the holding was either dusted or sprayed with the input. Similarly, the area growing one or more of the six principal crops benefited due to the application of one or more of the inputs (categorised as above), was aggregated and the requisite estimates built up. Hence, the estimates discussed in this Chapter refer to the net number of holdings and area under the principal crops receiving the inputs. The size class-wise estimates along with their standard errors are given in the Table Nos. 6 to 8 in the Appendix-I. It is clarified here that in accordance with the decision taken at the workshop Conference held in May 1978 at New Delhi, the standard errors were computed only for the above estimates in view of the heavy calculations involved in determining the standard errors for all the estimates presented in this report.

The findings of the survey are summarised below.

5.2. (*i*) *Chemical fertilizers.*—The table below gives the size class-wise distribution of the number of holdings and the area benefited due to the application of chemical fertilizers.

TABLE NO. 5.1

Size class of holdings	Net number of holdings and area receiving chemical fertilizers							
	Number of holdings (in lakhs)				Area benefited (in lakh ha.)			
	I.	%	U.I.	%	I.	%	U.I.	%
1	2	3	4	5	6	7	8	9
Below 1 ha.	1.65	63	4.15	34	0.61	59	1.33	26
1 to 2 ha.	1.50	66	2.77	29	0.92	56	2.15	21
2 to 4 ha.	2.12	69	3.30	28	1.61	56	3.65	16
4 to 10 ha.	2.69	69	3.55	29	3.20	59	6.78	14
10 ha. and above	1.09	70	1.40	37	1.93	55	4.92	16
All size classes	9.06	67	15.16	31	8.27	57	18.83	16

Notes.--(*i*) The percentages in cols. 3 and 5 are based on the total number of holdings growing one or more of the six principal crops under irrigated/unirrigated categories, given in Part-II.

(*ii*) The percentages in cols.7 and 9 are based on the total irrigated/unirrigated area under these crops, given in Part-II.

(a) Number of holdings

5.3. Out of the total number of 49 lakh holdings growing one or more of the six crops in the State, the net number of holdings growing the six principal crops under unirrigated conditions receiving chemical fertilizers was estimated at 15.16 lakh (or 31 per cent) with a standard error of 0.94 lakh holdings (or 6.2 per cent). The

corresponding estimate for the irrigated crops was 9·06 lakh holdings (or about 67 per cent of the 13·49 lakh holdings growing irrigated crops) with a standard error of 0.34 lakh holdings (or 3.7 per cent).

5.4. The distribution of the above figures according to size groups shows that within the individual size classes, there was little variation in the proportion of the number of holdings benefited, being about two-thirds of the irrigated holdings and about one-third or less of the unirrigated holdings. The standard errors of the estimates at the size group level varied from 6 to 20 per cent in case of the unirrigated holdings and 6 to 10 per cent in case of the irrigated holdings.

5.5. The distribution of the number of holdings benefited over the size classes shows that the first size group contained the largest number of holdings benefited, being 4·15 lakh (or nearly 27 per cent) in case of the dry crop and the fourth size group in case of the irrigated crops being 2.69 lakh holdings (or nearly 30 per cent).

(b) Area

5.6. The total unirrigated area under the six principal crops treated with chemical fertilizers was estimated at 18·83 lakh ha. with a standard error of 0.80 lakh ha. or 4.2 per cent. The corresponding estimate in case of the irrigated crops was 8.27 lakh ha. with a standard error of 0.39 lakh ha. or 4.8 per cent.

5.7. The distribution of the total benefited area according to size classes reveals that the proportionate area within the individual size groups was practically the same being 55 to 59 per cent in case of the irrigated crops, while in case of the dry crops, it showed a slight downward trend from 26 per cent to 14 per cent with the increase in the size of holdings upto 10 ha. The standard errors of the size class level estimates were generally 8 to 15 per cent in case of both the dry and irrigated crops.

5.8. (*ii*) *Organic manures.*—The distribution of the net number of holdings and the area benefited due to organic manures is given in the table below:—

TABLE NO. 5.2

Size class of holdings	Net number of holdings and area receiving organic manures							
	Number of holdings (in lakhs)				Area benefited (in lakh ha.)			
	I.	%	U.I.	%	I.	%	U.I.	%
1	2	3	4	5	6	7	8	9
Below 1 ha.	1.50	57	6.69	55	0.50	48	2.21	44
1 to 2 ha.	1.08	47	4.14	43	0.70	43	3.32	33
2 to 4 ha.	1.37	45	5.00	43	1.21	42	6.27	28
4 to 10 ha.	1.80	46	5.61	46	2.27	42	13.63	28
10 ha. and above	0.68	43	1.91	51	1.38	40	9.42	30
All size classes	6.44	48	23.36	47	6.06	42	34.85	30

Note.—The foot notes (*i*) and (*ii*) below Table No. 5.1 are applicable here also.

(a) Number of holdings

5.9. The estimated net number of holdings growing one or more of the six principal crops receiving organic manures was estimated at 23.36 and 6.44 lakh in case of the dry and irrigated crops respectively. Their proportion to the total number of holdings growing one or more principal crops in the State was 47 per cent and 48 per cent respectively. The standard errors of the above estimates were 0.97 and 0.30 lakh holdings or 4.1 per cent and 4.7 per cent respectively.

5.10. The proportionate number of holdings benefited within the individual size groups was the highest in the first size class being about 55 per cent in case of both the unirrigated and irrigated crops, while it was practically the same in the remaining size groups being about 45 per cent generally. The percentage standard errors of the size group level estimates varied from 4 to 13 and 7 to 14 in case of the unirrigated and irrigated crops respectively.

5.11. The distribution of the number of holdings over the different size groups shows that it was the highest in the first size group being about 25 per cent in both the categories.

(b) Area

5.12. Out of the total unirrigated area 117.34 lakh ha. under the six principal crops receiving the inputs, the area benefited due to organic manures was estimated at 34.85 (or 30 per cent) lakh ha. with a standard error of 1.06 lakh ha. or 3.0 per cent. The corresponding estimate in case of the irrigated crops was 6.06 lakh ha. (or 42 per cent) with a standard error of 0.35 lakh ha. or 5.7 per cent.

5.13. The proportionate area benefited within the individual size groups was the highest in the first size group both in case of unirrigated and irrigated crops being 44 per cent and 48 per cent respectively. In the remaining size classes, it was 33 per cent or less and 43 per cent or less respectively.

5.14. The distribution of the total area treated over the different size classes shows that it was mostly concentrated in the last two size groups in case of both the dry and irrigated crops to the extent of 66 per cent and 60 per cent respectively. The standard errors of the size group level estimates varied from 5 per cent to 9 per cent and 10 per cent to 16 per cent in case of the two categories of the crops, respectively.

5.15. (*iii*) *Pesticides.*—The table below gives the net number of holdings and area benefited due to the use of pesticides according to size groups:—

TABLE NO. 5.3

Size class of holdings	Net number of holdings and area receiving pesticides							
	Net number of holdings (in lakhs)				Area benefited (in lakh ha.)			
	I.	%	U.I.	%	I.	%	U.I.	%
1	2	3	4	5	6	7	8	9
Below 1 ha.	0.30	12	1.52	13	0.11	11	0.53	10
1 to 2 ha.	0.19	8	1.26	13	0.11	7	1.00	10
2 to 4 ha.	0.38	12	1.50	13	0.27	9	1.49	7
4 to 10 ha.	0.54	14	1.82	15	0.62	11	3.01	6
10 ha. and above	0.33	21	0.87	23	0.55	16	2.57	8
All size classes	1.75	13	6.96	14	1.66	12	8.59	7

Note.—The footnotes (*i*) and (*ii*) below Table No. 5.1 are applicable here also.

(a) Number of holdings

5.16. Out of the 49 lakh holdings growing one or more of the principal crops in the State, 6.96 lakh holdings (or 14 per cent) received pesticides, the standard error of the estimate being 0.32 lakh holdings or 5 per cent. The corresponding estimate in case of the irrigated crops was 1.75 lakh holdings out of 13.49 lakh holdings growing one or more of the six principal crops (irrigated) (or 13 per cent) with a standard error of 0.14 lakh holdings or 8 per cent.)

5.17. A striking feature noticed in the size classwise estimates is that the proportion of the number of holdings benefited (out of the total number of holdings growing one or more of the six principal crops) was low being generally 15 per cent or less in the first four size classes in case of both the categories of the crops.

5.18. The distribution of the number of holdings benefited over the different size groups shows that over 20 per cent of them were located in each of the first four size groups in case of the dry crops while about 50 per cent of the holdings were in the last two groups in case of the irrigated crops. The standard errors of the size group level estimates varied from 8 to 12 per cent and 14 to 21 per cent in case of the unirrigated categories respectively.

(b) Area

5.19. Out of the total area of 117.34 lakh ha. under the six principal (unirrigated) crops, that treated with pesticides was estimated at 8.59 lakh ha. (or 7 per cent) with a standard error of 0.49 lakh ha. (or 6 per cent) In case of the irrigated crops, the area benefited was 1.66 lakh ha. out of 14.50 lakh ha. under six principal crops (or 12 per cent) with a standard error of 0.18 lakh ha. or 11 per cent.

5.20. The distribution of the area benefited over the size groups shows that although it was concentrated in the last two size classes to the extent of about 60 per cent or more in case of both the categories of the crops yet, the area treated within the individual size groups was quite low being 10 per cent or less in case of the dry crops and 16 per cent or less in case of the irrigated crops.

5.21. The standard errors of the size group level estimates varied from 10 to 13 per cent and 20 to 23 per cent in case of the unirrigated and irrigated categories of the crops, respectively.

CHAPTER—VI.
MULTIPLE CROPPING AND AREA AFFECTED BY WATER LOGGING AND SALINITY

Introduction

6.1. Though it is well known that one way of maximising the agricultural production per holding is to undertake multiple cropping wherever feasible, a major problem faced in this process is that the traditional varieties of foodgrain crops are of a longer duration and this proved to be a limiting factor in raising two or more crops during a year on the land available for cultivation with each farmer. This problem was expected to be solved to some extent at least, with the introduction of the hybrid and high yielding varieties as these are of a much shorter duration. But another connected limiting factor is that under unirrigated conditions, more than one crop can be raised only in certain soils having adequate soil moisture, while hardly 11 per cent of the total cropped area in the State has irrigation facilities. This irrigated area, in fact includes the area under protective irrigation also i.e. irrigation given only once just to save the crop from withering and water in several wells is adequate normally to give only one watering to the crop. Moreover, the above irrigated area includes that under long duration crops like sugarcane and banana basides perennial fruit crops, etc. It is, therefore, evident that the scope for raising two or more crops on the same land even under such irrigation is very much limited.

The official statistics relating to area under the crops provide the infomation on the area cropped more than once separately for the irrigated and unirrigated categories; but they do not furnish separate, figures relating to the area cropped twice, thrice, etc. Hence data were collected under the Input Survey to study the nature and extent of multiple cropping in the irrigated and unirrigated areas separately.

Information collected in the Input Survey

6.2. In each of the selected holdings, the areas cropped once only and more than once was collected. Where the area was cropped more than once, the following details were also obtained in case of the irrigated area :

(*i*) One crop irrigated,

(*ii*) Two crops irrigated,

(*iii*) More than two crops irrigated.

In the unirrigated area, the details relating to the lands cropped more than once were obtained so as to assess the intensity of cropping under dry conditions.

In addition, the information about the number of holdings affected by water logging and salinity was also collected.

The findings of the Input Survey in regard to the above items are summarised in the following paragraphs.

(A) EXTENT OF MULTIPLE CROPPING

6.3. The survey estimates are presented in the Part II for the State and the regions. The findings are summarised below:—

1. *Irrigated areas.*—(*i*) The total net irrigated area in the State was estimated at 19.35 lakh ha. with a standard error of 0.78 lakh ha. or 4 per cent. The gross irrigated area was 21.44 lakh ha. with a standard error of 0.86 lakh ha. or 4 per cent respectively.

(*ii*) Out of the estimated total net irrigated area in the State, one crop was raised in 68 per cent of the area, 2 crops in 31 per cent of the area and 3 crops in only 0.5 per cent.

(*iii*) Where 2 crops were raised, only one crop was irrigated in 21 per cent of the area and both crops irrigated in 10 per cent of the area.

(*iv*) Where more than 2 crops were raised, only one crop was irrigated in 0.3 per cent of the area and more than 2 crops in the remaining 0.2 per cent of the area.

2. *Unirrigated area.*—The estimate of the total net unirrigated area in the State was 133.53 lakh ha. with a standard error of 2.9 lakh ha. or 2.2 per cent and that of the gross unirrigated area was 145.04 lakh ha. with a standard error of 3.25 lakh ha .or 2.2 per cent.

(B) INTENSITY OF CROPPING

6.4. Using the ratio of gross irrigated area (of 21.44 lakh ha.) under the crops to the net irrigated area as an index of the intensity of cropping, it is seen that the intensity of cropping (at the State level) was 111 per cent which shows that 11 per cent of the land under the crops was cropped more than once under irrigation.

The intensity of cropping under unirrigated area was estimated at 109 per cent which indicates that 9 per cent of the land was cropped more than once under dry conditions.

(C) SIZE CLASS-WISE ESTIMATES

6.5. The State level estimates of the extent of multiple cropping and intensity of cropping according to size classes of holding are briefly discussed below:—

(*i*) *Irrigated area cropped more than once.*—From the table given in the Part-II, it is seen that the net irrigated area within the individual size classes showed a downward trend from 24 per cent to 11 per cent with the increase in the size of holdings. The distribution of the total net irrigated area over the size classes reveals that it was mostly concentrated in the last three size classes to the extent of over 80 per cent.

The standard errors of the size class-wise estimates were relatively low in the last four size classes being less than 9 per cent.

The proportionate extent of the area cropped more than once within the size groups was the highest in the first size group being about 42 per cent of the total net irrigated area in that size group.

(*ii*) *Unirrigated area cropped more than once.*—The proportionate net unirrigated area within the individual size classes increased from 76 per cent to 89 per cent with the increase in the size of holdings.

The distribution of the total net unirrigated area in the State over the size groups shows that nearly 90 per cent of it was concentrated in the last three size groups.

The standard errors of the size class-wise level estimates were quite low being 5 per cent or less.

The proportionate unirrigated area cropped more than once within the size classes was found to be quite low being practically the same in the different size classes being mostly about 5 per cent or less (except in the first size group which was slightly higher being 7 per cent).

(*iii*) *Intensity of cropping.*—It is of interest to observe tht in the individual size classes, the intensity of cropping was 113 per cent or less inaase of the irrigated crops while it was the highest in the first size group in case cf unirrigated crop being 116 per cent. In the remaining size classes, it was practically the same being 108 per cent.

Regional estimates

In view of the wide regional disparity in the extent of irrigation, it may be of interest to examine the area covered under multiple cropping in the regions also. The

regional estimates according to size classes are given in the Part II. The intensity of cropping in the regions was as follows :—

TABLE NO. 6·1

Region	Intensity of cropping	
	Irrigated %	Unirrigated %
1	2	3
I	100	103
II	118	108
III	102	111
IV	109	113
V	104	104
VI	107	115

It is seen that in the Regions-I and V, the intensity of cropping (i.e. relative extent of area cropped more than once) was quite low under both the irrigated and unirrigated categories of the crops. The intensity of irrigated cropping was the highest in Region-II being 118 per cent. Among the other size classes it varied from 112 to 123 per cent and had no relationship to the size of holdings.

Another important feature noticed in Region-III only was that though the intensity of irrigated cropping was very low, yet the percentage area irrigated within the individual size classes increased from 14 to 37 per cent with the increase in the size of holdings. In the remaining regions, the percentage showed a doward trend.

In Region-IV, the intensity of dry cropping within the individual size classes was practically the same being about 112 per cent. In Regions II, III and VI, it was the highest in the first size class being above 120 per cent.

(E) AREA AFFECTED BY WATER LOGGING AND SALINITY

6.6. The results of the survey relating to the lands affected by water logging and by salinity are furnished in Part-II while the findings are summarised below:—

(*i*) *Lands affected by water logging.*—The number of holding affected by water logging was estimated at 4.29 lakhs or 8 per cent of the total operational holdings while the area affected was 11.47 lakh ha. or 6 per cent of the total operated area in the State. Of the affected area that provided with drainage facilities was 2.21 lakh ha. or about 20 per cent. Thus most of the water logged area in the State was not having any drainage facility.

The percentage of the holdings affected by salinity within the size classes was of the same order being about 8. The total number of holdings affected in the State were distributed mostly in the first four size classes (approximately) equitably with over 20 per cent in each size class.

The distribution of the total affected area over the size classes reveals that it was mostly concentrated in the last three size groups to the extent of over 80 per cent.

(*ii*) *Lands affected by salinity.*—The estimate of number of holdings affected by salinity was of the order of 1.07 lakh or 2 per cent of the total number of operational holdings in the State and the total area affected was about 2.10 lakh ha. or 1 per cent of the total operated area in the State.

The percentage of holdings affected by salinity within the size groups was of the same order being about 2 per cent in the first four size classes. The distribution of the total number of affected holdings over the size classes shows that they were generally spread equitably in the different size classes.

The percentage of the area affected by salinity within the size groups was of the order of 1 per cent in all the classes ; but the distribution of total area thus affected over the size classes shows that it was concentrated in the last two size groups which together accounted for about 70 per cent.

(*iii*) *Regional estimates of lands affected by water logging and salinity.*—The region-wise estimates of the number of holdings and the area affected by water logging and salinity are given in the table below, while further particulars are given in the table included in Part-II.

TABLE No. 6·2

Region	Water logging				Salinity			
	No. of holdings affected (lakhs)	%	Area affected (lakh ha.)	%	No. of holdings affected (lakhs)	%	Area affected (lakh ha.)	%
1	2	3	4	5	6	7	8	9
I ..	0.98	18.4	1.14	7.6	0.20	3.8	0.21	1.4
II ..	0.55	3.4	1.64	3.2	0.16	1.0	0.11	0.2
III ..	0.62	11.7	2.21	10.9	0.07	1.4	0.11	0.5
IV ..	0.11	1.0	0.46	0.8	0.36	3.2	0.79	1.4
V ..	1.43	13.7	5.01	11.6	0.27	2.6	0.88	2.0
VI ..	0.60	14.7	1.01	10.4	..	..	..	..
State ..	4.29	8.1	11.47	5.9	1.07	2.0	2.10	1.0

Note.—The percentages are based on the corresponding Total No. of operational holdings/operated area in the respective regions, given in Part-II.

It is seen that the number of holdings affected by water logging was more in Regions-I and V being about 1 lakh or more. Within the regions, the percentage of holdings affected was higher in the Regions-I, V and VI being 14 to 18 per cent. On the other hand, the area affected was the highest in Region-V being 5 lakh ha. Within the individual regions, the percentage area affected varied from 10 to 12 per cent in Regions-III, V and VI.

The number of holdings affected by salinity in the different regions was relatively quite low being less than 0.40 lakh. The percentage of holdings affected within the regions was also quite low being less than 4 per cent. The area affected was comparetively higher in the Regions IV and V being about 0.80 lakh ha. or more. The area affected by salinity in any of the regions did not exceed 2 per cent.

CHAPTER VII

ESTIMATES OF LIVESTOCK, AGRICULTURAL IMPLEMENTS AND MACHINERY

7.1. As already stated in paragraph 1.5(*c*) of Chapter-I, under the Input Survey, besides the collection of data on the use of inputs, information was also collected on the livestock numbers, poultry, agricultural implements and machinery possessed by the selected farmers as on 15th April 1977. The estimates obtained on the basis of such data collected under the Input Survey relating to the above items are presented in the Part-II for the following categories.

(*i*) Cattle
(*ii*) Buffaloes
(*iii*) Poultry
(*iv*) Agricultural implements and machinery.

In addition, the estimates of all the above items per 100 households as also per 100 ha. of area operated are also given in separate tables in Part-II. It is, however, clarified that these estimates of the livestock and implements owned by the farming community will not be comparable with the Livestock Census statistics based on complete enumeration of the entire livestock, etc. in the State (including those held by the non-farming community).

The salient findings of the Input Survey in regard to the major items (namely livestock and agricultural implements as also agricultural machinery) are summarised below:—

STATE LEVEL FINDINGS

(A) : LIVESTOCK

(a) Cattle

7.2. The table below gives the estimated number of cattle owned by the farmers as on the 15th April, 1977:—

TABLE NO. 7.1

Region	No. of cattle (in lakhs)							
	Males (over 3 years)		Females (over 3 years)		Young stock (upto 3 years)		Total	
	Number	%	Number	%	Number	%	Number	%
1	2	3	4	5	6	7	8	9
I	.. 6.64	9	4.03	7	2.32	8	12.99	8
II	.. 18.08	23	12.75	22	6.48	21	37.31	22
III	.. 9.19	12	7.21	13	3.17	10	19.57	12
IV	.. 19.61	25	12.84	23	7.05	23	39.50	24
V	.. 15.76	20	15.17	27	8.46	27	39.39	24
VI	.. 8.19	11	5.04	9	3.65	12	16.88	10
State	.. 77.47	100	57.04	100	31.13	100	165.64	100

Number of households (in lakhs) reporting cattle			
Males (over 3 years)	Females (over 3 years)	Young stock (upto 3 years)	Total
31.60	26.00	15.97	36.90*

*Total number of households pertains to that having one or more of the categories of cattle.

The total number of cattle owned by the farmers was estimated at about 166 lakh. Out of this, 47 per cent were males, 34 per cent females and the rest 19 per cent young

stock upto 3 years. The higher proportion of bullocks in the cattle owned may be attributed to the fact that they are needed in larger numbers for agricultural operations. The Input Survey data show that nearly 94 per cent of the bullocks were employed for agricultural work. The low percentage of cows in the cattle population indicates that the farming community did not maintain these animals to an appreciable extent for dairy purposes.

7.3. It will be pertinent to mention here that the above cattle population was owned by 37 lakh farmers as indicated in the last row of the above table. This shows that out of the estimated total number of 54 lakh farmers in the State, nearly 17 lakhs (or over 30 per cent) of the farmers in the State did not maintain any cattle.

7.4. The distribution of the cattle population among the regions shows that nearly 70 per cent or more of them were accounted for by the Regions-II, IV and V (together). The distribution of the individual categories of the cattle among the regions was also approximately in the same proportion. It will be of interest to note that in the Regions-I and VI which contain mostly mono-crop districts, the cattle population is the lowest.

(b) Buffaloes

7.5. The estimated number of buffaloes as on the reference date is given in the table below:—

TABLE NO. 7.2

Region	No. of cattle (in lakhs)							
	Males (over 3 years)		Female (over 3 years)		Young stock (upto 3 years)		Total	
	Number	%	Number	%	Number	%	Number	%
1	2	3	4	5	6	7	8	9
I ..	1.88	37	0.95	4	0.56	6	3.39	9
II ..	1.50	30	10.05	45	4.22	45	15.77	43
III ..	0.49	10	2.24	10	0.55	6	3.28	9
IV ..	0.23	5	4.83	21	2.22	24	7.28	20
V ..	0.26	5	3.05	14	1.12	12	4.43	12
VI ..	0.72	14	1.44	6	0.65	7	2.81	8
State ..	5.08	100	22.56	100	9.32	100	36.96	100

Number of households (in lakh) reporting buffaloes			
Males (over 3 years)	Females (over 3 years)	Young stock (upto 3 years)	Total
2.91	13.71	6.45	16.22*

*Total number of households pertains to that having one or more of the categories of buffaloes.

7.6. The total number of buffaloes with the farming community was estimated at about 37 lakhs. Of these, over 60 per cent were she-buffaloes mainly used for dairying purposes. The above buffaloe population belonged to 16.2 lakh farmers (out of the total number of 54 lakhs) in the State. The region wise distribution of the number of the animals shows that Region-II (Pune Division) had the highest number of buffaloes (i.e. about 16 lakhs or 43 per cent of total number in the State). It is also of interest to note that out of the total number of about 23 lakh she-buffaloes in the State, about 45 per cent were in Region-II. It appears therefore, that along with farming, the cultivators in this region had also taken to dairying on a wider scale as compared with those in the other regions.

(c) Distribution of livestock according to size classes

7.7. The State level particulars of the size class-wise distribution of the livestock owned by the farmers are given in the tables below for cattle and buffaloes :—

(*i*) *Cattle*

TABLE No. 7.3

Size class of holdings	Number of cattle (in lakhs)							
	Males (over 3 years)		Females (over 3 years)		Young stock (below 3 years)		Total	
	No.	%	No.	%	No.	%	No.	%
1	2	3	4	5	6	7	8	9
Below 1 ha.	10.1	13.0	6.9	12.1	3.9	12.5	20.9	12.6
1 to 2 ha.	10.5	13.6	8.1	14.2	4.2	13.5	22.8	13.8
2 to 4 ha.	18.3	23.6	12.2	21.4	6.8	21.9	37.3	22.5
4 to 10 ha.	25.8	33.3	19.2	33.7	10.7	34.4	55.7	33.6
10 ha. and above	12.8	16.5	10.6	18.6	5.5	17.7	28.9	17.5
All size classes	77.5	100.0	57.0	100.0	31.1	100.0	165.6	100.0

Note.—The percentages are based on the total number in the respective columns.

7.8. The distribution of the cattle population over the size groups shows that approximately 55% of the total number of cattle under the respective categories was owned by the farmers having holdings of size 2 to 10 ha.

(*ii*) *Buffaloes*

TABLE No. 7.4

Size class of holdings	Number of buffaloes (in lakhs)							
	Males (over 3 years)		Females (over 3 years)		Young stock (below 3 years)		Total	
	No.	%	No.	%	No.	%	No.	%
1	2	3	4	5	6	7	8	9
Below 1 ha.	1.7	33.3	4.0	17.8	1.9	20.4	7.6	20.6
1 to 2 ha.	0.8	15.7	3.3	14.7	1.3	14.0	5.4	14.6
2 to 4 ha.	1.1	21.6	4.9	21.7	2.1	22.6	8.1	22.0
4 to 10 ha.	1.0	17.6	7.0	31.1	2.7	29.0	10.7	29.0
10 ha. and above	0.5	9.8	3.3	14.7	1.3	14.0	5.1	13.8
All size classes	5.1	100.0	22.5	100.0	9.3	100.0	36.9	100.0

Note.—Percentages are based on the total number in the respective columns.

Over 50% of the total number of she-buffaloes and young stock were owned by the farmers with holdings of size 2 to 10 ha.

REGIONWISE COMMENTS

7.9. The Table No. 13 given in the Appendix-I serves to bring out the regional disparities in the distribution of the livestock animals according to size classes of holdings of the farmers. In Region-I (i.e. Konkan tract) nearly 40% of the cattle and 50% of the buffaloes in that region were owned by the marginal farmers (with holdings of size less than 1 ha.), while those having holdings of size less than 2 ha. owned nearly 60% of the cattle and over 60% of the buffaloes. In all the three Regions-(i.e. II, IV and V) (where an appreciable percentage of the cattle population was located), it is of interest to note that over 50 per cent of the cattle were owned by the farmers having holdings of size 2 to 10 ha. In the Region-II, which had the largest buffaloe population also, the marginal farmers (with holdings of size less than 1 ha.) had the highest percentage of buffaloes viz. 30.

(d) Number of livestock per 100 operating households and per 100 ha. of operated area

7.10. Besides the estimates presented in the preceding paragraphs of this Chapter, it will be of interest also to know the number of livestock per 100 operating households to assess the animal resources per household. Similar estimates per 100 ha. of operated area will reveal whether the livestock available is sufficient to meet the farming operations. The estimates obtained in this regard from the survey are briefly discussed below in respect of the major categories of livestock namely cattle and buffaloes.

(i) Number of livestock per 100 operating households

7.11. The table below gives the State level estimates of the number of cattle and buffaloes per 100 operating households according to size classes of holdings based on the total number of operational holdings estimated for the State in the different size classes.

TABLE No. 7.5

Size class of holdings	Number of animals per 100 operating households					
	Cattle			Buffaloes		
	Males (over 3 (years)	Females (over 3 years)	Total (including young stock)	Males (over 3 years)	Females (over 3 years)	Total (including young stock)
1	2	3	4	5	6	7
Below 1 ha.	73	50	151	12	29	55
1 to 2 ha.	97	75	212	8	31	50
2 to 4 ha.	144	97	297	9	38	64
4 to 10 ha.	201	150	435	8	54	84
10 ha. and above	333	277	734	12	87	133
All size classes	139	103	298	9	41	67

A common feature noticed in respect of cattle (under both the categories) and the she-buffaloes is that their number increased with increase in the size of holdings. This indicates that bigger holders maintained more number of cattle and she-buffaloes. Further among the farmers having marginal holdings, a pair of bullocks was possessed by every 3 such farmers while in the case of the big holders (i.e. having holdings of size 10 ha. and above) 3 farmers possessed 5 pairs of bullocks on an average.

(ii) Number of livestock per 100 ha. of operated area

7.12. The table below gives the State level estimates of number of cattle and buffaloes per 100 ha. of operated area according to size classes of holdings:—

TABLE No. 7.6

Size class of holdings	Number of cattle and buffaloes per 100 ha. of operated area					
	Cattle			Buffaloes		
	Males (over 3 3 years)	Females (over 3 years)	Total (including young stock)	Males (over 3 years)	Females (over 3 years)	Total (including young stock)
1	2	3	4	5	6	7
Below 1 ha.	157	108	325	26	63	118
1 to 2 ha.	66	51	143	5	21	34
2 to 4 ha.	49	33	101	3	13	22
4 to 10 ha.	31	23	67	1	8	13
10 ha. and above	20	17	46	1	5	8
All size classes	39	29	83	3	11	18

The estimated total number of bullocks per 100 ha. was 39 while the number of he-buffaloes was 3. Hence, it is evident that he-buffaloes were rarely used for agricultural operations. It is seen that a pair of bullocks was available for carrying out the farming operations in an operated area of about 5 ha. on an average. But in view of the differing situations in the different regions, the requirements of bullock power will differ with each region.

7.13. The size class-wise distribution of the bullocks (which category is of main interest here) shows considerable variation in the different size groups. For instance, it is seen that in case of the marginal holders (with holdings of size less than 1 ha.), 157 bullocks were available per 100 ha. From the Input Survey, it is seen that there were about 210 cultivators per 103 ha. having marginal holdings. Hence, a pair of bullocks was available to every three such farmers. On the other hand, in case of the last size class (with holdings above 10 ha.) the number of pairs of bullocks available per 100 ha. was 10 corresponding to six farmers per 100 ha. in that size group. Hence, normally twopairs of bullocks on an average were available with each farmer in that size group.

(B) Agricultural Implements and Machinery

7.14. The estimates obtained from the Input Survey are discussed here in respect of the total number of agricultural implements and items of machinery, per 100 operating households under (i), and per 100 ha. of operated area under (ii).

(i) Estimates of the total number of implements per 100 households

7.15. The number of agricultural implements and items of agricultural machinery (per 100 operating households) are presented in the table below. It is clarified that the estimates relating to the "other machinery" given in the last column of the table includes miscellaneous but minor items of implements and machinery.

Table No. 7.7

Region	Number of agricultural implements and items of machinery owned per 100 operating households								
	Ploughs			Level/Lers and scrapers	Harrows and hoes	Seed drills	Total pumps	Bullock carts	Other machinery
	Wooden	Iron	Total						
1	2	3	4	5	6	7	8	9	10
I	99	....	100	2	40	..	..	8	363
II	29	21	50	18	104	41	26	27	486
III	69	20	99	13	101	52	16	42	410
IV	42	20	63	4	120	57	14	40	310
V	37	17	54	7	154	34	11	41	135
VI	119	1	121	29	65	17	1	82	458
State	50	16	66	11	105	37	14	35	343

Note.—(*i*) The estimates have been presented where the number of implements/items of machinery was at least 10 per 100 households at the State level.

(*ii*) The estimates for the remaining implements namely sprayer, duster, etc. are not presented in the table since their number was extremely small being less than 5 per 100 household.

7.16. The Input Survey data show that every 100 operating households in the State owned 66 ploughs, 105 harrows and hoes, 37 seed drills and 35 bullock carts. It is, therefore, evident that at least some of the farmers did not own or maintain some of the implements like ploughs, seed drilled and bullock-carts, but presumably they used those of the neighbouring farmers by mutual exchange of the different implements required.

7.17. The region-wise estimates reveal that in the predominently paddy growng Regions-I and VI, the number of ploughs per 100 households was 100 or more. This is in conformity with the requirement of ploughs as an essential implement in the transplanted paddy tract. In the Region-III also, the number of ploughs was 89, while in the remaining regions it was about 60 or less. The number of iron plough-improved implement was about 20 per 100 households in each of the Regions-II, III, IV and V. The farmers in the Regions-IV and V had relatively large number of harrows and hoes, particularly since these are major millet-cotton tracts requiring harrowing and inter-culturing operations. On the other hand, in the two paddy Regions-I and VI, the number of these implements was much smaller being not needed in the cultivation of transplanted paddy. For similar reasons the number of seed drills in the Regions-I and VI was very small as compared with that in the remaining regions.

7.18. The number of pumps was comparatively more in the Region-II, as the number of wells is the largest in this region.

7.19. The number of bullock-carts was the highest in the Region-VI being 82 per 100 households while it was about 40 in each of the Regions-III, IV and V.

(ii) Estimates per 100 hectares of operated area

7.20. The estimates relating of agricultural implements and machinery per hectares of operated area are given below:—

TABLE NO. 7.8

Region	Number of implements and items of machinery owned per 100 ha. of operated area							
	Ploughs			Harrows and hoes	Seed drills	Total pumps	Bullock carts	Other machinery
	Wooden	Iron	Total					
1	2	3	4	5	6	7	8	9
I ..	35	..	35	14	..	..	3	129
II ..	9	7	16	33	13	3	3	154
III ..	18	5	23	26	13	4	11	105
IV ..	9	4	13	25	12	3	8	64
V ..	9	4	13	37	8	3	10	32
VI ..	49	1	49	26	7	1	33	187
State ..	14	4	18	29	10	4	10	95

Note.—The estimates have been furnished in the above table where the number of implements/items of machinery was at least 4 at the State level.

7.21. The estimated number of agricultural implements owned by the operating households per 100 ha. in the State worked out at 18 ploughs (of which 14 were wooden and 4 were iron), 20 harrows and hoes, 10 seed drills, 4 pumps and 10 bullock-carts. It is noteworthy that in respect of most of the implements there was very little variation in the regional estimates.

Size class distribution of agricultural implements, etc. owned by cultivating households

7.22. From the table given in Part-II relating to the number of agricultural implements and machinery per 100 operating households according to size class distribution of holdings, it is seen that the number of ploughs increased from 43 to 134 with the increase in the size of holdings. Thus while every 5 farmers in case of the marginal holdings had 2 ploughs, the big farmers had more than a plough each on an average i.e. 3 such farmers had four ploughs. Similar pattern was noticed in the number of other major implements and items of machinery.

(Signed).....

Pune, 19th February 1980

Deputy Commissioner,
(Agricultural Census)

ANNEXTURE-I

Sampling procedure used in the Input Survey

The sample already selected for the Timely Reporting Scheme for the year 1976-77 was adopted for the Sample Agricultural Census also. The sampling procedure adopted in the Timely Reporting Scheme was as follows :—

The sampling plan adopted was one of the stratified unistage sampling, with a revenue circle as the stratum and village as the sampling unit. All the patwari sazas in Revenue Inspector's Circle were first randomly arranged as also villages in each patwari saza. From the list of villages, thus formed for each revenue circle, a systematic sample of one in five villages was selected so as to generate a 20 per cent sample for the State. The samples for the subsequent four years were also drawn, taking the 2nd, 3rd, 4th and 5th village in the random order of villages in the Revenue Inspector's Circle, as the starting point for the systematic sampling as above. Thus in the course of five years, the entire population of villages in the stratum is covered.

12 per cent sub-sample of the above sample was selected for the checking of the area enumeration done by the talathis on a rationalised basis by trained statistical personnel. Selection of the sub-sample was jointly done by the State statistical staff and the staff of the National Sample Survey Organisation located at Pune. This very sub-sample comprising of 810 villages was adopted for the Input Survey also as desired by the Government of India.

ANNEXURE-II

Statement giving the number of villages selected in each district

Region	Serial No.	District	No. of villages selected
I (Coastal)	1	Thane ..	16
	2	Kulaba ..	16
	3	Ratnagiri ..	16
		Regional Total ..	48
II (Inland Western)	4	Ahmednagar ..	50
	5	Pune ..	38
	6	Solapur ..	50
	7	Satara ..	26
	8	Sangli ..	26
	9	Kolhapur ..	16
		Regional Total ..	206
III (Inland Northern)	10	Nashik ..	34
	11	Dhule ..	30
	12	Jalgaon ..	30
		Regional Total ..	94
IV (Inland Central)	13	Aurangabad ..	48
	14	Parbhani ..	44
	15	Beed ..	34
	16	Nanded ..	32
	17	Osmanabad ..	44
		Regional Total ..	202
V (Inland Eastern)	18	Buldhana ..	34
	19	Akola ..	42
	20	Amravati ..	40
	21	Yavatmal ..	42
	22	Wardha ..	22
	23	Nagpur ..	26
		Regional Total ..	206
VI (Eastern)	24	Bhandara ..	22
	25	Chandrapur ..	32
		Regional Total ..	54
		State Total ..	810

ANNEXURE-III

Estimation Procedure for Input Characteristics

(1) Let Yijp be the value of characteristic in the pth holding of jth village of the ith taluka in a particular size class (say Kth).

(2) Nij .. Total No. of holdings in the jth selected village of the ith taluka.

(3) Nij (K) .. Total number of holdings in the jth selected village of the ith taluka having at least one value of characteristic under study in Kth size class.

(4) nij .. No. of holdings sampled in the jth selected village of the ith taluka.

(5) nij (K) .. No. of holdings sampled in the jth selected village of the ith taluka having at least one value of characteristic under study in the Kth size class.

(6) ni .. No. of villages selected in the ith taluka for collection of data on inputs.

(7) Ni (K) .. No. of villages selected in the ith taluka having at least one value of characteristic under study in Kth size class.

(8) Ni .. Total No. of villages in the ith taluka.

(9) Ni (K) .. Total No. of villages in the ith taluka having at least one value of characteristic under study in Kth size class.

(10) $\hat{YI}$ (K) .. The estimate of characteristic under study for the ith taluka in Kth size class.

(11) $\hat{YD}$ (K) .. The estimate of characteristic under study for the district in Kth size class.

(12) L .. No. of talukas in the district.

$$\hat{YT}(K) = \frac{Ni(K)}{ni(K)} \sum_{j=1}^{ni(K)} \frac{Nij(K)}{nij(K)} \sum_{p=1}^{nij(K)} Yijp$$

$$\hat{YD}(K) = \frac{1}{i=1} \frac{Ni(K)}{ni(K)} \sum_{j=1}^{ni(K)} \frac{Nij(K)}{nij(K)} \sum_{p=1}^{nij(K)} Yijp$$

$$\hat{V}\,\hat{YD}(K) = \sum_{i=1}^{i} Ni(K) \frac{[Ni(K) - ni(K)]}{ni(K)[ni(K) - 1]} \sum_{j=1}^{ni(K)} Y(ij - Yi)2$$

where $$Yij = \frac{1}{nij(K)} \sum_{p=1}^{nij(K)} Yijp$$

$$\overline{Yi} = \frac{1}{ni(K)} \sum_{j=1}^{ni(K)} Yij$$

Since the values of Nij (K) & Ni (K) are not known in the current Census, the above formulae have been simplified as—

$$\text{as } \frac{nij(K)}{Nij(K)} = \frac{nij}{Nij} \;\&\; \frac{ni(K)}{ni(K)} = \frac{ni}{Ni}$$

$$\hat{YT}(K) = = \frac{Ni}{ni} \sum_{j=1}^{ni(K)} \frac{Nij}{nij} \sum_{p=1}^{nij(K)} Yijp$$

$$\hat{YD}(K) = \frac{1}{i=1} \frac{Ni}{ni} \sum_{j=1}^{ni(K)} \frac{Nij}{nij} \sum_{p=1}^{nij(K)} Yijp$$

$$\hat{V}\,[\hat{YD}(K) = \frac{1}{i=1} \frac{Ni\ ni(K)(Ni = ni)}{2} \sum_{i=x}^{ni(K)} (\overline{Yij} - Yi)^2$$

$$ni\,[ni(K) = 1] \qquad j = 1$$

$$\%\ S.E. = \frac{\sqrt{V(YD(K))}}{\overline{YD(K)}} \times 100$$

APPENDIX I

TABLE NO. 1

Estimated quantity of fertilizers applied to irrigated and unirrigated crops.

(Figures in metric tons)

Crop/Input	Paddy		Bajri		Kh. jowar		Cotton		Rabi jowar		Wheat		Total (all crops)	
	I.	U.I	I.	U.i.	I.	U.I.	I.	U.I.	I.	U.I.	I.	U.I.	I.	U.I.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ammonium sulphate ..	814	6,304	73	915	160	704	1,098	650	602	707	1,975	581	4,722	9,861
Super phosphate ..	1,282	1,244	13	1,754	39	2,007	1,800	2,454	1,145	201	8,091	36	12,370	7,696
Urea	12,437	23,610	1,666	9,710	5,349	48,214	4,727	27,563	3,104	2,303	46,195	3,684	73,478	1,15,084
Ferti. mixtures ..	11,425	28,793	539	8,028	4,051	48,296	2,773	22,232	3,900	3,710	40,418	1,716	63,106	1,12,775
Total Chemical Fertilizers	25,958	59,951	2,291	20,407	9,599	99,221	10,398	52,899	8,751	6,921	96,679	6,017	1,53,676	2,45,416

TABLE NO. 2

Consumption of Urea according to size class of Holdings in the State

(Figures in metric tons)

Size class of holdings (ha.)	Estimated quantity of urea applied to the principal crops													
	Paddy		Bajri		Kh. jowar		Cotton		Rabi jowar		Wheat		Total (all crops)	
	I	U.I.	I.	U.I.	I.	U.I.	I.	U.I.	I.	U.I.	I.	U.I.	I.	U.I.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Below 1.00 ..	2,192	4,927	54	265	637	2,572	150	356	268	484	4,167	129	7,468	8,733
1.00 to 1.99 ..	2,328	4,730	197	691	609	5,778	451	2,519	312	393	6,037	957	9,934	15,068
2.00 to 3.99 ..	2,353	5,648	230	1,512	1,057	10,946	1,020	4,503	599	437	9,621	643	14,880	23,689
4.00 to 9.99 ..	3,623	5,641	879	5,564	2,083	16,005	1,837	12,518	791	816	15,751	1,281	24,964	41,825
10.00 ha. and above ..	1,941	2,664	306	1,678	963	12,913	1,269	7,667	1,134	173	10,619	674	16,232	25,769
All size classes together ..	12,437	23,610	1,666	9,710	5,349	48,214	4,727	27,563	3,104	2,303	46,195	3,684	73,478	1,15,084

APPENDIX I—*contd.*

TABLE NO. 2—*contd.*

Consumption of Fertilizer mixtures according to size class of Holdings in the State

(Figures in metric tons)

Size class of holdings	Estimated quantity of fertilizer mixtures applied to principal crops													
	Paddy		Bajri		Kh. jowar		Cotton		Rabi jowar		Wheat		Total (all crops)	
	I	U.I.	I	U.I.	I	U.I.	I	U.I.	I	U.I.	I	U.I.	I.	U.I.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Below 1.00 ..	1,647	7,958	11	123	342	2,119	12	339	254	85	3,267	29	5,533	10,653
1.00 to 1.99 ..	1,902	4,090	17	680	725	7,832	329	1,668	441	938	4,368	35	7,782	15,243
2.00 to 3.99 ..	2,413	7,362	142	1,188	844	10,743	611	3,058	356	1,175	8,559	152	12,925	23,678
4.00 to 9.99 ..	3,576	6,764	295	4,418	1,701	15,044	915	9,066	1,057	330	14,483	657	22,027	36,279
10.00 ha. and above ..	1,887	2,619	74	1,619	439	12,558	906	8,101	1,792	1,182	9,741	843	14,839	26,922
All size classes together ..	11,425	28,793	539	8,028	4,051	48,296	2,773	22,232	3,900	3,710	40,418	1,716	63,106	1,12,775

TABLE NO. 3

Estimated quantity of organic manures applied to irrigated and unirrigated crops

(Figures in metric tons)

Crop/Input	Paddy		Bajri		Kh. jowar		Cotton		Rabi jowar		Wheat		Total (all crops)	
	I	U.I.	I	U.I.	I	U.I.	I	U.I.	I	U.I.	I.	U.I.	I	U.I.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
F.Y.M.	11,700	43,385	2,641	23,012	4,804	40,191	1,003	46,876	4,342	17,713	8,531	2,904	33,021	1,74,081
Compost ..	3,939	13,805	99	206	4,061	15,008	....	10,503	6,548	8,262	4,846	333	19,493	48,117
Total Organic Manures ..	15,639	57,190	2,740	23,218	8,865	55,199	1,003	57,379	10,890	25,975	13,377	3,237	52,514	2,22,198

APPENDIX I—*Contd.*

TABLE No. 4

Consumption of farm yard manure according to size class of holdings in the State

(Figures in metric tons)

Size class of holdings (ha.)	Estimated quantity of farm yard manure applied to principal crops													
	Paddy		Bajri		Kh. jowar		Cotton		Rabi jowar		Wheat		Total (all crops)	
	I	U.I.	I	U.I.	I	U.I.	I	U.I.	I	U.I.	I	U.I.	I.	U.I.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Below 1.00 ..	1,899	11,597	168	844	626	1,363	16	565	196	756	636	133	3,541	15.258
1.00 to 1.99 ..	2,159	7,288	225	1,807	423	3,594	63	2,776	468	1,515	1,348	160	4,686	17,140
2.00 to 3.99 ..	2,612	10,727	451	3,140	633	7,520	164	7,206	876	3,078	2,485	558	7,221	32,229
4.00 to 9.99 ..	3,754	10,651	1,267	10,907	2,280	11,764	394	20,992	1,610	7,642	2,284	1,258	11,589	63,214
10.00 and above ..	1,276	3,122	530	6,314	842	9,950	366	15,337	1,192	4,902	1,778	795	5,984	40,420
All size classes together.	11,700	43,385	2,641	23,012	4,804	40,191	1,003	46,876	4,342	17,713	8,531	2,904	33,021	1,68,261

APPENDIX-I—*Contd.*

TABLE NO. 5

Region-wise estimated quantity of chemical fertilizers applied to six principal crops (taken together)

(Quantity in metric tons)

Region	Ammonium sulphate		Super-phosphate		Urea		Fertilizer mixtures		Total	
	Quantity	%	Quantity	%	Quantity	%	Quantity	%	Quantity	%
1	2	3	4	5	6	7	8	9	10	11
I ..	5195	36	58	N	9460	5	7994	5	22707	6
	(23)		(N)		(42)		(35)		(100)	
II ..	4489	31	8056	40	45327	24	43110	24	100982	25
	(4)		(8)		(45)		(43)		(100)	
III ..	3578	24	4235	21	47745	25	22195	13	77753	19
	(5)		(5)		(61)		(29)		(100)	
IV ..	279	2	1837	9	19806	11	28869	16	50791	13
	(N)		(4)		(39)		(57)		(100)	
V ..	698	5	4894	25	58301	31	61049	35	124942	31
	(N)		(4)		(47)		(49)		(100)	
VI ..	344	2	986	5	7923	4	12664	7	21917	6
	(2)		(4)		(36)		(58)		(100)	
State ..	14583	100	20066	100	188562	100	175881	100	399092	100
	(4)		(5)		(47)		(44)		(100)	

Note.—(*i*) Figures in brackets are percentages based on the corresponding regional total given in column No. 10.
(*ii*) N=Negligible i.e. less than 1%.

TABLE NO.5—*Contd.*

Region-wise estimated quantity of organic manures applied to six principal crops (taken together)

(Quantity in metric tons)

Region	F.Y.M.		Compost		Total	
	Quantity	%	Quantity	%	Quantity	%
1	2	3	4	5	6	7
I	8352	4	2894	4	11246	4
	(74)		(26)		(100)	
II	42026	20	7589	11	49615	18
	(85)		(15)		(100)	
III	28658	14	937	1	29595	11
	(97)		(3)		(100)	
IV	52471	25	27848	41	80319	29
	(65)		(35)		(100)	
V	59172	29	26171	39	85343	31
	(69)		(31)		(100)	
VI	16423	8	2171	3	18594	7
	(88)		(12)		(100)	
State	207102	100	67610	100	274712	100
	(75)		(25)		(100)	

Note.—Figures in brackets are percentages based on the corresponding regional total given in column No. 6.

APPENDIX-I—*Contd.*

TABLE NO. 6

Estimated net number Of holdings and net total area of six principal crops (together) treated with chemical fertilizers in Maharashtra State.

Size Class of holdings	Holdings and area receiving chemical fertilizers											
	Irrigated						Unirrigated					
	No. of holdings (in lakhs)	S. E. (in lakhs)	per cent S.E.	Area (in lakh ha.)	S. E. (in lakh ha.)	per cent S. E.	No. of holdings (in lakhs)	S. E. (in lakhs)	per cent S. E.	Area (in lakh ha.)	S. E. (in lakh ha.)	per cent S.E.
1	2	3	4	5	6	7	8	9	10	11	12	13
Below 1 ha.	1.65	0.17	10.3	0.61	0.09	15.3	4.15	0.85	20.4	1.33	0.19	14.5
1 to 2 ha.	1.50	0.14	9.7	0.92	0.10	10.3	2.77	0.21	7.7	2.15	0.20	9.2
2 to 4 ha.	2.12	0.16	7.5	1.61	0.14	9.0	3.30	0.23	6.9	3.65	0.32	8.8
4 to 10 ha.	2.69	0.18	6.7	3.20	0.28	8.7	3.55	0.23	6.5	6.78	0.54	7.9
10 ha. and above	1.09	0.07	6.1	1.93	0.19	10.0	1.40	0.09	6.6	4.92	0.41	8.4
All size classes together ..	9.06	0.34	3.7	8.27	0.39	4.8	15.16	0.94	6.2	18.83	0.80	4.2

Note.—(*i*) The individual figures may not add up to the total due to rounding.
(*ii*) S.E.: Standard error of the estimate of the preceding columns.

TABLE NO. 7

Estimated net number of holdings and net total area of six principal crops (together) treated with organic manures in Maharashtra State.

Size Class of holdings	Holdings and area receiving organic manures											
	Irrigated						Unirrigated					
	No. of holdings (in lakhs)	S. E. (in lakhs)	per cent S.E.	Area (in lakh ha.)	S. E. (in lakh ha.)	per cent S. E.	No. of holdings (in lakhs)	S. E. (in lakhs)	per cent S. E.	Area (in lakh ha.)	S. E. (in lakh ha.)	per cent S.E
1	2	3	4	5	6	7	8	9	10	11	12	13
Below 1 ha. ..	1.50	0.19	12.7	0.50	0.08	15.7	6.69	0.87	13.0	2.21	0.20	9.1
1 to 2 ha.	1.08	0.15	13.7	0.70	0.10	14.2	4.14	0.23	5.7	3.32	0.22	6.6
2 to 4 ha.	1.37	0.12	8.5	1.21	0.13	10.5	5.00	0.23	4.5	6.27	0.33	5.3
4 to 10 ha. ..	1.80	0.13	7.2	2.27	0.23	10.3	5.61	0.24	4.3	13.63	0.73	5.4
10 ha. and above	0.68	0.05	7.9	1.38	0.18	13.2	1.91	0.12	6.0	9.42	0.62	6.6
All size classes together ..	6.44	0.30	4.7	6.06	0.35	5.7	23.36	0.97	4.1	34.85	1.06	3.0

Note.—(*i*) The individual figures may not add up to the total due to rounding.
(*ii*) S.E.: Standard error of the estimate of the preceding columns.

APPENDIX-I—*Contd.*

TABLE NO. 8

Estimated net number of holdings and net total area of six principal crops (together) treated with pesticides in Maharashtra State.

Size Class of holdings	Holdings and area receiving pesticides											
	Irrigated						Unirrigated					
	No. of holdings (in lakhs)	S. E. (in lakhs)	per cent S.E.	Area (in lakh ha.)	S. E. (in lakh ha.)	per cent S. E.	No. of holdings (in lakhs)	S. E. (in lakhs)	per cent S. E.	Area (in lakh ha.)	S. E. (in lakh ha.)	per cent S.E.
1	2	3	4	5	6	7	8	9	10	11	12	13
Below 1 ha.	0.30	0.06	21	0.11	0.02	23	1.52	0.18	12	0.53	0.06	11
1 to 2 ha.	0.19	0.03	16	0.11	0.02	20	1.26	0.14	11	1.00	0.12	12
2 to 4 ha.	0.38	0.07	20	0.27	0.06	22	1.50	0.16	11	1.49	0.19	13
4 to 10 ha.	0.54	0.08	14	0.62	0.13	20	1.82	0.15	9	3.01	0.31	10
10 ha. and above	0.33	0.05	15	0.55	0.11	20	0.87	0.07	8	2.57	0.30	12
All size classes together ..	1.75	0.14	8	1.66	0.18	11	6.96	0.32	5	8.59	0.49	6

Note.—(*i*) The individual figures may not add up to the total due to rounding.
(*ii*) S.E.: Standard error of the estimate of the preceding columns.

APPENDIX-I—*Contd.*

TABLE No. 9

Area under six principal crops and treated with input

Crop	Area under the crop		Area treated with fertilizers									
			Ammonium sulphate		Superphosphate		Urea		Fertilizer mixtures		All chemical fertilizers	
	I	U. I.	I	U. I.	I	U. I.	I	U. I.	I	U. I.	I	U. I.
1	2	3	4	5	6	7	8	9	10	11	12	13
Paddy	3.33	13.14	0.08	0.70	0.16	0.16	1.26	2.57	1.05	2.43	2.55 (21)	5.86 (23)
Bajri	0.68	16.38	0.01	0.18	N	0.26	0.20	1.40	0.05	0.86	0.26 (2)	2.70 (11)
Kharif jowar	1.09	36.16	0.01	0.08	N	0.19	0.48	5.25	0.30	4.24	0.80 (7)	9.76 (38)
Cotton	0.44	19.44	0.04	0.08	0.07	0.18	0.28	2.87	0.16	2.33	0.55 (4)	5.46 (22)
Rabi jowar	3.09	27.36	0.03	0.18	0.07	0.04	0.39	0.23	0.27	0.40	0.78 (7)	0.85 (3)
Wheat	5.87	4.87	0.12	0.02	0.60	N	3.75	0.47	2.70	0.19	7.17 (59)	0.68 (3)
Gross area : (one or more crops)	14.50	117.34	0.29 (2)	1.25 (1)	0.90 (6)	0.84 (N)	6.36 (44)	12.79 (11)	4.54 (31)	10.45 (9)	12.09 (83)	25.33 (22)

APPENDIX-I—*Contd.*

TABLE NO. 9—*Contd.*

Crop	Area treated with											
	Organic manures						Pesticides				gross area treated with pesticides	
	F.Y.M.		Compost		Total organic manures		Dusting		Spraying			
	I	U. I.	I	U. I.	I	U. I.	I	U. I.	I	U. I.	I	U. I.
	14	15	16	17	18	19	20	21	22	23	24	25
Paddy	2.19	6.61	0.48	0.94	2.67 (44)	7.55 (21)	0.10 (16)	1.24 (26)	0.16 (12)	0.45 (7)	0.26	1.69
Bajri	0.38	3.75	0.01	0.03	0.39 (6)	3.78 (11)	N (N)	0.13 (3)	0.01 (N)	0.05 (1)	0.01	0.18
Kharif jowar	0.49	8.84	0.06	0.77	0.55 (9)	9.61 (27)	0.15 (24)	2.31 (48)	0.21 (15)	2.80 (47)	0.36	5.11
Cotton	0.14	7.49	...	0.42	0.14 (2)	7.91 (23)	0.11 (18)	1.04 (22)	0.29 (21)	2.65 (44)	0.40	3.69
Rabi jowar	1.22	5.05	0.11	0.16	1.33 (22)	5.21 (15)	0.03 (5)	0.05 (1)	0.05 (4)	0.04 (1)	0.08	0.09
Wheat	0.98	0.79	0.09	0.12	1.07 (17)	0.91 (3)	0.23 (37)	0.03 (N)	0.66 (48)	0.03 (N)	0.89	0.06
Gross area (one or more crops)	5.41 (37)	32.54 (28)	0.74 (5)	2.44 (2)	6.15 (42)	34.98 (30)	0.62 (4)	4.79 (4)	1.37 (9)	6.02 (5)	1.99	10.81

Note.—(1) N=Negligible *i.e.* less than 1%.
(2) M=Meagre *i.e.* less than 0.01 lakh ha.
(3) Figures in brackets are percentages based on the gross irrigated/unirrigated treated area.
(4) Percentages in cols. 12 and 13 (last row) are based on the total gross irrigated/unirrigated area under the six crops (taken together) given in cols. 2 and 3.

APPENDIX I—*contd.*

TABLE NO. 10

Estimated rates of application of the major inputs to each crop in the State.

Size class of holdings	Rate of application per ha.					
	Paddy					
	Urea		Ferti. mix.		F. Y. M.	
	I. Kg.	U. I. Kg.	I. Kg.	U. I. Kg.	I. Q.	U. I. Q.
1	2	3	4	5	6	7
Below 1 ha. ..	142	143	167	153	75	91
1 to 2 ha. ..	120	119	128	148	59	68
2 to 4 ha. ..	92	84	117	115	51	66
4 to 10 ha. ..	82	71	88	103	49	57
10 ha. & above ..	91	74	98	78	41	41
All size classes ..	99	92	108	132	50	66

Bajri						Kh. Jowar			
Urea		Ferti. mix.		F. Y. M.		Urea		Ferti. mix.	
I. Kg.	U. I. Kg.	I. Kg.	U. I. Kg.	I. Q.	U. I. Q.	I. Kg.	U. I. Kg.	I. Kg.	U. I. Kg.
8	9	10	11	12	13	14	15	16	17
180	124	95	92	76	80	112	110	185	153
88	59	121	73	50	63	137	97	192	152
78	76	101	85	60	49	122	102	170	122
75	70	89	98	74	78	111	88	96	108
107	63	159	104	66	48	92	85	148	96
82	69	99	93	70	61	111	92	129	114

Size class of holdings	Kh. Jowar		Cotton			
	F. Y. M.		Urea		Ferti. mix.	
	I. Kg.	U. I. Q.	I. Kg.	U. I. Kg.	I. Kg	U. I. Kg.
	18	19	20	21	22	23
Below 1 ha. ..	112	79	195	151	203	145
1 to 2 ha. ..	95	66	210	107	220	108
2 to 4 ha. ..	79	67	206	116	167	116
4 to 10 ha. ..	114	58	165	96	175	90
10 ha. and above ..	76	43	137	83	153	92
All size classes ..	98	58	167	96	178	95

Cotton		Rabi Jowar						Wheat					
F.Y.M.		Urea		Ferti. mix.		F.Y.M.		Urea		Ferti. mix.		F.Y.M.	
I. Q.	U. I. Q.	I Kg.	U. I. Kg.	I Kg	U. I. Kg.	I. Q.	U. I. Q.	I. Kg.	U. I. Kg.	I. Kg.	U. I. Kg.	I. Q.	U. I. Q.
24	25	26	27	28	29	30	31	32	33	34	35	36	37
59	87	125	143	183	122	66	67	176	89	193	132	91	69
90	60	128	135	127	174	55	56	139	138	162	142	183	37
63	76	80	85	108	160	33	40	128	89	147	208	129	39
75	65	68	112	90	77	39	30	108	66	143	99	73	49
73	55	113	44	206	54	28	34	122	54	147	73	67	34
72	63	91	102	136	94	35	35	123	78	150	89	92	42

Note.—The estimates may not be well determined in case of fertilize mixtures for bajri (both for irr. and dry crop), rabi jowar (dry) and wheat (dry)and of urea for rabi jowar (dry) and wheat (dry) as the area benefited was relatively low.

APPENDIX I—*contd.*

TABLE NO. 11

Estimated rates of application of the major inputs to each crop in different Regions

Region	Paddy						Kh. Jowar					
	Urea		Ferti. mix.		F. Y. M.		Urea		Ferti. mix.		F. Y. M.	
	I. Kg.	U. I Kg.	I. Kg.	U. I. Kg.	I. Q.	U. I. Q.	I Kg.	U. I. Kg.	I. Kg.	U. I. Kg.	I. Q.	U. I. Q.
1	2	3	4	5	6	7	8	9	10	11	12	13
I ..	145	105	120	122	60	48	..	..	..	..	..	..
II ..	169	100	211	175	82	101	109	111	163	147	88	62
III ..	167	103	138	84	114	51	126*	108	69*	153	181	80
IV ..	74	78	100	73	163	125	113*	80	96*	95	83	67
V ..	95	91	79	112	33	55	80*	82	99*	108	15	44
VI ..	70	55	98	73	46	36	..	115	..	50	..	32
State ..	99	92	108	124	50	66	111	92	129	114	98	58

Region	Cotton						Wheat					
	Urea		Ferti. mix.		F. Y. M.		Urea		Ferti. mix.		F. Y. M.	
	I Kg.	U. I. Kg.	I. Kg.	U. I. Kg.	I. Q.	U. I. Q.	I. Kg.	U I. Kg.	I. Kg.	U. I. Kg.	I. Q.	U. I. Q.
	14	15	16	17	18	19	20	21	22	23	24	25
I	..	..	..	..	..	..	..	..	..	..	..	..
II	199	..	197	..	97	..	149	98	163	91	72	46
III	..	..	..	..	..	..	101	124	166	82	148	56
IV	175	90	179	109	135	56	91	60	142	93	137	65
V	93	90	143	92	52	64	112	57	143	90	61	33
VI	83	66	83	50	83	30	71	46	100	84	63	15
State	161	96	178	95	72	63	123	78	150	89	92	42

*In these cases, the area treated under the irrigated crop was relatively low. Hence, the estimates may not be well determined.

APPENDIX I—*contd.*

TABLE NO. 12

The comparative estimates based on Input Survey (1976-77) and 26th Round of N.S.S.O. (1971-72)

(No. of holdings in lakhs)
(Area in lakh ha.)

Crop		Estimated no. of holdings and area under crop and treated with urea and fertilizer mixtures.											
		No. of holdings growing the crop		Area under the crop		Area treated with urea		Quantity of urea applied in M.T.		Area treated with ferti. mixtures		Quantity of ferti. mixtures applied in M. T.	
		N.S.S.O.	Input Survey	N.S.S.O.	Input Survey	N.S.S.O.	Input Survey	N.S.S.O.	Input Survey	N.S.S.O	Input Survey	N.S.S.O.	Input Survey
1		2	3	4	5	6	7	8	9	10	11	12	13
Paddy	.. I.	4.03	4.44	4.11	3.33	0.27	1.26	3,682	12,437	0.66	1.05	9,978	11,423
	.. U.I.	17.15	19.00	15.58	13.14	0.83	2.57	5,563	23,610	2.10	2.43	25,768	28,775
Bajri	.. I.	1.87	1.24	1.67	0.68	0.34	0.20	4,221	1,666	0.15	0.05	1,130	539
	.. U.I.	8.11	10.00	13.47	16.38	0.37	1.40	2,420	9,710	0.36	0.86	2,815	8,057
Total jowar (Kharif -rabi)	.. I.	*	*	4.56	4.18	0.48	0.87	3,858	8,425	0.59	0.51	18,903	7,951
	.. U.I.	..	..	52.21	63.51	0.85	5.49	3,819	50,517	0.98	4.64	5,873	51,951
Cotton	.. I.	1.59	0.75	1.01	0.44	0.30	0.28	3,630	4,727	0.16	0.16	2,650	2,775
	.. U.I.	10.34	9.34	21.95	19.44	0.74	2.87	3,370	27,563	0.55	2.33	5,530	22,232
Wheat	.. I.	5.60	9.14	3.72	5.87	0.81	3.75	10,952	46,195	0.43	2.70	8,640	40,418
	.. U.I.	4.13	5.37	NA.	4.87	NA.	0.47	NA.	3,684	NA.	0.19	NA.	1,708
Total	.. I	..	..	15.07	14.50	2.20	6.36	26,343	73,950	1.99	4.49	41,301	63.106
	U.I.	..	..	103.21	117.34	2.79	12.80	15,172	1,15,295	3.99	10.45	39,986	1,12,725

* Comparable estimates not available.
NA = Not available.

APPENDIX I—*contd.*

TABLE NO. 13

Size class-wise distribution of the number of cattle and buffaloes in the different regions of Maharashtra State

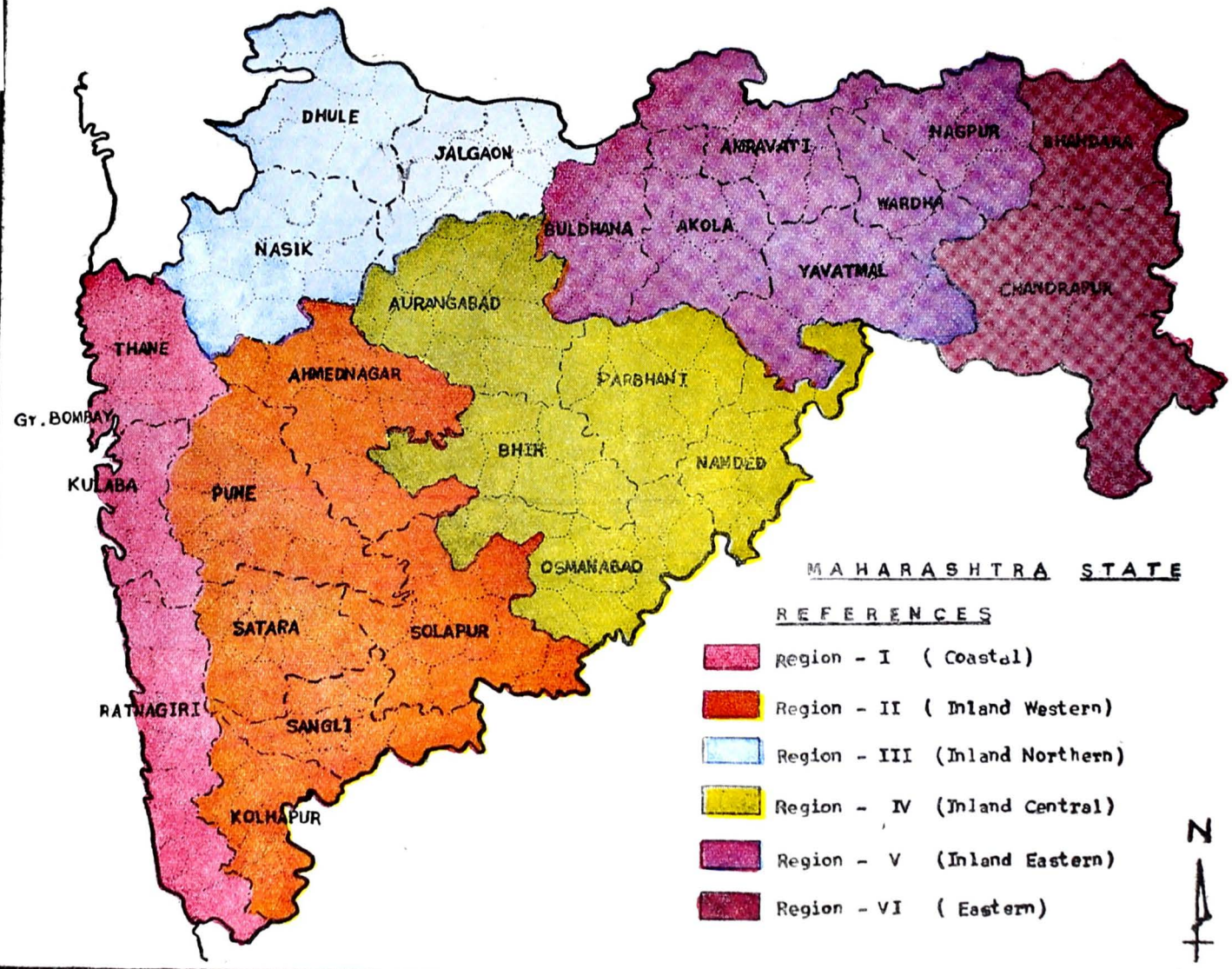
Size class of holdings	Numbes of cattle (C) and Buffaloes (B) in lakhs											
	Region-I		Region-II		Region-III		Region-IV		Region-V		Region-VI	
	C	B	C	B	C	B	C	B	C	B	C	B
1	2	3	4	5	6	7	8	9	10	11	12	13
Below 1 ha.	5.0 (38.7)	1.6 (48.5)	7.0 (18.7)	4.7 (29.7)	2.0 (10.2)	0.4 (12.1)	2.1 (5.3)	0.5 (6.8)	1.6 (4.1)	0.2 (4.4)	3.2 (18.9)	0.2 (7.5)
1 to 2 ha	2.5 (19.4)	0.5 (15.1)	6.0 (16.1)	3.1 (19.7)	2.8 (14.4)	0.4 (12.1)	4.0 (10.1)	0.6 (8.2)	4.6 (11.7)	0.4 (8.9)	2.9 (17.2)	0.4 (14.8)
2 to 4 ha.	2.2 (17.1)	0.6 (18.2)	8.1 (21.6)	3.4 (21.5)	4.6 (23.6)	0.7 (21.2)	9.2 (23.3)	1.8 (24.7)	8.5 (21.6)	0.8 (17.8)	4.7 (27.8)	0.8 (29.6)
4 to 10 ha.	2.4 (18.6)	0.4 (29.3)	10.7 (28.7)	3.4 (21.5)	7.1 (36.4)	1.3 (39.4)	16.0 (40.5)	2.9 (39.7)	14.7 (37.2)	1.7 (37.8)	4.7 (27.8)	1.2 (37.0)
10 ha. and above ..	0.8 (6.2)	0.2 (6.1)	5.5 (14.7)	1.2 (7.6)	3.0 (15.4)	0.5 (15.2)	8.2 (20.8)	1.5 (20.5)	10.0 (25.4)	1.4 (31.1)	1.4 (8.3)	0.3 (11.1)
All size classes together	12.9 (100.0)	3.4 (100.0)	37.3 (100.0)	15.8 (100.0)	19.5 (100.0)	3.3 (100.0)	39.5 (100.0)	7.3 (100.0)	39.4 (100.0)	4.5 (100.0)	16.9 (100.0)	2.7 (100.0)

Note.—Figures in brackets are percentages based on the total for the respective columns.

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APPENDIX - II

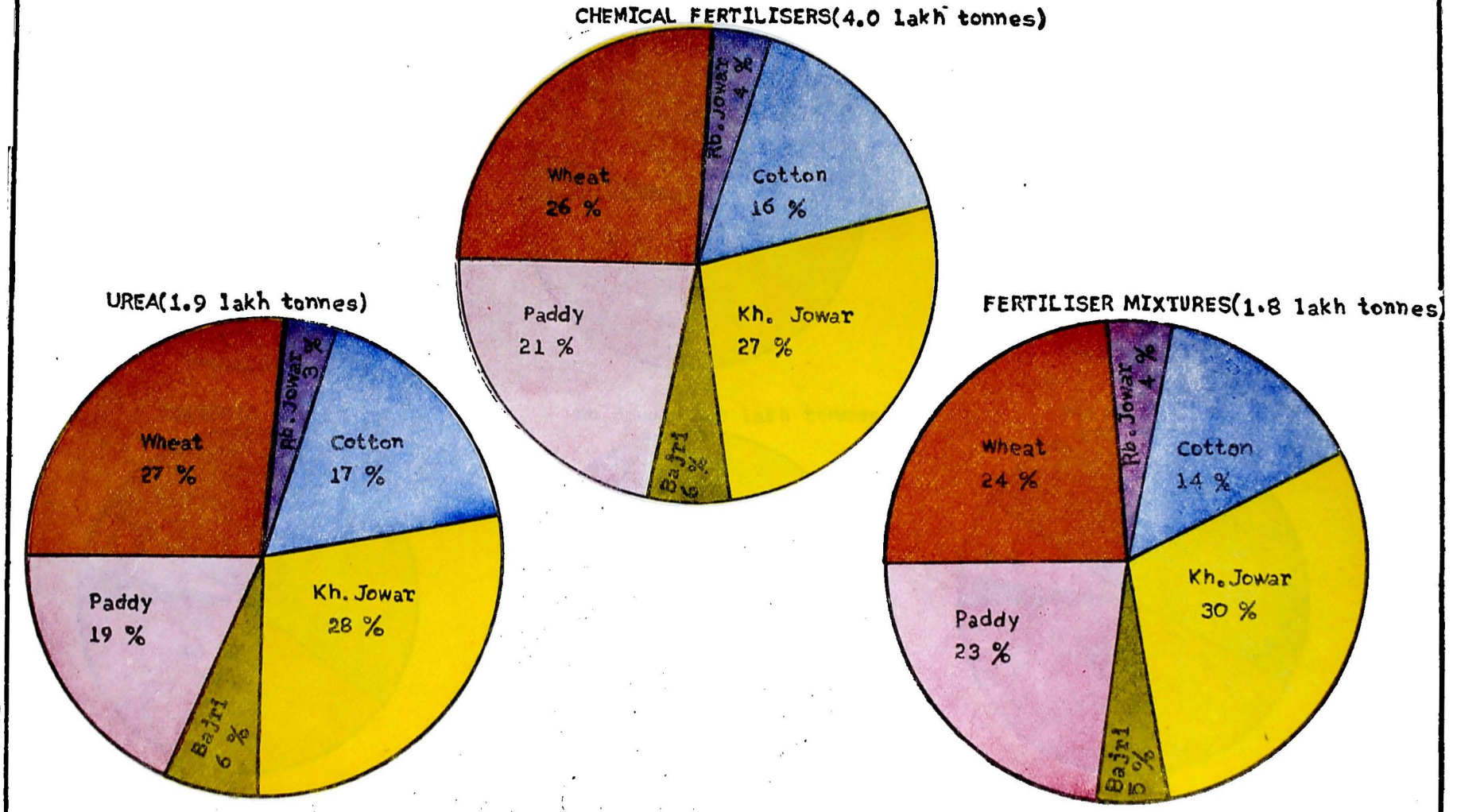
MAP OF MAHARASHTRA STATE SHOWING BOUNDARIES OF SIX REGIONS



APPENDIX - III

INPUT SURVEY 1976-77 MAHARASHTRA

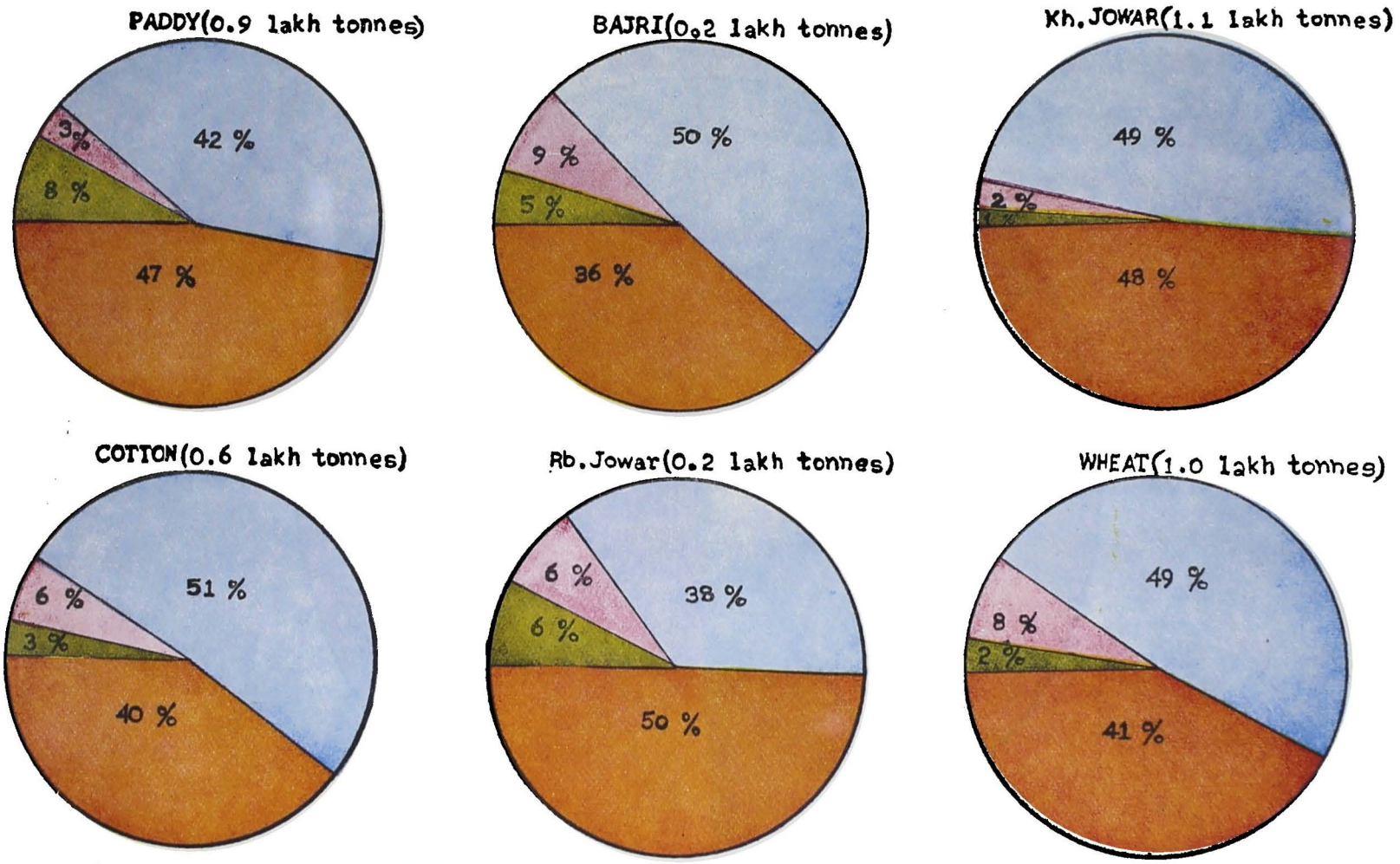
RELATIVE CONSUMPTION OF CHEMICAL FERTILISERS BY EACH CROP



APPENDIX - IV

INUPT SURVEY 1976-77 MAHARASHTRA

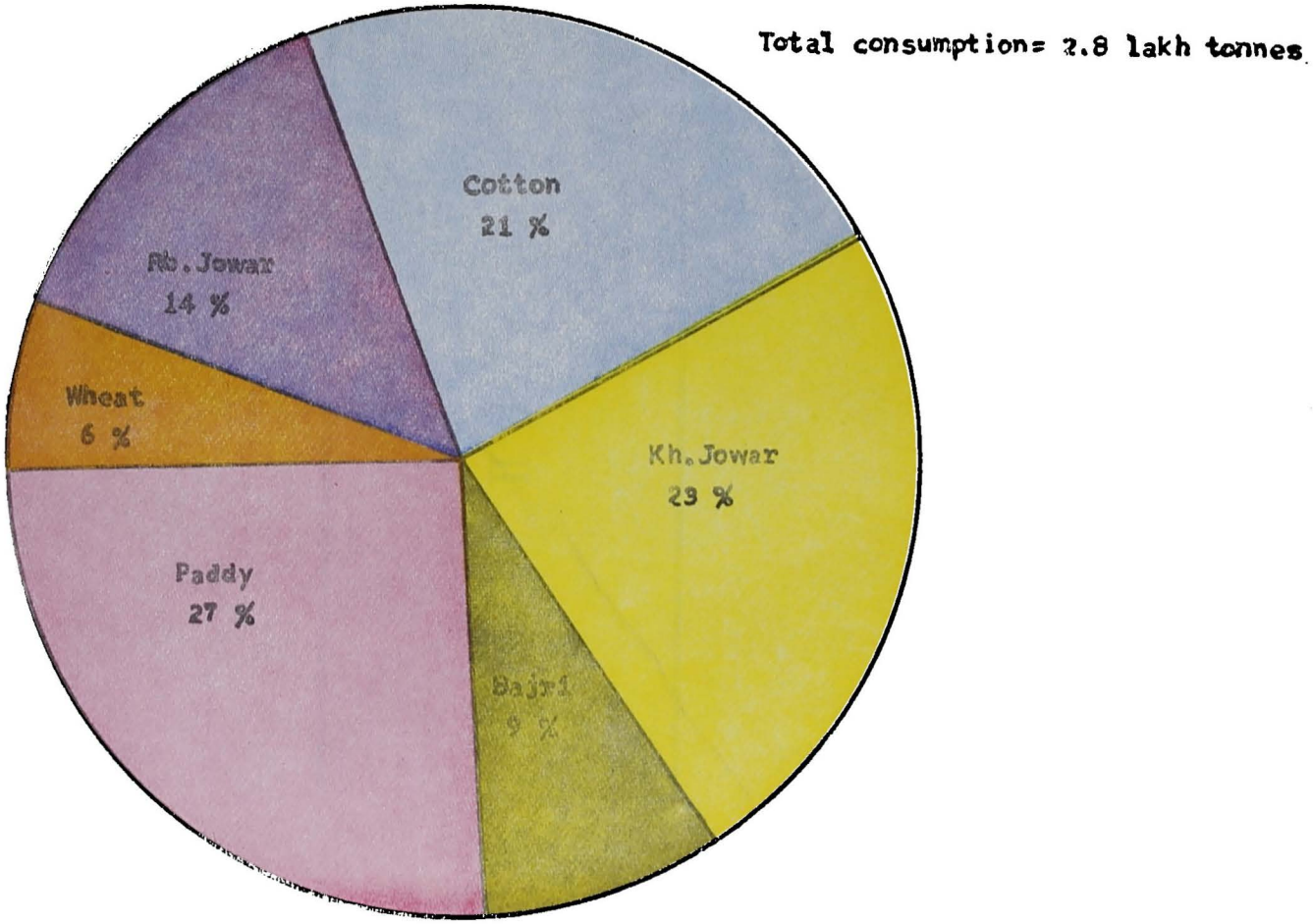
RELATIVE CONSUMPTION OF DIFFERENT FERTILISERS BY EACH CROP



APPENDIX -V

INPUT SURVEY 1975-77 MAHARASHTRA

RELATIVE CONSUMPTION OF ORGANIC MANURES BY EACH CROP



PART II

MAHARASHTRA STATE AGRICLTURAL - CENSUS - 1976-77

INPUT SURVEY

PART II

PART II - STATISTICAL TABLE OF INPUT SURVEY 1976 - 77

S.No.	Table No.	Particulars	Page
1	1	Explanatary note on Input survey.	1-4
		State Level Tables	
2	1	Estimated area under multiple cropping in irrigated area.	5
3	1	Estimated area under multiple cropping in unirrigated area and saline and water logged area.	5
4	1-B	Estimated standard errors of the estimates presented in Table 1 and Table 1-A.	6
		For Irrigatdd category :	
5	2 & 2 - A	Estimated number of holdings and area benefited by chemical fertilizers, organic manures and pesticides in irrigated area along with standard errors.	6-7
6	3 to 8	Estimated irrigated area for a crop under different type of input as four kinds of fertilizers, two kinds of organic manures and two modes of pesticide application (Separate tables for each of the 6 crops.)	8-25
7	9 & 9-A	Estimated irrigated area (six crops together) applied with different kinds of inputs along with standard error for fertilizers.	26-27
		For Unirrigated category :	
8	10 & 10-A	Same as Table 2 and table 2 - A	27-28
9	11 to 16	Same as Tables 3 to 8	29-46
10	17 & 17-A	Same as Table 9 and Table 9 - A	47-48
		Livestock and Implements :	
11	18	Estimated number of cattles owned by operating households	49
12	19	Estimated number of buffaloes owned by operating households.	50
18	20	Same as Table 18 on the basis of per 100 ha. of operated area.	51
14	21	Same as Table 19 on the basis of per 100 operating households.	52
15	22	Same as Table 18 on the basis of per 100 operating households.	53
16	23	Same as Table 19 on the basis of per 100 operating households.	54
17	24	Estimated number of livestock (other than cattle and buffaloes per 100 operating households.)	55
18	25	Estimated number of poultry per 100 operating households	55
19	26	Estimated number of implements and Agricultural machinery owned individually per 100 operating households.	56
20	27	Same as Table 26 but on the basis of 100 hectares of operated area.	57
		Regional Level Tables :	
21	1 to 27	Similar Tables at Sr. Nos. 2 to 20 of Region 1	56-84
22	1 to 27	Similar Tables at Sr. Nos. 2 to 20 of Region 2	85-137
23	1 to 27	Similar Tables at Sr. Nos. 2 to 20 of Region 3	138-190
24	1 to 27	Similar Tables at Sr. Nos. 2 to 20 of Region 4	191-243
25	1 to 27	Similar Tables at Sr. Nos. 2 to 20 of Region 5	243-293
26	1 to 27	Similar Tables at Sr. Nos. 2 to 20 of Region 6	294-337

MAHARASHTRA STATE AGRICULTURAL CENSUS - 1976-77

Explanatory note on the Statistical Table of Input Survey, 1976 - 77

As an integral part of the Agricultural Census Programme 1976 77 an Input Survey was also carried out in Maharashtra State in a random sub-sample of 810 villages selected out of the sample taken for the Sample Agricultural census. In each selected village, 20 operational holdings with four holdings per size group were selected in five size classes and the data on some selected items of agricultural inputs were collected from them. The data thus collected under the Input Survey have been summarised in 27 Tables separately for each region and the state in part II in accordance with the format specified by the Government of India. For proper understanding of these tables, it is necessary to explain in brief the background and contents of each tables, as also to clarify the meaning of certain figures appearing in the tables. Accordingly, a brief description of the contents of each table and the clarifications of the certain figures are given below.

It may be noted that the figures of the total number of holdings and the operated area presented in Column 3 and 4 of each table are based on complete enumeration of all holdings in the state carried out under Main Agricultural Census.

Table No, 1

This table gives the estimated area cropped once and more than once in irrigated areas, along with the percentage area under multiple cropping with respect to net irrigated area given in Column No. 11. The percentage given under net irrigated area (Column No. 11) is worked out on ths basis of net cropped area obtained by adding area in Column No. 11 of Table No. 1 and that in Column No. 7 of Table No. 1-A.

Table No. 1-A

This table gives the estimates of area cropped once and more than once in unirrigated areas and the estimates of number of holdings and area affected by wather-logged and salinity conditions. The percentages given in Column No. 5, 6, 8 are with respect to unirrigated area in Colum No. 7 and that given in Column No. 7 is with respect to net cropped area. (i. e. area in Column No. 11 of tabe No. 1 + the area of Column No. 7 of Table No. 1-A.) The percentages in Column No. 9 and 13 are worked out with respect to total number of holning estimated from Input Survey sample and those of area in Column No. 11, 12 and 14 are based on the total area estimated from Input Survey Sample.

Table No, 1-B

Table No. 1-B furnishes the standard errors and the percentage standard errors of the estimates of net and gross irrigated and unirrgated area.

Table No. 2

In this table, the estimated number and area of holdings covered by chemical fertilizers, organic manures and pesticides in irrigated areas are presented. The percentages in Column No 5 and 6 are based on the total number of holdings and the operated area estimated from the Input Survey Percentages in Column Nos. 7, 9, 11 and 8, 11 and 12 are with respect to number of holdings in Column No. 5 and the gross irrigated area in Column No. 6 respectively.

Table No. 2-A

This table gives the estimated standard errors and percentage standard errors of the estimates of number of holdings and the area growing one or more crops and numbar of holdings and area covered by different broad inputs.

Table No. 3 to 8

These tables give the cropwise estimated number of holdings and area benefitted by different types of Inputs in irrigatsd areas.

Tabla No. 9

In this table, estimated area and holdings (for six crops together) benefitted by different chemical fertilizers in irrigated area along with standard error and percentage standard error are presented. Percentages in Column No. 5 and 6 are with respect to total number of holdings and operated area estimated from Input Survey sample respectively. The percentages in Column No. 7, 11, 15 and 19 are with respect to Column No. 5 and that in Column Nos. 9, 13, 17 and 21 are with respect to Column No 6.

Table No. 9-A

This table presents estimated number and area of holdings benefitted by organic manures and pesticides in irrigated areas. Percentages in Column Nos. 23, 25 and 27 are with respect to Column No, 5 and those in Column Nos. 24, 26 and 28 are with respect to Column No. 6

Table No. 10

This table presents the same type of information as described under Table No. 2 above but in respect of unirrigated area.

Table No. 10-A

This table gives the same type of information as nescribed under Table No. 2-A above but in respect of unirrigated area.

Table Nos, 11 to 16

These tables give the cropwise estimated number of holdings and area benefitted by different type of Inputs in unirrigated areas.

Table No. 17

This table gives the similar type of information as explained under Table No. 9 above but in respect of unirrigated area.

Table No. 17-A

As explained under Table No. 9-A above, but in respect of unirrigated area.

Table Nos. 18 to 25

These tables furnish the estimated number of livestock as on 15th April, 1977 (Table Nos. 18 and 19) the estimated number of livestock per 100 hectares of area (Table Nos. 20 and 21) and the estimated number livestock per 100 operating households (Table Nos. 22, 23, 24 and 25).

Table Nos. 26 and 27

In these tobles, the estimated number of agricultural machinery owned individually per 100 operating households and per 100 hectares of area operated is presented.

Note : The figures for individual size group may not necessarily addup the total given against ' all classes ' - because of rounding to the nearest integer at the various levels.

Statistical Tables

of

Input Survey

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

STATE

Table 1 *ESTIMATED AREA CROPPED ONCE AND MORE THAN ONCE IN IRRIGATED AREAS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Irrigated Area							
				Cropped once	Cropped twice		Cropped more than twice				
		Number	Area		One crop Irrigated	Two crops Irrigated	One crop Irrigated	Two crops Irrigated	More than two crops Irrigated	Net Irrigated (5 to 10)	Gross Irrigated
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	15,03,489	7,05,359	94,727	45,509	21,631	411	–	–	1,62,296	1,83,944
	%			58·3	28·0	13·3	·2	–	–	23·8	113·3
2	1·00 – 1·99	11,41,135	16,74,195	1,44,855	44,245	25,027	780	84	159	2,15,146	2,40,571
	%			67·3	20·5	11·6	·3	–	–	16·0	111·8
3	2·00 – 3·99	13,38,442	38,29,781	2,86,867	79,266	40,609	703	366	202	4,08,007	4,49,382
	%			70·3	19·4	9·9	·1	–	–	13·8	110·1
4	4·00 – 9·99	13,50,520	83,29,818	4,86,495	1,45,074	74,954	1,085	638	2,986	7,11,228	7,92,789
	%			68·4	20·4	10·5	·1	–	·4	11·4	111·4
5	10 & More	4,23,967	64,49,590	3,06,350	90,869	36,195	3,471	517	1,000	4,38,394	4,77,103
	%			69·8	20·7	8·2	·7	·1	·2	10·7	108·8
	(All classes)	57,57,553	2,09,88,744	13,19,294	4,04,963	1,98,436	6,449	1,605	4,347	19,35,071	21,43,789
	%			68·1	20·9	10·2	·3		·2	12·6	110·7

ESTIMATED AREA CROPPED ONCE AND MORE THAN ONCE IN UNIRRIGATED AREAS AND AREA AFFECTED BY WATER LOGGING AND SALINITY

Table–1 A

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Unirrigated Area				Number of Holdings and Area affected by					
				Cropped once	Cropped more than once	Net Unirrigated (5+6)	Gross Unirrigated	Water logging				Salinity	
		Number	Area					No. of Holdings	Area affected with drainage	Area affected without drainage	Total of (10+11)	No. of Holdings	Area affected
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Below –1·00	15,03,489	7,05,359	4,84,450	34,768	5,19,214	6,00,306	1,16,813	14,597	53,083	67,680	20,814	8,046
	%			93·5	6·7	76·1	115·6	8·5	2·2	8·2	10·5	1·5	1·2
2	1·00 – 1·99	11,41,135	16,74,195	10,63,805	61,736	11,25,536	12,33,149	87,729	27,449	84,834	1,12,283	20,668	18,031
	%			94·5	5·4	83·9	109·5	8·4	1·7	5 3	7·1	2·0	1·1
3	2·00 – 3·99	13,38,442	38,29,781	24,03,850	1,35,969	25,39,813	27,56,807	1,00,705	40,344	2,00,993	2,41,337	20,545	38,963
	%			94·0	5·3	86·1	108·5	8·1	1·1	5·6	6·8	1·7	1·1
4	4·00 – 9·99	13,50,520	83,29,818	52,04,791	3,04,171	55 08,955	59,60,998	91,774	81,291	3,50,678	4,31,969	29,351	72,753
	%			94·4	5·5	88·5	108·2	7·4	1·0	4·6	5·6	2·4	·9
5	10 & More	4,23,967	64,49,590	34,63,500	1,95,608	36,59,110	39,53,035	31,640	56,843	2,36,930	2,93,773	15,425	72,420
	%			94·0	5·3	89·3	108·0	8·4	·9	4·0	4·9	4·1	1·2
(All classes)		57,57,553	2,09,88,744	1,26,20,401	7,32,252	1,33,52,629	1,45,04,295	4,28,661	2,20,524	9,26,517	11,47 041	1,06,803	2,10,214
%				94·5	5·4	87·3	108·6	8·1	1·1	4,8	5·9	2·0	1·0

STATE

Table–1 B

ESTIMATES OF NET & GROSS AREA, AREA WATER LOGGED & AFFECTED BY SALINITY, ALONG WITH STANDARD ERRORS

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Net Irrigated Area	S.E.	Gross Irrigated Area	S.E.	Net Unirrigated Area	S.E.	Gross Unirrigated Area	S.E.
		Number	Area								
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	15,03,498	7,05,359	1,62,296	35,017	1,83,944	36,294	5,19,214	26,952	6,00,306	44,378
	%				21·5		19·7		5·1		7·2
2	1·00 – 1·99	11,41,135	16,74,195	2,15,146	18,456	2,40,571	20,451	11,25,536	59,338	12,33,149	64,125
	%				8·5		8·5		5·2		5·2
3	2·00 – 3·99	13,38,442	38,29,781	4,08,007	32,510	4,49,382	34,517	25,39,813	1,12,995	27,56·807	1,20,693
	%				7·9		7·6		4·4		4·3
4	4·00 – 9·99	13,50,520	83,29,818	7,11,228	49,899	7,92,789	57,029	55,08,955	2,11,212	59,60,998	2,32,142
	%				7·0		7·1		3·8		3·8
5	10 & More	4,23,967	64,49,590	4,38,394	31,952	4,77,103	34,170	36,59,110	1,58,029	39,53,035	1,75,822
	%				7·2		7·1		4·3		4·4
	(All classes)	57,57,553	2,09,88,744	19,35,071	78,324	21,43,789	85,713	1,33,52,629	2,94,277	1,45,04,295	3,24,598
	%				4·0		4·0		2·2		2·2

Table–2

ESTIMATED NUMBER AND AREA OF HOLDINGS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES AND PESTICIDES IN IRRIGATED AREAS

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Gross area under one or more selected Crops	Chemical Fertilizers		Organic Manures		Pesticides	
		Number	Area			No. of Holdings benefited	Area Treated	No. of Holdings benefited	Area Treated	No. of Holdings benefited	Area Treated
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1.00	15,03,489	7,05,359	2,62,429	1,03,097	1,65,364	60,904	1,50,225	49,758	30,449	10,781
	%			19.0	15·8	63·0	59·1	57·2	48·3	11·6	10·5
2	1·00 – 1·99	11,41,135	16,74,195	2,29,175	1,63,359	1,50,105	92,085	1,08,337	69·621	19,356	11,473
	%			6·4	3·1	65·5	56·4	47·3	42·6	8·4	7·0
3	2·00 – 3·99	13,38,442	38,29,781	3,07,859	2,90,302	2,12,168	1,61,294	1,37,463	1,21,478	37,774	27,017
	%			24·7	8·1	68·9	55·6	44·7	41·8	12·3	9·3
4	4·00 – 9·99	13,50,520	83,29,818	3,93,033	5,43,484	2,69,244	3,19,959	1,80,351	2,27,003	54,158	61,798
	%			31·1	7·0	68·5	58·9	45·9	41·8	13·8	11·4
5	10 & More	4,23,967	64,49,590	1,56,163	3,49,309	1,08,994	1,92,755	67,834	1,38,308	33,091	55,175
	%			36·6	5·1	68·8	55·2	43·4	39·6	21·2	15·8
	(All classes)	57,57,553	2,09,88,744	13,48,659	14,49,551	9,05,875	8,26,997	6,44,210	6,06,168	1,74,828	1,66,244
	%			17·1	6·0	67·2	57·1	47·8	41·8	13·3	11·5

STATE

Table–2 A

ESTIMATED STANDARD ERRORS OF THE ESTIMATES OF HOLDINGS AND AREA GROWING ONE OR MORE CROPS AND HOLDINGS AND AREAS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES AND PESTICIDES

Area in hectares

Sr. No.	Size Class of Holdings	No. of holdings growing one or more selected Crops & Gross irrigated area.		Chemical Fertilizers		Organic Manure		Pesticide	
		No. S.E.	Area S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.
1	2	3	4	5	6	7	8	9	10
1	Below – 1.00	24,127	12,420	17,038	9,322	19,018	7,805	6,452	2,472
	%	9.2	2.0	10.3	15.3	12.7	15.7	21.2	22.9
2	1.00 – 1.99	17,516	14,069	14,514	9,530	14,842	9,894	3,103	2,290
	%	7.6	8.6	9.7	10.3	13.7	14.2	16.0	20.0
3	2.00 – 3.99	19,258	21,847	16,014	14,486	11,719	12,812	7,479	5,828
	%	6.3	7.5	7.5	9.0	8.5	10.5	19.8	21.6
4	4.00 – 9.99	22,276	42,292	17,940	27,912	12,930	23,307	7,672	12,591
	%	5.7	7.8	6.7	8.7	7.2	10.3	14.2	20.4
5	10 & More	8,181	29,464	6,659	19,469	5,379	18,222	4,951	11,173
	%	5.2	8.4	6.1	10.1	7.9	13.2	15.0	20.2
	(All classes)	42.696	59,045	33,520	39,315	30,256	34,615	13,804	18,130
	%	3.2	4.1	3.7	4.8	4.7	5.7	7.9	10.9

STATE

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 3 *ESTIMATED IRRIGATED AREA UNDER PADDY COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	15,03,489	7,05,359	1,25,324	8,231	32,710	40,941
	%			9.0	20.1	79.9	6.3
2	1.00 – 1.99	11,41,135	16,74,195	97,575	7,163	47,770	54,933
	%			9.2	13.0	87.0	3.5
3	2.00 – 3.99	13,38,442	38,29,781	89,337	8,933	63,144	72,077
	%			7.1	12.4	87.6	2.0
4	4.00 – 9.99	13,50,520	83,29,818	99,344	22,409	93,394	1,15,804
	%			7.8	19.4	80.6	1.5
5	10 & More	4,23,967	64,49,590	32,742	12,660	36,748	49,408
	%			8.6	25.6	74.4	.8
	(All classes)	57,57,553	2,09,88,744	4,44,322	59,396	2,73,766	3,33,162
	%			8.3	17.8	82.2	1.7

Table 3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	10,671	948	360	1,308	178	136	4,545	–	666	666	118	177
	%	8.5	11.5	1.1	3.2			3.6		2.0	1.6		
2	1.00 – 1.99	2,889	415	128	542	121	223	1,708	720	459	1,179	102	87
	%	3.0	5.8	.3	1.0			1.8	10.1	1.0	2.1		
3	2.00 – 3.99	4,912	228	1,129	1,357	144	106	292	–	57	57	15	265
	%	5.5	2.6	1.8	1.9			.3		.1	.1		
4	4.00 – 9.99	3,869	2,086	2,090	4,176	284	68	3,226	5,085	5,660	10,745	481	45
	%	3.9	9.3	2.2	3.6			3.2	22.7	6.1	9.3		
5	10 & More	1,453	767	111	877	87	99	1,210	3,130	405	3,535	566	160
	%	4.4	6.1	.3	1.8			3.7	24.7	1.1	7.2		
(All classes)		23,794	4,443	3,817	8,260	814	59	10,981	8,936	7,246	16,182	1,282	79
	%	5.4	7.5	1.4	2.5			2.5	15.0	2.6	4.9		

STATE

Table–3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (%,w,r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00	59,590	5,536	9,928	15,464	2,192	142	21,760	3,344	6,496	9,802	1,645	167
	%	47.5	67.3	30.4	37.8			17.4	40.6	19.9	23.9		
2	1.00 – 1.99	53,364	5,462	13,858	19,320	2,328	120	28,666	3,006	11,832	14,808	1,902	128
	%	54.7	76.3	29.0	35.2			29.4	42.0	24.8	27.0		
3	2.00 – 3.99	38,495	5,258	20,343	25,602	2,353	92	27,648	5,044	15,627	20,650	2,413	117
	%	43.1	58.9	32.2	35.5			30.9	56.5	24.7	28.6		
4	4.00 – 9.99	52,027	14,274	29,738	44,012	3,623	82	33,793	11,332	29,409	40,742	3,576	88
	%	52.4	63.7	31.8	38.0			34.0	50.6	31.5	35.2		
5	10 & More	14,119	9,951	11,399	21,350	1,941	91	10,905	6,524	12,694	19,219	1,887	98
	%	43.1	78.6	31.0	43.2			33.3	51.5	34.5	38.9		
	(All classes)	2,17,595	40,481	85,266	1,25,747	12,437	99	1,22,772	29,251	76,058	1,05,221	11,423	108
	%	49.0	68.2	31.1	37.7			27.6	49.2	27.8	31.6		

Table–3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Campost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1.00	72,807	3,728	21,454	25,182	1,899	75	12,416	803	1,977	2,780	232	83
	%	58.1	45.3	65.6	61.5			9.9	9.8	6.0	6.8		
2	1.00 – 1.99	50,824	4,715	30,278	34,993	2,074	59	14,300		9,023	9,023	284	31
	%	52.1	65.8	63.4	63.7			14.7		18.9	16.4		
3	2.00 – 3.99	49,083	3,985	46,766	50,751	2,612	51	9,861	1,067	7,097	8,164	1,174	144
	%	54.9	44.6	74.1	70.4			11.0	11.9	11.2	11.3		
4	4.00 – 9.99	54,961	12,802	64,230	77,032	3,754	49	11,705	2,609	19,003	21,612	524	24
	%	55.9	57.1	68.8	66.5			11.8	11.6	20.3	18.7		
5	10 & More	18,213	7,067	23,808	30,875	1,276	41	3,020	456	6,249	6,705	1,725	257
	%	55.6	55.8	64.8	62.5			9.2	3.6	17.0	13.6		
	(All classes)	2,45,888	32,296	1,86,536	2,18,833	11,615	50	51,302	4,935	43,349	48,284	3,939	82
	%	55.3	54.4	68.1	65.7			11.5	8.3	15.8	14.5		

STATE

Table–3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt./ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	5,121	1,788	513	2,301	17	7	3,538	1,789	169	1,958	4	2
	%	4.1	21.7	1.6	5.6			2.8	21.7	.5	4.8		
2	1.00 – 1.99	262	298	–	298	3	10	2,124	1,162	32	1,194	1	1
	%	.3	4.2		.5			2.2	16.2	.1	2.2		
3	2.00 – 3.99	888	1,388	53	1,441	48	33	3,069	1,593	3,321	4,914	4	1
	%	1.0	15.5	.1	2.0			3.4	17.8	5.3	6.8		
4	4.00 – 9.99	1,911	692	827	1,519	35	23	5,189	2,044	1.359	3,403	33	10
	%	1.9	3.1	.9	1.3			5.2	9.1	1.5	2.9		
5	10 & More	2,406	2,634	1,883	4,517	38	8	2,149	2,481	1,880	4,361	2	–
	%	7.3	20.8	5.1	9.1			6.6	19.6	5.1	8.8		
	(All classes)	10,588	6,801	3,275	10,076	141	14	19,069	9,069	6,761	15,830	44	3
	%	2.4	11.4	1.2	3.0			3.6	15.3	2.5	4.8		

NOTE –

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

STATE

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–4

ESTIMATED IRRIGATED AREA UNDER BAJRI COVERED BY DIFFERENT INPUTS

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1·00	15,03,489	7,05,359	18,878	536	3,859	4,395
	%			1·4	12·2	87·8	0·7
2	1·00 – 1·99	11,41,135	16,74,195	14,824	2,483	4,897	7,380
	%			1·4	33·6	66·4	0·5
3	2·00 – 3·99	13,38,442	38,29,781	30,284	3,188	11,120	14,398
	%			2·4	22·3	77·7	0·4
4	4·00 – 9·99	13,50,520	83,29,818	40,911	7,691	19,330	27,022
	%			3·2	28·5	71·5	0·3
5	10 & More	4,23,967	64,49,590	18,793	3,417	11,900	15,316
	%			4·9	22·3	77·7	0·3
	(All classes)	57,57,553	2,09,88,744	1,23,690	17,314	51,106	68,421
	%			2·3	25·3	74·7	·3

Table 4 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%	–	–										
2	1·00 – 1·99	298	119	–	119	6	50	–	–	–	–	–	–
	%	2·0	4·8		1·6								
3	2·00 – 3·99	1,020	255	–	255	13	51	930	102	42	144	7	49
	%	3·4	8·0		1·8			3·1	3·2	·4	1·0		
4	4·00 – 9·99	2,933	978	–	978	49	50	–	–	–	–	–	–
	%	7·2	12·7		3·6								
5	10 & More	787	107	–	107	5	47	309	80	–	80	6	75
	%	1·5	3·1		·7			1·6	2·3		·5		
	(All classes)	4,538	1,458	–	1,458	73	50	1,239	182	42	223	13	58
	%	3·7	8·4		2·1			1·0	1·0	·2	·3		

STATE

Table 4 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	3,116	162	438	600	54	90	202	–	116	116	11	95
	%	16·5	30·2	11·4	13·7			1·1		3·0	2·6		
2	1·00 – 1·99	3,977	1,220	1,007	2,227	197	88	355	140	–	140	17	121
	%	26,8	49·1	20·6	30·2			2·4	5·6		1·9		
3	2·00 – 3·99	5,939	354	2,607	2,961	230	78	2,049	304	1,097	1,401	142	101
	%	19·6	11·1	23·4	20·7			6·8	9·5	9·9	9·8		
4	4·00 – 9·99	12,934	4,989	6,675	11,664	879	75	2,724	–	3,311	3,311	295	89
	%	31·6	64·9	34,5	43·2			6·7		17·1	12·3		
5	10 & More	3,878	1,881	976	2,857	306	107	514	259	206	465	74	159
	%	20·6	55·0	8·2	18·7			2·7	7·6	1·7	3·0		
(All classes)		29,844	8,606	11,704	20,310	1,666	82	5,844	702	4,730	5,432	539	99
	%	24·1	49·7	22·9	29·7			4·7	4·1	9·3	7·9		

Table 4 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	10,772	–	2,225	2,225	168	76	328	–	34	34	3	88
	%	57·1		57·6	50·6			1·7		·9	·8		
2	1·00 – 1·99	8,011	979	2,805	3,785	225	59	–	–	–	–	–	–
	%	54·0	39·4	57·3	51·3								
3	2·00 – 3·99	17,076	171	6,366	6,537	451	69	–	–	–	–	–	–
	%	56·4	5·4	53·3	45·7								
4	4·00 – 9·99	24,049	4,518	12,690	17,208	1,267	74	308	–	63	63	6	95
	%	58·8	58·7	65·6	63·7			·8		·3	·2		
5	10 & More	9,926	528	7,498	8,025	530	66	756	–	425	425	90	212
	%	52·8	15·5	63·0	52·4			4·0		3·6	2·8		
(All classes)		69,834	6,196	31,584	37,780	2,641	70	1,392	–	522	522	99	190
	%	56·5	35·8	61·8	55·2			1·1		1·0	·8		

STATE

Table-4 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	585	171	–	171	14	82	585	171	718	171	–	6
	%	1.9	5.4		1.2			1.9	5.4	3.7	1.2		
4	4.00 – 9.99	209	–	22	22	–	–	914	–	–	718	1	4
	%	.5		.1	.1			2.2			2.7		
5	10 & More	140	37	38	75	–	–	60	54	–	54	3	–
	%	.7	1.1	.3	.5			.3	1.6		.4		
	(All classes)	934	208	60	268	14	82	1,559	225	718	943	4	4
	%	.8	1.2	.1	.4			1.3	1.3	1.4	1.4		

NOTE :-

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 5 *ESTIMATED IRRIGATED AREA UNDER KHARIF JOWAR COVERED BY DIFFERENT INPUTS* (Area in hectares)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1·00	15,03,489	7,05,359	29,378	163	6,567	1,874
	%			2·1	·6	77·8	22·2
2	1·00 – 1·99	11,41,135	16,74,195	23,726	1,219	9,454	1,347
	%			2·2	5·1	87·5	12·5
3	2·00 – 3·99	13,38,442	38,29,781	34,083	–	14,710	2,887
	%			2·7		83·6	16·4
4	4·00 – 9·99	13,50,520	83,29,818	57,664	–	41,122	8,074
	%			4·5		83·6	16·4
5	10 & More	4,23,967	64,49,590	22,547	211	16,872	6,361
	%			5·9	·9	72·6	27·4
	(All classes)	57 57.553	2.09.88.744	1,67,398	1.593	88,725	20,543
						81·2	18·8

Note :-

The figures in column Nos. 7, 8 and 9 refer to the area under 'H. Y. V.', 'Others' and 'Total' respectively; while figures in column No. 6 indicate the number of holding treated with Amonium Sulphate.

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	8,441	16	–	16	4	256	–	–	–	–	–	–
	%	1·3	·2		·2								
2	1·00 – 1·99	10,801	502	–	502	123	245	–	–	–	–	–	–
	%	·7	5·3		4·7								
3	2·00 – 3·99	17,597	–	–	–	–	–	420	42	–	42	3	72
	%	·5						1·2	·3		·3		
4	4·00 – 9·99	49,196	–	–	–	–	–	316	354	–	354	36	102
	%	·6						·5	·9		·7		
5	10 & More	23,234	879	–	879	33	38	–	–	–	–	–	–
	%	·4	5·2		3·8								
	(All classes)	1,09,268	1,397	–	1,397	160	115	736	395	–	395	39	99
	%	·6	1·6		1·3			·4	·4		·4		

STATE

Table 5 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00	16,091	5,198	485	5,683	637	112	6,572	1,835	–	1,835	342	185
	%	54.8	79.2	25.9	67.3			22.4	28.1		21.7		
2	1.00 – 1.99	11,641	4,337	120	4,456	609	137	9,393	3,735	–	3,735	725	192
	%	49.1	45.9	8.9	41.3			39.6	39.9		34.6		
3	2.00 – 3.99	22,391	8,720	90	8,809	1,079	122	6,748	4,725	238	4,963	844	170
	%	65.7	59.3	3.1	50.1			19.8	32.1	8.2	28.2		
4	4.00 – 9.99	28,257	16,530	2,247	18,777	2,083	111	14,206	16,202	207	16,409	1,701	96
	%	49.0	40.2	27.8	38.2			24.6	42.7	2.6	33.4		
5	10 & More	9,741	9,910	555	10,465	663	92	2,629	2,890	82	2,972	439	148
	%	43.2	58.7	8.7	45.0			11.7	17.1	1.3	12.8		
(All classes)		88,121	44,694	3,496	48,190	5,371	111	39,548	29,387	527	29,914	4,051	129
	%	52.6	50.4	17.0	44.1			23.6	34.7	2.6	27.4		

Table 5 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1.00	15,897	4,337	1,240	5,577	626	112	3,330	663	–	663	33	50
	%	54.1	66.0	66.2	66.1			11.3	10.1		7.9		
2	1.00 – 1.99	8,631	3,970	470	4,441	423	95	3,168	454	120	573	47	82
	%	36.4	42.0	34.9	41.1			13.4	4.8	8.9	5.3		
3	2.00 – 3.99	14,579	7,687	356	8,043	633	79	5,722	1,333	105	1,438	159	111
	%	42.8	52.3	12.3	45.7			16.8	9.1	3.6	8.2		
4	4.00 – 9.99	25,299	14,497	5,576	20,073	2,280	114	5,546	1,858	207	2,065	710	344
	%	43.9	35.3	69.1	40.8			9.6	4.5	2.6	4.2		
5	10 & More	11,534	9,904	1,148	11,053	842	76	1,878	746	133	879	3,112	3,541
	%	51.2	58.7	18.0	47.6			8.3	4.4	2.1	3.8		
(All classes)		75,940	40,395	8,792	49,187	4,804	98	19,644	5,053	564	5,617	4,061	723
	%	45.4	45.5	42.8	45.0			11.7	5.7	2.7	5.1		

STATE

Table 5 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	7,231	2,012	–	2,012	104	52	4,467	1,172	–	1,172	5	4
	%	24·6	36·6		23·8			15·2	17·8		13·9		
2	1.00 – 1.99	4,520	2,077	–	2·077	68	33	4,266	2,048	–	2,048	9	4
	%	19·1	22·0		19·2			18·0	21·7		19·0		
3	2·00 – 3·99	5,906	2,940	–	2,940	106	36	5,001	2,222	–	2,222	6	3
	%	17·3	20·0		16·7			14·7	15·1		12·6		
4	4.00 – 9·99	8,069	6,296	–	6,296	165	26	11,713	11,646	–	11,646	31	3
	%	14·0	15·3		12·8			20·3	28·3		23·7		
5	10 & More	1,959	1,388	21	1,409	51	36	4,698	3,512	21	3,532	12	3
	%	8·7	8·2	·3	6·1			20·8	20 8	·3	15·2		
(All classes)		27,685	14,712	21	14,733	494	34	30,145	20,600	21	20,621	63	3
%		16·5	16·6	·1	13·5			18·0	23·2	·1	18·9		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

STATE

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 6 *ESTIMATED IRRIGATED AREA UNDER COTTON COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1·00	15,03,489	7,05,359	5,075	684	177	801
	%	–	–	·4	85·4	14·6	·1
2	1·00 – 1·99	11,41,135	16,74,195	14,178	2,385	934	3,319
	%	–	–	1·3	71·9	28·1	·2
3	2·00 – 3·99	13,38,442	38,29,781	16,357	4,698	1,884	6,582
	%	–	–	1·3	71·4	28·6	·2
4	4·00 – 9·99	13,50,520	83,29,818	22,399	10,097	3,170	13,267
	%	–	–	1·8	76·1	23·9	·2
5	10 & More	4,23,967	64,49,590	17,347	17,229	3,264	20,493
		–	–	4·5	84·1	15·9	·3
(All classes)		57,57,553	2,09,88,744	75,356	35,092	9,369	44,462
%		–	–	1·4	78·9	21·1	0.2

Table 6 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%	–	–	–	–	–	–	–	–	–	–	–	–
2	1·00 – 1·99	–	–	–	–	–	–	221	–	26	26	21	816
	%	–	–	–	–	–	–	1·6	–	2·8	·8	–	–
3	2·00 – 3·99	72	86	–	86	16	185	784	–	158	158	39	248
	%	·4	1·8	–	1·3	–	–	4·8	–	8·4	2·4	–	–
4	4·00 – 9·99	487	476	–	476	208	437	551	491	–	491	64	130
	%	2·2	4·7	–	3·6	–	–	2·5	4·9	–	3·7	–	–
5	10 & More	1,771	3,382	–	3,382	874	258	3,283	6,040	–	6,040	1,676	277
	%	10·2	19·6	–	16·5	–	–	18·9	35·1	–	29·5	–	–
(All classes)		2,330	3,944	–	3,944	1,098	278	4,839	6,531	183	6,714	1,800	268
%		3·1	11·2	–	8·9	–	–	6·4	18·6	2·0	15·1	–	–

STATE

Table 6 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (22+23)	Quantity Applied Total M.T.	Quantity Applied Kg/ha 25/24	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (28+29)	Quantity Applied Total M.T.	Quantity Applied Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	4,951	684	85	769	150	195	622	69	–	69	14	203
	%	97·6	100·0	73·0	96·1			12·3	10·1		8·6		
2	1·00 – 1·99	8,927	1,315	833	2,148	451	210	5,324	862	630	1,495	329	220
	%	63·0	55·1	89·2	64·7			37·6	36·2	67·5	45·0		
3	2·00 – 3·99	13,249	4,476	470	4,946	1,020	206	7,412	3,609	60	3,669	611	167
	%	81·0	95·3	24·9	75·1			45·3	76·8	3·2	55·7		
4	4·00 – 9·99	19,564	8,875	2,291	11,166	1,837	165	7,564	5,130	89	5,931	915	175
	%	87·3	87·9	72·3	84·2			33·8	50·8	2·8	44·7		
5	10 & More	9,686	6,374	2,859	9,233	1,269	137	4,562	5,241	691	5,931	906	153
	%	55·8	37·0	87·6	45·1			26·3	30·4	21·2	28·9		
(All classes)		56,377	21,724	6,538	28,262	4,727	167	25,484	14,911	1,471	16,380	2,775	178
	%	74·8	61·9	69·6	63·6			33·8	42·5	15·7	36·8		

Table 6 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Campost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (34+35)	Quantity Applied Total 00 M.T.	Quantity Applied qt/ha 37/36	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (40+41)	Quantity Applied Total 00M.T.	Quantity Applied qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	1,378	271	–	271	16	59	–	–	–	–	–	–
	%	27·2	39·6		33·8								
2	1·00 – 1·99	3,366	697	–	697	63	90	–	–	–	–	–	–
	%	23·7	29·2		21·0								
3	2·00 – 3·99	4,749	2,616	–	2,616	164	63	–	–	–	–	–	–
	%	29·0	55·7		39·7								
4	4·00 – 9·99	8,267	5,251	–	5,251	394	75	–	–	–	–	–	–
	%	36·9	52·0		39·6								
5	10 & More	4,317	4,565	446	5,011	366	73	–	–	–	–	–	–
	%	24·9	26·5	13·7	24·5								
(All classes)		22,077	13,400	446	13,846	1,003	72	–	–	–	–	–	–
	%	29·3	38·2	4·8	31·1								

STATE

Table 6 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	
1	Below – 1·00	1,981	128	68	196	2	10	3,661	629	–	629	4	6
	%	39·0	18·8	57·8	24·5			72·1	92·0		78·6		
2	1·00 – 1·99	2,337	322	178	500	3	6	7,365	1,262	630	1,892	9	5
	%	16·5	13·5	19·1	15·1			51·9	52·9	67·5	57·0		
3	3·00 – 3·99	4,491	1,261	149	1,410	83	59	8,560	3,988	60	4,048	11	3
	%	27·5	26·8	7·9	21·4			52·3	84·9	3·2	61·5		
4	4·00 – 9·99	5,878	4,805	155	4,960	76	15	11,929	7,766	321	8,087	33	4
	%	26·2	47·6	4·9	37·4			53·3	76·9	10·1	61·0		
5	10 & More	2,881	3,468	256	3,724	60	16	9,352	13,831	90	13,921	49	4
	%	16·6	20·1	7·8	18·2			53·9	80·3	2·8	67·9		
(All classes)		17,568	9,984	806	10,790	224	21	40,867	27,476	1,102	28,577	106	4
	%	23·3	28·5	8·6	24·3			54·2	78·3	11·8	64·3		

NOTE :-

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area undet the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

STATE

Table 7 *ESTIMATED IRRIGATED AREA UNDER RABI JOWAR COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	15,03,489	7,05,359	40,211	3,988	6,216	10,204
	%			2·9	39·1	60·9	1·6
2	1·00 – 1·99	11,41,135	16,74,195	43,271	6,593	17,871	24,463
	%			1·2	26·9	73·1	·5
3	2·00 – 3·99	13,38,442	38,29,781	73,129	17,082	47,388	64,470
	%			5,9	26·5	73.5	1·8
4	4·00 – 9·99	13,50,520	83,29,818	88,992	24,490	81,079	1,05,569
	%			7·0	23·2	76·8	1·4
5	10 & More	4,23,967	64,49,590	47,654	10,036	93,884	1,03,920
	%			11.2	9.7	90·3	1·5
(All classes)		57,57,553	2.09,88,744	2,93,257	62 189	2,46,437	3,08,626
	%			3.7	20·2	79·8	1·3

Table 7 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	151	–	65	65	9	138	2,138	212	414	626	142	227
	%	·3		·4	·3			4.9	3·2	2.3	2·6		
3	2·00 – 3·99	98	125	–	125	10	80	2,435	8	1,024	1,032	160	155
	%	·1	·7		·2			3·3		2.2	1·6		
4	4·00 – 9·99	320	–	620	620	31	50	4,218	21	3,786	3,807	563	148
	%	.4		·8	·6			4.7	.1	4.7	3·6		
5	10 & More	1,040	680	1,392	2,072	552	266	1,376	–	1,548	1,548	280	181
	%	2·2	6,8	1,5	2·0			2·9		1·6	1·5		
(All classes)		1,609	805	2,077	2,882	602	209	10,167	241	6,773	7,014	1,145	163
	%	·5	1·3	·8	·9			3·5	·4	2·7	2·3		

STATE

Table–7 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V	Area treated Others	Area treated Total (22+23)	Quantity Applied Total M.T.	Quantity Applied Kg/ha 25/24	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (28+29)	Quantity Applied Total M.T.	Quantity Applied Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00	13,248	489	1,648	2,137	268	125	3,253	1,012	253	1,265	237	187
	%	32.9	12.3	26.5	20.9			8.1	25.4	4.1	12.4		
2	1.00 – 1.99	6,656	1,510	925	2,435	312	128	5,789	732	2,602	3,334	420	126
	%	15.4	22.9	5.2	10.0			13.4	11.1	14.6	13.6		
3	2.00 – 3.99	19,528	7,508	5,543	13,051	992	76	4,710	1,170	1,421	2,591	285	110
	%	26.7	44.0	11.7	20.2			6.4	6.8	3.0	4.0		
4	4.00 – 9.99	11,158	5,578	6,021	11,599	791	68	9,756	2,354	8,537	10,891	1,018	93
	%	12.5	22.8	7.4	11.0			11.0	9.6	10.5	10.3		
5	10 & More	6,200	1,765	8,260	10,025	1,134	113	7,060	2,076	6,398	8,474	1,768	209
	%	13.0	17.6	8.8	9.6			14.8	20.7	6.8	8.2		
(All classes)		56,790	16,851	22,397	39,247	3,497	91	30,568	7,344	19,211	26,555	3,728	136
	%	19.4	27.1	9.1	12.7			10.4	11.8	7.8	8.6		

Table 7 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (34+35)	Quantity Applied Total 00 M.T.	Quantity Applied qt/ha 37/36	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V	Area treated Others	Area treated Total (40+41)	Quantity Applied Total 00M.T.	Quantity Applied qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1.00	16,683	795	2,160	2,956	196	66	796	–	217	217	151	696
	%	41.5	19.9	34.8	29.0			2.0		3.5	2.1		
2	1.00 – 1.99	14,757	2,074	6,319	8,394	466	56	152	–	222	222	139	625
	%	34.1	13.5	35.4	34.3			.4		1.2	.9		
3	2.00 – 3.99	30,732	5,897	20,165	26,063	871	33	822	–	1,732	1,732	67	39
	%	42.0	34.5	42.6	40.4			1.1		3.7	2.7		
4	4.00 – 9.99	37,111	8,860	31,894	40,754	1,600	39	2,339	–	4,321	4,321	924	214
	%	41.7	36.2	39.3	38.6			2.6		5.3	4.1		
5	10 & More	15,675	3,596	39,131	42,728	1,191	28	2,405	–	3,747	3,747	2,801	748
	%	32.9	35.8	41.7	41.1			5.0		4.0	3.6		
(All classes)		1,14,958	21,223	99,671	1,20,894	4,324	35	6,514	–	10,239	10,239	4,082	399
	%	39.2	34.1	40.4	39.2			2.2		4.2	3.3		

STATE

Table–7 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	1,028	414	98	512	21	41	567	249	–	249	1	4
	%	2.6	10.4	1,6	5.0			1.4	6.2		2.4		
2	1.00 – 1.99	1,008	441	–	441	27	61	1,008	441	–	441	1	2
	%	2.3	6.7		1.8			2.3	6.7		1.8		
3	2.00 – 3.99	228	22	–	22	4	178	277	62	–	62	1	16
	%	.3	.1		–			.4	.4		.1		
4	4.00 – 9.99	1,034	1,421	108	1,530	27	18	1,105	639	98	737	–	–
	%	1.2	5.8	.1	1.4			1.2	2.6	.1	.7		
5	10 & More	1,005	457	–	457	23	50	1,951	1,674	1,629	3,302	5	2
	%	2.1	4.5		.4			4.1	16.7	1.7	3.2		
	(All classes)	4,303	2,756	206	2,962	102	34	4,908	3,064	1,727	4,791	8	2
	%	1.5	4.4	.1	1.0			1.7	4.9	.7	1.6		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

STATE

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–8 *ESTIMATED IRRIGATED AREA UNDER WHEAT COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below– 1.00	15,03,489	7,05,359	1,38,835	21,300	17,046	38,347
	%			10·0	55·5	44·5	5·9
2	1.00 – 1.99	11,41,135	16,74,195	1,48,982	40,314	22,440	62,754
	%			4·2	64·2	35·8	1·2
3	2.00 – 3.99	13,38,442	38,29,781	2,13,321	71,221	44,076	1,15,297
	%			17·1	61·8	38·2	3·2
4	4.00 – 9.99	13,50,520	83,29,818	2,93,500	1,57,820	76,167	2,33,987
	%			23·2	67·4	32·6	2·0
5	10 & More	4,23,967	64,49,590	1,18,138	1,00,759	36,272	1,37,030
	%			27·7	73·5	26·5	2·0
	(All classes)	57,57,553	2,09,88,744	9,12,776	3,91,414	1,96,001	5,87,415
	%			11·5	66·6	33·4	2·4

Table–8 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	1,320	551	–	551	64	116	3,154	551	569	1,120	261	233
	%	1·0	2·6		1·4			2·3	2·6	3·3	2·9		
2	1·00 – 1·99	1,733	1,765	27	1,792	214	119	8,762	3,123	1,972	5,095	686	135
	%	1·2	4·4	–	2·9			5·9	7·7	8·8	8·1		
3	2·00 – 3·99	1,447	530	–	530	105	198	8,768	1,074	3,331	4,405	888	202
	%	·7	·7		·5			4·1	1·5	7·6	3·8		
4	4.00 – 9.99	3,233	2,875	–	2,875	273	95	30,261	27,286	6,014	33,300	3,019	91
	%	1·1	1·8		1·2			10·3	17·3	7·9	14·2		
5	10 & More	2,912	5,408	378	5,786	1,319	228	10,371	13,048	2,623	15,671	3,237	207
	%	2·5	5·4	1·0	4·2			8·8	12·9	7·2	11·4		
	(All classes)	10,645	11,129	405	11,534	1,975	171	61,316	45,082	14,509	59,591	8,091	136
	%	1·2	2·8	·2	2·0			6·7	11·5	7·4	10·1		

STATE

Table 8 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (22+23)	Quantity Applied Total M.T.	Quantity Applied Kg/ha 25/24	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (28+29)	Quantity Applied Total M.T.	Quantity Applied Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	80,385	15,294	8,400	23,695	4,167	176	52,920	11,521	5,379	16,900	3,267	193
	%	57·9	71·8	49·3	61·8			38·1	54·1	31·6	44·1		
2	1·00 – 1·99	94,455	31,204	12,202	43,406	6,026	139	52,177	22,020	4,933	26,953	4,368	162
	%	63·4	77·1	54·4	69·2			35·0	54·6	22·0	43·0		
3	2·00 – 3·99	1,29,454	54,029	21,075	75,103	9,621	128	84,776	47,372	11,036	58,409	8,559	147
	%	60·7	75·9	47·8	65·1			39·7	66·5	25·0	50·7		
4	4·00 – 9·99	1,73,757	1,17,759	27,547	1,45,306	15,751	108	1,17,246	83,660	17,897	1,01,557	14,483	143
	%	59·2	74·6	36·2	62·1			39·9	53·0	23·5	43·4		
5	10 & More	67,813	71,742	15,422	87,164	10,623	122	47,973	56,419	9,945	66,364	9,745	147
	%	57·4	71·2	42·5	63·6			40·6	56·0	27·4	48·4		
(All classes)		5,45,864	2,90,028	84,647	3,74,746	46,188	123	3,55,092	2,20,992	49,190	2,70,183	40,422	150
	%	59·8	74·1	43·2	63·8			38·9	56·5	25·1	46·0		

Table 8 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (34+35)	Quantity Applied Total 00 M.T.	Quantity Applied qt/ha 37/36	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (40+41)	Quantity Applied Total 00M.T.	Quantity Applied qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	20,516	2,910	4,109	7,018	636	91	15,167	759	2,079	2,838	444	156
	%	14·8	15·7	24·1	18·3			10·9	3·6	12·8	7·4		
2	1·00 – 1·99	20,490	5,351	1,996	7,347	1,348	183	1,488	159	312	471	27	57
	%	13·8	13·3	8·9	11·7			1·0	·4	1·4	·8		
3	2·00 – 3·99	36,854	14,603	4,683	19,286	2,485	129	2,314	241	163	404	40	99
	%	17·3	20·5	10·6	16·7			1·1	·3	·4	·4		
4	4·00 – 9·99	61,101	29,801	8,515	38,316	2,784	73	4,861	1,970	262	2,232	261	117
	%	20·8	18·9	11·2	16·4			1·7	1·2	·3	1·0		
5	10 & More	30,651	19,807	6,735	26,541	1,779	67	1,687	327	2,061	2,388	1,608	674
	%	25·9	19·7	18·6	19·4			1·4	·3	5·7	1·7		
(All classes)		1,69,612	72,471	26,038	98,509	9,032	92	25,517	3,456	4,876	8,332	2,380	286
	%	18·6	18·5	13·3	16·8			2·8	·9	2·5	1·4		

STATE

Table 8 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Dusting: Area treated H.Y.V.	Pesticide by Dusting: Area treated Others	Pesticide by Dusting: Area treated Total (46+47)	Pesticide by Dusting: Quantity Applied Total M.T.	Pesticide by Dusting: Quantity Applied Kg/ha 49/48	Pesticide by Spraying: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Spraying: Area treated H.Y.V.	Pesticide by Spraying: Area treated Others	Pesticide by Spraying: Area treated Total (52+53)	Pesticide by Spraying: Quantity Applied Kilo Lt.	Pesticide by Spraying: Quantity Applied Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	
1	Below 1.00	2,947	151	522	673	15	22	9,814	2,547	243	2,790	352	126
	%	2.1	.7	3.1	1.8			7.1	12.0	1.4	7.3		
2	1.00 – 1.99	1,700	742	381	1,123	44	39	8,068	3,856	–	3,856	135	35
	%	1.1	1.8	1.7	1.8			5.4	9.6		6.1		
3	2.00 – 3.99	2,101	1,896	–	1,896	47	25	20,529	10,172	2,778	12,951	97	7
	%	1.0	2.7		1.6			9.6	14.3	6.3	11.2		
4	4.00 – 9.99	9,555	13,108	592	13,700	316	23	21,945	20,043	2,247	22,290	50	2
	%	3.3	8.3	.8	5.9			7.5	12.7	3.0	9.5		
5	10 & More	4,870	4,135	1,364	5,499	245	45	16,830	23,508	723	24,231	124	5
	%	4.1	4.1	3.8	4.0			14.2	23.3	2.0	17.7		
	(All Classes)	21,173	20,033	2,859	22,892	667	29	77,186	60,126	5,991	66,117	758	11
		2.3	5.1	1.5	3.9			8.5	15.4	3.1	11.3		

NOTE :-

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

STATE

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table–9

ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT CHEMICAL FERTILIZERS IN IRRIGATED AREA

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Irrigated Area under selected Crops	Ammonium Sulphate				Super Phosphate			
		Number	Area			No. of Holdings	S.E.	Area	S.E.	No. of Holdings	S.E. % S.E.	Area	S.E.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Below –1·00	15,03,489	7,05,359	2,62,429	1,03,097	12,154	5,292	1,874	810	7,699	4,382	1,786	644
	%			19·4	15·8	4·6	43·5	1·8	43·2	2·9	56·9	1·7	36·1
2	1·00 – 1·99	11,41,135	16,74,195	2,29,175	1,63,359	6,193	2,740	3,021	1,613	10,713	2,602	6,925	2,068
	%			6·4	3·1	2·7	44·2	1·8	53·4	4·7	24·3	4·2	29·9
3	2·00 – 3·99	13,38,442	38,29,781	3,07,859	2,90,302	7,405	3,099	2,353	1,033	9,570	2,578	5,837	1,635
	%			24·7	8·1	2·4	41·9	·8	43·9	3·1	26·9	2·0	28·0
4	4·00 – 9·99	13,50,520	83,29,818	3,93,033	5,43,484	10,278	3,554	9,124	3,774	33,058	7,785	48,697	14,935
	%			31·1	7·0	2·6	34·6	1·7	41·4	8·4	23·5	9·0	30·7
5	10 & More	4,23,967	64,49,590	1,56,163	3,49,309	5,604	1,339	13,102	4,790	11,397	2,695	26,874	9,001
	%			36·6	5·1	3·6	23·9	3·8	36·6	7·3	23·6	7·7	33·5
	(All classes)	57,57,853	2,09,88,744	13,48,659	14,49,551	41,534	7,716	29,474	6,443	72,437	10,025	90,118	17,647
	%			17·1	6·0	3·1	18·5	2·0	21·9	5·4	13·8	6·2	19·6

Table–9 (Contd·)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Irrigated Area under selected Crops	Chemical Fertilizers							
						Urea				Other Chemical Fertilizers			
		Number	Area			No. of Holdings	S.E.	Area	S.E.	No. of Holdings	S.E.	Area	S.E.
1	2	3	4	5	6	15	16	17	18	19	20	21	22
	Below– 1·00	15,03,489	7,05,359	2,62,429	1,03,097	1,35,225	14,475	48,346	6,977	75,677	16,278	29,987	7,197
	%			19·4	15·8	51·5	10·7	46·9	14·4	28·8	21·5	29·2	24·2
2	1·00 – 1·99	11,41,135	16,74,195	2,29,175	1,63,359	1,22,049	13,632	73,970	8,594	77,011	10,554	50,462	7,573
	%			6·4	3·1	53·3	11·2	45·3	11·6	33·6	13·7	31·0	15·0
3	2·00 – 3·99	13,38,442	38,29,781	3,07,859	2,90,302	1,69,997	13,987	1,30,467	12,627	1,11,951	12,577	92,683	11,384
	%			24·7	8·1	55·2	8·2	44·9	9·7	36·4	11·2	31·7	12·4
4	4·00 – 9·99	13,50,520	83,29,818	3,93,033	5,43,484	2,16,544	15,858	2,42,519	23,138	1,54,515	13,878	1,78,127	18,729
	%			31·1	7·0	55·1	7·3	44·6	9·5	39·3	9·0	32·7	19·5
5	10 & More	4,23,967	64,49,590	1,56,163	3,49,309	83,851	5,565	1,41,007	14,679	61,713	4,467	1,93,425	10,602
	%			36·6	7·1	53·7	6·6	40·4	10·4	39·5	7·2	29·6	10·4
	(All classes)	57,57,553	2,09,88,744	13,48,659	14,49,551	7,27,666	29,554	6,36,309	32,138	4,80,867	27,333	4,53,685	26,494
				17·1	6·0	54·0	4·1	43·9	5·1	35·7	5·7	31·3	5·9

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

STATE
Table-9 A

ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT ORGANIC MANURES AND PESTICIDES IN IRRIGATED AREAS

(Area in hectares)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Irrigated Area under selected Crops	No. of Holdings and Area benefitted by Organic Manures				Pesticides	
						Organic Manures					
						Farm yard Manure		Compost		Pesticides	
		Number	Area			No. of Holdings	Area	No. of Holdings	Area	No. of Holdings	Area
1	2	3	4	5	6	23	24	25	26	27	28
1	Below 1·00	15,03,489	7,05,359	2,62,429	1,03,097	1,27,614	43,226	22,611	6,532	30,440	10,781
	%			19·4	15·8	48·6	41·9	8·6	6·3	11·6	10·5
2	1·00 – 1·99	11,41,135	16,74,195	2,29,175	1,63,359	91,369	59,654	17,889	10,289	19,356	11,473
	%			6·4	3·1	39·9	36,5	7·8	6·3	8·4	7·0
3	2·00 – 3·99	13,38,442	38,29,781	3,07,859	2,90,302	1,23,054	1,13,293	15,597	11,737	37,774	27,017
	%			24·7	8·1	40·0	39·0	5·1	4·0	12·3	9·3
4	4·00 – 9·99	13,50,520	83,29,818	3,93,033	5,43,484	1,64,789	1,98,632	20,478	30,293	54,158	61,798
	%			31·1	7·0	41·9	36·5	5·2	5·6	13·8	11·4
5	10 & More	4,23,967	64,49,590	1,56,163	3,49,309	61,650	1,24,165	7,050	14,143	33,091	55,175
	%			36·6	5·1	39·5	35·5	5·5	4·0	21·2	15·8
	(All Classes)	57,57,553	2,09,88,744	13,48,659	14,49,551	5,68,476	5,38,969	83,625	72,994	1,74,828	1,66,244
				27·1	6·0	42·2	37·2	6·2	5·0	13·0	11·5

Table–10 *ESTIMATED NUMBER AND AREA OF HOLDINGS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES AND PESTICIDES IN UNIRRIGATED AREAS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Gross area under selected Crops	Chemical Fertilizers		Organic Manures		Pesticides	
		Number	Area			No. of Holdings benefited	Area Treated	No. of Holdings benefited	Area Treated	No. of Holdings benefited	Area Treated
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	15,03,489	7,05,359	12,09,953	5,07,477	4,14,902	1,33,192	6,69,418	2,20,875	1,51,943	52,628
	%			86·8	78·3	34·3	26·2	55·3	43·5	12·6	10·4
2	1·00 – 1·99	11,41,135	16,74,195	9,57,516	10,16,564	2,77,194	2,15,166	4,14,276	3,31,699	1,26,308	1,00,513
	%			89·4	64·6	28,9	21·2	43·3	32·6	13·2	9·9
3	2·00 – 3·99	13,38,442	38,19,781	11,63,346	22,31,091	3,29,765	3,65,094	5,00,073	6,27,086	1,49,739	1,48,839
	%			92.8	62·2	28·3	16.4	43·0	28·1	12·9	6.7
4	4·00 – 9·99	13,50,520	83,29,818	12,16,785	48,28,585	3,54,676	6,78,090	5,60,987	13,63,163	1,81,569	3,00,874
	%			95·8	62·2	29·1	14·0	46·1	28,2	14·9	6·2
5	10 & More	4,23,697	64,49,590	3,76,170	31,50,646	1,39,867	4,91,752	1,91,225	9,42,041	86,563	2,56,565
	%			98.4	52·4	37·2	15·6	50·8	29·9	23·0	8·1
(All classes)		57,57,553	2,09,88,744	49,23,776	11,73,436	15,16,401	18,83,293	23,35,979	34,84,863	6,96,122	8,59,418
	%			91.7	50.9	30.8	16.0	4.74	29.7	14·1	7·3

Table 10 ' A '

Area in hectares

Sr. No.	Size Class of Holdings	No. of holdings growing one or more selected Crops & Gross unirrigated area		Chemical Fertilizers		Organic Manure		Pesticide	
		No. S.E.	Area S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.
1	2	3	4	5	6	7	8	9	10
1	Below – 1·00	93,230	28,345	84,662	19,319	86,898	20,068	18,068	5,834
	%	7.7	5·6	20.4	14·5	13·0	9·1	11·9	11·1
2	1·00 – 1·99	39,689	45,247	21.267	19,782	23,486	21,856	13,727	12,380
	%	4·1	4·5	7·7	9·2	5·7	6·6	10·9	12·3
3	2·00 – 3·99	42,649	96,698	22,616	32,133	22,552	33,365	15,955	19,357
	%	3·7	4·3	6·9	8·8	4·5	5·3	10·7	13·0
4	4·00 – 9·99	42,835	1,88,302	23,092	53,622	24,119	72,984	15,366	30,679
	%	3·5	3·5	6·5	7·9	4·3	5·4	8·5	10.2
5	10 & More	14,851	1,38,271	9,177	41,377	11,568	62,343	6,689	29,557
	%	2·4	4·4	6·6	8·4	6·0	6·6	7·7	11·5
(All Classes)		1,18,917	2,58,424	93,535	79,903	96,577	1,05,863	32,405	48,752
	%	2·4	2.2	6·2	4·2	4·1	3·0	4·7	5·7

STATE

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 11 — *ESTIMATED UNIRRIGATED AREA UNDER PADDY COVERED BY DIFFERENT INPUTS* — Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	15,03,489	7,05,359	6,74,377	64,606	1,52,981	2,17,586
	%			48.4	29.7	70.3	33.5
2	1.00 – 1.99	11,41,135	16,74,195	3,28,383	40,523	1,71,097	2,11,620
	%			30.7	19.1	80.9	13.5
3	2.00 – 3.99	13,38,442	38,29,781	3,78,925	50,684	2,63,402	3,14,087
	%			30.2	16.1	83.9	8.8
4	4.00 – 9.99	13,50,520	83,29,818	3,89,091	40,517	3,57,659	3,98,176
	%			30.6	10.2	89.8	5.1
5	10 & More	4,23,967	64,49,590	1,29,771	19,484	1,52,696	1,72,180
	%			33.9	11.3	88.7	2.9
	(All classes)	57,57,553	2,09,88,744	19,00,547	2,15,8131	10,97,836	13,13,649
	%			35.4	16.4	83.6	6.7

Table 11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	47,739	7,995	8,348	16,343	1,662	102	4,534	173	1,450	1,623	180	111
	%	7.1	12.4	5.5	7.5			.7	.3	.9	1.7		
2	1.00 – 1.99	29,269	4,677	10,378	15,055	1,201	80	3,506	895	905	1,800	232	129
	%	8.9	11.5	6.1	7.1			1.1	2.2	.5	.9		
3	2.00 – 3.99	32,993	8,290	11,553	19 843	1,804	91	4,379	212	3,430	3,642	298	182
	%	8.7	16.4	4.4	6.3			1.2	.4	1.3	1.2		
4	4.00 – 9.99	15,644	4,002	9,666	13,668	1,146	84	3,122	1,761	2,006	3,767	217	58
	%	4.0	9.9	2.7	3.4			.8	4.3	.6	.9		
5	10 & More	4,316	3,191	2,372	5,562	491	88	1,910	1,194	4,333	5,527	317	57
	%	3.3	16.4	1.6	3.2			1.5	6.1	2.8	3.2		
	(All classes)	1,29,961	28,155	42,316	70,471	6,304	89	17,451	4,236	12,124	16,359	1,244	76
	%	6.8	13.0	3.9	5.4			.9	2.0	1.1	1.2		

STATE

Table–11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00	1,09,627	18,260	16,248	34,508	4,927	143	1,91,287	36,068	16,013	52,081	17,940	153
	%	16.3	38.3	10.6	15.9			28.4	55.8	10.5	23.9		
2	1.00 – 1.99	63,228	15,654	24,152	39,806	4,730	119	59,536	6,850	20,755	27,606	4,090	148
	%	19.3	68.6	14.1	18.8			18.1	16.9	12.1	13.0		
3	2.00 – 3.99	81,724	20,303	46,635	66,931	5,648	84	73,292	15,731	48,024	63,755	7,362	115
	%	21.6	40.1	17.7	21.3			19.3	31.0	18.2	20.3		
4	4.00 – 9.99	80,699	12,066	67,037	79,103	5,641	71	55,134	15,178	50,776	65,954	6,764	103
	%	20.7	29.8	18.7	19.9			14.2	37.5	14.2	16.6		
5	10 & More	31,262	5,084	31,077	36,161	2,664	74	24,002	8,446	25,177	33,623	2,419	78
	%	24.1	26.1	20.4	21.0			18.5	43.3	16.5	19.5		
	(All classes)	3,66,540	71,367	1,85,148	2,56,515	23,610	92	4,03,251	82,273	1,60,745	2,43,018	28,775	132
	%	19.3	33.1	16.9	19.5			21.2	38.1	14.6	18.5		

Table–11 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Campost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1.00	4,70,350	39,012	88,631	1,27,643	11,597	91	39,266	1,279	14,012	15,291	1,863	122
	%	69.7	60.4	57.9	58.7			5.8	2.0	9.2	7.0		
2	1.00 – 1.99	1,82,480	20,565	86,756	1,07,321	7,288	68	20,374	488	17,080	17,568	7,738	440
	%	55.6	50.8	50.7	50.7			6.2	1.2	10.0	8.3		
3	2.00 – 3.99	2,13,716	29,604	1,33,198	1,62,802	10,727	66	23,251	3,267	28,744	32,011	2,037	64
	%	56.4	58.4	50.6	51.8			6.1	6.4	10.9	10.2		
4	4.00 – 9.99	1,86,793	19,265	1,68,061	1,87,326	10,651	57	14,288	191	20,527	20,718	1,278	62
	%	48.0	47.5	47.0	47.0			3.7	.5	5.7	5.2		
5	10 & More	62,047	8,451	67,638	76,089	3,122	41	3,944	1,008	7,719	8,727	889	102
	%	40.1	43.4	44.3	44.2			3.0	5,2	5.1	5.1		
	(All Classes)	11,05,386	1,16,898	5,44,283	6,61,181	43,385	66	1,01,123	6,233	88,082	94,315	13,805	146
	%	58.2	54.2	49.6	50.3			5.3	2.9	8.0	7.2		

STATE

Table–11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	69,973	14,028	12,828	26,856	142	5	46,914	7,349	1,453	8,802	92	10
	%	10.4	21.7	8.4	12.3			7.0	11.4	.9	4.0		
2	1.00 – 1.99	32,781	13,645	13,330	26,975	96	4	17,153	5,879	4,868	10,747	43	4
	%	10.0	33.7	7.8	12.7			5.2	14.5	2.8	5.1		
3	2.00 – 3.99	25,527	9,443	18,568	28,011	134	5	20,035	5,242	7,245	12,487	49	4
	%	6.7	18.6	7.0	8.9			5.3	10.3	2.8	4.0		
4	4.00 – 9.99	18,412	11,386	18,912	30,299	124	4	8,274	5,525	3,101	8,626	23	3
	%	4.7	28.1	5.3	7.6			2.1	13.6	.9	2.2		
5	10 & More	5,136	2,468	9,806	12,274	56	5	3,852	3,123	1,036	4,159	3	1
	%	4.0	12.7	6.4	7.1			3.0	16.0	.7	2.4		
	(All classes)	1,51,829	50,970	73,444	1,24,415	552	4	96,228	27,117	17,703	44,820	210	5
	%	8.0	23.6	6.7	9.5			5.1	12.6	1.6	3.4		

NOTE –

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

STATE

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–12 *ESTIMATED UNIRRIGATED AREA UNDER BAJRI COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	15,03,489	7,05,359	1,28,988	9,092	40,443	49,535
	%			9·3	18·4	81·6	7·6
2	1.00 – 1.99	11,41,135	16,74,195	1,51,077	25,963	92,133	1,18,096
	%			14·1	22·0	78·0	7·5
3	2.00 – 3.99	13,38,442	38,29,781	2,60,610	58,696	2,66,775	3,25,471
	%			20·8	18·0	82·0	9·1
4	4.00 – 9.99	13,50,520	83,22,818	3,25,683	1,36,746	5,45,703	6,82,449
	%			25·7	20·0	80·0	8·8
5	10 & More	4,23,967	64,49,590	1,33,472	73,687	3,88,503	4,62,190
	%			34·9	15·9	84·1	7·7
	(All classes)	57 57,553	2,09,88,744	9,99,830	3,04,184	13,33,557	16,37,741
	%			18·6	18·6	81·4	8·4

Table 12 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	501	164	–	164	19	116	1,068	225	102	327	40	122
	%	·4	1·8		·3			·8	2·5	·3	·7		
2	1.00 – 1.99	134	101	–	101	12	119	1,609	1,285	157	1,442	132	92
	%	·1	·4		·1			1·1	5·0	·2	1·2		
3	2.00 – 3.99	2,864	1,558	574	2,133	218	102	2,623	3,827	56	3,882	350	90
	%	1·1	2·7	·2	·7			1·0	6·5	–	1·2		
4	4.00 – 9.99	4,102	6,509	–	6,509	209	32	6,876	14,579	173	14,753	760	52
	%	1·3	4·8		1·0			2·1	10·7	–	2·2		
5	10 & More	2,897	8,073	910	8,984	457	51	1,683	5,846	–	5,846	472	81
	%	2·2	11·0	·2	1·9			1,3	7.9	–	1·3		
	(All classes)	10,494	16,405	1,485	17,890	915	51	13,859	25,762	487	26,250	1,754	67
	%	1·0	5·4	1	1·1	–		1·4	8.5	–	1.6		

STATE

Table–12 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	5,968	783	1,356	2,139	265	124	2,994	778	591	1,369	123	90
	%	4·6	8·6	3.4	4·3			2·3	8,6	1·5	2·8		
2	1.00 – 1·99	15,739	9,112	2,638	11,750	691	59	9,745	8,449	805	9,254	680	73
	%	10·4	35.1	2.9	9·9			6·5	32,5	·9	7·8		
3	2.00 – 3·99	22,444	13,469	6,357	19,826	1,512	76	9,712	12,146	1,821	13,967	1,188	85
	%	8 6	22.9	2·4	6,1			3·7	20·7	·7	4·3		
4	4.00 – 9·99	37,382	60,888	18,313	79,200	5,564	70	20,386	28,240	17,294	45,534	4,447	98
	%	11·5	44.5	3·4	11·6			6·3	20·7	3·2	6·7		
5	10 & More	10,848	21,646	5,151	26,797	1,678	63	5,593	10,004	5,604	15,608	1,619	104
	%	8·1	29·4	1·3	5·8			4·2	13·6	1·4	3·4		
	(All classes)	92,381	1,05,898	33,817	1,39,713	9,710	69	48,430	59,619	26,114	85,733	8,057	93
	%	9·2	34·8	2·5	8·5			4·8	19·6	2,0	5·2		

Table–12 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Campost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	26,228	439	10,088	10,527	844	80	—	—	—	—	—	—
	%	20.3	4·8	24·9	21·3			—		—	—		
2	1.00 – 1·99	40,896	5,373	23,089	28,462	1,807	63	385	—	168	168	11	66
	%	27·1	20.7	25·1	24·1			·2		·3	·1		
3	2.00 – 3·99	57,203	1,171	59,217	64,388	3,140	49	1,487	—	598	598	7	12
	%	21·9	8·8	22.2	19·8			·6		·2	·2		
4	4.00 – 9·99	69,231	29,918	1,09,602	1,39,519	10,907	78	975	—	314	314	19	60
	%	21·3	21·9	20·1	20·4			·3		·1	—		
5	10 & More	29,359	24,696	1,07,744	1,32,439	6,314	48	1,149	—	1,457	1,457	169	116
	%	22.0	33,5	27.7	28·7			·9		·4	·3		
	(All classes)	2,22,917	65,596	3,09,739	3,75,335	23,112	61	3,996	—	2,538	2,538	206	11
	%	22·3	21·6	23·2	22·9			·4		·2	·2		

STATE

Table-12 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below- 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%	–	–	–	–			–	–		–		
2	1·00 – 1·99	325	101	69	170	2	12	–	–	–	–	–	–
	%	·2	·4	·1	·1			–	–		–		
3	2·00 – 3·99	3,307	1,578	53	1,631	45	28	1,359	302	473	775	3	4
	%	1·3	2·7	–	·5			·5	·5	·2	·2		
4	4.00 – 9.99	3,460	4,859	911	5,770	320	55	1,328	2,429	91	2,520	3	1
	%	1·1	3·6	·2	·8			·4	1·8	–	·4		
5	10 & More	2,700	2,638	2,837	5,475	100	18	1,217	792	910	1,703	23	14
	%	2·0	3·6	·7	1·2			·9	1·1	·2	4		
	(All classes)	9,792	9,175	3,870	13,046	467	36	3,904	3,523	1,474	4,997	29	6
	%	1·0	3·0	·3	·8			·4	1·2	·1	·3		

NOTE :-

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

Table 13 *ESTIMATED UNIRRIGATED AREA UNDER KHARIF JOWAR COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1·00	15,03,489	7,05,359	3,70,621	52,652	87,930	1,40,582
	%			26·6	37·5	62·5	21·7
2	1·00 – 1·99	11,41,135	16,74,195	4,56,340	1,13,733	2,49,759	3,63,492
	%			42·6	31·3	68·7	23·1
3	2·00 – 3·99	13,38,442	38,29,781	5,73,874	2,06,995	5,37,786	7,44,781
	%			45·8	27·8	72·2	20·8
4	4·00 – 9·99	13,50,520	83,29,818	6,54,200	3,59,032	11,09,235	14,68,266
	%			51·5	24·5	75·5	18·9
5	10 & More	4,23,967	64,49,590	2,07,061	2,73,112	6,26,249	8,99,361
	%			54·2	30·4	69·6	15·0
	(All classes)	57,57,553	2,09,88,744	22,62,096	10,05,524	26,10,959	36,16,483
	%			42·1	27·8	72·2	18·5

Table 13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
9		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	1,845	521	19	539	69	128	177	125	–	125	10	80
	%	·5	1·0	–	·4			–	·2	–	·1		
2	1·00 – 1·99	1,260	854	–	854	94	110	3,715	1,600	540	2,140	192	90
	%	·3	·8	–	·2			·8	1·4	·2	·6		
3	2·00 – 3·99	4,009	3,428	88	3,516	308	88	4,487	3,377	89	3,466	485	140
	%	·7	1·7	–	·5			·8	1·6	–	·5		
4	4·00 – 9·99	1,320	724	393	1,118	127	114	4,635	3,005	3,249	6,344	520	82
	%	·2	·2	–	·1			·7	·9	·3	·4		
5	10 & More	1,902	869	1,281	2,149	106	49	3,559	5,734	1,022	6,755	800	118
	%	·9	·3	·2	·2			1·7	2·1	·2	·8		
	(All classes)	10,336	6,396	1,781	8,177	704	86	16,573	13,931	4,899	18,830	2,007	107
	%	·5	·6	·1	·2			·7	1·4	·2	·5		

STATE

Table–13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below– 1·00	81,615	23,658	1,756	25,414	2,783	110	40,800	12,263	1,231	13,494	2 069	153
	%	22,0	44·9	2·0	18·1			11,0	23.3	1·4	9·6		
2	1·00 – 1·99	95,486	49,225	10,394	59,619	5,778	97	81,407	43,206	8,452	51,658	7,832	152
	%	20·9	43·3	4·2	16·4			17.8	38·0	3·4	14·2		
3	2·00 – 3·99	1,29,105	91,597	16,148	1,07,745	10,946	102	95,327	83,068	4,708	87,776	10,743	122
	%	22.5	44·3	3·0	14·5			16·6	40·1	·9	11·8		
4	4·00 – 9·99	1,36,341	1,51882	29,193	1,81,075	16,005	88	1,14,6 /4	1,22 033	17,615	1,39,649	15,044	108
	%	20·8	42·3	2·6	12·3			17.5	34·0	1·6	9·5		
5	10 & More	66,698	1,37,340	14,735	1,52,075	12,913	85	58,406	1,16,954	14 277	1,31,231	12,558	96
	%	32·2	50·3	2·4	16·9			28·2	42·8	1·3	14.6		
	(All classes)	5,09,245	4,53,703	72·225	5,25 928	48,425	92	3,90,614	3,77,525	46,283	4,23,808	48,241	114
	%	22·5	45·1	2·8	14·5			17·3	37·5	2·8	11·7		

Table 13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Campost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	1,33 366	17,639	27,565	45,204	3,590	79	16,376	2,048	1,365	3,413	1,166	342
	%	36·0	33·5	31·3	32·2			4·4	3·9	1·6	2·4		
2	1·00 – 1·99	1,50,833	42,272	49,229	91,501	6,074	66	15,452	1,660	4,220	5,880	3,972	675
	%	33·1	37·2	19·7	25·2			3·4	1·5	1·7	1,6		
3	2·00 – 3·99	1,76,102	76,466	91,375	1,67,841	11,238	67	16,016	4,573	7,676	12,250	2,416	197
	%	30.7	36.9	17·0	22·5			2·8	2·2	1·4	1·6		
4	4·00 – 9·99	2,06,256	1,41,097	2,00,247	3,41,344	19,696	58	21,363	5,083	36,676	41,760	3,917	94
	%	31·5	39·3	18·1	23·2			3·3	1·4	3·3	2·8		
5	10 & More	85·801	1,14,023	1,24,535	2,38,558	10,376	43	4,797	1,715	12,125	13,841	3,537	256
	%	41·4	41·7	19·9	26·5			2·3	·6	1·9	1·5		
	(All classes)	7,52,358	3,91,497	4,92,951	8,84,448	50,974	58	74,004	15,081	62,062	77,143	15,008	195
	%	33·3	38·9	18·9	24·5			3·3	1·5	2·4	2·1		

STATE

Table 13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Mio Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	19,481	8,492	70	8,562	482	56	27,597	11,064	–	11,064	89	8
	%	3.5	16.1	.1	6.1			7.4	21.0		7.9		
2	1.00 – 1.99	41,600	25,358	4,250	29,608	753	25	42,836	29,154	1,960	31,115	84	3
	%	9.1	22.3	1.7	8.1			9.4	25.6	.8	8.6		
3	2.00 – 3.99	39,202	35,243	1,828	37,071	861	23	67,680	56,861	904	57,766	219	4
	%	6.8	17.0	.3	5.0			11.8	27.5	.2	7.8		
4	4.00 – 9.99	67,216	83,367	5,615	88,981	1,817	20	84,418	92,875	2,412	95,287	897	9
	%	10.3	23.2	.5	6.1			12.9	25.9	.2	6.5		
5	10 & More	33,339	62,043	4,554	66,597	1,689	25	48,650	79,978	4,618	84,597	611	7
	%	16.1	22.7	.7	7.4			23.5	29.3	.7	9.4		
(All classes)		2,00,838	2,14,501	16,318	2,30,819	5,602	24	2,71,181	2,69,932	9,895	2,79,828	1,900	7
%		8.9	21.3	.6	6.4				26.8	.4	7.7		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

Table 14 *ESTIMATED UNIRRIGATED AREA UNDER COTTON COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1·00	15,03,489	7,05,359	43,500	8,630	14,768	23,399
	%			3·1	36·9	63·1	3·6
2	1.00 – 1.99	11,41,135	16,74,195	1,31,863	41,777	75,940	1,17,717
	%			12·3	35·5	64.5	7·5
3	2.00 – 3.99	13,38,442	38,29,781	2,40,567	81,785	2,17,566	2,99,351
	%			19·2	27·3	72·7	8·3
4	4.0 0 – 9.99	13,50,520	83,29,818	3,75,885	2,16,435	6,63,716	8,80,152
	%			29·6	24·6	75·4	11·3
5	10 & Mor	4,23,967	64,49,590	1,42,319	1,44,003	4,79,467	6,23,470
	%			37·2	23·1	76·9	10.4
	(All classes)	57,57,553	2,09,88,744	9,34,134	4,92,631	14,51,458	19,44,089
	%			17·4	25·3	74·8	9·9

Table 14 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	29	29	–	29	4	136	155	44	–	44	7	161
	%	·1	·3	–	·1			·4	·5	–	·2		
2	1·00 – 1.99	130	23	–	23	6	256	1,613	343	857	1,200	99	83
	%	·1	·1	–	–			1·2	·8	1·1	1·0		
3	2·00 – 3.99	1,205	876	395	1,271	66	52	4,434	2,591	395	2,987	424	142
	%	·5	1·1	,2	·4			1·8	3·2	·2	1·0		
4	4·00 – 9.99	2,879	1,713	3,038	4,751	420	88	6,484	5,185	1,047	6,232	1,077	173
	%	·8	·8	·5	·5			1·7	2·4	·2	·7		
5	10 & More	1,342	1,392	773	2,165	154	71	3,488	6,736	930	7,686	847	110
	%	·9	1·0	·2	·3			2·5	4·7	·2	1·2		
	(All classes)	5,585	4,034	4,206	8,240	650	79	16,174	14,919	3,229	18,147	2,454	135
	%	·6	·8	·3	·4			1·7	3·0	·2	·9		

STATE

Table 14 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below- 1·00	6,018	1,746	611	2,356	356	151	5,778	2,156	181	2,337	339	145
	%	13·8	20·2	4.1	10.1			13·3	25·0	1·2	10·0		
2	1.00 – 1·99	24,835	18,325	5,236	23,561	2,519	107	18,229	11,529	3,931	15,460	1,668	108
	%	18·8	43·9	6·9	20·0			13·8	27·6	5·2	13·1		
3	2.00 – 3·99	38,008	25,146	13,745	38,891	4,503	116	29·803	19,069	7,259	26,328	3,058	116
	%	15·8	30·7	6·3	13·0			12·4	23·3	3·3	8·8		
4	4.00 – 9·99	71,189	75,137	55,109	1,30,247	12,518	96	60,447	64,275	36,778	1,01,053	9,066	90
	%	18·9	34·7	8·3	14·8			16·1	29·7	5·5	11·5		
5	10 & More	36,917	67,873	24,525	92,398	7,667	83	33,298	66,329	21,788	88,117	8,101	92
	%	25·9	47·1	5·1	14·8			23·4	46·1	4·5	14·1		
	(All classes)	1,76,967	1,88,227	99,225	2,87,452	27,563	96	1,47,525	1,63,359	69,936	2,33,295	22,232	95
	%	18·9	38·2	6·8	14·8			15·8	33·2	4·8	12·0		

Table 14 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Campost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below –1·00	12,548	2,744	3,781	6,524	565	87	449	71	91	162	535	3,293
	%	28·8	31·8	25·6	27·9			1·0	·8	·6	·7		
2	1.00 – 1.99	53,000	21,800	24,244	46.044	2,776	60	2,606	2,364	144	2,508	5,536	2,207
	%	40.2	52·2	31·9	39·1			2·0	5·7	·2	2·1		
3	2.00 – 3.99	93,321	30,851	63,551	94,402	7,206	76	1,782	1,174	836	2,010	186	93
	%	38·8	37·7	29·2	31·5			·7	1 4	·4	·7		
4	4.00 – 9·99	1,47,492	92,924	2,28,191	3,21.115	20,992	65	11,545	12,954	11,788	24,742	2,415	98
	%	39·2	42·9	34·4	36·5			3·1	6 0	1·8	2·8		
5	10 & More	69,610	80,202	2,00,472	2 80,674	15,337	55	3,698	3,881	8,905	12,786	1,831	143
	%	48·9	55·7	41·8	45·0			2·6	2·7	1·9	2·1		
	(All classes)	3,75,971	2,28,520	5,20,239	7,48 759	46,876	63	20,080	20,445	21,765	42,209	10,503	249
	%	40·2	46·4	35·8	38·5			2·1	4·2	1·5	2·2		

STATE

Table–14 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo. Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	2,577	554	94	648	13	20	7,120	1,630	1,909	3,539	12	3
	%	5.9	6.4	.6	2.8			16.4	18.9	12.9	15.1		
2	1.00 – 1.99	12,135	8,636	–	8,636	130	15	19,454	10,305	5,879	16,184	87	5
		9,2	20.7	–	7.3			14.8	24.7	7.7	13.7		
3	2.00 – 3.99	12,877	6,846	7,551	14,397	375	26	34,549	18,783	13,338	32,121	199	6
	%	5.4	8.4	3.5	4.8			14.4	23.0	6.1	10.7		
4	4.00 – 9.99	27,135	30,267	14,964	45,232	704	16	61,012	73,444	35,530	1,08,974	272	2
		7.2	14.0	2.3	5.1			16.2	33.9	5.4	12.4		
5	10 & More	11,372	28,637	5,920	34,557	531	15	36,730	76,788	27,384	1,04,172	516	5
	%	8.0	19.9	1.2	5.5			25.8	53.3	5.7	16.7		
	(All classes)	66,096	74,940	28,529	1,03,470	1,753	17	1,58,865	1,80,950	84,041	2,64,990	1,086	4
	%	7.1	15.2	2.0	5.3			17.0	36.7	5.8	13.6		

NOTE –

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

Table 15 *ESTIMATED UNIRRIGATED AREA UNDER RABI JOWAR COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below- 1.00	15,03,489	7,05,359	1,43,399	6,662	57,258	63,920
	%			10.3	10.4	89.6	9.9
2	1.00 - 1.99	11,41,135	16,74,195	1,90,671	16,296	1,56,194	1,72,490
	%			17.8	9.4	90.6	11.0
3	2.00 - 3.99	13,38,442	38,29,781	3,10,694	31,568	4,30,221	4,61,789
	%			24.8	6.8	93.2	12.9
4	4.00 - 9.99	13,50,520	83,29,818	4,04,899	56,362	11,28,159	11,84,521
	%			31.9	4.8	95.2	15.3
5	10 & More	4,23,967	64,49,590	1,54,801	53,582	7,99,655	8,53,237
	%			40.5	6.3	93.7	14.2
	(All classes)	57,57,553	2,09,88,744	12,04,464	1,64,470	25,71,488	27,35,958
	%			22.4	6.0	94.0	14.0

Table 15 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below- 1.00	878	-	439	439	44	100	61	-	28	28	2	73
	%	.6		.8	.7								
2	1.00 - 1.99	790	-	354	354	38	107	1,173	146	746	891	73	82
	%	.4		.2	.2			.6	.9	.5	.5		
3	2.00 - 3.99	1,029	-	1,596	1,596	64	40	292	-	492	492	45	92
	%	.3		.4	.3			.1		.1	.1		
4	4.00 - 9.99	367	-	499	499	32	64	533	-	1,043	1,043	26	25
	%	.1						.1		.1	.1		
5	10 & More	3,712	-	15,502	15,502	529	34	661	410	1,209	1,619	55	34
	%	2.4		1.9	1.8			.4	.8	.2	.2		
	(All classes)	6,776	-	18,390	18,390	707	38	2,720	556	3,518	4,074	201	49
	%	.6		.7	.7			.2	.3	.1	.1		

STATE

Table 15 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below– 1·00	5,197	3,217	178	3,395	484	143	2,079	322	375	697	85	122
	%	3·6	48·3	·3	5.3			1·4	4.8	·7	1.1		
2	1.00 – 1·99	3,840	1,037	1,868	2,905	393	135	10,494	–	5,400	5,400	938	174
	%	2·0	6·4	1·2	1·7			5·5	–	3.5	3.1		
3	2.00 – 3·99	3,886	3,155	1,985	5,140	437	85	6,400	403	6,939	7,342	1,175	160
	%	1·3	10.0	·5	1·1			2·1	1.3	1.6	1·6		
4	4·00 – 9·99	7,157	3,223	4,035	7,258	816	112	3,423	311	3,956	4,267	330	77
	%	1·8	5.7	·4	·6			·8	·6	·4	·4		
5	10 & More	3,278	1,013	2,880	3,894	173	44	3,992	1,185	20,738	21,923	1,182	54
	%	2·1	1·9	·4	·5			2·6	2.2	2.6	2·6		
	(All classes)	23,358	11,645	10,946	22,592	2,303	103	26,388	2,221	37,409	39,631	3,710	94
	%	1·9	7·1	·4	·8			2·2	1·4	1.5	1.4		

Table 15 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Campost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below– 1·00	29,300	310	10,985	11,295	756	67	234	–	182	182	25	138
	%	20·4	4·6	19·2	17·7			·2	–	·3	·3		
2	1.00 – 1·99	29,564	917	26,243	27,160	1,515	56	2,167	–	1,199	1,199	602	502
	%	15·5	5·6	16·8	15.7			1·1	–	·8	·7		
3	2.00 – 3·99	55,041	1,672	75,109	76,781	3,078	40	3,101	–	3,456	3,456	258	75
	%	17·7	5·3	17·5	16·6			1·8	–	·8	·7		
4	4·00 – 9·99	87,875	8,340	2,36,784	2,45,124	7,462	30	3,180	53	6,478	6,581	6,558	1,004
	%	21·7	14·8	21·0	20·7			·8	·1	·6	·6		
5	10 & More	31,725	3,972	1,41,071	1,45,043	4,902	34	1,714	40	5,001	5,040	819	162
	%	20·5	7·4	17·6	17.0			1·1	·1	·6	·6		
	(All classes)	2,33,505	15,210	4,90,192	5,05,402	17,713	35	10,396	92	16,316	16,408	8,262	504
	%	19·4	9·2	19·1	18·5			·9	·1	·6	·6		

STATE

Table 1.5 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	588	403	–	403	1	2
	%							·2	1.3		·1		
4	4.00 – 9.99	2,332	551	908	1,460	68	47	2,480	604	1,405	2,009	2	1
	%	·6	1.0	·1	·1			·6	1.1	·1	·2		
5	10 & More	2,155	802	2,252	3,054	63	21	1,249	164	1,802	1,966	8	4
	%	1·4	1·5	·3	·4			·8	·3	·2	·2		
(All classes)		4,487	1,353	3,160	4,514	131	29	4,317	1,171	3,207	4,379	11	3
	%	·4	·8	·1	·2			·4	·7	·1	·2		

NOTE –

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

Table 16 *ESTIMATED UNIRRIGATED AREA UNDER WHEAT COVERED BY DIFFERENT INPUTS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	15,03,489	7,05,359	53,980	1,580	11,027	12,607
	%			3·9	12·5	87·5	1·9
2	1.00 – 1·99	11,41,135	16,74,195	68,838	6,902	26,284	33,187
	%			6·4	20·8	79·2	2·1
3	2.00 – 3·99	13,38,442	38,29,781	1,37,575	6,402	79,264	85,666
	%			11·0	7·5	92.5	2·4
4	4.00 – 9·99	13,50,520	83,29,818	1,97,026	24,095	1,90,980	2,15,075
	%			15·5	11·2	88.8	2·8
5	10 & More	4,23,967	64,49,590	79,368	9,220	1,31,038	1,40,258
	%			20·8	6·6	93·4	2·3
(All classes)		57,57,553	2,09,88,744	5,36,787	48,199	4,38,593	4,86,792
	%			10·0	9·9	90·1	2·5

Table 16 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	196	20	–	20	2	102	416	33	–	33	12	369
	%	·4	1·2		·2			·8	2·1		·3		
2	1.00 – 1·99	1,549	1,653	3	1,657	569	343	–	–	–	–	–	–
	%	2·3	24·0		5·0								
3	2.00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9·99	–	–	–	–	–	–	32	–	81	81	9	111
	%												
5	10 & More	85	99	–	99	10	101	165	43	256	299	15	50
	%	·1	1·1		·1			·1	·5	·2	·2		
(All classes)		1,830	1,772	3	1,776	581	327	613	75	338	413	36	87
	%	·3	3·7		·4			·1	·2	·1	·1		

STATE

Table 16 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	7,124	80	1,361	1,442	129	89	1,206	157	63	220	29	132
	%	13·2	5·1	12·3	11·4			2·2	9·9	·6	1·7		
2	1·00 – 1·99	12,253	3,216	3,698	6,913	957	138	1,209	206	123	330	27	142
	%	17·8	46·6	14·1	20·8			1·8	3·0	·5	1·0		
3	2·00 – 3·99	8,983	2,348	4,862	7,210	643	89	2,612	448	284	731	152	208
	%	6·5	36·7	6·1	8·4			1·9	7·0	·4	·9		
4	4·00 – 9·99	15,612	5,727	13,538	19,265	1,281	66	4,818	2,905	3,751	6,656	657	99
	%	7·9	23·8	7·1	9·0			2·4	12·1	2·0	3·1		
5	10 & More	7,238	2,554	9,870	12,424	674	54	4,769	1,626	9,918	11,544	843	73
	%	9·1	27·7	7·5	8·9			6·0	17·6	7·6	8·2		
	(All classes)	51,210	13,924	33,329	47,253	3,684	78	14,610	5,341	14,139	19,481	1·708	89
	%	9·5	28·9	7·6	9·7			2·7	11·1	3·2	4·0		

Table 16 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	14,031	43	3,610	3,653	251	69	920	–	84	84	9	108
	%	26·0	2·7	32·7	29·0			1·7		·8	·7		
2	1·00 – 1·99	9,861	471	4,709	5,180	193	37	469	–	280	280	6	21
	%	14·3	6·8	17·9	15·6			·7		1·1	·8		
3	2·00 – 3·99	25,864	1,989	13,678	15,667	609	39	1,503	–	1,381	1,381	43	31
	%	18·8	31·1	17·3	18·3			1·1		1·7	1·6		
4	4·00 – 9·99	34,540	4,598	23,922	28,520	1,390	94	3,571	–	7,647	7,647	217	28
	%	17·5	19·1	12·5	13·3			1·8		4·0	3·6		
5	10 & More	14,464	1,940	23,794	25,734	868	34	1,343	113	2,324	2,437	58	24
	%	18·2	21·0	18·2	18·3			1·7	1·2	1·8	1·7		
	(All classes)	98,760	9,041	69,714	78,755	3,311	42	7,806	113	11,715	11,828	333	28
	%	18·4	18·8	15·9	16·2			1·5	·2	2·7	2·4		

STATE

Table 16 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46 + 47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52 + 53)	Kilo. Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	–	–	–	–	–	–	82	16	–	16	–	–
								·2	1·0		·1		
2	1.00 – 1.99	–	–	–	–	–	–	38	29	–	29	–	–
								·1	·4		·1		
3	2.00 – 3.99	2,101	1,194	1,095	2,289	68	30	352	–	1,095	1,095	1	1
		1·5	18·7	1·4	2·7			·3		1·4	1·3		
4	4.00 – 9.99	1,447	26	69	94	1	11	422	401	–	401	–	–
		·7	·1					·2	1·7		·2		
5	10 & More	476	111	546	657	5	8	848	1,354	343	1,696	1	1
		·6	1·2	·4	·5			1·1	14·7	·3	1·2		
(All classes)		4,024	1,330	1,710	3,040	74	24	1,742	1,800	1,438	3,237	2	1
%		·7	2·8	·4	·6			·3	3·7	·3	·7		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H· Y· V· & other variety is with respect to total area under the crop·

3) Percentage of treated area under H· Y· V·, other variety & total area treated with different input is with respect to respective area under tbe crop·

Table–17 *ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT CHEMICAL FERTILIZERS IN UNIRRIGATED AREAS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Number and Area benefitted by Chemical Fertilizers									
				No. of Holdings Growing one or more selected Crops	Unirrigated Area under selected Crops	Ammonium Sulphate				Super Phosphate			
		Number	Area			No. of Holdings	S.E. % S E	Area	S.E. % S.E.	No. of Holdings	S.E. % S.E	Area	S.E. % S.E
		3	4	5	6	7	8	9	10	11	12	13	14
1	Below – 1·00	15,03,489	7,05,359	12,09,953	5,07,477	51,188	9,230	17,535	2,940	5,669	2,408	2,179	954
	%			86·8	78·3	4·2	18·0	3·5	16·8	0·5	43·5	0·4	43·8
2	1·00 – 1·99	11,41,135	16,74,195	9,57,516	10,16,565	32,814	5,922	18,044	4,144	9,948	2,412	7,474	2,296
	%			89·4	64·6	3·4	18·0	1·8	23·0	1·0	24·2	0·7	30·7
3	2·00 – 3·99	13,38,442	38,29,781	11,63,346	22,31,091	38,742	4,348	28,358	4,476	14,511	4,095	14,469	4,849
	%			92·8	62·2	3·3	11·2	1·3	15·8	1·2	28·2	0·6	33·5
4	4·00 – 9·99	13,50,520	83,29,818	12,16,785	48,28,585	24,054	4,781	26,544	7,188	19,120	6,358	32,220	12,899
	%			95·8	62·2	2·0	19·9	0·5	27·1	1·6	33·3	0·7	40·0
5	10 & More	4,23,967	64,49,590	3,76,176	31,50,646	12,391	3,156	34,461	12,403	9,691	2,250	27,732	8,103
	%			98·4	52·4	3·3	25·5	1·1	36·0	2.6	23·2	0·9	29·2
(All classes)		57,57,553	2,09,88,744	49,23,776	1,17,34,363	1,59,189	13,115	1,24,942	15,854	58,939	8,595	84,074	16,178
	%			91·7	59·9	3·2	8·2	1·1	12,7	1·2	14·6	0·7	19·2

Table–17 (Contd.)

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Unirrigated Area under selected Crops	Chemical Fertilizers							
						Urea				Other Chemical Fertilizers			
		Number	Area			No. of Holdings	S.E.	Area	S.E.	No. of Holdings	S.E.	Area	S.E.
1	2	3	4	5	6	15	16	17	18	19	20	21	22
1	Below – 1·00	15,03,489	7,05,359	12,09,953	5,07,477	1,95,087	26,702	69,251	9,310	2,41,592	79,223	70,195	16,962
	%			86·8	78·3	16·1	13·7	13·6	13·4	20·0	32·8	13·8	24·2
2	1·00 – 1·99	11,41,135	16,74,195	9,57,516	10,16,565	1,80,155	18,906	1,44,545	16,561	1,45,994	16,229	1,09,705	15,058
	%			89·4	64·6	18·8	10·5	14·2	11,5	15·2	11.1	10·8	13·7
3	2·00 – 3·99	13,38,442	38,29,781	11,63,346	22,31,091	2,22,163	18,433	2,45,745	24,368	1,78,035	17,797	1,99,897	25,304
	%			92·8	62·2	19·1	8·3	11·0	9.9	15·3	10·0	9·0	12·7
4	4·00 – 9·99	13,50,520	83,29,818	12,16,785	48,28,585	2,61,873	20,216	4,96,139	45,044	1,97,464	16,131	3,63,111	35,731
	%			95·8	62·2	21·5	7·7	10·3	9·1	16·2	8·2	7·5	9·9
5	10 & More	4,23,967	64,49,590	3,76,176	31,50,646	1,03,033	7,234	3,23,740	28,340	89,905	7,238	3,02,043	30,468
	%			98·4	52·4	27·4	7·0	10·3	8·8	23·9	8·1	9·5	10·2
(All classes)		57,57,553	2,09,88,744	49,23,776	1,17,34,363	9,62,311	43,258	12,79,421	61,537	8,52,990	84,670	10,44,953	57,96
	%			91·7	59·9	19·5	4.5	10·9	4·8	17·3	9·9	8.9	5·

Table–17 A *ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT ORGANIC MANURES AND PESTICIDES IN UNIRRIGATED AREAS*

(Area in hectares)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	un Irrigated Area under selected Crops	No. of Holdings and Area benefitted by Organic Manures					
						Organic Manures				Pesticides	
						Farm yard Manure		Compost		Pesticides	
		Number	Area			No. of Holdings	Area	No. of Holdings	Area	No. of Holdings	Area
1	2	3	4	5	6	23	24	25	26	27	28
1	Below – 1·00	15,03,489	7,05,359	12,09,953	5,07,477	6,27,286	2,04,834	52,956	19,131	1,51,943	52,628
	%			86·8	78·3	51·8	40·4	4·4	3·8	12·6	10·4
2	1·00 – 1·99	11,41,135	16,74,195	9,57,516	10,16,565	3,81,878	3,05,657	34,672	27,602	1,26,308	1,00,513
	%			89·4	64·6	39·9	30·1	3·6	2·7	13·2	9·9
3	2·00 – 3·99	13,38,442	38,29,781	11,63,346	22,31,091	4,69,953	5,81,867	37,415	51,705	1,49,739	1,48,839
	%			92·8	62·2	40·4	26·1	3·2	2·3	12·9	6·7
4	4·00 – 9·99	13,50,520	83,29,818	12,16,785	48,28,585	5,27,340	12,62,933	36,361	1,01,710	1,81,569	3,00,874
	%			95·8	62·2	43·3	26·2	3·0	2·1	14·9	6·2
5	10 & More	4,23,967	64,49,590	3,76,176	31,50,646	1,81,200	8,98,524	10,597	44,286	86,563	2,56,565
	%			98·4	52·4	48·2	28·5	2·8	1·4	23·0	8·1
	(All classes)	57,57,553	2,09,88,744	49,23,776	1,17,34,363	21,87,657	32,53,816	1,72,001	2,44,434	6,96,122	8,59,418
	%			97.7	59.9	44.4	27·7	3.5	2·1	14.1	7·3

Table–18 *ESTIMATED NUMBER OF CATTLE REPORTED BY OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		Males over 3 years				Females over 3 years			
		Number	Area	No. of Holdings reporting males	Working	Others	Total Males (6+7)	No. of Holdings reporting females	In Milk	Others	Total Females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	15,03,489	7,05,359	5,11,297	9,36,908	77,219	10,14,127	4,04,118	4,60,115	2,33,914	6,94,029
2	1·00 – 1·99	11,41,135	16,74,195	4,95,008	9,81,795	65,156	10,46,951	4,49,932	5,20,974	2,84,431	8,05,405
3	2·00 – 3·99	13,38,442	38,29,781	8,15,140	17,21,509	1,07,448	18,28,957	6,27,135	8,02,936	4,18,872	12,21,808
4	4·00 – 9·99	13,50,520	83,29,818	9,99,053	24,04,365	1,75,440	25,79,805	8,20,132	12,50,498	6,71,394	19,21,892
5	10 & More	4,23,967	64,49,590	3,39,414	11,82,916	93,833	12,76,749	2,98,921	6,68,695	3,93,191	10,61,886
	(All classes)	57,57,553	2,09,88,744	31,59,912	72,27,493	5,19,096	77,46,589	26,00,238	37,03,218	20,01,802	57,05,020

Table–18 (Contd.)

Sr. No.	Size Class of Holdings	Youngstock upto 3 years		Total	Total no. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock	Cols. (8+12+14)	
		13	14	15	16
1	Below – 1·00	2,51,440	3,89,035	20,97,191	6,84,910
2	1·00 – 1·99	2,58,279	4,22,068	22,74,424	6,35,237
3	2·00 – 3·99	3,67,715	6,78,410	37,29,175	9,37,724
4	4·00 – 9·99	5,19,345	10,71,163	55,72,860	10,79,149
5	10 & More	2,00,558	5,51,442	28,90,077	3,52,539
	(All classes)	15,97,337	31,12,118	1,65,63,727	36,89,559

STATE

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–19 *ESTIMATED NUMBER OF BUFFALOES REPORTED BY OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings reporting males	Males over 3 years			No. of Holdings reporting females	Females over 3 years		
		Number	Area		Working	Others	Total Males (6 + 7)		In Milk	Others	Total Females (10 + 11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	15,03,489	7,05,359	96,438	1,15,471	50,597	1,66,068	2,83,119	3,12,616	90,635	4,03,251
2	1·00 – 1·99	11,41,135	16,74,195	51,386	67,164	14,615	81,779	2,11,127	2,52,129	81,248	3,33,377
3	2·00 – 3·99	13,38,442	38,29,781	60,902	93,883	16,664	1,10,547	2,98,891	3,88,503	98,715	4,87,318
4	4·00 – 9·99	13,50,520	83,29,818	56,360	89,451	12,806	1,02,257	4,04,679	5,22,312	1,75,457	6,97,769
5	10 & More	4,23,967	64,49,590	25,926	57,536	9,627	47,163	1,73,176	2,34,904	99,268	3,34,172
	(All classes)	57,57,553	2,09,88,744	2,91,012	4,03,505	1,04,309	5,07,814	13,70,992	17,10,464	5,45,423	22,55,887

Table–19 (Contd.)

Sr. No.	Size Class of Holdings	Youngstock upto 3 years		Total Cols. (8 + 12 + 14)	Total no. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1·00	1,38,342	1,90,002	7,59,321	3,88,088
2	1·00 – 1·99	98,203	1,24,995	5,40,151	2,50,032
3	2·00 – 3·99	1,52,397	2,13,918	8,11,783	3,50,838
4	4·00 – 9·99	1,78,459	2,74,709	10,74,735	4,45,364
5	10 & More	77,918	1,29,152	5,10,487	1,88,094
	(All classes)	6,45,319	9,32,776	36,96,477	16,22,416

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

STATE

Table–20

ESTIMATED NUMBER OF CATTLE PER 100 HECTARES OF AREA OPERATED BY HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings		No. of cattle per 100 hectares of area operated by Households							
				No. of Holdings Reporting Males	Males over 3 years			No. of Holdings Reporting Females	Females over 3 years		
		Number	Area		Working	Others	Total Col. (6 + 7)		In milk	Others	Total Col. (10 + 11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	15,03,489	7,05,359	5,11,297	145	12	157	4,04,118	71	36	108
2	1·00 – 1·99	11,41,135	16,74,195	4,95,008	62	4	66	4,49,932	33	18	51
3	2·00 – 3·99	13,38,442	38,29,781	8,15,140	46	3	49	6,27,135	22	11	33
4	4·00 – 9·99	13,50,520	83,29,818	9,99,053	29	2	31	8,20,132	15	8	23
5	10 & More	4,23,967	64,49,590	3,39,414	19	2	20	2,98,921	11	6	17
	(All classes)	57,57,553	2,09,88,744	31,59,912	36	3	39	26,00,238	19	10	29

Table–20 (Contd·)

Sr. No.	Size Class of Holdings	No. of cattle per 100 hectares of area operated by households			
		Youngstock upto 3 years		Total	Total No. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock	Cols. (8 + 12 + 14)	
		13	14	15	16
1	Below – 1·00	2,51,440	60	325	6,84,910
2	1·00 – 1·99	2,58,279	27	143	6,35,237
3	2·00 – 3·99	3,67,715	18	101	9,37,724
4	4·00 – 9·99	5,19,345	13	67	10,79,149
5	10 & More	2,00,558	9	46	3,52,539
	(All classes)	15,97,337	16	83	36,89,559

STATE

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table –21

ESTIMATED NUMBER OF BUFFALOES PER 100 HECTARES OF AREA OPERATED BY HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	No. of Buffaloes per 100 hectares of area operated by Households									
		Total Holdings			Males over 3 years				Females over 3 years		
		Number	Area	No. of Holdings reporting males	Working	Others	Total males Col. (6+7)	No. of Holdings reporting females	In Milk	Others	Total females Col. (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	15,03,489	7,05,359	96,430	18	8	26	2,83,119	48	14	63
2	1·00 – 1·99	11,41,135	16,74,195	51,380	4	1	5	2,11,127	16	5	21
3	2·00 – 3·99	13,38,442	38,29,781	60,902	3	–	3	2,98,891	10	3	13
4	4·00 – 9·99	13,50,520	83,29,818	56,360	1	–	1	4,04,679	6	2	8
5	10 & More	4,23,967	64,49,590	25,920	1	–	1	1,73,176	4	2	5
	(All classes)	57,57,553	2,09,88,744	2,91,012	2	1	3	13,70,992	9	3	11

Table–21 (Contd.)

Sr. No.	Size Class of Holdings	No. of Buffaloes per 100 hectares of area operated by Households			
		Youngstock upto 3 years		Total of	
		Number of Holdings reporting youngstock	Total youngstock	Cols. (8 + 12 + 14)	Holdings reporting one or more categories
		13	14	15	16
1	Below – 1·00	1,38,342	29	118	3,88,088
2	1·00 – 1·99	98,203	8	34	2,50,032
3	2·00 – 3·99	1,52,397	6	22	3,50,838
4	4·00 – 9·99	1,78,459	3	13	4,45,364
5	10 & More	77,918	2	8	1,88,094
	(All classes)	6,45,319	5	18	16,22,416

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–22 *ESTIMATED NUMBER OF CATTLE PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		No. of Cattle per 100 Operating Households							
				Males over 3 years				Females over 3 years			
		Number	Area	No. of Holdings reporting males	Working	Others	Total males (6+7)	No. of Holdings reporting females	In Milk	Others	Total females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	15,03,489	7,05,359	5,11,297	67	6	73	4,04,118	33	17	50
2	1·00 – 1·99	11,41,135	16,74,195	4,95,008	91	6	97	4,49,932	48	26	75
3	2·00 – 3·99	13,38,442	38,29,781	8,15,140	136	8	144	6,27,135	63	33	97
4	4·00 – 9·99	13,50,520	83,29,818	9,99,053	188	14	201	8,20,132	98	52	150
5	10 & More	4,23,967	64,49,590	3,39,414	309	24	333	2,98,921	175	103	277
	(All classes)	57,57,553	2,09,88,744	31,59,912	130	9	139	26,00,238	67	36	103

Table–22 (Contd·)

Sr. No.	Size Class of Holdings	No. of Cattle per 100 Operating Households			
		Youngstock upto 3 years		Total Cols. (8+12+14)	Total No. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1·00	2,51,440	28	151	6,84,910
2	1·00 – 1·99	2,58,279	39	212	6,35,237
3	2·00 – 3·99	3,67,715	54	295	9,37,724
4	4·00 – 9·99	5,19,345	84	435	10,79,149
5	10 & More	2,00,558	144	754	3,52,539
	(All classes)	15,97,337	56	298	36,89,559

STATE

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–23 *ESTIMATED NUMBER OF BUFFALOES PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		Buffaloes per 100 Operating Households							
				Males over 3 years				Females over 3 years			
		Number	Area	No. of Holdings reporting males	Working	Others	Total males (6+7)	No. of Holdings reporting females	In Milk	Others	Total females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	15,03,489	7,05,359	96,430	8	4	12	2,83,119	23	7	29
2	1·00 – 1·99	11,41,135	16,74,195	51,380	6	1	8	2,11,127	23	8	31
3	2·00 – 3·99	13,38,442	38,29,781	60,902	7	1	9	2,98,891	31	8	38
4	4·00 – 9·99	13,50,520	83,29,818	56,360	7	1	8	4,04,679	41	14	54
5	10 & More	4,23,967	64,49,590	25,920	10	3	12	1,73,176	61	26	87
	(All classes)	57,57,553	2,09,88,744	2,91,012	7	2	9	13,70,992	31	10	41

Table–23 (Contd·)

Sr. No.	Size Class of Holdings	No. of Buffaloes per 100 Operating Households			
		Youngstock upto 3 years		Total	Total No. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock	Cols. (8+12+14)	
		13	14	15	16
1	Below – 1·00	1,38,342	14	55	3,88,088
2	1·00 – 1·99	98,203	12	50	2,50,032
3	2·00 – 3·99	1,52,397	17	64	3,50,838
4	4·00 – 9·99	1,78,459	21	84	4,45,364
5	10 & More	77,918	34	133	1,88,094
	(All classes)	6,45,319	17	67	16,22,416

STATE

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 24

ESTIMATED NUMBER OF LIVESTOCK (OTHER THAN CATTLE AND BUFFALOES) PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings		Number per 100 Operating Households													
				Sheep			Goats			Horses and Ponies	Mules	Donkeys or Asses	Pigs			Camels	Other Livestock
		Number	Area	Under one year	One year & above	Total	Under one year	One year & above	Total				below 6 months	above 6 months	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Below 1.00	15,03,489	7,05,359	7	28	35	17	38	55	–	–	–	–	–	–	–	–
	%																
2	1.00 – 1.99	11,41,135	16,74,195	8	51	59	24	52	76	–	–	–	–	1	1	–	1
	%																
3	2.00 – 3.99	13,38,442	38,29,781	13	36	48	22	50	73	–	–	–	1	–	1	–	–
	%																
4	4.00 – 9.99	13,50,520	83,29,818	13	79	92	33	65	98	1	–	–	–	–	–	–	–
	%																
5	10 & More	4,23,967	64,49,590	50	122	173	45	97	142	2	–	–	1	1	2	–	1
	%																
	(All classes)	57,57,553	2,09,88,744	13	52	64	25	53	78	1	–	–	–	–	1	–	–

Table 25

ESTIMATED NUMBER OF POULTRY PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings		Number per 100 Operating Households												
				Cocks			Hens			Chickens below 5 months			Ducks			Total Poultry
		Number	Area	Deshi	Improved	Total (Col. 5 + 6)	Deshi	Improved	Total (Col 8 + 9)	Deshi	Improved	Total (Col. 11 + 12)	Deshi	Improved	Total (Col. 14 + 15)	Col. 7 + 10 + 13 + 16
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Below 1.00	15,03,489	7,05,359	–	–	23	–	–	146	–	–	49	–	–	–	218
	%															
2	1.00 – 1.99	11,41,135	16,74,195	–	–	24	–	–	138	–	–	47	–	–	–	210
	%															
3	2.00 – 3.99	13,38,442	38,29,781	–	–	23	–	–	123	–	–	39	–	–	–	185
	%															
4	4.00 – 9.99	13,50,520	83,29,818	–	–	24	–	–	137	–	–	59	–	–	–	220
	%															
5	10 & More	4,23,967	64,49,590	–	–	33	–	–	171	–	–	80	–	–	–	283
	%															
	(All classes)	57,57,553	2,09,88,744	–	–	23	–	–	135	–	–	49	–	–	–	208

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

STATE
Table–26

ESTIMATED NUMBER OF AGRICULTURAL MACHINERY OWNED INDIVIDUALLY PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	Ploughs Wooden	Ploughs Iron	Total Col. 5+6	Earth Leveller or Scrapers	Harrows & Hoes	Hand Tractors Power Tillers	Seed Drills	Maize Shellers	Sprayers	Dusters	Harvesters	Chaff Cutters	Threshers
		Number of Agricultural Machinery Owned Individually per 100 Operating Households														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Below – 1.00 %	15,03,489	7,05,359	38	4	43	8	57	–	13	–	–	–	–	1	–
2	1.00 – 1.99 %	11,41,135	16,74,195	41	8	50	8	78	1	25	–	1	–	1	1	1
3	2.00 – 3.99 %	13,38,442	38,29,781	51	14	65	12	109	–	42	–	2	1	–	1	2
4	4.00 – 9.99 %	13,50,520	83,29,818	65	27	92	14	152	–	58	–	6	2	–	3	2
5	10 & More %	4,23,967	64,49,590	80	54	134	19	226	–	85	–	13	4	2	6	4
(All classes)		57,57,553	2,09,88,744	50	16	66	11	105	–	37	–	3	1	–	2	1

Table 26 (Contd.)

Sr. No.	Size Class of Holdings	Pumps Electric	Pumps Diesel	Pumps Others	Pumps Total Col. 16+19+20	Bullock Carts	Cane Crushers	Oil Crusher	Persian wheel or Rahat	Tractors less than 10 H.P.	Tractors 10 to 14 H.P.	Tractors 14 to 19 H.P.	Tractors more than 20 H.P.	Tractors H.P. not known	Tractors Total	Other Machinery
		Number of Agricultural Machinery owned Individually per 100 operating Households														
		18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00 %	6	3	–	9	15	–	–	–	–	–	–	–	–	–	356
2	1.00 – 1.99 %	7	2	1	9	25	–	–	–	–	–	–	1	–	1	313
3	2.00 – 3.99 %	7	5	2	14	39	–	–	–	–	–	–	–	–	–	330
4	4.00 – 9.99 %	10	5	4	20	55	–	–	–	–	–	–	–	3	3	378
5	10 & More %	19	12	5	36	78	–	–	–	1	–	–	–	3	3	449
(All classes)		8	4	2	14	35	–	–	–	–	–	–	–	1	1	343

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

STATE
Table 27

ESTIMATED NUMBER OF AGRICULTURAL MACHINERY OWNED INDIVIDUALLY PER 100 HECTARES OF AREA OPERATED BY HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	Ploughs Wooden	Ploughs Iron	Total Col. 5 + 6	Earth Leveller or Scrapers	Harrows & Hoes	Hand Tractors Power Tillers	Seed Drills	Maize Shellers	Sprayers	Dusters	Harvesters	Chaff Cutters	Threshers
		Number of Agricultural Machinery Owned Individually per 100 hectares of Area Operated by Households														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Below 1.00	15,03,489	7,05,359	83	9	92	17	123	–	29	–	–	–	–	2	–
2	1.00 – 1.99	11,41,135	16,74,195	28	6	34	5	53	–	17	–	1	–	–	1	1
3	2.00 – 3.99	13,38,442	38,29,781	17	5	22	4	37	1	14	–	1	–	–	–	1
4	4.00 – 9.99	13,50,520	83,29,818	10	4	14	2	23	–	9	–	1	–	–	–	–
5	10 & More	4,23,967	64,-9,590	5	3	8	1	14	–	5	–	1	–	–	–	–
	(All Classes)	57,57,553	2,09,88,744	14	4	18	3	29		10		1			1	

Table 27 (Contd.)

Sr. No.	Size Class of Holdings	Pumps Electric	Pumps Diesel	Pumps Others	Pumps Total Col 18 + 19 + 20	Bullock Carts	Cane Crushers	Oil Crushers	Persian wheel or Rahat	Tractors with H.P. less than 10	Tractors with H.P. 10 to 14	Tractors with H.P. 14 to 19	Tractors with H.P. 20 & above	Tractors with H.P. H.P. not available	Tractors with H.P. Total	Other Machinery
		18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Below 1.00	13	7	–	20	32	–	–	–	–	–	–	–	–	–	767
2	1.00 – 1.99	5	1	1	6	17	–	–	–	–	–	–	–	–	–	212
3	2.00 – 3.99	3	2	1	5	13	–	–	–	–	–	–	–	–	–	113
4	4.00 – 2.99	2	1	1	3	8	–	–	–	–	–	–	–	–	–	58
5	10 & More	1	1	–	2	5	–	–	–	–	–	–	–	–	–	28
	(All Classes)	2	1	1	4	10	–	–	–	–	–	–	–	–	–	95

REGION–1
(COASTAL)

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table 1 *ESTIMATED AREA CROPPED ONCE AND MORE THAN ONCE IN IRRIGATED AREAS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Cropped once	Irrigated Area						
					Cropped twice		Cropped more than twice				
		Number	Area		(5 to 10) Irrigated	Two crops Irrigated	One crop Irrigated	Two crops Irrigated	More than two crops Irrigated	Net Irrigated (5 to 10)	Gross Irrigated
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1	3,74,127	1,42,849	2,716	–	–	–	–	–	2,716	2,716
	%			100·0						2·7	100·0
2	1·00 – 1·99	1,37,392	1,97,202	623	–	–	–	–	–	623	623
	%			100·0						·7	100·0
3	2·00 – 3·99	1,19,241	3,38,245	1,543	–	–	–	–	–	1,543	1,543
	%			100·0						1·4	100·0
4	4·00 – 9·99	94,458	5,75,847	667	–	–	–	–	–	667	667
	%			100·0						·5	100·0
5	10 & More	31,428	5,83,424	10,169	–	–	–	–	–	10,169	10,169
	%			100·0						17·3	100·0
(All classes)		7,56,646	18,37,568	15,718	–	–	–	–	–	15,718	15,718
	%			100·0						3·4	100·0

Table–1 A *ESTIMATED AREA CROPPED ONCE AND MORE THAN ONCE IN UNIRRIGATED AREAS AND AREA AFFECTED BY WATER LOGGING AND SALINITY*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Unirrigated Area				Number of Holdings and Area affected by					
				Cropped once	Cropped more than once	Net Unirrigated (5+6)	Gross Unirrigated	Water logging				Salinity	
								No. of Holdings	Area affected		Total of (10+11)	No. of Holdings	Area affected
		Number	Area						with drainage	without drainage			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Below – 1	3,74,127	1,42,849	94,358	3,690	98,047	1,01,738	51,133	4,081	26,404	30,486	9,042	4,081
	%			96·2	3·7	97·3	103·7	18·7	3·6	23·5	27·2	3·3	3·6
2	1·00 – 1·99	1,37,392	1,97,202	77,283	2,550	79,833	82,382	25,433	7,042	23,751	30,793	7,085	7,042
	%			96·8	3·1	99·2	103·1	26·4	5·1	17·3	22·5	7·4	5·1
3	2·00 – 3·99	1,19,241	3,38,245	1,00,533	4,712	1,05,244	1,09,957	15,544	8,503	22,693	31,195	3,575	8,503
	%			95·5	4·4	98·5	104·4	18·6	3·6	9·8	13·4	4·3	3·6
4	4·00 – 9·99	94,458	5,75,847	1,14,181	414	1,14,596	1,15,010	5,245	1,550	14,082	15,632	424	1·550
	%			99·6	·3	99·4	100·3	7·6	·3	3·3	3·7	·6	·3
5	10 & More	31,428	5,83,424	48,526	83	48,609	48,692	1,085	–	6,264	6,264	–	–
	%			99·8	·1	82·7	100·1	8·8	–	1·0	1·0	–	–
(All classes)		7,56,646	18,37,568	4,34,880	11,449	4,46,328	4,57,778	98,440	21,176	93,194	1,14,370	20,126	21,176
	%			97·4	2·5	96·6	102·5	18·4	1·4	6·2	7·6	3·8	1·4

REGION–1

(COASTAL)

Table-1 B

ESTIMATES OF NET & GROSS AREA, AREA WATER LOGGED & AFFECTED BY SALINITY, ALONG WITH STANDARD ERROR.

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Net Irrigated Area	S.E.	Gross Irrigated Area	S.E.	Net Unirrigated Area	S.E.	Gross Unirrigated Area	S.E.
		Number	Area								
1	2	3	4	5	6	7	8	9	10	11	12
1	Below– 1.00	3,74,127	1,42,849	2,716	1,610	2,716	1,610	98,047	8,739	1,01,738	10,051
	%				59.2		59.2		8.9		9.8
2	1.00 – 1.99	1,37,392	1,97,202	623	550	623	550	79,833	5,581	82,382	6,894
	%				88.2		88.2		6.9		8.3
3	2.00 – 3.99	1,19,241	3,38,245	1,543	712	1,543	712	1,05,244	10,485	1,09,957	12,278
	%				46.1		46.1		9.9		11.1
4	4.00 – 9.99	94,458	5,75,847	667	345	667	345	1,14,596	15,494	1,15,010	15,494
	%				51.7		51.7		13.5		13.4
5	10 & More	31,428	5,83,424	10,169	9,755	10,169	9,755	48,609	7,009	48,692	7,012
	%				95.9		95.9		14.4		14.4
	(All classes)	7,56,646	18,37,568	15,718	9,934	15,718	9,934	4,46,328	22,509	4,57,778	24,260
	%				63.2		63.2		5.0		5.3

REGION–1
(COASTAL)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED NUMBER AND AREA OF HOLDINGS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES AND PESTICIDES IN IRRIGATED AREAS

Table–2

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Gross area under one or more selected Crops	Chemical Fertilizers		Organic Manures		Pesticides	
		Number	Area			No. of Holdings benefited	Area Treated	No. of Holdings benefited	Area Treated	No. of Holdings benefited	Area Treated
1	2	3	4	5	6	7	8	9	10	11	12
1	Below– 1	3,74,127	1,42,849	32,471	3,692	26,432	3,209	31,425	2,941	2,100	1,057
	%			11·9	3·3	81·4	86·9	96·8	79·7	6·5	28·6
2	1·00 – 1·99	1,37,392	1,97,202	3,338	580	2,378	415	3,099	527	–	–
	%			3·5	·4	71·2	71·5	92·8	90·8	–	–
3	2·00 – 3·99	1,19,241	3,38,245	7,416	823	6,744	724	7,256	799	1,355	151
	%			8·9	·4	90·9	88·0	97·8	97·0	18·3	18·3
4	4·00 – 9·99	94,458	5,75,847	3,774	687	2,194	560	3,638	631	636	132
	%			5·4	·2	58·1	81·6	96·4	91,8	16·9	19·2
5	10 & More	31,428	5,83,568	2,830	780	2,544	588	2,716	611	227	58
	%			23·1	·1	89·9	75·5	96·0	78·4	8·0	7·4
	(All classes)	7,56,646	18,37,568	49,829	6,562	40,292	5,497	48,134	5,508	4,318	1,398
	%			9·3	·4	80·9	83·8	96·6	83·9	8·7	21·3

REGION–1 *ESTIMATED STANDARD ERRORS OF THE ESTIMATES OF HOLDINGS AND AREA GROWING ONE OR MORE CROPS AND HOLDINGS AND AREAS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES AND PESTICIDES*

Table–2 A

Area in hectares

Sr. No.	Size Class of Holdings	No. of holdings growing one or more selected Crops & Gross irrigated area.		Chemical Fertilizers		Organic Manure		Pesticide	
		No. S.E.	Area S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.
1	2	3	4	5	6	7	8	9	10
1	Below – 1·00	11,271	1,683	5,823	1,520	11,036	1,252	1,352	1,014
	%	34·7	45·6	22·0	47·4	35·1	42·6	64·4	95·9
2	1·00 – 1·99	2,942	508	2,003	346	2,920	503	–	–
	%	88·1	87·6	84·2	83·6	94·2	95·5	–	–
3	2·00 – 3·99	2,502	233	2,513	229	2,502	233	166	14
	%	33·7	28·3	37·3	31·7	34·5	29·2	12·3	9·5
4	4·00 – 9·99	2,409	352	903	243	2,405	340	–	–
	%	63·8	51·3	41·2	43·4	66·1	53·9	–	–
5	10 & More	1,197	268	1,191	268	1,231	224	206	49
	%	42·3	34·3	46·8	39·3	44·0	36·6	90·7	84·5
	(All classes)	12,214	1,828	6,817	1,611	11,991	1,428	1,378	1,015
	%	24·5	27·9	16·9	29·3	24·9	25·9	31·9	72·6

REGION–1
(COASTAL)
Table 3

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED IRRIGATED AREA UNDER PADDY COVERED BY DIFFERENT INPUTS

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below– 1	3,74,127	1,42,983	25,464	2,820	523	3,343
	%			9·3	84·4	15·6	3·0
2	1.00 – 1.99	1,37,392	1,96,700	3,338	580	–	580
	%			3·5	100·0	–	·4
3	2.00 – 3.99	1,19,241	3,39,969	5,323	289	330	619
	%			6·4	46·7	53·3	·3
4	4.00 – 9.99	94,458	5,71,589	3,774	241	446	687
	%			5·4	35·1	64·9	·2
5	10 & More	31,428	5,59,203	2,830	151	629	780
	%			23·1	19·4	80·6	·1
(All size classes)		7,56,646	18,37,568	40,729	4,081	1,927	6,008
	%			7·6	67·9	32·1	·4

Table 3 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below– 1·00	10,012	896	61	957	145	152	–	–	–	–	–	–
	%	39·3	31·8	11·6	28·6								
2	1·00 – 1·99	2,378	415	–	415	95	229	–	–	–	–	–	–
	%	71·2	71·5	–	71·5								
3	2·00 – 3·99	3,195	146	190	335	96	286	–	–	–	–	–	–
	%	60·0	50·4	57·6	54·2								
4	4·00 – 9·99	448	101	58	158	26	164	–	–	–	–	–	–
	%	11·9	41·8	12·9	23·1								
5	10 & More	847	21	111	132	33	251	–	–	–	–	–	–
	%	29·9	14·0	17·6	16·9								
(All size classes)		16,880	1,578	419	1,997	395	198	–	–	–	–	–	–
	%	41·4	38·7	21·7	33·2								

REGION–1 (COASTAL)

Table 3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1 Below– 1.00		10,380	1,803	462	2,265	347	153	740	–	–	–	–	–
	%	40.8	63.9	38.4	67.8			2.9	–	–	–		
2 1.00 – 1.99		–	–	–	–	–	–	159	54	–	54	9	166
	%	–	–	–	–			4.8	9.3	–	9.3		
3 2.00 – 3.99		1456	143	41	184	21	114	3,811	106	190	296	40	135
	%	27.4	49.6	12.4	29.7			71.6	36.8	57.6	47.9		
4 4.00 – 9.99		1666	113	262	375	56	149	792	149	36	185	24	130
	%	44.1	47.0	58.7	54.6			21.0	61.7	8.1	26.9		
5 10 & More		1697	130	327	457	53	116	251	52	3	55	5	91
	%	60.0	86.0	52.0	58.6			8.9	34.6	.5	7.1		
(All classes)		15,199	2,189	1,092	3,281	477	145	5,753	361	229	590	78	132
	%	37.3	53.7	56.6	54.6			14.1	8.9	13.8	10.4		

Table 3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Campost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1 Below– 1.00		24,418	2,286	305	2,592	126	49	–	–	–	–	–	–
	%	95.9	81.1	58.4	77.5								
2 1.00 – 1.99		3,099	527	–	527	38	72	–	–	–	–	–	–
	%	92.8	90.8	–	90.8								
3 2.00 – 3.99		5,163	289	305	594	38	64	–	–	–	–	–	–
	%	97.0	100.0	92.5	96.0								
4 4.00 – 9.99		3,638	203	428	631	47	75	–	–	–	–	–	–
	%	96.4	84.2	96.0	91.8								
5 10 & More		2,716	132	479	611	49	80	–	–	–	–	–	–
	%	96.0	87.6	76.2	78.4								
(All classes)		39,034	3,437	1,517	4,954	298	60	–	–	–	–	–	–
	%	95.8	84.2	78.7	82.5								

REGION–1
(COASTAL)

Table 3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt./ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	2,100	558	499	1,057	4	4	–	–	–	–	–	–
	%	8.2	19.8	95.5	31.6			–	–	–	–	–	–
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%	–	–	–	–			–	–	–	–	–	–
3	2.00 – 3.99	340	–	30	30	1	34	1,015	106	15	121	1	8
	%	6.4	–	9.0	4.8			19.1	36.8	4.5	19.6		
4	4.00 – 9.99	180	27	22	49	1	21	456	84	–	84	–	–
	%	4.8	11.2	4.8	7.1			12.1	34.7	–	12.2		
5	10 & More	227	55	3	58	–	–	208	49	–	49	–	–
	%	8.0	36.4	.5	7.4			7.3	32.7	–	6.3		
	(All classes)	2,847	640	553	1,193	6	5	1,679	239	15	254	1	4
	%	7.6	15.7	28.7	19.9			4.1	5.9	.8	4.2		

NOTE :-

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated area with different input is with respective area under the crop.

4) Bajri, Kharif Jowar & Cotton are not grown in this region hence table Nos. 4, 5 & 6 are not presented.

REGION–I
(COASTAL)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–7 *ESTIMATED IRRIGATED AREA UNDER RABI JOWAR COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	3,74,127	1,42,849	7,007	–	349	349
	%			2.6	–	100.0	.3
2	1.00 – 1.99	1,37,392	1,97,202	–	–	–	–
	%			–	–	–	–
3	2.00 – 3.99	1,19,241	8,38,245	2,093	–	205	205
	%			2.5	–	100.0	.1
4	4.00 – 9.99	94,458	5,75,847	–	–	–	–
	%			–	–	–	–
5	10 & More	31,428	5,83,424	–	–	–	–
	%			–	–	–	–
	(All classes)	7,56,646	18,37,568	9,100	–	554	554
	%			1.7	–	100.0	–

Table 7 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
	(All classes)	–	–	–	–	–	–	–	–	–	–	–	–
	%												

REGION–1
(COASTAL)

Table–7 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below– 1·00	7,007	–	349	349	35	100	–	–	–	–	–	–
	%	100·0		100·0	100·0								
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%	–		–	–								
3	2·00 – 3·99	2,093	–	205	205	10	49	–	–	–	–	–	–
	%	100·0		100·0	100·0								
4	4·00 – 9·99	–	–	–	–	–	–	–	–	–	–	–	–
	%	–		–	–								
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%	–		–	–								
	(All classes)	9,100	–	554	554	45	81	–	–	–	–	–	–
	%	100·0		100·0	100·0								

Table–7 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	7,007	–	349	349	7	20	–	–	–	–	–	–
	%	100·0	–	100·0	100·0								
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%	–	–	–	–								
3	2·00 – 3·99	2,093	–	205	205	2	10	–	–	–	–	–	–
	%	100·0	–	100·0	100·0								
4	4·00 – 9·99	–	–	–	–	–	–	–	–	–	–	–	–
	%	–	–	–	–								
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%	–	–	–	–								
	(All classes)	9,100	–	554	554	9	16	–	–	–	–	–	–
	%	100·0	–	100·0	100·0								

REGION–1
(COASTAL)

Table–7 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilograms	kg/ha
		45	46	47	48	49	50	51	52	53	54	55	56
	Below – 1.00 %	–	–	–	–	–	–	–	–	–	–	–	–
2	1.00 – 1.99 %	–	–	–	–	–	–	–	–	–	–	–	–
3	2.00 – 3.99 %	–	–	–	–	–	–	–	–	–	–	–	–
4	4.00 – 9.99 %	–	–	–	–	–	–	–	–	–	–	–	–
5	10 & More %	–	–	–	–	–	–	–	–	–	–	–	–
	(All classes) %	–	–	–	–	–	–	–	–	–	–	–	–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated area with different input is with respect to respective area under the crop.

4) Wheat is not grown in this area & hence table No. 8 is not presented.

REGION–1
(COASTAL)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT CHEMICAL FERTILIZERS IN IRRIGATED AREA

Table–9

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Irrigated Area under selected Crops	Ammonium Sulphate				Super Phosphate			
		Number	Area			No. of Holdings	S.E.	Area	S.E.	No. of Holdings	S.E. % S.E.	Area	S.E.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Below – 1·00	3,74,127	1,42,849	32,471	3,692	10,012	5,181	9·57	638	–	–	–	–
	%			11·9	3·3	30·8	51·7	25·9	66.7				
2	1·00 – 1·99	1,37,392	1,97,202	3,338	580	2,378	2,003	415	346	–	–	–	–
	%			3·5	·4	71·1	84·2	71·5	83·6				
3	2·00 – 3·99	1,19,241	3,38,245	7,416	823	3,195	2,453	335	197	–	–	–	–
	%			8·9	·4	63·3	76·8	40·7	58·8				
4	4·00 – 9·99	94,458	5,75,847	3,774	687	448	166	158	100	–	–	–	–
	%			5·4	·2	11·7	37·1	23·1	63·1				
5	10 & More	31,428	5,83,424	2,830	780	847	544	132	86	–	–	–	–
	%			23·1	·1	29·9	64·2	16·9	65·4				
	(All classes)	7,56,646	18,37,568	49,829	6,562	16,880	6,099	1,991	764	–	–	–	–
	%			9·3	·4	33·9	36·1	30·4	68·3				

Table–9 (Contd.)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Irrigated Area under selected Crops	Chemical Fertilizers							
						Urea				Other Chemical Fertilizers			
		Number	Area			No. of Holdings	S.E.	Area	S.E.	No. of Holdings	S.E.	Area	S.E.
1	2	3	4	5	6	15	16	17	18	19	20	21	22
1	Below – 1·00	3,74,127	1,42,849	32,471	3,692	17,387	2,414	2,615	1,349	740	–	–	–
	%			11·9	3·3	53.5	13·9	70·8	51·6	2·3	–	–	–
2	1·00 – 1·99	1,37,392	1,97,202	3,338	580	–	–	–	–	159	158	54	53
	%			3·5	·4	–	–	–	–	4·8	99·4	9·3	98·9
3	2·00 – 3·99	1,19,241	3,38,245	7,416	823	3,549	438	389	54	3,811	2,442	296	134
	%			8·9	·4	47·9	12·3	47·2	14,0	51·4	64·1	36·0	45·4
4	4·00 – 9·99	94,458	5,75,847	3,774	687	1,666	877	375	208	792	55	185	38
	%			5·4	·2	44·1	52·9	54·6	55·5	21·8	6·9	26·9	20·3
5	10 & More	31,428	5,83,424	2,830	780	1,697	797	457	165	251	–	55	–
	%			23·1	·1	60·0	47·0	58·6	36·2	8·9		7·1	–
	(All classes)	7,56,646	18,37,568	49,829	6,562	24,299	2,725	3,835	1,376	5,753	2,448	590	149
	%			9·3	·4	48·8	11·2	58·4	35·9	11·5	42·6	9·6	23·8

REGION–1
(COASTAL)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–9 A

ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT ORGANIC MANURES AND PESTICIDES IN IRRIGATED AREAS

Area in hectares

(Area in hectares)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Irrigated Area under selected Crops	No. of Holdings and Area benefitted by Organic Manures				Pesticides	
						Organic Manures				Pesticides	
						Farm yard Manure		Compost			
		Number	Area			No. of Holdings	Area	No. of Holdings	Area	No. of Holdings	Area
1	2	3	4	5	6	23	24	25	26	27	28
1	Below – 1·00	3,74,127	1,42,849	32,471	3,692	31,425	2,941	–	–	2,100	10,57
	%			11·9	3·3	96·8	79·7			6·5	28·6
2	1·00 – 1,99	1,37,392	1,97,202	3,338	580	3,099	527	–	–	–	–
	%			3·5	·4	92·8	90,8			–	–
3	2·00 – 3,99	1,19,241	3,38,249	7,416	823	7,256	799	–	–	1,355	151
	%			8·9	·4	97·8	97·0			18·3	18·3
4	4.00 – 9·99	94,458	5,75,847	3,774	687	3,638	631	–	–	636	132
	%			5·4	·2	96·4	91·8			16·9	19·2
5	10 and More	31,428	5,83,424	2,830	780	2,716	611	–	–	227	58
	%			23·1	·1	96·0	78·4			8·0	7·4
	(All classes)	7,56,646	18,37,568	49,829	6,562	48,134	5,508	–	–	4,318	1,398
	%			9·3	·4	96·9	83·9			8·7	21·3

Table–10 *ESTIMATED NUMBERS AND AREA OF HOLDINGS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES AND PESTICIDES IN UNIRRIGATED AREAS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Gross area under selected Crops	Chemical Fertilizers		Organic Manures		Pesticides	
		Number	Area			No. of Holdings benefited	Area Treated	No. of Holdings benefited	Area Treated	No. of Holdings benefited	Area Treated
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1.00	3,74,127	1,42,849	2,69,615	99,937	1,06,491	42,541	1,83,542	51,546	1,06,612	34,041
	%			98·8	89·2	39·5	42·6	68·1	51·6	39·5	34·1
2	1·00 – 1·99	1,37,392	1,97,202	94,953	75,516	54,952	35,597	61,141	33,721	44,022	36,932
	%			98·6	55·3	57·9	47·1	64·4	44·7	46·4	48·9
3	2·00 – 3·99	1,19,241	3,38,245	82,318	93,954	50,734	42,992	57,456	42,614	29,422	34,338
	%			98·2	40·6	61·6	45·8	69·8	45·4	35·7	36·5
4	4·00 – 9·99	94,458	5,75,847	68,959	1,02,499	27,477	26,373	37,722	30,055	15,421	29,749
	%			98·7	24·5	39·8	25·7	54·7	29·3	22·4	29·0
5	10 & More	31,428	5,83,424	11,718	35,815	7,188	9,369	8,849	12,474	4,544	14,042
	%			99·1	6·1	61·3	26·2	75·5	34·8	38·8	39·2
	(All classes)	7,56,646	18,37,568	5,27,563	4,07,720	2,46,842	1,56,872	3,48,710	1,70,410	2,00,021	1,49,102
	%			98,7	27·5	46·8	38·5	66·1	41·8	37·9	36·6

Table 10 (Contd.)

Sr. No.	Size Class of Holdings	No. of holdings growing one or more selected Crops & Gross unirrigated area		Chemical Fertilizers		Organic Manure		Pesticide	
		No. S.E.	Area S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.
1	2	3	4	5	6	7	8	9	10
1	Below– 1·00	28,365	10,143	14,783	5,227	24,981	7,835	12,942	2,803
	%	10·5	10·1	13·9	12·3	13·6	15·2	12·1	8·2
2	1·00 – 1·99	5,606	5,540	5,853	4,348	3,597	3,228	3,994	4,054
	%	5·9	7·3	10·7	12·2	5·9	9·6	9·1	11·0
3	2·00 – 3·99	5,609	8,409	3,841	7,373	3,509	2,310	3,045	5,094
	%	6·8	9·0	7·6	17·2	6·1	5·4	10·3	14·8
4	4·00 – 9·99	15,936	15,073	2,549	2,120	3,251	2,142	2,099	4,490
	%	23·1	14·7	9·3	8·0	8·6	7·1	13·6	15·1
5	10 & More	1,861	4,160	1,881	2,122	1,825	2,638	620	3,074
	%	15·9	11·6	26·2	22·7	20·6	21·1	13·6	21·9
	(All classes)	33,539	21,185	16,661	10,468	25,753	9,417	14,054	8,936
	%	6·4	5·2	6·7	6·7	7·4	5·5	7·0	6·0

REGION–1
(COASTAL)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 11 *ESTIMATED UNIRRIGATED AREA UNDER PADDY COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below– 1·00	3,74,127	1,42,849	2,69,615	36,592	63,347	99,939
	%			98·8	36·6	63·4	89·2
2	1·00 – 1·99	1,37,392	1,97,202	94,953	29,443	46,077	75,520
	%			98·6	39·0	61·0	55·3
3	2·00 – 3·99	1,19,241	3,38,245	82,318	27,347	66,608	93,955
	%			98·2	29·1	70·9	40·6
4	4·00 – 9·99	94,458	5,75,847	68,959	19,571	82,930	1,02,501
	%			98·7	19·1	80·9	24·5
5	10 & More	31,428	5,83,424	11,718	10,610	25,207	35,817
	%			99·1	29·6	70·4	6·1
	(All classes)	7,56,646	18,37,568	5,27,563	1,23,563	2,84,168	4,07,732
	%			98·7	30·3	69·7	27·5

Table 11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below– 1·00	42,581	7,995	7,045	15,040	1,465	97	–	–	–	–	–	–
	%	15·8	21·8	11·1	15·0								
2	1·00 – 1·99	25,487	4,677	6,701	11,378	945	83	2,017	59	338	397	27	68
	%	26·8	15·9	14·5	15·1			2·1	·2	·7	·5		
3	2·00 – 3·99	26,097	7,859	7,864	15,723	1,232	78	952	–	95	95	10	105
	%	31·7	28·7	11·8	16·7			1·2		·1	·1		
4	4·00 – 9·99	12,357	3,758	4,286	8,044	726	90	–	–	–	–	–	–
	%	17·9	19·2	5·2	7·8								
5	10 & More	3,435	3,171	1,615	4,786	432	90	140	57	85	142	21	148
	%	29·3	29·9	6·4	13·4			1·2	·5	·3	·4		
	(All classes)	1,09,957	27,460	27,511	54,971	4,800	87	3,109	116	518	634	58	92
	%	20·8	22·2	9·7	13·5			·6	·1	·2	·2		

REGION–1
(COASTAL)

Table 11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Others	Total (22+23)	Quantity Applied Total M.T.	Kg/ha 25/24	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Others	Total (28+29)	Quantity Applied Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	44,487	16,327	3,269	19,596	3,018	154	63,375	13,087	8,428	21,515	3,231	150
	%	16·5	44·6	5·2	19·6			23·5	35·8	13·3	21·5		
2	1·00 – 3·99	26,567	13,895	6,403	20,298	2,542	125	16,909	3,215	6,272	9,487	1,314	138
	%	28·0	47·2	13·9	26·9			17·8	10·9	13·6	12·6		
3	2·00 – 3·99	26,855	15,947	12,220	28,167	2,256	80	20,602	4,907	10,883	15,790	1,715	109
	%	32·6	58·3	18·3	30·0			25·0	17·9	16·3	16·8		
4	4·00 – 9·99	16,542	5,554	7,630	13,184	862	65	8,393	2,955	9,134	12,089	1,121	93
	%	24·0	28·4	9·2	12·9			12·2	15·1	11·0	11·8		
5	10 & More	2,975	2,126	1,825	3,952	260	66	4,356	3,789	2,320	6,109	535	88
	%	25·4	20·0	7·2	11·0			37·2	35·7	9·2	17·1		
	(All classes)	1,17,426	53,849	31,347	85,196	8,938	105	1,13,635	27,953	37,038	64,991	7,916	122
	%	22·3	43·6	11·0	20·9			21·5	22·6	13·0	15·9		

Table 11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Campost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Others	Total (34+35)	Quantity Applied Total 00 M.T	qt/ha 37/36	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Others	Total (40+41)	Quantity Applied Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	1,82,695	17,703	33,599	51,302	2,952	58	11,671	1,279	2,057	3,336	1,535	460
	%	67·8	48·4	53·0	51·3			4·3	3·5	3·2	3·3		
2	1·00 – 1·99	60,181	10,788	22,824	33,613	1,323	39	2,940	488	926	1,414	54	38
	%	63·4	36·6	49·5	44·5			3·1	1·7	2·0	1·9		
3	2·00 – 6·99	57,456	12,096	30,518	42,615	1,790	42	4,102	3,267	702	3,969	565	142
	%	69·8	44·2	45·8	45·4			5·0	11·9	1·1	4·2		
4	4·00 – 9·99	36,141	7,027	21,789	28,817	1,396	48	3,161	166	1,905	2,071	123	59
	%	52·4	35·9	26·3	28·1			4·6	·8	2·3	2·0		
5	10 & More	8,550	4,452	7,337	11,789	584	50	533	968	486	1,454	617	424
	%	73·0	42·0	29·1	32·9			4·5	9·1	1·9	4·1		
	(All classes)	3,45,023	52,067	1,16,068	1,68,135	8,045	48	22,407	6,169	6,077	12,246	2,894	236
	%	65·4	42·1	40·8	41·2			4·2	5·0	2·1	3·0		

REGION–1
(COASTAL)

Table–11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1·00	68,444	13,921	12,828	26,749	127	5	45,303	7,242	1,436	8,678	90	10
	%	25·4	38·0	20·3	26·8			16·8	19·8	2·3	8·7		
2	1·00 – 1·99	32,458	13,645	13,262	26,907	94	3	14,628	5,297	4,760	10,057	40	4
	%	34·2	46·3	28·8	35·6			15·4	18·0	10·3	13·3		
3	2·00 – 3·99	22,251	9,177	17,217	26,395	102	4	12,101	3,334	4,763	8,097	14	2
	%	27·0	33·6	25·8	28·1			14·7	12·2	7·2	8·6		
4	4·00 – 9·99	14,670	8,443	17,731	26,174	80	3	5,660	1,604	2,784	4·388	9	2
	%	21·3	43·1	21·4	25·5			8·2	8·2	3·4	4·3		
5	10 & More	3,070	2,092	8,911	11,002	21	2	2,662	2,736	661	3,397	3	1
	%	26·2	19·7	35·3	30·7			22·7	25·8	2·6	9·5		
	(All classes)	1,40,893	47,278	69,949	1,17,227	424	4	80,354	20,213	14,404	34,617	156	5
	%	26·7	38·3	24·6	28·8			15·2	16·4	5·1	8·5		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total treated area with different input is with respect to respective area under the crop.

4) In this region Bajri, Kharif Jowar, Cotton, Rabi Jowar, and wheat are not grown hence table No. 12, 13, 14, 15 & 16 are not presented.

REGION I
(COASTAL)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–17 *ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT CHEMICAL FERTILIZERS IN UNIRRIGATED AREAS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Number and Area benefitted by Chemical Fertilizers									
						Ammonium Sulphate				Super Phosphate			
		Number	Area	No. of Holdings Growing one or more selected Crops	Unirrigated Area under selected Crops	No. of Holdings	S.E. % S.E	Area	S.E. % S.E.	No. of Holdings	S.E. % S.E	Area	S.E. % S.E
		3	4	5	6	7	8	9	10	11	12	13	14
1	Below – 1·00	3,74,127	1,42,849	2,69,615	99,937	42,581	8,812	15,040	2,813	–	–	–	–
	%			98·8	89·2	15·8	20·7	15·0	18·7				
2	1·00 – 1·99	1,37,392	1,97,202	94,953	75,516	25,487	5,048	11,378	2,132	2,017	952	397	136
	%			98·6	55·3	26·8	19·8	15·1	18·7	2·1	47·2	·5	34·2
3	2·00 – 3·99	1,19,241	3,38,245	82,318	93,954	26,097	2,862	15,723	3,318	952	943	95	94
	%			98·2	40·6	31·7	11·0	16·7	21·1	1·2	99·1	·1	99·1
4	4.00 – 9·99	94,458	5,75,847	68,959	1,02,499	12,357	3,054	8,044	1,850	–	–	–	–
	%			98·7	24·5	17·9	24·7	7·8	23·0				
5	10 & More	31,428	5,83,424	11,718	35,815	3,435	992	4,785	1,164	140	–	142	–
	%			99·1	6·1	29·3	28·9	13·4	24·3	1·2		·4	
	(All classes)	7,56,646	18,37,568	5,27,563	4,07,720	1,09,957	11,029	54,971	5,315	3,109	1,340	634	165
	%			98·7	27·5	20·8	10·0	13·5	9·7	·6	43·1	0·2	26·1

Table –17 (Contd)

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Chemical Fertilizers									
						Urea				Other Chemical Fertilizers			
		Number	Area	No. of Holdings Growing one or more selected Crops	Unirrigated Area under selected Crops	No. of Holdings	S.E.	Area	S.E.	No. of Holdings	S.E.	Area	S.E.
1	2	3	4	5	6	15	16	17	18	19	20	21	22
1	Below – 1·00	3,74,127	1,42,849	2,69,615	99,937	44,487	5,034	19,596	2,711	63,375	12,899	21,514	3,295
	%			98·8	89·2	16·5	11·3	19·6	13·8	23·5	20·4	21·5	15·3
2	1·00 – 1·99	1,37,392	1,97,202	94,953	75,516	26,567	2,840	20,296	2,938	16,909	3,640	9,485	2,110
	%			98·6	55·3	28·0	10·7	26·9	14·5	17·8	15·6	12·6	22·2
3	2·00 – 3·99	1,19,241	3,38,245	82,318	93,954	26,855	3,544	28,167	6,079	20,602	4,087	15,790	3,215
	%			98·2	40·6	32·6	13·2	30·0	21·6	25·0	19·8	16·8	20·4
4	4·00 – 9·99	94,458	5,75,847	68,959	1,02,499	16,542	2,527	13,183	1,868	8,393	1,369	12,089	947
	%			98·7	24·5	24·0	15·3	12·9	14·2	12·2	16·3	11·8	7·8
5	10 & More	31,428	5,83,424	11,718	35,815	2,975	1,240	3,952	1,435	4,356	1,502	6,108	1,618
	%			99·1	6·1	25·4	41·7	11·0	36·3	37·2	34·5	17·1	26·5
	(All classes)	7,56,646	18,37,568	5,27,563	4,07,720	1,17,426	7,341	85,194	7,648	1,13,635	13,936	64,991	5,400
	%			98·7	27·5	22·3	6·3	20·9	9·0	21·5	12·3	15·9	8·3

REGION I
(COASTAL)

AGRICULTURAL CENSUS 1976 - 77 - MAHARASHTRA STATE

Table–17 A *ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT ORGANIC MANURES AND PESTICIDES IN UNIRRIGATED AREAS*

(Area in hectares)

Sr No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Unirrigated Area under selected Crops	No. of Holdings and Area benefitted by Organic Manures					
						Organic Manures				Pesticides	
						Farm yard Manure		Compost		Pesticides	
		Number	Area			No. of Holdings	Area	No. of Holdings	Area	No. of Holdings	Area
1	2	3	4	5	6	23	24	25	26	27	28
1	Below – 1·00	3,74,127	1,42,849	2,69,615	99,937	1,82,695	51,301	11,671	3,336	1,06,612	34,041
	%			98·8	89·2	67·8	51·3	4·3	3·3	39·5	34·1
2	1·00 – 1·99	1,37,392	1,97,202	94,953	75,516	60,181	33,613	2,940	1,414	44,022	36,932
	%			98·6	55·3	63·4	44·5	3·1	1·9	46·4	48·9
3	2·00 – 3·99	1,18,241	3,38,245	82,318	93,954	57,456	42,614	4,102	3,969	29,422	34,338
	%			98·2	40·6	69·8	45·4	5·0	4·2	35·7	36·5
4	4·00 – 9·99	94,458	5,75,847	68,959	1,02,499	36,141	28,814	3,161	2,070	15,421	29,749
	%			98·7	24·5	52·4	28·1	4·6	2·0	22·4	29·0
5	10 & More	31,428	5,83,424	11,718	35,815	8,550	11,790	533	1,454	4,544	14,042
	%			99·1	6·1	73·0	32·9	4·5	4·1	38·8	39·2
	(All classes)	7,56,646	18,37,568	5,27,563	4,07,720	3,45,023	1,68,132	22,407	12,244	2,00,021	1,49,102
	%			98·7	27·5	65·4	41·2	4·2	3·0	37·9	36·6

REGION I
(COASTAL)

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table–18 *ESTIMATED NUMBER OF CATTLE REPORTED BY OPERATING HOUSEHOLD AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		Males over 3 years				Females over 3 years			
		Number	Area	No. of Holdings reporting males	Working	Others	Total Males (6+7)	No. of Holdings reporting females	In Milk	Others	Total Females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	3,74,127	1,42,849	95,586	2,09,920	16,402	2,26,322	91,257	1,07,141	73,616	1,80,757
2	1·00 – 1·99	1,37,392	1,97,202	55,569	1,21,974	15,208	1,37,182	42,109	51,069	24,824	75,893
3	2·00 – 3·99	1,19,241	3,38,245	53,148	1,20,463	12,463	1,32,926	34,572	41,123	16,696	57,819
4	4·00 – 9·99	94,458	5,75,847	54,781	1,26,320	3,846	1,30,166	41,358	54,262	8,309	62,571
5	10 & More	31,428	5,83,424	9,554	35,410	1,670	37,080	8,902	17,517	8,223	15,740
	(All classes)	7,56,646	18,37,568	2,68,638	6,14,087	49,589	6,63,676	2,18,198	2,71,112	1,31,668	4,02,780

Table–18 (Contd.)

Sr. No.	Size Class of Holdings	Youngstock upto 3 years		Total	Total no. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock	Cols. (8+12+14)	
		13	14	15	16
1	Below – 1·00	57,749	94,049	5,01,128	1,43,007
2	1·00 – 1·99	21,380	35,049	2,48,124	58,856
3	2·00 – 3·99	21,264	32,487	2,23,232	62,268
4	4·00 – 9·99	24,227	49,673	2,42,410	57,910
5	10 & More	6,284	20,953	83,773	10,342
	(All classes)	1,30,904	2,32,211	12,98,667	3,32,383

REGION I
(COASTAL)

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table–19 *ESTIMATED NUMBER OF BUFFALOES REPORTED BY OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings reporting males	Males over 3 years			No. of Holdings reporting females	Females over 3 years		
		Number	Area		Working	Others	Total Males (6+7)		In Milk	Others	Total Females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	3,74,127	1,42,849	41,967	77,340	20,457	97,797	23,714	27,998	7,338	35,336
2	1·00 – 1·99	1,37,392	1,97,202	15,359	31,570	1,668	33,238	7,566	7,263	3,513	10,776
3	2·00 – 3·99	1,19,241	3,38,245	14,989	29,758	611	30,369	11,445	17,270	2,451	19,721
4	4·00 – 9·99	94,458	5,75,847	8,992	19,113	1,449	20,562	11,018	13,257	2,963	16,220
5	10 & More	31,428	5,83,424	2,349	5,502	900	6,402	4,616	7,867	5,173	13,040
	(All classes)	7,56,646	18,37,568	83,656	1,63,283	25,085	1,88,368	59,369	73,655	21,438	95,093

Table–19 (Contd.)

Sr. No.	Size Class of Holdings	Youngstock upto 3 years		Total Cols. (8+12+14)	Total no. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1·00	19,456	30,822	1,63,955	63,062
2	1·00 – 1·99	4,273	5,593	49,607	19,793
3	2·00 – 3·99	4,824	7,843	57,933	23,514
4	4·00 – 9·99	5,434	6,615	43,397	17,067
5	10 & More	1,426	5,012	24,454	5,415
	(All classes)	35,413	55,885	3,39,346	1,28,851

REGION I
(COASTAL)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED NUMBER OF CATTLE PER 100 HECTARES OF AREA OPERATED BY HOUSEHOLDS AS ON 15TH APRIL 1977

Table–20

Sr. No.	Size Class of Holdings	Total Holdings		No. of cattle per 100 hectares of area operated by Households							
				No. of Holdings Reporting Males	Males over 3 years			No. of Holdings Reporting Females	Females over 3 years		
		Number	Area		Working	Others	Total Col. (6+7)		In milk	Others	Total Col. (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	3,74,127	1,42,849	95,586	192	15	207	91,257	98	67	165
2	1·00 – 1·99	1,37,392	1,97,202	55,569	90	11	101	42,109	38	18	56
3	2·00 – 3·99	1,19,241	3,38,245	53,148	54	6	59	34,572	18	7	26
4	4·00 – 9·99	94,458	5,75,847	54,781	33	1	34	41,358	14	2	16
5	10 & More	31,428	5,83,424	9,554	7	–	7	8,902	3	2	5
	(All classes)	7,56,646	18,37,568	2,68,638	50	4	54	2,18,198	22	11	33

Table–20 (Contd.)

Sr. No.	Size Class of Holdings	No. of cattle per 100 hectares of area operated by households			
		Youngstock upto 3 years		Total Cols. (8+12+14)	Total No. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1·00	57,749	86	458	1,43,007
2	1·00 – 1·99	21,380	26	183	58,856
3	2·00 – 3·99	21,264	14	99	62,268
4	4·00 – 9·99	24,227	13	64	57,910
5	10 & More	6,284	4	17	10,342
	(All classes)	1,30,904	19	107	3,32,383

REGION I
(COASTAL)

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table –21

ESTIMATED NUMBER OF BUFFALOES PER 100 HECTARES OF AREA OPERATED BY HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	No. of Buffaloes per 100 hectares of area operated by Households									
		Total Holdings			Males over 3 years				Females over 3 years		
		Number	Area	No. of Holdings reporting males	Working	Others	Total males Col. (6+7)	No. of Holdings reporting females	In Milk	Others	Total females Col. (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	3,74,127	1,42,849	41,967	71	19	89	23,714	26	7	32
2	1·00 – 1·99	1,37,392	1,97,202	15,359	23	1	25	7,566	5	3	8
3	2·00 – 3·99	1,19,241	3,38,245	14,989	13	–	14	12,445	8	1	9
4	4·00 – 9·99	94,458	5,75,847	8,992	5	–	5	11,028	3	1	4
5	10 & More	31,428	5,93,424	2,349	1	–	1	4,616	2	1	3
	(All classes)	7,56,646	18,37,568	83,656	13	2	15	59,369	6	2	8

Table–21 (Contd.)

Sr. No.	Size Class of Holdings	No. of Buffaloes per 100 hectares of area operated by Households			
		Youngstock upto 3 years		Total of	
		Number of Holdings reporting youngstock	Total youngstock	Cols. (8+12+14)	Holdings reporting one or more categories
		13	14	15	16
1	Below – 1·00	19,456	28	150	63,062
2	1·00 – 1·99	4,273	4	37	19,793
3	2·00 – 3·99	4,824	3	26	23,514
4	4·00 – 9·99	5,434	2	11	17,067
5	10 & More	1,426	1	5	5,415
	(All classes)	35,413	5	28	1,28,851

Table–22 *ESTIMATED NUMBER OF CATTLE PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		No. of Cattle per 100 Operating Households							
				Males over 3 years				Females over 3 years			
		Number	Area	No. of Holdings reporting males	Working	Others	Total males (6+7)	No. of Holdings reporting females	In Milk	Others	Total females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	3,74,127	1,41,983	95,586	79	6	84	91,257	40	28	68
2	1·00 – 1·99	1,37,392	1,96,700	55,569	131	16	147	42,109	55	27	82
3	2·00 – 3·99	1,19,241	3,39,969	53,148	150	16	166	34,512	51	21	72
4	4·00 – 9·99	94,458	5,71,589	54,781	190	6	196	41,358	82	13	94
5	10 & More	31,428	5,59,203	9,554	310	15	325	8,902	154	72	226
	(All classes)	7,56,646	18,37,568	2,68,638	123	10	133	2,18,198	54	26	81

Table–22 (Contd.)

Sr. No.	Size Class of Holdings	No. of Cattle per 100 Operating Households				
		Youngstock upto 3 years		Total Cols. (8+12+14)	Total No. of Holdings reporting one or more categories	
		Number of Holdings reporting youngstock	Total youngstock			
		13	14	15	16	
1	Below – 1·00	57,749	35	189	1,43,007	
2	1·00 – 1·99	21,380	38	267	58,856	
3	2·00 – 3·99	21,264	41	279	62,268	
4	4·00 – 9·99	24,227	75	365	57,910	
5	10 & More	6,284	184	734	10,342	
	(All classes)	1,30,904	46	260	3,32,383	

REGION I
(COASTAL)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–23 *ESTIMATED NUMBER OF BUFFALOES PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		Buffaloes per 100 Operating Households							
				Males over 3 years				Females over 3 years			
		Number	Area	No. of Holdings reporting males	Working	Others	Total males (6+7)	No. of Holdings reporting females	In Milk	Others	Total females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	3,74,127	1,42,849	41,967	29	8	37	23,714	10	3	13
2	1·00 – 1·99	1,37,392	1,97,202	15,359	34	2	36	7,566	8	4	12
3	2·00 – 3·99	1,19,241	3,38,245	14,989	37	1	38	12,445	22	3	25
4	4·00 – 9·99	94,458	5,75,847	8,992	29	2	31	11,028	20	4	24
5	10 & More	31,428	5,83,424	2,349	48	8	56	4,616	69	45	114
	(All classes)	7,56,646	18,37,568	83,656	33	5	38	59,369	15	4	19

Table–23 (Contd·)

Sr. No.	Size Class of Holdings	No. of Buffaloes per 100 Operating Households			
		Youngstock upto 3 years		Total (Cols. 8+12+14)	Total No. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1·00	19,456	12	62	63,062
2	1·00 – 1·99	4,273	6	53	19,793
3	2·00 – 3·99	4,824	10	72	23,514
4	4·00 – 9·99	5,434	10	65	17,067
5	10 & More	1,426	44	214	5,415
	(All classes)	35,413	11	68	1,28,851

AGRICULTURAL CENSUS 1976-77 - MAHARASHTRA STATE

REGION-1
(COASTAL)
Table 24

ESTIMATED NUMBER OF LIVESTOCK (OTHER THAN CATTLE AND BUFFALOES) PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings		Number per 100 Operating Households													
				Sheep			Goats			Horses and Ponies	Mules	Donkeys or Asses	Pigs			Camels	Other Livestock
		Number	Area	Under one year	One year & above	Total	Under one year	One year & above	Total				below 6 months	above 6 months	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Below - 1·00	3,74,127	1,42,849	1	5	6	–	4	4	–	–	–	–	–	–	–	–
2	1·00 - 1·99	1,37,392	1,97,202	2	4	6	13	28	41	–	–	–	–	6	6	–	–
3	2·00 - 3·99	1,19,241	3,38,245	2	3	4	8	6	14	–	–	–	1	–	1	–	–
4	4·00 - 9·99	94,458	5,75,847	–	5	5	10	10	20	–	–	–	–	–	–	–	–
5	10 & More	31,428	5,83,424	11	38	49	45	35	80	–	–	–	–	–	–	–	–
	(All Classes)	7,56,646	18,37,568	1	5	6	6	10	16	–	–	–	–	1	1	–	–

REGION–1

(COASTAL)

Table 25

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED NUMBER OF POULTRY PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977

Sr No.	Size Class of Holdings	Total Holdings		Number per 100 Operating Households												
				Cocks			Hens			Chickens below 5 months			Ducks			Total Poultry
		Number	Area	Deshi	Improved	Total (Col. 5+6)	Deshi	Improved	Total (Col. 8+9)	Deshi	Improved	Total (Col. 11+12)	Deshi	Improved	Total (Col. 14+15)	Col. 7+10+13+16
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Below – 1·00	3,74,127	1,42,849	–	–	42	–	–	218	–	–	93	–	–	–	353
2	1·00 – 1·99	1,37,392	1,97,202	–	–	63	–	–	283	–	–	125	–	–	–	470
3	2·00 – 3·99	1,19,241	3,38,245	–	–	62	–	–	244	–	–	160	–	–	2	468
4	4·00 – 9·99	94,458	5,75,847	–	–	57	–	–	234	–	–	237	–	–	–	528
5	10 & More	31,428	5,83,424	–	–	92	–	–	350	–	–	454	–	–	–	895
(All Classes)		7,56,646	18,37,568	–	–	52	–	–	239	–	–	138	–	–	1	429

REGION–1

(COSTAL)

Table–26

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED NUMBER OF AGRICULTURAL MACHINERY OWNED INDIVIDUALLY PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	Ploughs Wooden	Ploughs Iron	Total Col. 5+6	Earth Leveller or Scrapers	Harrows & Hoes	Hand Tractors Power Tillers	Seed Drills	Maize Shellers	Sprayers	Dusters	Harvesters	Chaff Cutters	Threshers
		Number of Agricultural Machinery Owned Individually per 100 Operating Households														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Below 1	3,74,127	1,42,849	69	–	69	2	24	–	–	–	–	–	–	–	–
2	1·00 – 1·99	1,37,392	1,97,202	101	–	101	3	43	–	–	–	–	–	5	–	–
3	2·00 – 3·99	1,19,241	3,38,245	109	1	110	3	47	–	–	–	–	–	–	–	–
4	4·00 – 9·99	94,458	5,75,847	177	–	177	1	83	–	–	–	–	–	4	–	–
5	10 & More	31,428	5,83,424	235	2	237	8	50	–	–	–	–	–	–	–	–
	(All Classes)	7,56,646	18,27,568	100	–	100	2	40	–	–	–	–	–	1	–	–

Table 26 (Contd.)

Sr. No.	Size Class of Holdings	Pumps Electric	Pumps Diesel	Pumps Others	Pumps Total Col. 16+19+20	Bullock Carts	Cane Crushers	Oil Crusher	Persian wheel or Rahat	Tractors less than 10 H.P.	Tractors 10 to 14 H.P.	Tractors 14 to 19 H.P.	Tractors more than 20 H.P.	Tractors H.P. not known	Tractors Total	Other Machinery
		Number of Agricultural Machinery owned Individually per 100 operating Households														
1	2	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Below 1·00	–	–	–	–	–	–	4	–	–	–	–	–	–	–	361
2	1·00 – 1·99	–	–	–	–	–	–	12	–	–	–	–	–	–	–	257
3	2·00 – 3·99	–	–	–	–	–	–	14	–	–	–	–	–	–	–	387
4	4·00 – 9·99	–	–	–	–	–	–	8	–	–	–	–	–	–	–	424
5	10 & More	–	–	1	1	3	4	33	–	–	–	–	–	–	–	652
	(All Classes)	–	–	–	–	–	–	8	–	–	–	–	–	–	–	363

REGION–1
(COASTAL)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 27

ESTIMATED NUMBER OF AGRICULTURAL MACHINERY OWNED INDIVIDUALLY PER 100 HECTARES OF AREA OPERATED BY HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	Ploughs Wooden	Ploughs Iron	Number of Agricultural Machinery Owned Individually per 100 hectares of Area Operated by Households: Total Col. 5 + 6	Earth Leveller or Scrapers	Harrows & Hoes	Hand Tractors Power Tillers	Seed Drills	Maize Shellers	Sprayers	Dusters	Harvesters	Chaff Cutters	Threshers
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Below – 1·00	3,74,127	1,42,849	168	–	168	4	58	–	–	–	1	–	–	–	–
2	1·00 – 1·99	1,37,392	1,97,202	72	–	72	2	30	–	–	–	–	–	4	–	–
3	2·00 – 3·99	1,19,241	3,38,245	39	–	40	1	17	–	–	–	–	–	–	–	–
4	4·00 – 9·99	94,458	5,75,847	29	–	30	–	14	–	–	–	–	–	1	–	–
5	10 & More	31·428	5,83,424	14	–	14	–	3	–	–	–	–	–	–	–	–
	(All classes)	7,56,646	18,37,568	47	–	47	1	19	–	–	–	–	–	1	–	–

Table 27 (Contd·)

Sr. No.	Size Class of Holdings	Pumps: Electric	Pumps: Diesel	Pumps: Others	Pumps: Total Col. 18 + 19 + 20	Bullock Carts	Cane Crushers	Oil Crushers	Persian wheel or Rahat	Tractors with H.P.: less than 10	10 to 14	14 to 19	20 & above	H.P. not available	Total	Other Machinery
		18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00	–	–	–	–	9	–	–	–	–	–	–	–	–	–	882
2	1·00 – 1·99	–	–	–	–	9	–	–	–	–	–	–	–	–	–	182
3	2·00 – 3·99	–	–	–	–	5	–	–	–	–	–	–	–	–	–	140
4	4·00 – 9·99	–	–	–	–	1	–	–	–	–	–	–	–	–	–	71
5	10 & More	–	–	–	–	2	–	–	–	–	–	–	–	–	–	39
	(All classes)	–	–	–		4	–	–	–	–	–	–	–	–	–	171

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 1 ESTIMATED AREA CROPPED AND MORE THAN ONCE IN IRRIGATED AREAS

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Irrigated Area							
				Cropped once	Cropped twice		Cropped more than twice			Net Irrigated (5 to 10)	Gross Irrigated
		Number	Area		One crop Irrigated	Two crops Irrigated	One crop Irrigated	Two crops Irrigated	More than two crops Irrigated		
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	5,82,375	2,56,886	53,304	28,714	15,828	339	–	–	98,183	1,14,008
	%			54·2	29·2	16·1	·3			34·8	116·1
2	1·00 – 1·99	3,42,283	4,99,589	60,738	15,585	18,764	294	84	159	95,622	1,14,787
	%			63·5	16·3	19·6	·3	–	·1	25·1	120·0
3	2·00 – 3·99	3,73,493	10,66,706	1,31,406	18,083	28,719	369	160	202	1,78,937	2,08,219
	%			73·4	10·1	16·0	·2	–	·1	23·0	116·6
4	4·00 – 9·99	3,40,005	20,81,653	1,70,304	21,452	49,882	501	84	2,949	2,45,170	3,01,034
	%			69·4	8·7	20·3	·2	–	1·2	17·6	122·7
5	10 & More	1,15,521	18,39,203	1,44,122	16,721	20,861	1,671	184	833	1,84,391	2,07,100
	%			78·1	9·0	11·3	·9	·1	·4	16·5	112·3
	(All classes)	17,53,677	57,44,038	5,59,876	1,00,555	1,34,054	3,174	512	4,143	8,02,303	9,45,147
	%			69·7	12·5	16·7	·4	–	·5	20·3	117·8

Table–1 A ESTIMATED AREA CROPPED ONCE AND MORE THAN ONCE IN UNIRRIGATED AREAS AND AREA AFFECTED BY WATER LOGGING AND SALINITY

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Unirrigated Area				Number of Holdings and Area affected by					
				Cropped once	Cropped more than once	Net Unirrigated (5+6)	Gross Unirrigated	Water logging				Salinity	
								No. of Holdings	Area affected		Total of (10+11)	No. of Holdings	Area affected
		Number	Area						with drainage	without drainage			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Below –1·00	5,82,375	2,56,886	1,72,779	11,164	1,83,942	2,24,497	11,396	924	2,835	3,779	7,876	1,597
	%			93·9	6·0	65·2	122·0	1·9	·3	1·2	1·6	1·3	·6
2	1·00 – 1·99	3,42,283	4,99,589	2,75,347	8,920	2,84,266	3,09,440	9,301	2,497	6,235	8,731	3,169	248
	%			96·8	3·1	74·8	108·8	3·1	·5	1·4	1·9	1·0	–
3	2·00 – 3·99	3,73,493	10,66,706	5,74,106	23,037	5,97,141	6,39,157	12,111	3,495	17,998	21,492	2,387	2,633
	%			96·1	3·8	76·9	107·0	3·6	·3	1·9	2·2	·7	·2
4	4·00 – 9·99	3,40,005	20,81,653	11,00,055	44,938	11,44,992	12,12,465	13,440	11,114	40,482	51,596	539	2,404
	%			96·0	3·9	82·3	105·8	4·5	·6	2·2	2·8	·2	·1
5	10 & More	1,15,521	18,39,203	9,02,533	29,217	9,31,748	9,81,211	9,014	25,921	52,627	78,547	1,863	4,037
	%			96·8	3·1	83·4	105·3	8·7	1·6	3·3	4·9	1·8	·2
	(All classes)	17,53,677	57,44,038	30,24,820	1,17,275	31,42,089	33,66,769	55,262	43,950	1,20,196	1,64,146	15,834	10,919
	%			96·2	3·7	79·6	107·1	3·4	·8	2·4	3·2	1·0	·2

REGION–2
(INLAND WESTERN)
Table–1 B

ESTIMATES OF NET & GROSS AREA, AREA WATER LOGGED & AFFECTED BY SALINITY, ALONG WITH STANDARD ERROR.

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	Net Irrigated Area	S.E.	Gross Irrigated Area	S.E.	Net Unirrigated Area	S.E.	Gross Unirrigated Area	S.E.
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	5,82,375	2,56,886	98,183	33,882	1,14,008	34,944	1,83,942	18,378	2,24,497	35,350
	%				34·5		30·6		9·9		15·7
2	1·00 – 1·99	3,42,283	4,99,589	95,622	11,378	1,14,787	13,845	2,84,266	21,293	3,09,440	23,716
	%				11·9		12·0		7·4		7·6
3	2·00 – 3·99	3,73,493	10,66,706	1,78,937	20,119	2,08,219	22,513	5,97,141	34,938	6,39,157	36,322
	%				11·2		10·8		5,8		5·6
4	4·00 – 9·99	3,40,005	20,81,653	2,45,170	26,008	3,01,034	34,940	11,44,992	66,660	12,12,465	69,156
	%				10·6		11·6		5·8		5·7
5	10 & More	1,15,521	18,39,203	1,84,391	20,665	2,07,100	22,721	9,31,748	66,308	9,81,211	70,250
	%				11·2		10·9		7·1		7·1
	All classes)	17,53,677	57,44,038	8,02,303	52,780	9,45,147	60,470	31,42,089	1,04,173	33,66,769	1,13,353
	%				6·5		6·4		3·3		3·3

Table–2

ESTIMATED NUMBER AND AREA OF HOLDINGS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES AND PESTICIDES IN IRRIGATED AREAS

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	No. of Holdings Growing one or more selected Crops	Gross area under one or more selected Crops	Chemical Fertilizers No. of Holdings benefited	Chemical Fertilizers Area Treated	Organic Manures No. of Holdings benefited	Organic Manures Area Treated	Pesticides No. of Holdings benefited	Pesticides Area Treated
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1.00	5,82,375	2,56,886	1,16,315	46,970	77,733	30,658	54,371	15,905	17,946	5,441
	%			19.5	19.9	66.8	65.3	46.7	33.9	15.4	11.6
2	1·00 – 1·99	3,42,283	4,99,589	1,08,278	69,021	80,731	44,557	49,843	22,957	12,935	7,826
	%			35.4	15.4	74.6	64.6	46.0	33.3	11.9	11.3
3	2·00 – 3·99	3,73,493	10,66,706	1,37,815	1,24,263	94,808	63,336	63,133	47,847	15,651	9,471
	%			40.8	12·9	68·8	51·0	45·8	38·5	11·4	7·6
4	4·00 – 9·99	3,40,005	20,81,653	1,40,654	1,96,183	84,929	96,737	77,656	80,831	15,803	15,026
	%			46.0	10.7	60·4	49·3	55·2	41·2	11·2	7·7
5	10 & Mroe	1,15,521	18,39,203	58,560	1,48,868	35,135	64,264	28,238	60,358	12,910	27,080
	%			55·8	9·3	60.0	43.2	48·2	40·5	22·0	18·2
	(All classes)	17,53,677	57,44,038	5,61,622	5,85,306	3,73,336	2,99,551	2,73,241	2,27,898	75,245	64,843
	%			34·0	11·5	66·5	51·2	48·7	38·9	13.4	11·1

REGION–2 *ESTIMATED STANDARD ERRORS OF THE ESTIMATES OF HOLDINGS AND AREA GROWING ONE OR MORE*
Table–2 *CROPS AND HOLDINGS AND AREAS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES AND PESTICIDES*

Area in hectares

Sr. No.	Size Class of Holdings	No. of holdings growing one or more selected Crops & Gross irrigated area.		Chemical Fertilizers		Organic Manure		Pesticide	
		No. S.E.	Area S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.
1	2	3	4	5	6	7	8	9	10
1	Below – 1·00	14,170	8,960	11,141	6,977	9,910	4,502	5,152	1,536
	%	12·2	19·1	14·3	22·8	18·2	28·3	28·7	28·2
2	1·00 – 1·99	12,788	8,188	11,681	6,226	11,772	4,071	2,435	1,961
	%	11·8	11·9	14·5	14·0	23·6	17·7	18·8	25·1
3	2·00 – 3·99	12,494	13,905	9,737	7,874	6,706	6,559	3,637	3,023
	%	9·1	11·2	10·3	12·4	10·6	13·7	23·2	31·9
4	4·00 – 9·99	9,817	20,876	8,233	13,323	6,982	11,685	3,639	5,888
	%	7·0	10·6	9·7	13·8	9·0	14·5	23·0	39·2
5	10 & More	5,167	20,393	4,027	12,856	3,466	13,050	3,719	9,685
	%	8·8	13·7	11·5	20·0	12·3	21·6	28·8	35·8
	(All classes)	25,368	34,530	20,962	22,186	18,508	19,664	8,531	11,992
	%	4·5	5·9	5·6	7·4	6·8	8·6	11·3	18·5

Table 3 *ESTIMATED IRRIGATED AREA UNDER PADDY COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	5,82,375	2,56,886	37,798	238	5,838	6,076
	%			6·3	3·9	96·1	2·6
2	1.00 – 1.99	3,42,283	4,99,589	37,298	2,299	6,292	8,591
	%			12·2	26·8	73·2	1·9
3	2.00 – 3.99	3,73,493	10,66,706	28,695	1,522	4,575	6,097
	%			8·5	25·0	75·0	·6
4	4.00 – 9.99	3,40,005	20,81,653	25,353	1,955	5,270	7,224
	%			8·3	27·1	72·9	·4
5	10 & More	1,15,521	18,39,203	10,678	630	1,740	2,369
	%			10·2	26·6	73·4	·1
	(All classes)	17,53,677	57,44,038	1,39,822	6,643	23,714	30,357
	%			8·5	21·9	78·1	·6

Table 3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	4,373	–	525	525	109	208
	%							11·6		9·0	8·6		
2	1.00 – 1.99	511	–	128	128	26	204	206	10	–	10	1	99
	%	1·4		2·0	1·5			·6	·4		·1		
3	2.00 – 3.99	1,217	61	61	122	24	197	292	–	57	57	15	265
	%	4·2	4·0	1·3	2·0			1·0		1·2	·9		
4	4.00 – 9.99	459	92	–	92	46	501	494	5	104	110	19	173
	%	1·8	4·7		1·3			1·9	·3	2·0	1·5		
5	10 & More	–	–	–	–	–	–	22	–	9	9	2	227
	%							·2		·5	·4		
	(All classes)	2,187	153	189	341	96	281	5,387	15	694	710	146	206
	%	1·6	2·3	·8	1·1			3·9	·2	2·9	2·3		

REGION 2

Table–3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (22+23)	Quantity Applied Total M.T.	Quantity Applied Kg/ha 25/24	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (28+29)	Quantity Applied Total M.T.	Quantity Applied Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00	32,934	225	5,303	5,527	851	154	2,550	–	617	617	78	126
	%	87.1	94.5	90.8	91.0			6.7		10.6	10.2		
2	1.00 – 1.99	32,649	2,007	5,500	7,507	1,166	155	12,904	10	2,939	1,949	748	254
	%	87.5	87.3	87.4	87.4			34.6	.4	46.7	34.3		
3	2.00 – 3.99	20,113	1,141	3,004	4,145	862	208	4,957	888	864	1,752	424	242
	%	70.1	77.0	65.7	68.0			17.3	58.4	18.9	28.7		
4	4.00 – 9.99	16,802	1,650	3,297	4,947	860	174	7,346	1,217	1,804	3,021	515	170
	%	66.3	84.4	62.6	68.5			29.0	62.3	34.2	41.8		
5	10 & More	2,947	618	336	954	163	171	2,936	583	527	1,110	232	209
	%	27.6	98.1	19.3	40.3			27.5	92.6	30.3	46.9		
	(All classes)	1,05,445	5,640	17,440	23,081	3,902	169	30,693	2,698	6,751	9,449	1,997	211
	%	75.4	84.9	73.5	76.0			22.0	40.6	28.5	31.1		

Table–3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (34+35)	Quantity Applied Total 00 M.T.	Quantity Applied qt/ha 37/36	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (40+41)	Quantity Applied Total 00M.T.	Quantity Applied qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1.00	2,935	225	179	403	36	89	8,745	–	962	962	131	136
	%	7.8	94.4	3.1	6.6			23.1		16.5	15.8		
2	1.00 – 1.99	13,146	2,260	1,279	3,539	316	89	6,201	–	1,168	1,168	193	165
	%	35.2	98.3	20.3	41.2			16.6	–	18.6	13.6		
3	2.00 – 3.99	8,036	122	1,183	1,305	176	135	7,776	959	1,852	2,811	323	115
	%	28.0	8.0	25.9	21.4			27.1	63.0	40.5	46.1		
4	4.00 – 9.99	12,034	133	3,234	3,367	207	61	2,246	496	390	886	94	106
	%	47.5	6.8	61.4	46.6			8.9	25.4	7.4	12.3		
5	10 & More	3,547	362	857	1,219	71	58	614	–	229	229	17	74
	%	33.2	57.5	49.2	51.4			5.8		13.2	9.7		
	(All classes)	39,698	3,102	6,732	9,834	806	82	25,582	1,455	4,601	6,056	758	125
	%	28.4	46.7	28.4	32.4			18.3	21.9	19.4	19.9		

REGION–2

Tabel–3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	KiloLt	Lt./ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	345	–	14	14	–	–	–	–	–	–	–	–
	%	·9		·2	·2								
2	1.00 – 1.99	–	–	–	–	–	–	206	10	–	10	–	–
	%							·6	·4		·1		
3	2.00 – 3.99	120	–	23	23	–	–	–	–	–	–	–	–
	%	·4		·5	·4								
4	4.00 – 9.99	129	5	–	5	–	–	1,463	333	391	724	3	4
	%	·5	·3		·1			5·8	17·1	7·4	10·0		
5	10 & More	713	285	–	285	14	49	120	102	–	102	–	–
	%	6·7	45·3		12·0			1·1	16·2		4·3		
	(All clasess)	1,307	291	37	327	14	43	1,789	445	391	836	3	4
	%	·9	4·4	·2	1·1			1·3	6·7	1·6	2·8		

NOTE –

1) Percentage of number of holdings growing the crop and the total area under the crop is wirh respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated area with different input is with respective area under the crop.

REGION–2
(INLAND WESTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 4 — *ESTIMATED IRRIGATED AREA UNDER BAJRI COVERED BY DIFFERENT INPUTS* — Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings: Number	Total Holdings: Area	No. of Holdings growing the Crop	Irrigated Area under Crop: H.Y.V.	Irrigated Area under Crop: Others	Irrigated Area under Crop: Total
1	2	3	4	5	6	7	8
1	Below – 1.00	5,82,375	2,56,886	18,845	536	3,857	4,392
	%			3·2	12·2	87·8	1·9
2	1.00 – 1.99	3,42,283	4,99,589	14,824	2,483	4,897	7,380
	%			4·9	33·6	66·4	1·6
3	2.00 – 3.99	3,73,493	10,66,706	29,809	3,004	10,981	13,985
	%			8·8	21·5	78·5	1·5
4	4.00 – 9.99	3,40,005	20,81,653	37,959	7,618	16,445	24,063
	%			12·4	31·7	68·3	1·3
5	10 & More	1,15,521	18,39,203	18,300	3,124	11,549	14,673
	%			17·4	21·3	78·7	·9
	(All classes)	17,53,677	57,44,038	1,19,737	16,764	47,729	64,494
	%			7·3	26·0	74·0	1·3

Table 4 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate: No. of Holdings treated (% w.r.t. col. 5)	Ammonium Sulphate: Area treated: H.Y.V.	Ammonium Sulphate: Area treated: Others	Ammonium Sulphate: Area treated: Total (10+11)	Ammonium Sulphate: Quantity Applied: Total M.T.	Ammonium Sulphate: Quantity Applied: Kg/ha 13/12	Super Phosphate: No. of Holdings treated (% w.r.t. col. 5)	Super Phosphate: Area treated: H.Y.V.	Super Phosphate: Area treated: Others	Super Phosphate: Area treated: Total (16+17)	Super Phosphate: Quantity Applied: Total M.T.	Super Phosphate: Quantity Applied: Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	290	119	–	119	6	50	–	–	–	–	–	–
	%	2·0	4·8		1·6								
3	2.00 – 3.99	1,024	255	–	255	13	51	930	102	42	144	7	49
	%	3·8	8·5		1·8			3·1	3·4	4	1·0		
4	4.00 – 9.99	2,933	978	–	978	49	50	–	–	–	–	–	–
	%	7·7	12·8		4·1								
5	10 & More	287	107	–	107	5	47	309	80	–	80	6	75
	%	1·6	3·4		·7			1·7	2·6		·5		
	(All classes)	4,538	1,458	–	1,458	73	50	1,239	182	42	223	13	58
	%	3·8	8·7		2·3			1·0	1·1	·1	·3		

REGION–2

Table 4 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22 + 23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28 + 29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	3,116	162	438	600	54	90	202	–	116	116	11	95
	%	16·5	30·2	11·4	13·7			1·1		3·0	2·6		
2	1·00 – 1·99	3,977	1,220	1,007	2,227	197	88	355	140	–	140	17	257
	%	26·8	49·1	20·6	30·2			2·4	5·6		1·9		
3	2·00 – 3·99	5,464	171	2,469	2,639	184	70	2,049	304	1,097	1,401	142	101
	%	18·3	5·7	22·5	18·9			6·9	10·1	10·0	10·0		
4	4.00 – 9.99	10,763	4,989	4,463	9,452	746	79	2,724	–	3,311	3,311	295	89
	%	28·4	65·5	27·1	39·3			7·2		20·1	13·8		
5	10 & More	3,409	1,588	662	2,250	249	111	471	259	71	330	65	197
	%	18·6	50·8	5·7	15·3			2·6	8·3	·6	2·2		
All classes		26,729	8,129	9,039	17,169	1430	83	5,801	702	4,594	5,297	530	100
	%	22·3	48·5	18·9	26·6			4·8	4·2	9·6	8·2		

Table 4 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34 + 35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40 + 41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	10,772	–	2,225	2,225	168	76	328	–	34	34	3	88
	%	57·2		57·7	50·7			1·7		·9	·8		
2	1·00 – 1·99	8,011	979	2,805	3,785	225	59	–	–	–	–	–	–
	%	54·0	39·4	57·3	51·3								
3	2·00 – 3·99	16,824	171	6,228	6,398	440	69	–	–	–	–	–	–
	%	56·4	5·7	56·7	45·8								
4	4·00 – 9·99	21,540	4,445	10,266	14,711	917	62	308	–	63	63	6	95
	%	56·7	58,3	62·4	61·1			·8		·4	·3		
5	10 & More	9,457	235	7,184	7,419	467	63	756	–	425	425	90	212
	%	51·7	7·5	62·2	50·6			4·1		3·7	2·9		
All classes		66,604	5,830	28,708	34,538	2,217	64	1,392	–	522	522	99	190
	%	55·6	34·8	60·1	53·6			1·2		1·1	·8		

REGION–2

Table–4 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Dusting: Area treated: H.Y.V.	Pesticide by Dusting: Area treated: Others	Pesticide by Dusting: Area treated: Total (46+47)	Pesticide by Dusting: Quantity Applied: Total M.T.	Pesticide by Dusting: Quantity Applied: Kg/ha 49/48	Pesticide by Spraying: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Spraying: Area treated: H.Y.V.	Pesticide by Spraying: Area treated: Others	Pesticide by Spraying: Area treated: Total (52+53)	Pesticide by Spraying: Quantity Applied: Qtl	Pesticide by Spraying: Quantity Applied: Kg/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	585	171	–	171	14	82	585	171	–	171	1	6
	%	2.0	5.7		1.2			2.0	5.7		1.2		
4	4.00 – 9.99	209	–	22	22	–	–	914	–	718	718	3	4
	%	.6		.1	.1			2.4		4.4	3.0		
5	10 & More	140	37	38	75	–	–	60	54	–	54	–	–
	%	.8	1.2	.3	.5			.3	1.7		.4		
(All classes)		934	208	60	268	14	52	1,559	225	718	943	4	4
	%	.8	1.2	.1	.4			1.3	1.3	1.5	1.5		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated area with different input is with respect to respective area under the crop.

REGION–2
(INLAND WESSERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 5 *ESTIMATED IRRIGATED AREA UNDER KHARIF JOWAR COVERED BY DIFFERENT INPUTS* (Area in hecteres)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1·00	5,82,375	2,56,886	21,985	5,439	1,589	7,028
	%			3·7	77·4	22·6	3·0
2	1·00 – 1·99	3,42,283	4,99,589	19,013	6,546	612	7,157
	%			6·2	91·5	8·5	1·6
3	2·00 – 3·99	3,73,493	10,66,706	25,628	10,582	797	11,379
	%			7·6	93·0	7·0	1·2
4	4·00 – 9·99	3,40,002	20,81,653	32,734	18,736	4,703	23,440
	%			10·7	79·9	20·1	1·3
5	10 & More	1,15,521	18,39,203	12,712	8,591	2,225	10,816
	%			12·1	79·4	20·6	·7
	(All classes)	17,53,677	57,44,038	1,12,072	49,894	9,926	59,820
	%			6·8	83·4	16·6	1·2

Table 5 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	1,219	502	–	502	123	245	–	–	–	–	–	–
	%	6·4	7·7		7·0								
3	2·00 – 3·99	–	–	–	–	–	–	420	42	–	42	3	72
	%							1·6	·4		·4		
4	4·00 – 9·99	–	–	–	–	–	–	316	354	–	354	36	102
	%							1·0	1·9		1·5		
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
	(All classes)	1,219	502	–	502	123	245	736	395	–	395	39	99
	%	1·1	1·0		·8			·7	·8		·7		

REGION–2

Table 5 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (22+23)	Quantity Applied Total M.T.	Quantity Applied Kg/ha 25/24	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (28+29)	Quantity Applied Total M.T.	Quantity Applied Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00	14,207	4,622	485	5,106	562	110	4,137	1,334	–	1,334	257	193
	%	64.6	85.0	30.5	72.7			18.8	24.5		19.0		
2	1.00 – 1.99	10,882	3,774	120	3,893	529	136	8,709	3,595	–	3,595	704	196
	%	57.2	57.7	19.6	54.4			45.8	54.9		50.2		
3	2.00 – 3.99	18,016	6,833	90	6,923	845	122	6,077	4,197	238	4,435	763	172
	%	70.3	64.6	11.3	60.8			23.7	39.7	29.9	39.0		
4	4.00 – 9.99	21,122	11,719	2,247	13,966	1,460	105	5,958	5,643	207	5,850	730	125
	%	64.5	62.5	47.8	59.6			18.2	30.1	4.4	25.0		
5	10 & More	7,296	6,568	540	7,108	638	90	986	1,025	82	1,107	213	192
	%	57.4	76.5	24.2	65.7			7.8	11.9	3.7	10.2		
(All classes)		71,523	33,516	3,480	36,996	4,034	109	25,867	15,795	527	16,322	2,667	163
	%	63.8	67.2	35.1	61.8			23.1	31.7	5.3	27.3		

Table 5 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (34+35)	Quantity Applied Total 00 M.T.	Quantity Applied qt/ha 37/36	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (40+41)	Quantity Applied Total 00M.T.	Quantity Applied qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1.00	10,885	3,387	1,225	4,612	451	98	3,330	663	–	663	33	50
	%	49.3	62.3	77.1	65.6			15.1	12.2		9.4		
2	1.00 – 1.99	7,120	2,381	470	2,851	272	95	3,168	454	120	573	47	82
	%	37.4	136.4	76.9	39.8			16.7	6.9	19.6	8.0		
3	2.00 – 3.99	9,707	4,264	356	4,620	324	70	5,722	1,333	105	1,438	159	111
	%	37.9	140.3	44.7	40.6			22.3	12.6	13.1	12.6		
4	4.00 – 9.99	15,886	5,439	2,966	8,405	1,036	123	5,446	1,782	207	1,989	235	118
	%	48.5	29.0	63.1	35.9			16.6	9.5	4.4	8.5		
5	10 & More	6,416	5,428	1,135	6,563	292	44	1,266	501	133	635	51	80
	%	50.5	63.2	51.0	60.7			10.0	5.8	6.0	5.9		
(All classes)		50,014	20,896	6,153	27,052	2,375	88	18,932	4,732	564	5,296	525	99
	%	44.6	41.9	62.0	45.2			16.9	9.5	5.7	8.9		

REGION–2

Table 5 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting: No. of Holdings treated (% w.r.t. col. 5)	Area treated: H.Y.V.	Area treated: Others	Area treated: Total (46 + 47)	Quantity Applied: Total M.T.	Quantity Applied: Kg/ha 49/48	Pesticide by Spraying: No. of Holdings treated (% w.r.t. col 5)	Area treated: H.Y.V.	Area treated: Others	Area treated: Total (52 + 53)	Quantity Applied: Kilo Lt.	Quantity Applied: Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	5,462	1,584	–	1,584	75	47	1,285	309	–	309	1	3
	%	24·8	29·1		22·5			5·8	5·7		4·4		
2	1.00 – 1.99	4,233	1,745	–	1,745	61	35	4,092	1,970	–	1,970	9	5
	%	22·3	26·7		24·4			21·5	30·1		27·5		
3	2.00 – 3.99	3,822	1,814	–	1,814	83	46	3,127	1,359	–	1,359	4	3
	%	14·9	17·1		15·9			12·2	12·8		11·9		
4	4.00 – 9.99	3,874	3,193	–	3,193	92	29	5,268	3,724	–	3,724	7	2
	%	11·8	17·0		13·6			16·1	19·9		15·9		
5	10 & More	697	539	21	560	15	27	883	442	21	463	–	–
	%	5.5	6·3	·9	5·2			6·9	5·1	·9	4·3		
(All classes)		18,088	8,875	21	8,895	326	37	14,655	7,803	21	7,824	21	3
	%	16·1	17·8	·2	14·9			15·1	15·6	·2	13·1		

NOTE –

1) Percentage of number of holdings growing the crop and the total area under the crop is wirh respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated area with different input is with respective area under the crop.

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 6 *ESTIMATED IRRIGATED AREA UNDER COTTON COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings: Number	Total Holdings: Area	No. of Holdings growing the Crop	Irrigated Area under Crop: H.Y.V.	Irrigated Area under Crop: Others	Irrigated Area under Crop: Total
1	2	3	4	5	6	7	8
1	Below – 1.00	5,82,375	2,56,886	4,338	578	117	694
	%			.7	83.2	16.8	.3
2	1·00 – 1·99	3,42,283	4,99,589	11,155	1,706	706	2,411
	%			3.6	70.7	29.3	.5
3	2·00 – 3·99	3,73,493	10,66,706	10,737	2,292	631	2,923
	%			3.2	78.4	21.6	.3
4	4·00 – 9·99	3,40,005	20,81,653	12,296	2,864	1,771	4,635
	%			4.0	61.8	38.2	.3
5	10 & More	1,15,521	18,39,203	11,119	10,702	2,146	12,848
				10.6	83.3	16.7	.8
(All classes)		17,53,677	57,44,038	49,645	18,141	5,370	23,511
	%			3.0	77.2	22.8	.5

Table 6 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate: No. of Holdings treated (% w.r.t. col. 5)	Ammonium Sulphate: Area treated: H.Y.V.	Ammonium Sulphate: Area treated: Others	Ammonium Sulphate: Area treated: Total (10+11)	Ammonium Sulphate: Quantity Applied: Total M.T.	Ammonium Sulphate: Quantity Applied: Kg/ha 13/12	Super Phosphate: No. of Holdings treated (% w.r.t. col. 5)	Super Phosphate: Area treated: H.Y.V.	Super Phosphate: Area treated: Others	Super Phosphate: Area treated: Total (16+17)	Super Phosphate: Quantity Applied: Total M.T.	Super Phosphate: Quantity Applied: Kg/ha 19/18
9		10	11	12	13	14	15	16	17	18	19	20	
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	221	–	26	26	21	816
	%							2.0		3.6	1.1		
3	2·00 – 3·99	–	–	–	–	–	–	784	–	158	158	39	248
	%							7.3		25.0	5.4		
4	4·00 – 9·99	384	440	–	440	190	432	–	–	–	–	–	–
	%	3.1	15.3		9.5								
5	10 & More	1,696	3,232	–	3,232	870	269	3,208	5,890	–	5,890	1,672	284
	%	15.3	30.2		25.2			28.9	55.0		45.8		
(All classes)		2,080	3,671	–	3,671	1060	289	4,213	5,890	183	6,073	1,732	285
	%	4.2	20.2		15.6			8.5	32.5	3.4	25.8		

REGION–2

Table 6 (Cont.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (22+23)	Quantity Applied Total M.T.	Quantity Applied Kg/ha 25/24	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (28+29)	Quantity Applied Total M.T.	Quantity Applied Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	4,214	578	85	663	131	198	–	–	–	–	–	–
	%	97·1	100·0	73·0	95·5								
2	1·00 – 1·99	7,766	1,069	680	1,749	404	231	3,213	482	477	959	240	250
	%	69·6	62·7	96·4	72·5			28·8	28·3	67·6	39·8		
3	2·00 – 3·99	9,510	2,254	437	2,691	529	197	3,227	1,353	–	1,353	249	184
	%	88·6	98·3	69·3	92·1			30·1	59·0		46·3		
4	4·00 – 9·99	10,673	2,323	1,746	4,070	790	194	1,197	834	–	834	126	151
	%	86·8	81·1	98·6	87·8			9·7	29·1		18·0		
5	10 & More	5,505	1,045	2,146	3,191	609	191	230	240	–	240	51	213
	%	49·5	9·8	100·0	24·8			2·1	2·2		1·9		
	(All classes)	37,668	7,269	5,095	12,364	2,463	199	7,867	2,909	477	3,386	666	197
	%	75·9	40·1	94·9	52·6			15·8	16·0	8·9	14·4		

Table 6 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (34+35)	Quantity Applied Total 00 M.T.	Quantity Applied qt/ha 37/36	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (40+41)	Quantity Applied Total 00M.T.	Quantity Applied qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	756	202	–	202	7	35	–	–	–	–	–	–
	%	17·4	35·0		29·1								
2	1·00 – 1·99	1,534	296	–	296	24	81	–	–	–	–	–	–
	%	13·8	17·3		12·3								
3	2·00 – 3·99	1,459	297	–	297	45	152	–	–	–	–	–	–
	%	13·6	12·9		10·2								
4	4·00 – 9·99	2,492	629	–	629	78	124	–	–	–	–	–	–
	%	20·3	22·0		13·6								
5	10 & More	767	641	17	658	47	71	–	–	–	–	–	–
	%	6·9	6·0	·8	5·1								
	(All classes)	7,008	2,065	17	2,082	201	97	–	–	–	–	–	–
	%	14·1	11·4	·3	8·9								

REGION–2

Table 6 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	
1	Below – 1·00	1,981	128	68	196	2	10	2,924	523	–	523	3	6
	%	45·7	22·2	57·8	28·2			67·4	90·5	–	75·3		
2	1·00 – 1·99	1,504	199	25	224	3	13	4,907	814	477	1,291	8	6
	%	13·5	11·7	3·6	9·3			44·0	47·7	67·6	53·5		
3	3·00 – 3·99	2,078	196	83	280	67	240	4,214	1,676	–	1,676	4	2
	%	19·4	8·6	13·2	9·6			39·2	73·1	–	57·3		
4	4·00 – 9·99	480	338	155	493	5	10	4,232	2,437	109	2,546	9	4
	%	3·9	11·8	8·8	10·6			34·4	85·1	6·1	54·9		
5	10 & More	590	314	17	331	3	9	5,933	9,511	–	9,511	17	2
	%	5·3	2·9	·8	2·6			53·4	88·9		74·0		
	(All classes)	6,633	1,175	348	1,523	80	53	22,210	14,961	586	15,547	41	3
	%	13·4	6·5	6·5	6·5			44·7	82·5	10·9	66,1		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated area with different input is with respect to respective area under the crop.

REGJON-2
(INLAND WESTFRN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 7 *ESTIMATED IRRIGATED AREA UNDER RABI JOWAR COVERED BY DIFFERENT INPUTS* Area in hectores

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	5,82,375	2,56,886	28,794	3,812	4,598	8,409
	%			4·8	45·3	54·7	3·6
2	1·00 – 1·99	3,42,283	4,99,589	33,374	4,965	12,121	17,087
	%			10·9	29·1	70·9	3·8
3	2·00 – 3·99	3,73,493	10,66,706	55,830	14,299	37,477	51,775
	%			16·5	27·6	72·4	5·4
4	4·00 – 9·99	3,40,005	20,81,653	67,523	18,763	62,227	80,989
	%			22·1	23·2	76·8	4·4
5	10 & More	1,15,521	18,39,203	35,143	4,616	68,342	72,958
	%			33·5	6·3	93·7	4·6
(All classes)		17,53,677	57,44,038	2,20,664	46,454	1,84764	2,31,219
	%			13·4	20·1	79·9	4·5

Table 7 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%		–	–	–			–	–	–	–		
2	1·00 – 1·99	97	–	27	27	7	260	2,138	212	414	626	142	227
	%	·3	–	·2	·2			6·4	4·3	3·4	3·7		
3	2·00 – 3·99	–	–	–	–	–	–	2,380	–	1,024	1,024	158	154
	%		–	–	–			4·3	–	2·7	2·0		
4	4·00 – 9·99	–	–	–	–	–	–	4,005	–	3,786	3,786	558	147
	%		–	–	–			5·9	–	6·1	4·7		
5	10 & More	1,040	680	1,392	2,072	552	266	1,376	–	1,548	1,548	280	181
	%	3·0	14·7	2·0	2·8			3·9	–	2·3	2·1		
(All classes)		1,137	680	1,419	2,099	559	266	9,899	212	6773	6,984	1,138	163
	%	·5	1·5	·8	·9			4·5	·5	3·7	3·0		

REGION–2

Table–7 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00	6,241	489	1,299	1,788	233	130	2,016	1,012	–	1,012	202	200
	%	21.7	12.8	28.2	21.3			7.0	26.6	–	12.0		
2	1.00 – 1.99	6,602	1,510	884	2,394	310	130	2,863	200	1,482	1,682	206	122
	%	19.8	30.4	7.3	14.0			8.6	4.0	12.2	9.8		
3	2.00 – 3.99	16,440	6,946	5,085	12,032	942	78	1,645	345	–	345	59	171
	%	29.4	48.6	13.6	23.2			2.9	2.4	–	.7		
4	4.00 – 9.99	9,503	4,002	6,021	10,022	681	68	6,858	2,157	5,788	7,945	677	85
	%	14.1	21.3	9.7	12.4			10.2	11.5	9.3	9.8		
5	10 & More	5,479	1,032	7,523	8,555	941	110	4,446	1,097	5,447	6,544	1,451	222
	%	15.6	22.4	11.0	11.7			12.7	23.8	8.0	9.0		
(All classes)		44,265	13,979	20,811	34.790	3,107	89	17,828	4,811	12,717	17,528	2,595	148
%		20.1	30.1	11.3	15.0			8.1	10.4	6.9	7.6		

Table 7 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1	8,312	769	1,510	2,279	176	77	697	–	193	193	22	114
	%	28.9	20.2	32.8	27.1			2.4	–	4.2	2.3		
2	1.00 – 1.99	13,776	2,074	5,932	8,006	431	54	112	–	204	204	20	98
	%	41.3	41.8	48.9	46.9			.3	–	1.7	1.2		
3	2.00 – 3.99	24,985	4,957	18,186	23.144	763	33	540	–	1,664	1,664	2	1
	%	44.8	34.7	48.5	44.7			1.0	–	4.4	3.2		
4	4.00 – 9.99	30,073	7,941	25,603	33,544	1,296	39	2,239	–	4,169	4,169	449	108
	%	44.5	42.3	41.1	41.4			3.3	–	6.7	5.1		
5	10 & More	12,069	2,646	31,357	34.003	629	18	1,595	–	1,683	1,683	400	238
	%	34.3	57.3	45.9	46.6			4.5	–	2.5	2.3		
(All classes)		89,215	18,387	82,589	1,00,976	3,295	33	5,183		7,912	7,912	893	113
%		40.4	39.6	44.7	43.7			2.3		4.3	3.4		

REGION 2

Table 7 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46 + 47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52 + 53)	Kilo Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	
1	Below – 1	1,028	414	98	512	21	41	567	249	–	249	1	4
		3·6	10·9	2·1	6·1			2·0	6·5	–	3·0		
2	1·00 – 1·99	1,008	441	–	441	27	61	1,008	441	–	441	1	2
		3·0	8·9	–	2·6			3·0	8·9	–	2·6		
3	2·00 – 3·99	228	22	–	22	4	178	277	62	–	62	1	16
		·4	·2	–	–			·5	·4	–	·1		
4	4·00 – 9·99	129	–	108	108	2	18	617	69	98	167	–	–
		·2	–	·2	·1			·9	·4	·2	·2		
5	10 & More	651	421	–	421	5	12	1,548	965	1,629	2,594	4	2
		1·9	9,1	–	·6			4·4	20·9	2·4	3·6		
	(All classes)	3,044	1,299	206	1,505	59	39	4,017	1,786	1,727	3,513	7	2
	%	1·4	2·8	·1	·7			1·8	3·8	·9	1·5		

NOTE –

1) Percentage of number of holdings growing the crop and the total area under the crop is wirh respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated area with different input is with respective area under the crop.

REGION-2
(INLAND WESTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–8 *ESTIMATED IRRIGATED AREA UNDER WHEAT COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below 1.00	5,82,375	2,56,886	86,019	9,816	10,558	20,373
	%			14.4	48.2	51.8	8.6
2	1.00 – 1.99	3,42,283	4,99,589	79,801	12,851	13,545	26,397
	%			26.1	48.7	51.3	5.9
3	2.00 – 3.99	3,73,493	10,66,706	96,205	17,980	20,129	38,108
	%			28.5	47.2	52.8	4.0
4	4.00 – 9.99	3,40,005	20,81,653	98,752	28,387	27,451	55,838
	%			32.3	50.8	49.2	3.0
5	10 & More	1,15,521	18,39,203	40,698	19,276	15,931	35,208
	%			38.7	54.8	45.2	2.2
	(All classes)	17,53,677	57,44,038	4,01,475	88,310	87,615	1,75,924
	%			24.3	50.2	49.8	3.5

Table–8 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below 1.00	–	–	–	–	–	–	1,453	–	463	463	130	281
	%	–	–	–	–	–	–	1.7	–	4.4	2.3		
2	1.00 – 1.99	97	–	27	27	11	408	4,198	–	1,563	1,563	384	246
	%	.1	–	.2	.1	–	–	5.3	–	11.5	5.9		
3	2.00 – 3.99	–	–	–	–	–	–	7,336	–	3,331	3,331	751	225
	%	–	–	–	–	–	–	7.6	–	16.5	8.7		
4	4.00 – 9.99	–	–	–	–	–	–	9,630	85	5,308	5,393	1,218	226
	%	–	–	–	–	–	–	9.8	.3	19.3	9.7		
5	10 & More	1,632	3,559	346	3,905	1,047	268	5,373	5,816	1,298	7,113	2,143	301
	%	4.0	18.5	2.2	11.1	–	–	13.2	30.2	8.1	20.2		
	(All classes)	1,729	3,559	373	3,932	1,058	269	27,990	5,901	11,963	17,864	4,626	259
	%	.4	4.0	.4	2.2			7.0	6.7	13.7	10.2		

REGION–2

Table 8 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Hoklings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00	49,172	6,255	5,229	11,484	1,884	164	34,848	6,319	2,223	8,543	1,216	142
	%	57.2	63.7	49.5	56.4			40.5	64.4	21.1	41.9		
2	1·00 – 1·99	52,614	9,351	9,470	18,822	3,033	161	24,076	6,961	3,231	10,192	2,255	221
	%	65.9	72.8	69.9	71.3			30.2	54.2	23.8	38.6		
3	2·00 – 3·99	56,354	14,851	8,958	23,809	3,118	131	28,639	10,823	2,263	13,086	1,917	146
	%	58.6	82.6	44.5	62.5			29.8	60.2	11.2	34.3		
4	4·00 – 9·99	47,063	17,894	11,621	29,515	3,890	132	25,002	12,833	3,263	16,096	2,092	130
	%	47.7	63.0	42.3	52.9			25.3	45.2	11.9	28.8		
5	10 & More	15,706	4,955	5,618	10,573	2,095	198	6,525	2,219	4,159	6,379	1,393	218
	%	38.6	25.7	35.3	30.0			16.0	11.5	26.1	18.1		
	(All classes)	2,20,909	53,306	40,896	94,202	14,020	149	1,19,090	39,156	15,139	54,295	8,873	163
	%	55.0	60.4	46.7	53.5			29.7	44.3	17.3	30.9		

Table 8 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1.00	7,594	725	779	1,504	224	149	15,142	759	2,072	2,831	382	135
	%	8.8	7.4	7.4	7.4			17.6	7.7	19.6	13.9		
2	1·00 – 1·99	7,893	1,842	385	2,226	248	111	1,358	–	312	312	19	61
	%	9.9	14.3	2.8	8.4			1.7	–	2.3	1.2		
3	2·00 – 3·99	14,215	3,540	2,227	5,767	468	81	2,314	241	163	404	40	99
	%	14.8	19.7	11.1	15.1			2.4	1.3	.8	1.1		
4	4·00 – 9·99	21,792	7,265	3,733	10,998	715	65	4,505	1,810	262	2,072	244	118
	%	22.1	25.6	13.6	19.7			4.6	6.4	1.0	3.7		
5	10 & More	12,310	3,798	3,534	7,332	337	46	712	–	195	195	46	235
	%	30.2	19.7	22.2	20.8			1.7	–	1.2	.6		
	(All classes)	63,804	17,170	10,658	27,827	1,992	72	24,031	2,810	3,004	5,813	731	126
	%	15.9	19.4	12.2	15.8			6.0	3.2	3.4	3.3		

REGION–2

Table 8 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)		
		45	46	47	48	49	50	51	52	53	54	55	56
1	Bleow 1·00	1,816	–	319	319	3	9	8,157	1,984	114	2,098	9	4
	%	2·1	–	3·0	1·6			9·5	20·2	1·1	10.3		
2	1·00 – 1·99	876	99	381	480	11	23	6,704	3,197	–	3,197	9	3
	%	1·1	·8	2·8	1·8			8·4	24·9	–	12·1		
3	2·00 – 3·99	1,138	859	–	859	37	43	7,965	4,561	–	4,561	12	3
	%	1·2	4·8		2·3			8·3	25·4	–	12·0		
4	4·00 – 9·99	1,460	1,734	151	1,885	82	43	5,698	4,235	691	4,926	12	2
	%	1·5	6·1	·6	3·4			5·8	14·9	2·5	8·8		
5	10 & More	1,347	410	841	1,251	49	39	8,645	11,525	549	12,075	52	4
	%	3·3	2·1	5·3	3·6			21·2	59·8	3·4	34.3		
	(All Classes)	6,637	3,102	1,692	4,794	182	38	37,169	25,503	1,354	26,856	94	4
		1·7	3·5	1·9	2·7			9·3	28·9	1·5	15·3		–

NOTE :-

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated area with different input is with respect to respective area under the crop.

REGION– 2
(INLAND WESTARN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–9

ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT CHEMICAL FERTILIZERS IN IRRIGATED AREA

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Irrigated Area under selected Crops	Ammonium Sulphate				Super Phosphate			
		Number	Area			No. of Holdings	S.E.	Area	S.E.	No. of Holdings	S.E. % S.E.	Area	S.E.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Below –1·00	5,82,375	2,56,886	1,16,315	46,970	–	–	–	–	5,826	4,337	988	578
	%			19·5	19·9	–	–	–	–	5·0	74,4	2·1	58·5
2	1·00 – 1·99	3,42,283	4,99,589	1,08,278	69,021	2,125	1,332	803	524	4,647	1,300	2,225	623
	%			35·4	15·4	2·0	62·7	1·2	65·3	4·3	28·0	3·2	28·0
3	2·00 – 3·99	3,73,493	10,66,706	1,37,815	1,24,263	2,237	1,561	377	279	8,138	2,487	4,754	1,576
	%			40·8	12·9	1,6	69·8	·3	74·0	5·9	30·6	3·8	33·1
4	4·00 – 9·99	3,40,005	20,81,653	1,40,654	1,96,183	3,776	2,942	1,509	1,007	10,973	3,247	9,642	3,870
	%			46·0	10·7	2·7	77·9	·8	66·7	7·8	29·6	4·9	40·1
5	10 & More	1,15,521	18,39,203	58,560	1,48,868	2,719	996	9,316	4,576	5,704	2,169	14,640	7,497
	%			55·8	9·3	4·6	36·6	6·3	49·1	9·7	38·0	9·8	51·2
	(All Classes)	17,53,677	57,44,038	5,61,622	5,85,306	10,857	3,723	12,004	4,723	35,288	6,476	32,249	8,625
				34·0	11·5	1·9	34·3	2·1	39·3	6·3	18·4	5·5	26·7

Table–9 (Contd)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Irrigated Area under selected Crops	Chemical Fertilizers							
						Urea				Other Chemical Fertilizers			
		Number	Area			No. of Holdings	S.E.	Area	S.E.	No. of Holdings	S.E.	Area	S.E.
1	2	3	4	5	6	15	16	17	18	19	20	21	22
1	Below– 1·00	5,82,375	2,56,886	1,16,345	46,970	71,508	11,253	25,167	5,044	37,171	12,832	11,621	4,920
	%			19·5	19·9	61·5	15·7	53·6	20·0	32·0	34·5	24·7	42·3
2	1·00 – 1·99	3,42,283	4,99,589	1,08,278	69,021	67,310	11,380	36,592	5,803	35,714	7,622	19,517	4,353
	%			35·4	15·4	62·2	16·9	53·0	15·9	33·0	21·3	28·3	22·3
3	2·00 – 3·99	3,73,493	10,66,706	1,37,815	1,24,263	76,883	8,229	52,236	6,907	33,885	6,106	22,371	5,329
	%			40·8	12·9	55·8	10·7	42·0	13·2	24·6	18·0	18·0	23·8
4	4·00 – 9·99	3,40,005	20,81,653	1,40,654	1,96,183	67,278	6,879	71,971	10,488	35,160	4,967	37,056	8,474
	%			46·0	10·7	47·8	10·2	36·7	14·6	25·0	14·1	18·9	22·9
5	10 & More	1,15,521	18,39,203	58,560	1,48,868	22,712	3,066	32,630	6,376	10,563	1,566	15,710	3,294
	%			55·8	9·3	38·8	13·5	21·9	19·5	18·0	14·8	10·5	22·0
	(All classes)	17,53,677	57,44,038	5,61,622	5,85,306	3,05,691	19·508	2,18,595	16,046	1,52,493	16,946	1,06,277	12,418
				34·0	11·5	54·4	6·4	37·3	7·3	27·2	11·1	18·1	11·8

REGION–2
(INLAND WESTARN)
Table–9 A

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT ORGANIC MANURES AND PESTICIDES IN IRRIGATED AREAS

(Area in hectares)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Irrigated Area under selected Crops	No. of Holdings and Area benefitted by Organic Manures				Pesticides	
						Organic Manures				Pesticides	
						Farm yard Manure		Compost			
		Number	Area			No. of Holdings	Area	No. of Holdings	Area	No. of Holdings	Area
1	2	3	4	5	6	23	24	25	26	27	28
1	Below–1·00	5,82,375	2,56,886	1,16,315	46,970	35,530	11,223	18,841	4,682	17,946	5,441
	%			19·5	19·9	30·5	23·9	16·2	10·0	15·4	11·6
2	1·00 – 1·99	3,42,283	4,99,589	1,08,278	69,021	40,223	20,701	9,620	2,257	12,935	7,826
	%			35·4	15·4	37·1	30·0	8·9	3·3	11·9	11·3
3	2·00 – 3·99	3,73,493	10·66·706	1,37,815	1,24,263	49,903	41,531	13,230	6,316	15,651	9,471
	%			40·8	12·9	36·2	33·4	9·6	5·1	11·4	7·6
4	4·00 – 9·99	3,40,005	20,81,653	1,40,654	1,96,183	67,193	71,653	10,463	9,179	15,803	15,026
	%			46·0	10·7	47·8	36·5	7·4	4·7	11·2	7·7
5	10 & More	1,15,521	18,39,203	58,560	1,48,868	24,628	57,192	3,610	3,166	12,910	27,080
	%			55·8	9·3	42·1	38·4	6·2	2·1	22·0	18·2
	(All classes)	17,53,677	57,44,038	5,61,622	5,85,306	2,17,477	2,02,299	55,764	25,599	75,245	64,843
	%			34·0	11·5	38·7	34·6	9·9	4·4	13·4	11·1

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–10 *ESTIMATED NUMBER AND AREA OF HOLDINGS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES AND PESTICIDES IN UNIRRIGATED AREAS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Gross area under selected Crops	Chemical Fertilizers		Organic Manures		Pesticides	
		Number	Area			No. of Holdings benefited	Area Treated	No. of Holdings benefited	Area Treated	No. of Holdings benefited	Area Treated
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	5,82,375	2,56,886	5,05,649	1,74,182	2,21,175	47,234	3,21,934	91,523	23,579	8,091
	%			84·5	73·5	43·7	27·1	63·7	52·5	4·7	4·6
2	2·00 – 1·99	3,42,283	4,99,589	2,67,749	2,44,013	92,882	56,766	1,43,011	97,623	22,727	13,528
	%			86·5	54·0	34·7	23·3	53·4	40·0	8·5	5·5
3	2·00 – 3·99	3,73,493	10,66,706	3,01,648	5,07,951	77,290	70,014	1,51,798	1,78,574	24,659	21,797
	%			89·3	53·0	25·6	13·8	50·3	35·2	8·2	4·3
4	4·00 – 9·99	3,40,005	20,81,653	2,82,661	9,69,020	52,088	76,938	1,21,073	2,47,852	13,131	14,639
	%			92·7	53·0	18·4	7·9	42·8	25·6	4·6	1·5
5	10 & More	1,15,521	18,39,203	1,02,287	7,33,679	14,929	54,241	33,544	1,45,786	4,293	9,575
	%			97·9	45·9	14·6	7·4	32·8	19·9	4·2	1·3
	(All classes)	17,53,677	57,44,038	14,59,994	26,28,845	4,58,364	3,05,192	7,71,360	7,61,358	88,389	67,629
	%			88·2	51·8	31·4	11·6	52·8	29·0	6·1	2·6

Table 10 (Contd.)

Sr. No.	Size Class of Holdings	No. of holdings growing one or more selected Crops & Gross unirrigated area		Chemical Fertilizers		Organic Manure		Pesticide	
		No. S.E.	Area S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.
1	2	3	4	5	6	7	8	9	10
1	Below – 1·00	84,121	20,863	82,462	16,970	80,934	15,067	11,875	4,583
	%	16·6	12·0	37·3	35·9	25·1	16·5	50·4	56·6
2	1·00 – 1·99	19,964	18,197	15,149	10,851	16,084	11,856	10,347	8,505
	%	7·5	7·5	16·3	19·1	11·2	12·1	45,5	62·9
3	2·00 – 3·99	15,916	28,801	11,036	15,558	12,311	17,687	8,027	13,843
	%	5·3	5·7	14·3	22·2	8·1	9·9	32·6	63·5
4	4·00 – 9·99	13,621	59,822	5,886	13,804	9,414	27,208	3,046	5,570
	%	4·8	6·2	11·3	17·9	7·8	11·0	23·2	38,1
5	10 & More	7,038	61,642	2,610	16,270	4,070	24,722	2,089	4,558
	%	6·9	8·4	17·5	30·0	12·1	17·0	48·7	47,6
	(All Classes)	89,237	94,732	84,810	33,213	84,058	45,076	18,059	18,351
	%	6·1	3.6	18·5	10·9	10·9	5·9	20·4	27·1

REGION–2
(INLAND WESTERN)

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table 11

ESTIMATED UNIRRIGATED AREA UNDER PADDY COVERED BY DIFFERENT INPUTS

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	5,82,375	2,56,886	2,62,332	27,161	33,403	60,564
	%			43.8	44.8	55.2	25.5
2	1.00 – 1.99	3,42,383	4,99,589	1,02,376	9,546	39,371	48,918
	%			33.1	19.5	80.5	10.8
3	2.00 – 3.99	3,73,493	10,66,706	91,775	18,247	47,438	65,685
	%			27.2	27.8	72.2	6.9
4	4.00 – 9.99	3,40,005	20,81,653	71,171	11,829	78,483	90,312
	%			23.3	13.1	86.9	4.9
5	10 & More	1,15,521	18,39,203	23,316	4,376	34,694	39,070
	%			22.3	11.2	88.8	2.4
	(All classes)	17,53,677	57,44,038	5,50,970	71,159	2,33,389	3,04,549
	%			33.3	23.4	76.6	6.0

Table 11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	4,060	–	1,208	1,208	176	146	1,961	–	719	719	97	135
	%	1.5	–	3.6	2.0			.7	–	2.2	1.2		
2	1.00 – 1.99	3,675	–	3,614	3,614	255	71	–	–	–	–	–	–
	%	3.6	–	9.2	7.4			–	–	–	–		
3	2.00 – 3.99	5,921	431	3,070	3,501	505	144	178	–	125	125	16	128
	%	6.5	2.4	6.5	5.3			.2	–	.3	.2		
4	4.00 – 9.99	2,783	–	4,584	4,584	355	77	955	–	1,511	1,511	74	49
	%	3.9	–	5.8	5.1			1.3	–	1.9	1.7		
5	10 & More	755	–	740	740	52	70	–	–	–	–	–	–
	%	3.2	–	2.1	1.9	–	–	–	–	–	–		
	(All classes)	17,194	431	13,216	13,647	1,343	98	3,094		2,355	2,355	187	79
	%	3.1	.6	5.7	4.5			.6		1.0	.8		

REGION–2

Table–11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00	49,760	1,589	7,017	8,606	1,248	145	1,17,465	22,744	2,949	25,693	4,262	166
	%	19.0	5.8	21.0	14.2			44.8	83.7	8.8	42.4		
2	1.00 – 1.99	24,779	797	8,908	9,705	1,152	119	32,898	3,293	7,164	10,457	2,016	193
	%	24.2	8.4	22.6	19.8			32.1	34.5	18.2	21.4		
3	2.00 – 3.99	25,429	2,071	12.776	14,848	1,482	100	22,090	7,733	6,197	13,930	2,975	214
	%	27.7	11.4	26.9	22.6			24.1	42.4	13.1	21.2		
4	4.00 – 9.99	19,353	1,212	22,630	23,842	1,762	74	14,187	4,870	9,414	14,285	2,655	186
	%	27.2	10.2	28.8	26.4			19.9	41.2	12.0	15.8		
5	10 & More	4,897	112	7,420	7,532	779	103	3,858	3,521	3,888	7,408	616	83
	%	21.0	2.6	21.4	19.3			16.5	80.5	11.2	19.0		
	(All classes)	1,24,218	5,781	58,751	64,533	6,423	100	1,90,498	42,162	29,612	71,773	12,524	175
	%	22.5	8.1	25.2	21.2			34.6	59.2	12.7	23.6		

Table–11 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1.00	2,08,716	20,662	24,219	44,882	6,548	146	9,823	–	2,062	2,062	197	96
	%	79.6	76.1	72.5	74.1			3.7	–	6.2	3.4		
2	1.00 – 1.99	69,479	8,888	25.847	34,735	4,309	124	3,512	–	1,903	1,903	155	81
	%	67.9	93.1	65.7	71.0			3.4	–	4.8	3.9		
3	2.00 – 3.99	64.722	14,169	30,770	44,939	4,529	101	5,173	–	3,108	3,108	323	104
	%	70.5	77.7	64.9	68.4			5.6	–	6.6	4.7		
4	4.00 – 9.99	49,475	8,529	43,571	52,100	3,611	69	4,936	25	7,255	7,280	645	89
	%	69.5	72.1	55.5	57.7			6.9	.2	9.2	8.1		
5	10 & More	10,113	1,688	16,327	18,015	686	38	867	40	3,734	3,774	96	25
	%	43.4	38.6	47.1	46.1			3.7	.9	10.8	9.7		
	(All Classes)	4,02,505	53,936	1,40,734	1,94,670	19,683	101	24,311	64	18,061	18,126	1,416	78
	%	73.1	75.8	60.3	63.9			4.4	.1	7.7	6.0		

REGION-2

Table–11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Dusting: Area treated: H.Y.V.	Pesticide by Dusting: Area treated: Others	Pesticide by Dusting: Area treated: Total (46+47)	Pesticide by Dusting: Quantity Applied: Total M.T.	Pesticide by Dusting: Quantity Applied: Kg/ha 49/48	Pesticide by Spraying: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Spraying: Area treated: H.Y.V.	Pesticide by Spraying: Area treated: Others	Pesticide by Spraying: Area treated: Total (52+53)	Pesticide by Spraying: Quantity Applied: Kilo/Lt	Pesticide by Spraying: Quantity Applied: Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%	–	–	–	–	–	–	–	–	–	–		
2	1.00 – 1.90	–	–	–	–	–	–	2,525	582	109	690	3	4
		–	–	–	–	–	–	2·5	6·1	·3	1·4		
3	2.00 – 3.00	1,966	265	107	372	24	65	5,611	1,497	293	1,790	33	18
	%	2·1	1·5	·2	·6			6·1	8·2	·6	2·7		
4	4.00 – 9.99	2,174	6	909	916	4	4	840	672	96	768	–	–
		3·1	·1	1·2	1·0			1·2	5·7	·1	·9		
5	10 & More	773	–	662	662	3	5	401	172	115	287	–	–
	%	3·3	–	1·9	1·7			1·7	3·9	·3	·7		
	(All classse)	4,913	272	1,678	1,949	31	16	9,377	2,923	613	3,535	36	10
	%	·9	·4	·7	·6			1·7	4.1	·3	1·2		

NOTE :-

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total treated area with different input is with respect to respective area under the crop.

REGION–2
(INLAND WESTERN)
Table–12

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED UNIRRIGATED AREA UNDER BAJRI COVERED BY DIFFERENT INPUTS

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	5,82,375	2,56,886	80,432	2,496	25,576	28,073
	%			13·4	8·9	91·1	11·8
2	1·00 – 1·99	3,42,283	4,99,589	75,257	3,133	47,646	50,780
	%			24·3	6·2	93·8	12·2
3	2·00 – 3·99	3,73,493	10,66,706	1,09,842	9,439	1,23,158	1,32,597
	%			32·5	7·1	92·9	13·8
4	4·00 – 9·99	3,40,005	20,81,653	1,34,436	23,922	2,39,365	2,63,287
	%			44·1	9·1	90·9	14·4
5	10 & More	1,15,521	18,39,203	61,620	23,245	1,85,540	2,08,784
	%			59·0	11·1	88·9	13·1
	(All classes)			4,61,587	62,235	6,21,286	6,83,520
	%2	17,53,677	57,44,038	27·9	9·1	90·9	13·5

Table 12 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%	–	–	–	–								
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%	–	–	–	–								
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%	–	–	–	–								
4	4·00 – 9·99	–	–	–	–	–	–	–	–	–	–	–	–
	%	–	–	–	–								
5	10 & More	689	–	910	910	33	36	–	–	–	–	–	–
	%	1·1	–	·5	·4								
	(All classes)	689	–	910	910	33	36	–	–	–	–	–	–
	%	·1	–	·1	·1								

REGION–2

Table–12 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	275	37	–	37	3	81	–	–	–	–	–	–
	%	·3	1·5	–	·1			–	–	–	–		
2	1·00 – 1·99	1,624	–	964	964	70	73	666	–	655	655	98	150
	%	2·2	–	2·0	1·9			·9	–	1·4	1·3		
3	2·00 – 3·99	740	–	638	638	37	58	–	–	–	–	–	–
	%	·7	–	·5	·5			–	–	–	–		
4	4·00 – 9·99	874	734	846	1,580	85	54	1,130	–	3,472	3,472	439	126
	%	·7	3·1	·4	·6			·8	–	1·5	1·3		
5	10 & More	802	515	405	920	110	120	1,295	438	1,930	2,368	286	121
	%	1·3	2·2	·2	·4			2·1	1·9	1·0	1·1		
	(All classes)	4,315	1,287	2,853	4,140	305	74	3,091	438	6,057	6,495	823	127
	%	·9	2·1	·5	·6			·7	·7	1·0	1·0		

Table–12 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	18,399	–	7,603	7,603	493	65	–	–	–	–	–	–
	%	22·9	–	29·7	27·1	–	–	–	–	–	–		
2	1·00 – 1·99	21,231	48	14,347	14,394	781	54	–	–	–	–	–	–
	%	28·2	1·5	30·1	28·3	–	–	–	–	–	–		
3	2·00 – 3·99	27,809	10	36,904	36,914	1,260	34	1,487	–	598	598	7	12
	%	25·3	·1	30·0	27·8			1·4	–	·5	·5		
4	4·00 – 9·99	25,299	588	39,250	39,838	1,196	30	112	–	84	84	8	95
	%	18·8	2·5	16·4	15·1			·1	–	–	–		
5	10 & More	8,826	609	24,255	24,864	1,102	44	476	–	1,047	1,047	92	88
	%	14·3	2·6	13·1	11·9			·8	–	·6	·5		
	(All classes)	1,01,564	1,254	1,22,359	1,23,613	4,832	39	2,075	–	1,729	1,729	107	62
	%	22·0	2·0	19·7	18·1			·4	–	·3	·3		

REGION–2

Table–12 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54		
1	Below– 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%	–	–	–	–			–	–	–	–		
2	1·00 – 1·99	91	–	46	46	–	–	–	–	–	–	–	–
	%	·1	–	·1	·1			–	–	–	–		
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%	–	–	–	–			–	–	–	–		
4	4·00 – 9·99	323	–	773	773	5	6	233	–	91	91	–	–
	%	·2	–	·3	·3			·2	–	–	–		
5	10 & More	1,348	438	2,421	2,859	11	4	977	438	910	1,348	3	2
	%	2·2	1·9	1·3	1·4			1·6	1·9	·5	·6		
	(All size classes)	1,762	438	3,239	3,677	16	4	1,210	438	1,001	1,439	3	2
	%	·4	·7	·5	·5			·3	·7	·2	·2		

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 13 *ESTIMATED UNIRRIGATED AREA UNDER KHARIF JOWAR COVERED BY DIFFERENT INPUTS* Area in hectores

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	5,82,375	2,56,886	1,81,154	16,051	36,786	52,837
	%			30.3	30.4	69.6	22.3
2	1.00 – 1.99	3,42,283	4,99,589	1,23,643	24,522	51,430	75,951
	%			39.9	32.3	67.7	16.8
3	2.00 – 3.99	3,73,493	10,66,706	1,06,504	31,384	80,846	1,12,230
	%			31.5	28.0	72.0	11.7
4	4.00 – 9.99	3,40,005	20,81,653	71,961	29,511	96,850	1,26,361
	%			23.6	23.4	76.6	6.9
5	10 & More	1,15,521	18,39,203	19,783	10,438	38,603	49,042
	%			18.9	21.3	78.7	3.1
	(All classes)	17,53,677	57,44,038	5,03,045	1,11,906	3,04,515	4,16,421
	%			30.4	26.9	73.1	8.2

Table 13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
9		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%	–	–	–	–			–	–	–	–		
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%	–	–	–	–			–	–	–	–		
3	2.00 – 3.99	178	22	–	22	8	367	178	–	89	89	14	157
	%	.2	.1	–	–			.2	–	.1	.1		
4	4.00 – 9.99	–	–	–	–	–	–	134	81	–	81	14	173
	%	–	–	–	–			.2	.3	–	.1		
5	10 & More	689	–	520	520	33	63	–	–	–	–	–	–
	%	3.5	–	1.3	1.1			–	–	–	–		
	(All classes)	867	22	520	542	41	76	312	81	89	170	28	165
	%	.2	-	.2	.1			.1	.1	–	–		

REGION–2

Table–13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below– 1·00	52,119	8,211	1,323	9,534	1,367	143	22,204	4,103	456	4,559	888	195
	%	28·8	51·2	3·6	18·0			12·3	25·6	1·2	8·6		
2	1·00 – 1·99	44,780	15,503	5,046	20,549	2,342	114	35,710	13,425	5,237	18,662	3,199	171
	%	36·2	63·2	9·8	27·1			28·9	54·7	10·2	24·6		
3	2·00 – 3·99	38,405	23,563	7,385	30,948	3,312	107	17,490	19,671	558	20,229	2,902	143
	%	36·1	75·1	9·1	27·6			16·4	62·7	·7	18·0		
4	4·00 – 9·99	19,229	15,215	5,102	20,317	1,773	87	14,597	10,212	7,622	17,833	2,141	120
	%	26·7	51·6	5·3	16·1			20·3	34·6	7·9	14·1		
5	10 & More	4,534	3,005	1,341	4,346	694	160	1,667	1,567	819	2,386	245	103
	%	22,9	28·8	3·5	8·9			8·4	15·0	2·1	4·9		
	(All classes)	1,59,067	65,497	20,197	85,694	9,488	111	91,668	48,978	14,691	63,669	9,375	147
	%	31·6	58·5	6·6	20·6			18·2	43·8	4·8	15·3		

Table 13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Campost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	94,782	9,106	18,494	27,600	2,227	81	15,519	1,852	1,142	2,995	299	100
	%	52·3	56·7	50·3	52·2			8·6	11·5	3·1	5·7		
2	1·00 – 1·99	66,943	13,618	19,852	33,470	2,480	74	11,566	1,059	2,493	3,553	381	107
	%	54·1	55·5	38·6	44·1			9·4	4·3	4·8	4·7		
3	2·00 – 3·99	60,458	23,626	29,338	52,964	3,718	70	14,179	4,247	6,708	10,956	1,004	92
	%	56·8	75·3	36·3	47·2			13·3	13·5	8·3	9·8		
4	4·00 – 9·99	35,747	15,433	28,383	43,816	1,932	44	6,399	2,954	5,706	8,660	801	92
	%	49·7	52·3	29·3	34·7			8·9	10·0	5·9	6·9		
5	10 & More	7,712	8,791	6,156	14,947	426	29	413	408	430	838	73	87
	%	39·0	84·2	15·9	30·5			2·1	3·9	1·1	1·7		
	(All classes)	2,65,642	70,574	1,02,224	1,72797	10,783	62	48,076	19,521	16,484	27,001	2,558	95
	%	52·8	163·1	33·6	41·5			9·6	9·4	5·4	6·5		

REGION–2

Table 13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting: No. of Holdings treated (% w.r.t. col. 5)	Area treated: H.Y.V.	Area treated: Others	Area treated: Total (46+47)	Quantity Applied: Total M.T.	Quantity Applied: Kg/ha 49/48	Pesticide by Spraying: No. of Holdings treated (% w.r.t. col. 5)	Area treated: H.Y.V.	Area treated: Others	Area treated: Total (52+53)	Quantity Applied: Kilo Lt.	Quantity Applied: Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	14,367	6,191	–	6,191	436	70	16,706	5,312	–	5,312	34	6
	%	7.9	38.6	–	11.7			9.2	33.1	–	10.1		
2	1.00 – 1.99	18,710	9,634	2,482	12,116	195	16	12,790	7,498	–	7,498	20	3
	%	15.1	39.3	4.8	16.0			10.3	30.6	–	9.9		
3	2.00 – 3.99	13,511	15,604	–	15,604	209	13	16,569	18,225	–	18,225	34	2
	%	12.7	49.7	–	13.9			15.6	58.1	–	16.2		
4	4.00 – 9.99	5,744	8,859	–	8,859	88	10	6,266	8,153	–	8,153	16	2
	%	8.0	30.0	–	7.0			8.7	27.6	–	6.5		
5	10 & More	2,119	1,561	520	2,081	58	28	1,342	1,205	520	1,725	3	2
	%	10.7	15.0	1.3	4.2			6.8	11.5	1.3	3.5		
(All classes)		54,451	41,849	3,002	44,851	986	22	53,676	40,392	520	40,912	107	3
	%	10.8	37.4	1.0	10.8			10.7	36.1	.2	9.8		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated area with different input is with respective area under the crop.

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 14 *ESTIMATED UNIRRIGATED AREA UNDER COTTON COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1·00	5,82,375	2,56,886	–			–
	%			–	–	–	–
2	1.00 – 1.99	3,42,283	4,99,589	–			–
	%			–	–	–	–
3	2.00 – 3.99	3,73,493	10,66,706	–			–
	%			–	–	–	–
4	4.00 – 9.99	3,40,005	20,81,653	870		604	604
	%			·3	–	100·0	–
5	10 & More	1,15,521	18,39,203	178		138	138
	%			·2	–	100·0	–
	(All classes)	17,53,677	57,44,038	1,048	–	–	741
	%			·1			–

Table 14 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10 + 11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16 + 17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
	(All classes)	–	–	–	–	–	–	–	–	–	–	–	–
	%												

REGION–2

Table 14 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below– 1·00 %	–	–	–	–	–	–	–	–	–	–	–	–
2	1·00 – 1·99 %	–	–	–	–	–	–	–	–	–	–	–	–
3	2·00 – 3·99 %	–	–	–	–	–	–	–	–	–	–	–	–
4	4·00 – 9·99 %	–	–	–	–	–	–	–	–	–	–	–	–
5	10 & More %	–	–	–	–	–	–	–	–	–	–	–	–
	(All classes) %	–	–	–	–	–	–	–	–	–	–	–	–

Table 14 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below– 1·00 %	–	–	–	–	–	–	–	–	–	–	–	–
2	1·00 – 1·99 %	–	–	–	–	–	–	–	–	–	–	–	–
3	2·00 – 3·99 %	–	–	–	–	–	–	–	–	–	–	–	–
4	4·00 – 9·99 %	–	–	–	–	–	–	–	–	–	–	–	–
5	10 & More %	–	–	–	–	–	–	–	–	–	–	–	–
	(All classes) %	–	–	–	–	–	–	–	–	–	–	–	–

REGION–2

Table–14 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00 %	–	–	–	–	–	–	–	–	–	–	–	–
2	1.00 – 1.99 %	–	–	–	–	–	–	–	–	–	–	–	–
3	2.00 – 3.99 %	–	–	–	–	–	–	–	–	–	–	–	–
4	4.00 – 9.99 %	–	–	–	–	–	–	–	–	–	–	–	–
5	10 & More %	–	–	–	–	–	–	–	–	–	–	–	–
	(All classes) %	–	–	–	–	–	–	–	–	–	–	–	–

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated area with different input is with respect to respective area under the crop.

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 15 ESTIMATED UNIRRIGATED AREA UNDER RABI JOWAR COVERED BY DIFFERENT INPUTS

Sr. No.	Size Class of Holdings	Total Holdings: Number	Total Holdings: Area	No. of Holdings growing the Crop	Unirrigated Area under Crop: H.Y.V.	Unirrigated Area under Crop: Others	Unirrigated Area under Crop: Total
1	2	3	4	5	6	7	8
1	Below – 1.00	5,82,375	2,56,886	77,587	574	29,026	29,600
				13·0	1·9	98·1	12·5
2	1.00 – 1.99	3,42,283	4,99,589	74,929	1,732	62,958	64,690
				24·2	2·7	97·3	14·3
3	2.00 – 3.99	3,73,493	10,66,706	1,24,852	2,212	1,88,423	1,90,635
				37·0	1·2	98·8	19·9
4	4.00 – 9.99	3,40,005	20,81,653	1,52,831	12,667	4,51,831	4,64,498
				50·1	2·7	97·3	25·4
5	10 & More	1,15,521	18,39,203	71,028	10,983	4,12,142	4,23,125
				68·0	2·6	97·4	26·5
	(All classes)	17,53,677	57,44,038	5,01,227	28,168	11,44,380	11,72,548
	%			30·3	2·4	97·6	23·1

(Contd.)

Table 15 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate: No. of Holdings treated (% w.r.t. col. 5)	Ammonium Sulphate: Area treated: H.Y.V	Ammonium Sulphate: Area treated: Others	Ammonium Sulphate: Area treated: Total (10+11)	Ammonium Sulphate: Quantity Applied: Total M.T.	Ammonium Sulphate: Quantity Applied: Kg/ha 13/12	Super-Phosphate: No. of Holdings treated (% w.r.t. col. 5)	Super-Phosphate: Area treated: H.Y.V.	Super-Phosphate: Area treated: Others	Super-Phosphate: Area treated: Total (16+17)	Super-Phosphate: Quantity Applied: Total M.T.	Super-Phosphate: Quantity Applied: Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
2	1.00 – 1.99	–	–	–	–	–	–	644	–	171	171	32	187
		–	–	–	–			·9	–	·3	·3		
3	2.00 – 3.99	–	–	–	–	–	–	292	–	492	492	45	92
		–	–	–	–			·2	–	·3	·3		
4	4.00 – 9.99	–	–	–	–	–	–	533	–	1,043	1,043	26	25
		–	–	–	–			·3	–	·2	·2		
5	10 & More	1,000	–	7,170	7,170	103	14	371	410	815	1,226	36	29
		·4	–	1·7	1·7			·5	3·7	·2	·3		
	(All classes)	1,000	–	7,170	7,170	103	14	1,840	410	2,521	2,932	139	47
	%	·2	–	·6	·6		1·4		1·5	·2	·3		

REGION–2

Table 15 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below– 1·00	–	–	–	–	–	–	288	–	223	223	28	125
	%	–	–	–	–			·4	–	·8	·8		
2	1·00 – 1·99	855	–	577	577	43	75	8,132	–	4,573	4,573	809	177
	%	1·1	–	·9	·9			10·9	–	7·3	7·1		
3	2·00 – 3·99	1,843	47	1,585	1,632	58	36	4,378	–	5,335	5,335	939	176
	%	1·5	2·1	·8	·9			3·5	–	2·8	2·8		
4	4.00 – 9·99	820	210	521	730	49	67	593	311	–	311	55	177
	%	·5	1·7	·1	·2			·4	2·5	–	·1		
5	10 & More	1,602	575	1,098	1,673	68	41	1,727	301	15,145	15,446	800	52
	%	2·3	5·2	·3	·4			2·4	2·7	3·7	3·7		
	(All classes)	5,120	832	3,780	4,613	218	47	15,118	612	25,276	25,888	2,631	102
	%	1·0	3·0	·3	·4			3·0	2·2	2·2	2·2		

Table 15 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below –1·00	17,770	–	4,756	4,756	350	74	–	–	–	–	–	–
		22·9	–	16·4	16·1			–	–	–			
2	1·00 – 1·99	10,911	–	9,094	9,094	523	58	–	–	–	–	–	–
		14·6	–	14·4	14·1			–	–	–			
3	2·00 – 3·99	18,246	71	25,036	25,107	825	33	1,749	–	2,394	2,394	152	63
		14·6	3·2	13·3	13·2			1·4	–	1·3	1·3		
4	4.00 – 9·99	35,020	6,714	84,708	91,423	2,461	27	1,112	53	1,437	1,490	155	104
		22·9	53·0	18·7	19·7			·7	·4	·3	·3		
5	10 & More	15,556	1,212	76,467	77,679	2,466	32	252	–	1,450	1,450	121	83
		21·9	11·0	18·6	18·4			·4	–	·4	·3		
	(All Classes)	97,503	7,997	2,00,061	2,08,058	6,625	32	3,113	53	5,281	5,334	428	80
	%	19·5	28·4	17·5	17·7			·6	·2	·5	·5		

REGION-2

Table 15 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below- 1.00	-	-	-	-	-	-	-	-	-	-	-	-
	%												
2	1.00 - 1.99	-	-	-	-	-	-	-	-	-	-	-	-
	%												
3	2.00 - 3.99	-	-	-	-	-	-	-	-	-	-	-	-
	%												
4	4.00 - 9.99	-	-	-	-	-	-	96	53	-	53	-	-
	%							.1	.4		-		
5	10 & More	1,294	530	1,454	1,984	21	11	689	-	1,424	1,424	7	5
	%	1.8	4.8	.4	.5			1.0		.3	.3		
	(All classes)	1,294	530	1,454	1,984	21	11	785	53	1,424	1,477	7	5
	%	.3	1.9	.1	.2			.2	.2	.1	.1		

NOTE :-

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total treated area with different input is with respect to respective area under the crop.

REGION–2
(INLAND WESTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 16 *ESTIMATED UNIRRIGATED AREA UNDER WHEAT COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below– 1.00	5,82,375	2,56,886	19,795	287	2,829	3,116
	%			3.3	9.2	90.8	1.3
2	1.00 – 1.99	3,42,283	4,99,589	16,239	610	3,072	3,681
	%			5.2	16.6	83.4	.8
3	2.00 – 3.99	3,73,493	10,66,706	23,724	1,448	5,366	6,814
	%			7.0	21.3	78.7	.7
4	4.00 – 9.99	3,40,005	20,81,653	37,203	7,215	16,753	23,968
	%			12.2	30.1	69.9	1.3
5	10 & More	1,15,521	18,39,203	12,725	325	13,201	13,527
	%			12.2	2.4	97.6	.8
	(All classes)	17,53,677	57,44,038	1,09,686	9,885	41,220	51,106
	%			6.6	19.3	80.7	1.0

Table 16 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below– 1.00	–	–	–	–	–	–	334	16	–	16	8	497
	%							1.7	5.6		.5		
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
	(All classes)							334	16	–	16	8	497
	%							.3	–				

REGION–2

Table 16 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings	Area treated			Quantity Applied		No. of Holdings	Area treated			Quantity Applied	
		treated (% w.r.t. col. 5)	H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24	treated (% w.r.t. col. 5)	H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	6,778	64	1,295	1,359	112	82	973	157	20	176	22	125
	%	34·2	22·3	45·8	43·6			4·9	54·7	·7	5·7		
2	1·00 – 3·99	3,457	–	702	702	80	114	–	–	–	–	–	–
	%	21·3		22·9	19·1								
3	2·00 – 3·99	630	–	29	29	3	103	–	–	–	–	–	–
	%	2·7		·5	·4								
4	4·00 – 9·99	2,569	26	961	986	81	82	–	–	–	–	–	–
	%	6·9	·4	5·7	4·1								
5	10 & More	1,357	260	596	856	111	130	1,127	–	4,526	4,526	407	90
	%	10·7	80·0	4·5	6·3			8·9		34·3	33·5		
	(All classes)	14,791	350	3,583	3,932	387	98	2,100	157	4,545	4,702	429	91
	%	13·5	3·5	8·7	7·7			1·9	1·6	11·0	9·2		

Table 16 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings	Area treated			Quantity Applied		No. of Holdings	Area treated			Quantity Applied	
		treated (% w.r.t. col. 5)	H.Y.V.	Others	Total (34+35)	Total 00 M.T	qt/ha 37/36	treated (% w.r.t. col. 5)	H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	9,503	–	1,547	1,547	118	76	920	–	84	84	9	108
	%	48·0		54·7	49·6			4·6		3·0	2·7		
2	1·00 – 1·99	2,720	163	316	478	33	69	–	–	–	–	–	–
	%	16·7	26·7	10·3	13·0								
3	2·00 – 6·99	3,391	–	1,063	1,063	51	48	784	–	100	100	10	100
	%	14·3		19·8	15·6			3·3		1·9	1·5		
4	4·00 – 9·99	7,045	–	2,590	2,590	132	51	847	–	555	555	51	92
	%	18·9		15·5	10·8			2·3		3·3	2·3		
5	10 & More	1,333	–	3,139	3,139	73	23	336	–	37	37	4	108
	%	10·5		23·8	23·2			2·6		·3	·3		
	(All classes)	23,992	163	8,655	8,817	407	46	2,887	–	776	776	74	95
	%	21·9	1·6	21·0	17·3			2·6		1·9	1·5		

REGION–2

Table–16 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below– 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	1,447	26	69	94	1	11	1,447	26	69	94	1	11
	%	3·9	·4	·4	·4			3·9	·4	·4	·4		
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
	(All classes)	1,447	26	69	94	1	11	1,447	26	69	94	1	11
	%	1·3	·3	·2	·2			1·3	·3	·2	·2		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H· Y· V· & other variety is with respect to total area under the crop·

3) Percentage of treated area under H· Y· V., other variety & total treated area with different input is with respect to respective area under the crop·

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table–17 *ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT CHEMICAL FERTILIZERS IN UNIRRIGATED AREAS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Number and Area benefitted by Chemical Fertilizers									
				No. of Holdings Growing one or more selected Crops	Unirrigated Area under selected Crops	Ammonium Sulphate				Super Phosphate			
		Number	Area			No. of Holdings	S.E. % S.E	Area	S.E. % S.E.	No. of Holdings	S.E. % S.E	Area	S.E. % S.E
		3	4	5	6	7	8	9	10	11	12	13	14
1	Below – 1·00	5,82,375	2,56,886	5,05,649	1,74,182	4,060	2,187	1,208	668	2,295	1,962	735	709
	%			84·5	73·5	·8	53·9	·7	55·3	·5	85·5	·4	96·5
2	1·00 – 1·99	3,42,283	4,99,589	2,67,749	2,44,013	3,675	2,702	3,614	3,116	644	629	171	167
	%			86·5	54·0	1·4	73·5	1·5	86·2	·2	97·7	·1	97·7
3	2·00 – 3·99	3,73,493	10,66,706	3,01,648	5,07,951	5,921	2,911	3,523	1,924	470	336	705	526
	%			89·3	53·0	2·0	49·2	·7	54·6	·2	71·5	·1	74·5
4	4.00 – 9·99	3,40,005	20,81,653	2,82,661	9,69,020	2,783	1,599	4,584	2,952	1,488	972	2,635	1,750
	%			92·7	53·0	1·0	57·5	·5	64·4	·5	65·3	·3	66·4
5	10 & More	1,15,521	18,39,203	1,02,287	7,33,679	1,755	615	9,341	8,076	371	211	1,226	767
	%			97·9	45·9	1·7	35·0	1·3	86·5	·4	56·9	·2	62·6
	(All classes)	17,53,677	57,44,038	14,59,994	26,28,845	18,194	4,846	22,270	9,370	5,268	2,313	5,472	2,111
	%			88·2	51·8	1.2	26·6	·8	42·1	·4	43·9	·2	38·6

Table –17 (Contd.)

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Number and Area benefitted by Chemical Fertilizers									
				No. of Holdings Growing one or more selected Crops	Unirrigated Area under selected Crops	Urea				Other Chemical Fertilizers			
		Number	Area			No. of Holdings	S.E.	Area	S.E.	No. of Holdings	S.E.	Area	S.E.
1	2	3	4	5	6	15	16	17	18	19	20	21	22
1	Below – 1·00	5,82,375	2,56,886	5,05,649	1,74,182	91,966	23,900	19,535	5,571	1,40,642	77,926	30,651	16,273
	%			84·5	73·5	18·2	26·0	11·2	28·5	27·8	55·4	17·6	53·1
2	1·00 – 1·99	3,42,283	4,99,589	2,67,749	2,44,013	57,436	14,755	32,496	10,174	56,854	12,381	34,348	9,539
	%			86·5	54·0	21·5	25·7	13·3	31·3	21·2	21·8	14·1	27·8
3	2·00 – 3·99	3,73,493	10,66,706	3,01.648	5,07,951	51,370	10,115	48,092	14,495	38,702	8,693	39,493	14,707
	%			89·3	53·0	17·0	19·7	9·5	30·1	12·8	22·5	7·8	37·2
4	4·00 – 9·99	3,40,005	20,81,653	2,82,661	9,69,020	32,782	4,316	47,454	10,644	25,707	4,548	35,900	8,812
	%			92·7	53·0	11·6	13·2	4·9	22·4	9·1	17·7	3·7	24·5
5	10 & More	1,15,521	18,39,203	1,02,287	7,33,679	7,832	1,814	15,327	3,301	7,090	1,491	32,134	12,355
	%			97·9	45·9	7·7	23·2	2·1	21·5	6·9	21·0	4·4	38·4
	(All classes)	17,53,677	57,44,038	14,59,994	26,28,845	2,41,386	30,218	1,62,904	21,652	2,68,995	79,525	1,72,526	28,326
	%			88·2	51·8	16·5	12·5	6·2	13·3	18·4	29·6	6·6	16·4

REGION 2
(INLAND WESTERN)

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table–17 A *ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT ORGANIC MANURES AND PESTICIDES IN UNIRRIGATED AREAS*

(Area in hectares)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	un Irrigated Area under selected Crops	No. of Holdings and Area benefitted by Organic Manures					
						Organic Manures				Pesticides	
						Farm yard Manure		Compost		Pesticides	
		Number	Area			No. of Holdings	Area	No. of Holdings	Area	No. of Holdings	Area
1	2	3	4	5	6	23	24	25	26	27	28
1	Below – 1·00	3,82,375	2,56,886	5,05,649	1,74,182	2,99,512	86,383	22,422	5,139	23,579	8,091
	%			84·5	73·5	59·2	49·6	4·4	3·0	4·7	4·6
2	1·00 – 1·99	3,42,283	4,99,589	2,67,749	2,44,013	1,30,327	92,168	12,684	5,455	22,727	13,528
	%			86·5	54·0	48·7	37·8	4·7	2·2	8·5	5·5
3	2·00 – 3·99	3,73,493	10,66,706	3,01,648	5,07,951	1,35,222	1,60,984	16,576	17,156	24,659	21,797
	%			89·3	53·0	44·8	31·7	5·5	3·4	8·2	4·3
4	4·00 – 9·99	3,40,005	20,81,653	2,82,661	9,69,020	1,12,689	2,29,784	8,480	18,068	13,131	14,639
	%			92·7	53·0	39·9	23·7	3·0	1·9	4·6	1·5
5	10 & More	1,15,521	18,39,203	1,02,287	7,33,679	31,791	1,38,642	1,753	7,144	4,293	9,575
	%			97·9	45·9	31·1	18·9	1·7	1·0	4·2	1·3
	(All classes)	17,53,677	57,44,038	14,59,994	26,28,845	7,09,541	7,07,961	61,915	52,963	88,389	67,629
	%			88·2	51·8	48·6	26·9	4·2	2·0	6·1	2·6

REGION 2
(INLAND WESTERN)

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table–18 *ESTIMATED NUMBER OF CATTLE REPORTED BY OPERATING HOUSEHOLD AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings reporting males	Males over 3 years			No. of Holdings reporting females	Females over 3 years		
		Number	Area		Working	Others	Total Males (6+7)		In Milk	Others	Total Females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	3,82,375	2,56,886	2,17,088	3,29,382	36,062	3,65,444	1,40,968	1,45,130	61,421	2,06,551
2	1·00 – 1·99	3,42,283	4,99,589	1,42,869	2,65,548	10,981	2,76,529	1,27,190	1,46,457	55,941	2,02,398
3	2·00 – 3·99	3,73,493	10,66,706	2,10,711	4,04,254	10,231	4,14,485	1,60,802	1,88,870	76,024	2,64,894
4	4·00 – 9·99	3,40,005	20,81,653	2,10,559	4,65,916	31,954	4,97,870	1,92,354	2,80,005	1,17,777	3,97,782
5	10 & More	1,15,521	18,39,203	85,697	2,36,441	16,905	2,53,346	77,124	1,47,007	56,493	2,03,500
	(All classes)	17,53,677	57,44,038	8,66,924	17,01,541	1,06,133	18,07,674	6,98,438	9,07,469	3,67,656	12,75,125

Table–18 (Contd.)

Sr. No.	Size Class of Holdings	Youngstock upto 3 years		Total	Total no. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock	Cols. (8+12+14)	
		13	14	15	16
1	Below – 1·00	95,402	1,25,392	6,97,387	2,77,289
2	1·00 – 1·99	79,904	1,22,173	6,01,100	1,81,954
3	2·00 – 3·99	86,538	1,29,308	8,08,687	2,48,087
4	4·00 – 9·99	1,02,979	1,79,264	10,74,916	2,44,248
5	10 & More	43,707	91,704	5,48,550	92,830
	(All classes)	4,08,530	6,47,841	37,30,640	10,44,408

REGION 2
(INLAND WESTERN

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table–19 *ESTIMATED NUMBER OF BUFFALOES REPORTED BY OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings reporting males	Males over 3 years			No. of Holdings reporting females	Females over 3 years		
		Number	Area		Working	Others	Total Males (6+7)		In Milk	Others	Total Females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	5,82,375	2,56,886	37,561	14,730	28,892	43,622	2,11,377	2,35,358	63,735	2,99,093
2	1·00 – 1·99	3,42,283	4,99,589	24,434	23,332	8,725	32,057	1,23,258	1,53,724	35,039	1,88,763
3	2·00 – 3·99	3,73,493	10,66,706	19,379	23,791	6,223	30,014	1,25,037	1,78,636	32,990	2,11,626
4	4·00 – 9·99	3,40,005	20,81,653	15,855	25,266	5,831	31,097	1,24,549	1,77,586	43,536	2,21,122
5	10 & More	1,15,521	18,39,203	7,679	9,073	3,985	13,058	48,757	68,369	16,049	84,418
	(All classes)	17,53,677	57,44,038	1,04,908	96,192	53,656	1,49,848	6,32,978	8,13,673	1,91,349	10,05,022

Table–19 (Contd.)

Sr. No.	Size Class of Holdings	Youngstock upto 3 years		Total Cols. (8+12+14)	Total no. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1·00	96,609	1,26,434	4,69,149	2,61,245
2	1·00 – 1·99	72,569	87,945	3,08,765	1,41,202
3	2·00 – 3·99	71,430	95,059	3,36,699	1,41,613
4	4·00 – 9·99	58,435	88,411	3,40,630	1,36,683
5	10 & More	15,944	24,576	1,22,052	53,694
	(All classes)	3,14,987	4,22,425	15,77,295	7,34,437

REGION 2
(INLAND WESTERN

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–20

ESTIMATED NUMBER OF CATTLE PER 100 HECTARES OF AREA OPERATED BY HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings		No. of cattle per 100 hectares of area operated by Households								
				No. of Holdings Reporting Males	Males over 3 years			No. of Holdings Reporting Females	Females over 3 years		
		Number	Area		Working	Others	Total Col. (6 + 7)		In milk	Others	Total Col. (10 + 11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	5,82,375	2,56,886	2,17,088	139	15	155	1,40,968	61	26	87
2	1·00 – 1·99	3,42,283	4,99,589	1,42,869	59	2	62	1,27,190	33	12	45
3	2·00 – 3·99	3,73,493	10,66,706	2,10,711	42	1	43	1,60,802	19	8	27
4	4·00 – 9·99	3,40,005	20.81,653	2,10,559	25	2	27	1,92,354	15	6	21
5	10 & More	1,15,521	18,39,203	85,697	14	1	15	77,124	9	3	12
	(All classes)	17,53,677	57,44,038	8,66,924	32	2	34	6,98,438	17	7	24

Table–20 (Contd·)

Sr. No.	Size Class of Holdings	No. of cattle per 100 hectares of area operated by households			
		Youngstock upto 3 years		Total	Total No. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock	Cols. (8 + 12 + 14)	
		13	14	15	16
1	Below – 1·00	95,402	53	295	2,77,289
2	1·00 – 1·99	79,904	27	134	1,81,954
3	2·00 – 3·99	86,538	13	83	2,48,087
4	4·00 – 9·99	1,02,979	10	58	2,44,248
5	10 & More	43,707	6	33	92,830
	(All classes)	4,08,530	12	71	10,44,408

REGION 2
(INLAND WESTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table –21

ESTIMATED NUMBER OF BUFFALOES PER 100 HECTARES OF AREA OPERATED BY HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings		No. of Buffaloes per 100 hectares of area operated by Households							
					Males over 3 years				Females over 3 years		
		Number	Area	No. of Holdings reporting males	Working	Others	Total males Col. (6 + 7)	No. of Holdings reporting females	In Milk	Others	Total females Col. (10 + 11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	5,82,375	2,56,886	37,561	6	12	18	2,11,377	100	27	127
2	1·00 – 1·99	3,42,283	4,99,589	24,434	5	2	7	1,23,258	34	8	42
3	2·00 – 3·99	3,73,493	10,66,706	19,379	2	1	3	1,25,037	18	3	22
4	4·00 – 9·99	3.40,005	20,81,653	15,855	1	–	2	1,24,549	10	2	12
5	10 & More	1,15,521	18,39,203	7,679	1	–	1	48,757	4	1	5
	(All classes)	17,53,677	57,44038	1,04,908	2	1	3	6,32,978	15	4	19

Table–21 (Contd.)

Sr. No.	Size Class of Holdings	No. of Buffaloes per 100 hectares of area operated by Households			
		Youngstock upto 3 years		Total of	
		Number of Holdings reporting youngstock	Total youngstock	Cols. (8 + 12 + 14)	Holdings reporting one or more categories
		13	14	15	16
1	Below – 1·00	96,609	53	198	2,61,245
2	1·00 – 1·99	72,569	20	69	1,41,202
3	2·00 – 3·99	71,430	10	35	1,41,613
4	4·00 – 9·99	58,435	5	18	1,36,683
5	10 & More	15,944	1	7	53,694
	(All classes)	3,14,987	8	30	7,34,437

REGION 2
(INLAND WESTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–22 *ESTIMATED NUMBER OF CATTLE PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		No. of Cattle per 100 Operating Households								
				Males over 3 years				Females over 3 years				
		Number	Area	No. of Holdings reporting males	Working	Others	Total males (6+7)	No. of Holdings reporting females	In Milk	Others	Total females (10+11)	
1	2	3	4	5	6	7	8	9	10	11	12	
1	Below – 1·00	5,82,375	2,56,886	2,17,088	55	6	61	1,40,968	24	10	34	
2	1·00 – 1·99	3,42,283	4,99,589	1,42,869	87	4	90	1,27,190	48	18	66	
3	2·00 – 3·99	3,73,493	10,66,706	2,10,711	119	3	122	1,60,802	56	22	78	
4	4·00 – 9·99	3,40,005	20,81,653	2,10,559	151	10	162	1,92,354	91	38	129	
5	10 & More	1,15,521	18,39,203	85,697	223	16	239	77,124	139	53	192	
	(All classes)	17,53,677	57,44,038	8,66,924	102	6	108	6,98,438	54	22	77	

Table–22 (Contd.)

Sr. No.	Size Class of Holdings	No. of Cattle per 100 Operating Households			
		Youngstock upto 3 years		Total Cols. (8+12+14)	Total No. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1·00	95,402	21	116	2,77,289
2	1·00 – 1·99	79,904	40	196	1,81,954
3	2·00 – 3·99	86,538	38	239	2,48,087
4	4·00 – 9·99	1,02,979	58	349	2,44,248
5	10 & More	43,707	86	517	92,830
	(All classes)	4,08,530	39	224	10,44,408

REGION 2
(INLAND WESTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–23 *ESTIMATED NUMBER OF BUFFALOES PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		Buffaloes per 100 Operating Households							
				Males over 3 years					Females over 3 years		
		Number	Area	No. of Holdings reporting males	Working	Others	Total males (6+7)	No. of Holdings reporting females	In Milk	Others	Total females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	5,82,375	2,56,886	37,561	2	5	7	2,11,377	39	11	50
2	1·00 – 1·99	3,42,283	4,99,589	24,434	8	3	10	1,23,258	50	11	62
3	2·00 – 3·99	3,73,493	10,66,706	19,379	7	2	9	1,25,037	53	10	62
4	4·00 – 9·99	3,40,005	20,81,653	15,855	8	2	10	1,24,549	58	14	72
5	10 & More	1,15,521	18,39,203	7,679	9	4	12	48,757	64	15	80
	(All classes)	17,53,677	57,44,038	1,04,908	6	3	9	6,32,978	49	11	

Table–23 (Contd·)

Sr. No.	Size Class of Holdings	No. of Buffaloes per 100 Operating Households			
		Youngstock upto 3 years		Total	Total No. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock	Cols. (8+12+14)	
		13	14	15	16
1	Below – 1·00	96,609	21	78	2,61,245
2	1·00 – 1·99	72,569	29	101	1,41,202
3	2·00 – 3·99	71,430	28	99	1,41,613
4	4·00 – 9·99	58,435	29	111	1,36,683
5	10 & More	15,944	23	115	53,694
	(All classes)	3,14,987	25	95	7,34,437

REGION–2

(INLAND WESTERN)

AGRICULTURAL CENSUS 1976–77 – MAHARASHTRA STATE

ESTIMATED NUMBER OF LIVESTOCK (OTHER THAN CATTLE AND BUFFALOES) PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977

Table 24

Sr. No.	Size Class of Holdings	Total Holdings		Number per 100 Operating Households													
				Sheep			Goats			Horses and Ponies	Mules	Donkeys or Asses	Pigs			Camels	Other Livestock
		Number	Area	Under one year	One year & above	Total	Under one year	One year & above	Total				below 6 months	above 6 months	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Below – 1·00	5,82,375	2,56,886	7	45	52	18	52	70	–	–	–	–	–	–	–	–
2	1·00 – 1·99	3,42,283	4,99,589	11	105	116	28	73	101	–	–	–	–	–	–	–	2
3	2·00 – 3·99	3,73,493	10,66,706	14	70	84	30	77	107	–	–	–	–	–	–	–	–
4	4·00 – 9·99	3,40,005	20,81,653	31	229	260	41	118	159	1	–	–	–	–	–	–	–
5	10 & More	1,15,521	18,39,203	56	273	329	29	130	159	1	–	–	1	–	1	–	1
	(All Classes)	17,53,677	57,44,038	17	109	126	27	78	105	–	–	–	–	–	–	–	–

Table 25 *ESTIMATED NUMBER OF POULTRY PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		Number per 100 Operating Households												Total Poultry
				Cocks			Hens			Chickens below 5 months			Ducks			
		Number	Area	Deshi	Improved	Total (Col. 5 + 6)	Deshi	Improved	Total (Col 8 + 9)	Deshi	Improved	Total (Col. 11 + 12)	Deshi	Improved	Total (Col. 14 + 15)	Col. 7 + 10 + 13 + 16
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Below – 1·00	5,82,375	2,56,886	–	–	26	–	–	198	–	–	34	–	–	–	257
2	1·00 – 1·99	3,42,283	4,99,589	–	–	34	–	–	258	–	–	28	–	–	–	320
3	2·00 – 3·99	3,73,493	10,66,706	–	–	32	–	–	256	–	–	34	–	–	–	322
4	4·00 – 9·99	3,40,005	20,81,653	–	–	42	–	–	304	–	–	60	–	–	–	406
5	10 & More	1,15,521	18,39,203	–	–	36	–	–	335	–	–	67	–	–	–	438
	(All Classes)	17,53,677	57,44,038	–	–	32	–	–	248	–	–	39	–	–	–	320

REGION–2

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

(INLAND WESTERN)
Table–26

ESTIMATED NUMBER OF AGRICULTURAL MACHINERY OWNED INDIVIDUALLY PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	Ploughs Wooden	Ploughs Iron	Total Col. 5+6	Earth Leveller or Scrapers	Harrows & Hoes	Hand Tractors Power Tillers	Seed Drills	Maize Shellers	Sprayers	Dusters	Harvesters	Chaff Cutters	Threshers
		Number of Agricultural Machinery Owned Individually per 100 Operating Households														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Below – 1	5,82,375	2,56,886	23	7	30	11	81	–	18	–	–	–	–	2	–
2	1·00 – 1·99	3,42,283	4,99,589	27	16	44	14	120	3	40	–	2	–	–	1	2
3	2·00 – 3·99	3,73,493	10,66,706	28	24	52	23	123	–	54	–	1	–	–	2	5
4	4·00 – 9·99	3,40,005	20,81,653	37	38	76	28	114	–	61	–	6	–	1	7	5
5	10 & More	1,15,521	18,39,203	42	57	99	20	114	–	75	–	2	–	5	8	7
(All Classes)		17,53,677	57,44,038	29	21	50	18	104	1	41	–	2	–	1	3	3

Table 26 (Contd.)

Sr. No.	Size Class of Holdings	Pumps Electric	Pumps Diesel	Pumps Others	Pumps Total Col. 16+19+20	Bullock Carts	Cane Crushers	Oil Crusher	Persian wheel or Rahat	Tractors less than 10 H.P.	Tractors 10 to 14 H.P.	Tractors 14 to 19 H.P.	Tractors more than 20 H.P.	Tractors H.P. not known	Tractors Total	Other Machinery
		Number of Agricultural Machinery owned Individually per 100 operating Households														
18		19	20	21	22	23	24	25	26	27	28	29	30	31	32	
1	Below – 1·00	12	6	–	19	13	–	–	–	–	–	–	–	–	–	463
2	1·00 – 1·99	18	5	1	23	25	–	–	–	–	–	–	2	–	2	511
3	2·00 – 3·99	14	13	2	29	32	–	–	–	–	–	–	1	1	1	476
4	4·00 – 9·99	15	10	7	32	41	1	2	–	–	–	–	1	–	1	524
5	10 & More	20	19	7	46	55	1	3	–	–	–	–	–	1	1	505
(All Classes)		15	9	2	26	27	–	–	–	–	–	–	1	–	1	486

REGION–2
(INLAND WESTERN)

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

ESTIMATED NUMBER OF AGRICULTURAL MACHINERY OWNED INDIVIDUALLY PER 100 HECTARES OF AREA OPERATED BY HOUSEHOLDS AS ON 15TH APRIL 1977

Table–27

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	Number of Agricultural Machinery Owned Individually per 100 hectares of Area Operated by Households: Ploughs Wooden	Ploughs Iron	Ploughs Total Col. 5+6	Earth Leveller or Scrapers	Harrows & Hoes	Hand Tractors Power Tillers	Seed Drills	Maize Shellers	Sprayers	Dusters	Harvesters	Chaff Cutters	Threshers
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Below – 1.00	5,82,375	2,56,886	59	18	77	27	205	–	45	–	1	1	1	5	–
	%															
2	1.00 – 1.99	3,42,283	4,99,589	19	11	30	10	82	2	27	–	1	–	–	1	1
	%															
3	2.00 – 3.99	3,73,493	10,66,706	10	9	18	8	43	–	19	–	–	–	–	1	2
	%															
4	4.00 – 9.99	3,40,005	20,81,653	6	6	13	5	19	–	10	–	1	–	–	1	1
	%															
5	10 & More	1,15,524	18,39,203	3	4	6	1	7	–	5	–	–	–	–	–	–
	%															
	(All classes)	17,53,677	57,44,038	9	7	16	6	33	–	13	–	1	–	–	1	1

Table 27 (Contd.)

Sr. No.	Size Class of Holdings	Pumps: Electric	Diesel	Others	Total Col. 18+19+20	Bullock Carts	Cane Crushers	Oil Crushers	Persian wheel or Rahat	Tractors with H.P.: less than 10	10 to 14	14 to 19	20 & above	H.P. not available	Total	Other Machinery
		18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1	31	16	–	48	32	1	–	–	–	–	–	1	–	1	1173
	%															
2	1.00 – 1.99	12	3	1	16	17	–	–	–	–	–	–	1	–	1	350
	%															
3	2.00 – 3.99	5	5	1	10	11	–	–	–	–	–	–	–	–	–	166
	%															
4	4.00 – 9.99	2	2	1	5	7	–	–	–	–	–	–	–	–	–	87
	%															
5	10 & More	1	1	–	3	4	–	–	–	–	–	–	–	–	–	33
	%															
	All Classes)	5	3	1	8	8	–	–	–	–	–	–	–	–	–	154

REGION–3
(INLAND NORTHERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 1 *ESTIMATED AREA CROPPED ONCE AND MORE THAN ONCE IN IRRIGATED AREAS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Cropped once	Cropped twice		Irrigated Area: Cropped more than twice			Net Irrigated (5 to 10)	Gross Irrigated
		Number	Area		One crop Irrigated	Two crops Irrigated	One crop Irrigated	Two crops Irrigated	More than two crops Irrigated		
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,17,018	61,345	11,093	1,660	151	–	–	–	12,903	13,054
	%			85·9	12·8	1·1	–	–	–	22·6	101·1
2	1·00 – 1·99	1,34,450	1,98,684	28,806	4,963	72	8	–	–	33,849	33,922
	%			85·1	14·6	·2	–	–	–	22·7	100·2
3	2·00 – 3·99	1,78,036	5,12,083	48,919	12,953	1,276	14	–	–	63,162	64,439
	%			77·4	20·5	2·0	–	–	–	16·5	102·0
4	4·00 – 9·99	1,87,827	11,54,366	75,246	29,646	3,253	–	–	–	1,08,144	1,11,397
	%			69·5	27·4	3·0	–	–	–	13·1	103·0
5	10 & More	46,364	6,68,203	31,113	16,602	1,814	–	–	–	49,529	51,343
	%			62·8	33·5	3·6	–	–	–	12·8	103·6
	(All classes)	6,63,695	25,94,681	1,95,177	65,824	6,567	23	–	–	2,67,588	2,74,155
	%			72·9	24·6	2·4	–	–	–	14·8	102·4

ESTIMATED AREA CROPPED ONCE AND MORE THAN ONCE IN UNIRRIGATED AREAS AND AREA AFFECTED BY WATER LOGGING AND SALINITY

Table–1

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Unirrigated Area: Cropped once	Cropped more than once	Net Unirrigated (5+6)	Gross Unirrigated	Number of Holdings and Area affected by: Water logging: No. of Holdings	Water logging: Area affected: with drainage	Water logging: Area affected: without drainage	Water logging: Total of (10+11)	Salinity: No. of Holdings	Salinity: Area affected
		Number	Area										
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Below –1·00	1,17,018	61,345	34,439	9,734	44,173	55,566	9,660	1,660	3,757	5,417	345	89
	%			77·9	22·0	77·3	125·7	10·0	3·4	7·6	11·0	·4	·1
2	1·00 – 1·99	1,34,450	1,98,684	1,02,725	12,394	1,15,119	1,32,492	11,496	6,485	8,340	14,825	1,103	1,002
	%			89·2	10·7	77·2	115·0	10·6	4·0	5·2	9·3	1·0	·6
3	2·00 – 3·99	1,78,036	5,12,083	2,91,881	27,702	3,19,583	3,60,267	14,482	7,818	33,724	41,541	1,413	4,357
	%			91·3	8·6	83·5	112·7	10·4	1·9	8·4	10·4	1·0	1·0
4	4·00 – 9·99	1,87,827	11,54,366	6,83,975	33,711	7,17,685	7,81,041	19,409	14,224	78,494	92,718	4,240	3,850
	%			95·3	4·7	86·9	108·8	13·0	1·5	8·5	10·0	2·8	·4
5	10 & More	46,364	6,68,203	3,18,201	17,532	3,35,732	3,69,863	6,472	8,036	58,384	66,420	284	1,966
	%			94·7	5·2	87·1	110·1	19·3	1·6	11·8	13·4	·8	·4
(All cla ses)		6,63,695	25,94,681	14,31,222	1,01,073	15,32,291	16,99,229	61,519	38,222	1,82,698	2,20,920	7,385	11,264
	%			93·4	6·6	85·1	110·8	11·7	1·8	9·0	10·9	1·4	·5

REGION–3
(INLAND NORTHERN) *ESTIMATES OF NET & GROSS AREA, AREA WATER LOGGED & AFFECTED*
Table–1 B *BY SALINITY, ALONG WITH STANDARD ERRORS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	Net Irrigated Area	S.E.	Gross Irrigated Area	S.E.	Net Unirrigated Area	S.E.	Gross Unirrigated Area	S.E.
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,17,018	61,345	12,903	3,653	13,054	3,658	44,173	9,485	55,566	15,956
	%				28·3		28·0		21·4		28·7
2	1·00 – 1·99	1,34,450	1,98,684	33,849	10,214	33,922	10,222	1,15,119	11,293	1,32,492	14,411
	%				30·1		30·1		9·8		10·8
3	2·00 – 3·99	1,78,036	5,12,083	63,162	17,756	64,439	17,749	3,19,583	28,453	3,60,267	38,620
	%				28·1		27·5		8,9		10·7
4	4·00 – 9·99	1,87,827	11,54,366	1,08,144	11,479	1,11,397	12,614	7,17,685	54,964	7,81,041	61,965
	%				10·6		11·3		7·6		7·9
5	10 & More	46,364	6,68,203	49,529	8,416	51,343	7,917	3,35,732	26,703	3,69,863	32,612
	%				16·9		15·4		7·9		8·8
	All classes)	6,63,695	25,94,681	2,67,588	25,210	2,74,155	25,597	15,32,291	69,001	16,99,229	82,807
	%				9·4		9·3		4·5		4·8

ESTIMATED NUMBER AND AREA OF HOLDINGS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES
Table–2 *AND PESTICIDES IN IRRIGATED AREAS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	No. of Holdings Growing one or more selected Crops	Gross area under one or more selected Crops	Chemical Fertilizers No. of Holdings benefited	Chemical Fertilizers Area Treated	Organic Manures No. of Holdings benefited	Organic Manures Area Treated	Pesticides No. of Holdings benefited	Pesticides Area Treated
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1.00	1,17,018	61,345	18,441	6,026	17,329	5,676	4,086	1,251	1,795	459
	%			18.8	12·1	94.0	94.2	22.2	20·8	9·7	7·6
2	1·00 – 1·99	1,34,450	1,98,684	2,5114	13,616	21,804	11,552	6,559	2,892	352	102
	%			22.6	8.4	86.8	84·8	26·1	21·2	1·4	·8
3	2·00 – 3·99	1,78,036	5,12,083	32,745	25,182	29,095	19,600	7,190	5,145	5,040	3,564
	%			22.8	6·1	88·9	77·8	22·0	20·4	15·4	14·2
4	4·00 – 9·99	1,87,827	11,54,366	60,775	62,488	55,518	54,624	20,409	18,306	9,607	9,179
	%			39.2	6·5	91·4	87·4	33·6	29·3	15·8	14·7
5	10 & Mroc	46,364	6,68,203	16,273	31,375	13,901	25,334	4,861	6,858	3,454	4,283
	%			44.5	5·8	85.4	80.7	29·9	21·9	21·2	13·7
	(All classes)	6,63,695	25,94,681	1,53,348	1,38,687	1,37,647	1,16,786	43,105	34,452	20,248	17,588
	%			28·1	6·5	89·8	84·2	28·1	24·8	13·2	12·7

REGION–3
Table–2 A

ESTIMATED STANDARD ERRORS OF THE ESTIMATES OF HOLDINGS AND AREA GROWING ONE OR MORE CROPS AND HOLDINGS AND AREAS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES AND PESTICIDES

Area in hectares

Sr. No.	Size Class of Holdings	No. of holdings growing one or more selected Crops & Gross irrigated area.		Chemical Fertilizers		Organic Manure		Pesticide	
		No. S.E.	Area S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.
1	2	3	4	5	6	7	8	9	10
1	Below – 1·00	4,220	1,782	3,909	1,735	2,383	701	1,587	387
	%	22·9	29·6	22·6	30·6	58·3	56·0	88·4	84·3
2	1·00 – 1·99	4,457	3,212	4,383	2,955	2,369	1,291	349	101
	%	17·7	23·6	20·1	25·6	36·1	44·7	99·1	99·0
3	2·00 – 3·99	7,073	5,685	6,517	4,910	2,752	2,275	2,471	2,248
	%	21·6	22·6	22·4	25·0	38·3	44·2	49·0	63·1
4	4·00 – 9·99	77,31	8,495	7,731	8,707	4,579	4,251	2,470	2,765
	%	12·7	13·6	13·9	15·9	22·4	23·2	25·7	30·1
5	10 & More	21,37	7,632	2,007	6,899	755	1,586	777	1,082
	%	13·1	24·3	14·4	27·2	15·5	23·1	22·5	25·3
	(All classes)	12,330	13,275	11,864	12,620	6,356	5,284	3,931	3,745
	%	8·0	9·6	8·6	10·8	14·7	15·3	19·4	21·3

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 3 *ESTIMATED IRRIGATED AREA UNDER PADDY COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below 1.00	1,17,018	61,345	2,733	- 28	-417	- 445
	%			2·8	6·3	93·7	·9
2	1.00 – 1.99	1,34,450	1,98,684	9,668	-1,032	-1,747	-2,779
	%			8·7	37·1	62·9	1·7
3	2.00 – 3.99	1,78,036	5,12,083	6,501	-1,977	-541	-2,518
	%			4·5	78·5	21·5	·6
4	4.00 – 9.99	1,87,827	11,54,366	16,689	- 621	-4,092	-4,713
	%			10·8	13·2	86·8	·5
5	10 & More	46,364	6,68,203	2,866	- 154	-726	- 880
	%			7·8	17·5	82·5	·2
	(All classes)	6,63,695	25,94,681	38,457	3,812	7,523	11,335
	%			7·1	33·6	66·4	·5

Table 3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	1,577	263	263	46	175	–	–	–	–	–	–	–
	%	9·4	6·4	5·6									
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
	(All classes)	1,577	–	263	263	46	175	–	–	–	–	–	–
	%	4·1		3·5	2·3								

Table–3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	2,559	28	369	397	52	131	947	–	354	354	47	133
	%	93·6	100·0	88·5	89,2			34·7	–	84·9	79·6		
2	1·00 – 1·99	8,707	620	1,159	1,779	472	265	2,315	552	224	776	122	157
	%	90·1	60·1	66·3	64·0			23·9	53·5	12·8	27·9		
3	2·00 – 3·99	1,734	729	52	782	87	111	1,603	566	189	755	79	105
	%	26·7	36·9	9·7	31·0			24·7	28·6	34·9	30·0		
4	4·00 – 9·99	12,963	621	3,491	4,112	563	137	5,466	411	1,061	1,471	200	136
	%	77·7	100·0	85·3	87·2			32·8	66·1	25·9	31·2		
5	10 & More	2·107	98	561	659	118	179	1,114	109	116	226	46	204
	%	73·5	64·0	77·2	74·9			38·9	71·0	16,0	25.6		
	(All classes)	28,070	2,097	5,632	7,729	1,292	167	11,445	1,638	1,944	3,582	494	138
	%	73·0	55·0	74·9	68·2			29·8	43·0	25·8	31·6		

Table–3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	972	28	306	334	41	123	–	–	–	–	–	–
	%	35·6	100,0	73·5	75·1								
2	1·00 – 1·99	1,923	208	224	431	56	130	–	–	–	–	–	–
	%	19·9	20·1	12.8	15·5								
3	2·00 – 3·99	137	–	52	52	7	133	–	–	–	–	–	–
	%	2·1		9·7	2·1								
4	4·00 – 9·99	3,037	–	1,228	1,228	113	92	–	–	–	–	–	–
	%	18·2		30·0	26·1								
5	10 & More	1,226	26	482	508	75	148	–	–	–	–	–	–
	%	42·8	16·9	66·4	57·7								
	(All classes)	7,295	262	2,292	2,554	292	114	–	–	–	–	–	–
	%	19·0	6·9	30·5	22·5								

EGION–3

Tabel–3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46 + 47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52 + 53)	Kilo Lt	Lt./ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1 00 %	–	–	–	–	–	–	–	–	–	–	–	–
2	1.00 – 1.99 %	–	–	–	–	–	–	–	–	–	–	–	–
3	2.00 – 3.99 %	–	–	–	–	–	–	–	–	–	–	–	–
4	4.00 – 9.99 %	–	–	–	–	–	–	480	–	140	140	–	–
								2·9		3·4	3·0		
5	10 & More %	–	–	–	–	–	–	–	–	–	–	–	–
	(All clasess) %	–	–	–	–	–	–	480	–	140	140	–	–
								1·2		1·9	1·2		

NOTE –

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated area with different input is with respective area under the crop.

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 4 *ESTIMATED IRRIGATED AREA UNDER BAJRI COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,17,018	61,345	–	–	–	–
	%			–	–	–	–
2	1.00 – 1.99	1,34,450	1,98,684	–	–	–	–
	%			–	–	–	–
3	2.00 – 3.99	1,78,036	5,12,083	252	–	138	138
	%			·2	–	100.0	–
4	4.00 – 9.99	1,87,827	11,54,366	2,614	–	2,804	2,804
	%			1·7	–	100.0	·3
5	10 & More	46,364	6,68,203	469	293	314	607
	%			1·3	48·2	51·8	·1
	(All classes)	6,63,695	25,94,681	3,335	293	3,256	3,549
	%			·6	8·2	91·8	·2

Table 4 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
	(All classes)	–	–	–	–	–	–	–	–	–	–	–	–
	%												

REGION–3

Table 4 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%	–											
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%	–											
3	2·00 – 3·99	252	–	138	138	23	166	–	–	–	–	–	–
	%	100·0	–	100·0	100·0								
4	4·00 – 9·99	2,171	–	2,212	2,212	133	60	–	–	–	–	–	–
	%	83·1	–	78·9	78·9								
5	10 & More	469	293	314	607	57	94	43	–	135	135	9	67
	%	100·0	100·0	100·0	100·0			9·2		43·1	22·3		
(All classes)		2,892	293	2,665	2,958	213	72	43	–	135	135	9	67
	%	86·7	100·0	81·8	83·3			1·3		4·2	3·8		

Table 4 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	252	–	138	138	11	79	–	–	–	–	–	–
	%	100·0		100·0	100·0								
4	4·00 – 9·99	2,171	–	2,343	2,343	339	145	–	–	–	–	–	–
	%	83·1		83·6	83·6								
5	10 & More	469	293	314	607	63	104	–	–	–	–	–	–
	%	100·0	100·0	100·0	100·0								
(All classes)		2892	293	2,795	3,088	413	134	–	–	–	–	–	–
	%	86·7	100·0	85·8	87·0								

EGION–3

Table–4 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Dusting					Pesticide by Spraying					
			Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below 1.00 %	–	–	–	–	–	–	–	–	–	–	–	–
2	1.00 – 1.99 %	–	–	–	–	–	–	–	–	–	–	–	–
3	2.00 – 3.99 %	–	–	–	–	–	–	–	–	–	–	–	–
4	4.00 – 9.99 %	–	–	–	–	–	–	–	–	–	–	–	–
5	10 & More %	–	–	–	–	–	–	–	–	–	–	–	–
	(All classes) %	–	–	–	–	–	–	–	–	–	–	–	–

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated area with different input is with respect to respective area under the crop.

REGION–3
(INLAND NORTHERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 5 *ESTIMATED IRRIGATED AREA UNDER KHARIF JOWAR COVERED BY DIFFERENT INPUTS* (Area in hectares)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,17,018	61,345	2,075	385	171	556
	%			2·1	69·2	30,8	1·1
2	1·00 – 1·99	1,34,450	1,98,684	352	170	–	170
	%			·3	100·0	–	·1
3	2·00 – 3·99	1,78,036	5,12,083	3,639	687	1,355	2,041
	%			2·5	33·6	66·4	·5
4	4·00 – 9·99	1,87,827	11,54,366	5,617	3,570	2,610	6,180
	%			3·6	57·8	42·2	·6
5	10 & More	46,364	6,86,203	1,507	704	3,622	4,327
	%			4·1	16·3	83·7	·8
	(All classes)	6,36,696	25,94,681	13,190	5,516	7,758	13,274
	%			2·4	41·6	58·4	·6

Table 5 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
	(All classes)	–	–	–	–	–	–	–	–	–	–	–	–
	%												

REGION–3

Table 5 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00	1,592	385	–	385	66	171	–	–	–	–	–	–
	%	76.9	100.0		69.2								
2	1.00 – 1.99	352	170	–	170	24	141	–	–	–	–	–	–
	%	100.0	100.0		100.0								
3	2.00 – 3.99	1,295	347	–	347	47	135	–	–	–	–	–	–
	%	35.6	50.5		17.0								
4	4.00 – 9.99	4,777	3,570	–	3,570	417	117	1,994	1,917	–	1,917	120	63
	%	85.0	100.0		57.8			35.5	53.7		31.0		
5	10 & More	856	704	–	704	99	141	128	68	–	68	17	249
	%	56.8	100.0		16.3			8.5	9.7		1.6		
(All classes)		8,875	5,176	–	5,176	653	126	2,122	1,986	–	1,986	137	69
	%	67.3	93.8		39.0			16.1	36.0		15.0		

Table 5 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1.00	1,595	385	–	385	79	265	–	–	–	–	–	–
	%	76.9	100.0		69.2								
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	1,295	347	–	347	56	161	–	–	–	–	–	–
	%	35.6	50.5		17.0								
4	4.00 – 9.99	4,382	2,414	2,610	5,024	903	180	–	–	–	–	–	–
	%	78.0	67.6	100.0	81.3								
5	10 & More	662	559	–	559	108	193	–	–	–	–	–	–
	%	43.9	79.3		12.9								
(All classes)		7,934	3,705	2,610	6,315	1,146	181	–	–	–	–	–	–
	%	60.2	67.2	33.6	47.6								

REGION–3

Table 5 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46 + 47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52 + 53)	Kilo Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	1,595	385	–	385	12	31	1,595	385	–	385	2	5
	%	76·9	100·0		69·2			76·9	100·0		69·2		
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	1,295	347	–	347	16	46	1,043	302	–	302	1	3
	%	35·6	50·5		17·0			28·7	43·9		14·8		
4	4.00 – 9·99	2,557	2,157	–	2,157	48	22	2,023	1,635	–	1,635	5	3
	%	45·5	60·4		34·9			36·0	45·8		26·5		
5	10 & More	427	443	–	443	13	29	535	516	–	516	5	10
	%	28·3	63·0		10·2			35·5	73.3		11·9		
(All classes)		5,874	3,332	–	3,332	89	27	5,196	2,837	–	2,837	13	5
	%	44·5	60·4		25·1			39·4	51·4		21·4		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respective area under the crop.

REGION–3
(INLAND NORTHERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 6 *ESTIMATED IRRIGATED AREA UNDER COTTON COVERED BY DIFFERENT INPUTS* : **Area in hectares**

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1·00	1,17,018	61,345	75	16	–	16
	%			·1	100·0		–
2	1·00 – 1·99	1,34,450	1,98,684	752	258	–	258
	%			·7	100·0		·2
3	2·00 – 3·99	1,78,036	5,12,083	2,540	1,415	068	2,482
	%			1·8	57·0	43·0	·6
4	4·00 – 9·99	1,87,827	11,54,366	2,668	1,668	350	2,018
	%			1·7	82·7	17·3	·2
5	10 & More	46,364	6,68,203	1,335	1,962	243	2,205
				3·7	89·0	11·0	·4
(All classes)		6,63,695	25,94,681	7,370	5,318	1,661	6,979
	%			1·4	76·2	23·8	·3

Table 6 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–		
	%												
4	4·00 – 9·99	103	36	–	36	18	499	103	36	–	36	18	499
	%	3·9	2·2		1·8			3·9	2·2		1·8		
5	10 & More	75	150	–	150	4	27	75	150	–	150	4	27
	%	5·6	7·6		6·8			5·6	7·6		6·8		
(All classes)		178	186	–	186	22	118	178	186	–	186	22	118
	%	2·4	3·5		2·7			2·4	3·5		2·7		

REGION–3

Table 6 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22 + 23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28 + 29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	75	16	–	16	4	258	75	16	–	16	3	188
	%	100·0	100·0		100·0			100·0	100·0		100·0		
2	1·00 – 1·99	352	102	–	102	17	166	352	102	–	102	17	166
	%	46·8	39·6		39·6			46·8	39·6		39·6		
3	2·00 – 3·99	2,120	1,415	–	1,415	410	290	2,120	1,415	–	1,415	246	174
	%	83·5	100·0		57·0			83·5	100·0		57·0		
4	4·00 – 9·99	2,520	1,409	333	1,742	286	164	1,470	1,266	–	1,266	255	201
	%	94·5	84·5	95·0	86·3			55·1	75·9		62·7		
5	10 & More	859	1,297	243	1,540	190	123	786	1,213	243	1,456	283	194
	%	64·3	66·1	100·0	69·8			58·9	61·8	100·0	66·0		
	(All classes)	5,926	4,238	576	4,814	907	188	4,803	4,011	243	4,254	804	189
	%	80·4	79·7	34·7	69·0			65·2	75·4	14·6	61·0		

Table 6 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Campost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34 + 35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40 + 41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	75	16	–	16	1	65	–	–	–	–	–	–
	%	100·0	100·0		100·0								
2	1·00 – 1·99	352	102	–	102	7	69	–	–	–	–	–	–
	%	46·8	39·6		39·6								
3	2·00 – 3·99	2,120	1,415	–	1,415	79	56	–	–	–	–	–	–
	%	83·5	100·0		57·0								
4	4·00 – 9·99	1,935	1,403	–	1,403	104	74	–	–	–	–	–	–
	%	72·5	84·1		69·5								
5	10 & More	579	1,197	–	1,197	50	42	–	–	–	–	–	–
	%	43·4	61·0		54·3								
	(All classes)	5,061	4,132	–	4,132	241	58	–	–	–	–	–	–
	%	68·7	77·7		59·2								

REGION–3

Table 6 (Contd,)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1·00	–	–	–	–	–	–	75	16	–	16	–	–
	%							100·0	100.0		100.0		
2	1·00 – 1·99	352	102	–	102	–	–	352	102	–	102	–	–
	%	46·8	39·6		39·6			46·8	39·6		39·6		
3	3·00 – 3·99	898	666	–	666	11	17	1,990	1,321	–	1,321	3	2
	%	35·4	47·1		26·1			78·3	93·4		53.2		
4	4·00 – 9·99	2,115	1,524	–	1,524	13	9	2,038	1,439	–	1,439	2	1
	%	79·3	91·3		75·5			76·4	86·2		71.3		
5	10 & More	511	659	–	659	36	55	840	1,342	–	1,342	19	14
	%	38·3	33·6		29·9			62·9	68.4		60·8		
	(All classes)	3,876	2,950	–	2,950	60	20	5,295	4,219	–	4,219	24	6
	%	52·6	55·5		42.3			71·8	79·3		60.5		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H· Y· V· & other variety is with respect to total area under the crop·

3) Percentage of treated area under H· Y· V., other variety & total area treated with different input is with respect to respective area under the crop·

REGION-3
(INLAND NORTHERN)

AGRICULTURAL CENSUS 1976-77. MAHARASHTRA STATE

Table 7 *ESTIMATED IRRIGATED AREA UNDER RABI JOWAR COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,17,018	61,345	–	–	–	–
	%						
2	1.00 – 1.99	1,34,450	1,98,684	309	124	–	124
	%			·3	100·0		·1
3	2.00 – 3.99	1,78,036	5,12,083	880	786	–	786
	%			·6	100·0		·2
4	4.00 – 9.99	1,87,827	11,54,366	1,887	1,930	802	2,733
	%			1·2	70·6	29·4	·3
5	10 & More	46,364	6,68,203	1,520	974	640	1,613
	%			4·2	60·4	39·6	·3
(All classes)		6,63,695	25,94,681	4,596	3,813	1,442	5,255
	%			·8	72·6	27·4	·2

Table 7 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	98	125	–	125	10	80	55	8	–	8	2	242
	%	11·1	15·9		15·9			6·3	1·0		1·0		
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
(All classes)		98	125	–	125	10	80	55	8	–	8	2	242
	%	2·1	3·3		2·4			1·2	·2		·2		

REGION–3

Table–7 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilisers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	622	562	–	562	86	153	55	8	–	8	1	121
	%	70.7	71.5		71.5			6.3	1.0		1.0		
4	4.00 – 9.99	868	1,387	–	1,387	99	71	155	28	–	28	5	179
	%	46.0	71.9		50.8			8.2	1.5		1.0		
5	10 & More	280	630	80	710	104	146	685	344	–	344	54	157
	%	18.4	64.7	12.5	44.0			45.1	35.3		21.3		
(All classes)		1,770	2,579	80	2,659	289	109	895	380	–	380	60	158
	%	38.5	67.6	5.6	50.6			19.5	10.0		7.2		

Table 7 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Camposi & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	727	653	–	653	52	80	–	–	–	–	–	–
	%	82.6	83.1		83.1								
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	943	848	559	1,407	279	198	–	–	–	–	–	–
	%	62.0	87.0	87.5	87.2								
(All classes)		1,670	1,500	559	2,060	331	161	–	–	–	–	–	–
	%	36.3	39.3	38.8	39.2								

REGION–3

Table 7 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Dusting: Area treated H.Y.V.	Pesticide by Dusting: Area treated Others	Pesticide by Dusting: Area treated Total (46+47)	Pesticide by Dusting: Quantity Applied Total M.T.	Pesticide by Dusting: Quantity Applied Kg/ha 49/48	Pesticide by Spraying: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Spraying: Area treated H.Y.V.	Pesticide by Spraying: Area treated Others	Pesticide by Spraying: Area treated Total (52+53)	Pesticide by Spraying: Quantity Applied Kilo. Lt.	Pesticide by Spraying: Quantity Applied Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
4	4.00 – 9.99	713	1,359	–	1,359	25	18	296	508	–	508	–	–
		37.8	70.4		49.7			15.7	26.3		18.6		
5	10 & More	354	35	–	35	18	509	403	708	–	708	1	1
		23.3	3.6		2.2			26.5	72.8		43.9		
(All classes)		1,067	1,394	–	1,394	43	31	699	1,216	–	1,216	1	1
%		23.2	36.6		26.5			15.2	31.9		23.1		

NOTE –

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respective area under the crop.

REGION-3
(INLAND NORTHEN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–8 *ESTIMATED IRRIGATED AREA UNDER WHEAT COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below– 1.00	1,17,018	61,345	16,434	4,001	1,009	5,010
	%			16·7	79·9	20·1	10·1
2	1·00 – 1·99	1,34,450	1,98,684	22,008	8,332	1,953	10,286
	%			19·8	81·0	19·0	6·3
3	2·00 – 3·99	1,78,036	5,12,083	30,527	10,083	7,133	17,216
	%			21·2	58·6	41·4	4·2
4	4·00 – 9·99	1,87,827	11,54,366	56,269	30,517	13,524	44,041
	%			36·3	69·3	30·7	4·6
5	10 & More	46,364	6,68,203	14,378	17,630	4,114	21,744
	%			39·3	81·1	18·9	4·0
	(All classes)	6,63,695	25,94,681	1,39,616	70,564	27,733	98,297
	%			25·6	71·8	28·2	4·6

Table–8 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10 + 11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16 + 17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	1,320	551	–	551	64	116	1,143	392	–	392	107	273
	%	8·0	13·8		11·0			7·0	9·8		7·8		
2	1·00 – 1·99	1,442	1,655	–	1,655	185	112	2,356	1,958	50	2,007	186	93
	%	6·6	19·9		16·1			10·7	23·5	2·5	19·5		
3	2·00 – 3·99	943	377	–	377	47	125	469	306	–	306	33	108
	%	3·1	3·7		2·2			1·5	3·0		1·8		
4	4·00 – 9·99	1,547	1,974	–	1,974	187	95	3,646	3,056	250	3,306	224	68
	%	2·7	6·5		4·5			6·5	10·0	1·8	7·5		
5	10 & More	253	152	–	152	25	165	332	233	–	233	37	159
	%	1·8	·9		·7			2·3	1·3		1·1		
	(All classes)	5,505	4,708	–	4,708	508	108	7,946	5,944	300	6,243	587	94
	%	3·9	6·7		4·8			5·7	8·4	1·1	6·4		

REGION–3

Table 8 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	14,593	3,828	665	4,493	923	205	3,541	949	477	1,426	233	163
	%	88·8	95·7	65·9	89·7			21·5	23·7	47·3	28·5		
2	1·00 – 1·99	18,959	8,122	1,077	9,198	1,464	159	5,537	1,858	124	1,981	392	198
	%	86·1	97·5	55·1	89·4			25·2	22·3	6·3	19·3		
3	2·00 – 3·99	25,980	9,756	4,590	14,345	2,219	155	11,605	5,312	2,280	7,592	1,251	165
	%	85·1	96·8	64·3	83·3			38·0	52·7	32·0	44·1		
4	4·00 – 9·99	43,173	23,923	9,325	33,248	4,434	133	20,580	10,663	4,685	15,348	2,730	178
	%	76·7	78·4	69·0	75·5			36·6	34·9	34·6	34·9		
5	10 & More	10,764	16,554	2,524	19,078	2,326	122	6 329	5,831	1,747	7,578	1,038	137
	%	74·9	93·9	61·3	87·7			44·0	33·1	42·5	34·9		
	(All classes)	1,13,469	62,182	18,180	80,363	11,366	141	47,592	24,613	9,313	33,926	5,644	166
	%	81·3	88·1	65·6	81·8			34·1	34·9	33·6	34·5		

Table 8 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	1,519	517	–	517	55	106	–	–	–	–	–	–
	%	9·2	12·9		10·3								
2	1·00 – 1·99	5,271	2,199	–	2,199	498	226	130	159	–	159	8	50
	%	24·0	26·4		21·4			·6	1·9		1·5		
3	2·00 – 3·99	4,141	2,508	31	2,540	947	373	–	–	–	–	–	–
	%	13·6	24·9	·4	14·8								
4	4·00 – 9·99	12,505	7,327	981	8,309	788	95	–	–	–	–	–	–
	%	22·2	24·0	7·3	18·9								
5	10 & More	2,627	2,517	65	2,582	102	40	–	–	–	–	–	–
	%	18·3	14·3	1·6	11·9								
	(All classes)	26,063	15,069	1,077	16,146	2,390	148	130	159	–	159	8	50
	%	18·7	21·4	3·9	16·4			·1	·2		·2		

REGION–3

Table 8 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Bleow 1·00	100	35	–	35	1	29	175	57	–	57	–	–
	%	·6	·9		·7			1·1	1·4		1.1		
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	546	437	–	437	9	21	2,301	1,460	–	1,460	3	2
	%	1·8	4·3		2·5			7·5	14·5		8·5		
4	4·00 – 9·99	2,037	1,310	–	1,310	23	18	4,501	2,717	1,056	3,773	5	1
	%	3·6	4·3		3·0			8·0	8·9	7·8	8·6		
5	10 & More	765	753	–	753	93	124	1,032	1,131	52	1,182	2	2
	%	5·3	4·3		3·5			7·2	6·4	1·3	5·4		
	(All Classes)	3,448	2,535	–	2,535	126	50	8,009	5,364	1,108	6,472	10	2
		2·5	3·6		2·6			5·7	7·6	4·0	6·6		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H· Y· V· & other variety is with respect to total area under the crop·

3) Percentage of treated area under H· Y· V., other variety & total area treated with different input is with respect to respective area under the crop·

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–9 *ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT CHEMICAL FERTILIZERS IN IRRIGATED AREA*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Irrigated Area under selected Crops	Ammonium Sulphate				Super Phosphate			
		Number	Area			No. of Holdings	S.E.	Area	S.E.	No. of Holdings	S.E. % S.E.	Area	S.E.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Below –1·00	1,17,018	61,345	18,441	6,026	1,320	963	551	431	1,143	403	392	120
	%			18·8	12·1	7·2	73·0	9·1	78·3	6·2	35·3	6·5	30·5
2	1·00 – 1·99	1,34,450	1,98,684	25,114	13,616	1,442	1,298	1,655	1,481	2,356	1,145	2,007	1,358
	%			22·6	8·4	5·7	90·0	12·2	89·5	9·4	48·6	14·7	67·7
3	2·00 – 3·99	1,78,036	5,12,083	32,745	25,182	1,041	936	502	392	469	354	314	207
	%			22·8	6·1	3·2	89·9	2·0	78·2	1·4	75·5	1·2	66·0
4	4·00 – 9·99	1,87,827	11,54,366	60,775	62,488	2,970	1,521	2,273	1,367	3,749	1,800	3,342	2,111
	%			39·2	6·5	4·9	51·2	3·6	60·1	6·2	48·0	5·3	63·2
5	10 & More	46,364	6,68,203	16,273	31,375	328	250	302	150	407	230	383	156
	%			44·5	5·8	2·0	76·2	1·0	49·7	2·5	56·5	1·2	40·7
	(All Classes)	6,63,695	25,94,681	1,53,348	1,38,687	7,101	2,421	5,282	2,103	8,124	2,212	6,438	2,527
				28·1	6·5	4·6	34·1	3·8	39·8	5·3	27·2	4·6	39·3

Table–9 (Contd.)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Irrigated Area under selected Crops	Chemical Fertilizers							
						Urea				Other Chemical Fertilizers			
		Number	Area			No. of Holdings	S.E.	Area	S.E.	No. of Holdings	S.E.	Area	S.E.
1	2	3	4	5	6	15	16	17	18	19	20	21	22
1	Below– 1·00	1,17,018	61,345	18,441	6,026	16,180	3,836	5,290	1,657	3,541	1,414	1,796	607
	%			18·8	12·1	87·7	23·7	87·8	31·3	19·2	39·9	29·8	40·8
2	1·00 – 1·99	1,34,450	1,98,684	25,114	13,616	21,022	4,445	11,249	2,981	5,909	2,662	2,859	1,172
	%			22·6	8·4	83·7	21·1	82·6	26·5	23·5	45·0	21·0	41·0
3	2·00 – 3·99	1,78,036	5,12,083	32,745	25,182	26,827	5,847	17,589	4,347	12,697	4,210	9,770	3,632
	%			22·8	6·1	81·9	21·8	69·8	24·7	38·8	33·2	38·8	37·2
4	4·00 – 9·99	1,87,827	11,54,366	60,775	62,488	45,969	6,510	46,270	6,905	23,434	4,432	20,030	51,40
	%			39·2	6·5	75·6	14·2	74·0	14·9	38·6	18·9	32·0	25·8
5	10 & More	46,364	6,68,203	16,273	31,375	11,510	1,742	23,297	6,928	7,301	1,305	9,807	2,009
	%			44·5	5·8	70·7	15·1	74·3	29·7	44·9	17·9	31·2	21·0
	(All classes)	6,63,695	25,94,681	1,53,348	1,38,687	1,21,508	10,681	1,03,695	11,234	52,882	6,939	44,263	6,737
				28·1	6·5	79·2	8·8	74·8	10·8	34·5	13·1	31·9	15·5

REGION–3
(INLAND NORTHERN)
Table–9 A

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT ORGANIC MANURES AND PESTICIDES IN IRRIGATED AREAS

(Area in hectares)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Irrigated Area under selected Crops	No. of Holdings and Area benefitted by Organic Manures					
						Organic Manures				Pesticides	
						Farm yard Manure		Compost		Pesticides	
		Number	Area			No. of Holdings	Area	No. of Holdings	Area	No. of Holdings	Area
1	2	3	4	5	6	23	24	25	26	27	28
1	Below– 1·00	1,17,018	61,345	18,441	6,026	4,086	1,251	–	–	1,795	459
	%			18·8	12·1	22·2	20·8			9·7	7·6
2	1·00 – 1·99	1,34,450	1,98,684	25,114	13,616	6,429	2,733	130	159	352	102
	%			22·6	8·4	25·6	20·1	·5	1·2	1·4	·8
3	2·00 – 3·99	1,78,036	5·12·083	32,745	25,182	7,190	5,145	–	–	5,040	3,564
	%			22·8	6·1	22·0	20·4			15·4	14·2
4	4·00 – 9·99	1,87,827	11,54,366	60,775	62,488	20,409	18,306	–	–	9,607	9,179
	%			39·2	6·5	33·6	29·3			15·8	14·7
5	10 & More	46,364	6,68,203	16,273	31,375	4,861	6,858	–	–	3,454	4,283
	%			44·5	5·8	29·9	21·9			21·2	13·7
	(All classes)	6,63,695	25,94,681	1,53,348	1,38,687	42,975	34,292	130	159	20,248	17,588
	%			28·1	6·5	28·0	24·7	·1	·1	13·2	12·7

Table–10 *ESTIMATED NUMBER AND AREA OF HOLDINGS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES AND PESTICIDES IN UNIRRIGATED AREAS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Gross area under selected Crops	Chemical Fertilizers		Organic Manures		Pesticides	
		Number	Area			No. of Holdings benefited	Area Treated	No. of Holdings benefited	Area Treated	No. of Holdings benefited	Area Treated
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,17,018	61,345	83,515	40,968	34,544	16,985	20,907	9,641	551	224
	%			85·0	82·5	41·4	41·5	25·0	23·5	·7	·5
2	2·00 – 1·99	1,34,450	1,98,684	1,02,528	1,07,629	45,053	44,181	30,702	24,831	11,633	8,674
	%			92·2	66·1	43·9	41·0	29·9	23·1	11·3	8·1
3	2·00 – 3·99	1,78,036	5,12,083	1,33,760	2,51,999	57,041	84,632	34,678	43,245	10,407	10,151
	%			93·0	61·2	42·6	33·6	25·9	17·2	7·8	4·0
4	4·00 – 9·99	1,87,827	11,54,366	1,47,469	5,02,274	77,420	1,93,392	54,391	1,35,367	19,917	35,129
	%			95·6	52·6	52·5	38·5	36·9	27·0	13·5	7·0
5	10 & More	46,364	6,68,203	34,881	2,62,924	19,910	95,166	16,667	1,23,256	4,922	13,665
	%			95·4	48·6	57·1	36·2	47·8	46·9	14·1	5·2
	(All classes)	6,63,695	25,94,681	5,02,153	11,65,795	2,33,968	4,34,355	1,57,345	3,36,341	47,430	67,842
	%			92·3	55·0	46·6	37·3	31·3	28·9	9·4	5·8

Table 10 'A'

Area in hectares

Sr. No.	Size Class of Holdings	No. of holdings growing one or more selected Crops & Gross unirrigated area		Chemical Fertilizers		Organic Manure		Pesticide	
		No. S.E.	Area S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.
1	2	3	4	5	6	7	8	9	10
1	Below – 1·00	12,973	7,869	7,886	4,828	5,000	2,878	370	131
	%	15·5	19·2	22·8	28·4	23·9	29·9	67·2	58·7
2	1·00 – 1·99	11,346	13,940	7,329	9,258	4,433	3,352	3,205	2,672
	%	11·1	13·0	16·3	21·0	14·4	13·5	27·6	30·8
3	2·00 – 3·99	13,133	33,545	10,813	17,894	4,262	4,976	3,490	4,095
	%	9·8	13·3	19·0	21·1	12·3	11·5	33·5	40·3
4	4·00 – 9·99	9,665	38,833	13,192	33,093	5,785	16,562	4,930	9,823
	%	6·6	7·7	17·0	17·1	10·6	12·2	24·8	28·0
5	10 & More	3,177	25,885	3,277	18,766	2,790	15,980	1,151	4,669
	%	9·1	9·8	16·5	19·7	16·7	13·0	23·4	34,2
	(All Classes)	23,938	59,662	20,435	43,319	10,201	23,957	6,944	11,925
	%	4·8	5.1	8·7	10·0	6·5	7·1	14·6	17·6

REGION-3
(INLAND NORTHERN)

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table 11 *ESTIMATED UNIRRIGATED AREA UNDER PADDY COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,17,018	61,345	13,789	98	4,687	4,785
	%			14.0	2.0	98.0	9.6
2	1.00 – 1.99	1,34,450	1,98,684	13,786	238	6,343	6,581
	%			12.4	3.6	96.4	4.0
3	2.00 – 3.99	1,78,036	5,12,083	26,034	714	12,368	13,082
	%			18.1	5.5	94.5	3.2
4	4.00 – 9.99	1,87,827	11,54,366	38,614	958	23,012	23,970
	%			25.0	4.0	96.0	2.5
5	10 & More	46,364	6,68,203	10,464	321	11,439	11,760
	%			28.6	2.7	97.3	2.2
	(All classes)	6,63,695	25,94,681	1,02,687	2,330	57,849	60,179
	%			18.9	3.9	96.1	2.8

Table 11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	660	–	74	74	17	231	660	–	167	167	13	78
	%	4.8		1.6	1.5			4.8		3.6	3.5		
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	651	–	326	326	33	101	110	54	–	54	9	165
	%	2.5		2.6	2.5			.4	7.6		.4		
4	4.00 – 9.99	504	244	795	1,039	65	63	239	33	–	33	6	181
	%	1.3	25.4	3.5	4.3			.6	3.5		.1		
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
	(All classes)	1,815	244	1,194	1,438	115	80	1,009	88	167	255	28	110
	%	1.8	10.5	2.1	2.4			1.0	3.8	.3	.4		

REGION–3

Table–11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Others	Total (22+23)	Quantity Applied Total M.T.	Kg/ha 25/24	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Others	Total (28+29)	Quantity Applied Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00	6,473	–	2,943	2,943	404	137	1,219	–	823	823	114	139
	%	46.9		62.8	61.5			8.8		17.6	17.2		
2	1·00 – 1·99	2,940	125	1,839	1,964	316	161	1,550	62	1,065	1,128	143	127
	%	21.3	52.4	29.0	29.8			11.2	26.2	16.8	17.1		
3	2.00 – 3.99	7,909	491	4,603	5,094	700	137	2,844	261	2,472	2,732	208	76
	%	30.4	68.8	37.2	38.9			10.9	36.5	20.0	20.9		
4	4.00 – 9.99	8,386	256	7,533	7,789	692	89	2,983	517	2,675	3,493	245	70
	%	21.7	26.7	32.7	32.5			7.7	85.3	11.6	14.6		
5	10 & More	3,804	251	5,975	6,226	364	58	930	141	2,442	2,583	190	74
	%	36.4	78.0	52.2	52.9			8.9	43.9	21.3	22.0		
	(All classes)	29,512	1,123	22,892	24,015	2,476	103	9,526	1,282	9,477	10,759	900	84
	%	28.7	48.2	39.6	39.9			9.3	55.0	16.4	17.9		

Table–11 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Campost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Others	Total (34+35)	Quantity Applied Total 00 M.T.	qt/ha 37/36	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Others	Total (40+41)	Quantity Applied Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1.00	4,535	–	2,145	2,145	149	69	–	–	–	–	–	–
	%	32.9		45.8	44.8								
2	1.00 – 1.99	3,939	62	2,301	2,363	72	30	–	–	–	–	–	–
	%	28.6	26.2	36.3	35.9								
3	2.00 – 3.99	6,814	46	4,291	4,338	247	57	–	–	–	–	–	–
	%	26.2	6.5	34.7	33.2								
4	4.00 – 9.99	7,262	244	5,344	5,589	304	54	–	–	–	–	–	–
	%	18.8	25.5	23.2	23.3								
5	10 & More	2,634	32	5,348	5,379	235	44	–	–	–	–	–	–
	%	25.2	9.8	46.8	45.7								
	(All Classes)	25,184	385	19,430	19,814	1,007	51	–	–	–	–	–	–
	%	24.5	16.5	33.6	32.9								

REGION–3

Table–11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00 %	–	–	–	–	–	–	–	–	–	–	–	–
2	1.00 – 1.99 %	–	–	–	–	–	–	–	–	–	–	–	–
3	2.00 – 3.99 %	–	–	–	–	–	–	–	–	–	–	–	–
4	4.00 – 9.99 %	–	–	–	–	–	–	–	–	–	–	–	–
5	10 & More %	–	–	–	–	–	–	–	–	–	–	–	–
	(All classes) %	–	–	–	–	–	–	–	–	–	–	–	–

NOTE –

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respective area under the crop.

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

REGION–3
(INLAND NORTHERN)
Table–12

ESTIMATED UNIRRIGATED AREA UNDER BAJRI COVERED BY DIFFERENT INPUTS

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,17,018	61,345	27,439	6,504	6,633	13·137
	%			27·9	49·5	50·5	26,5
2	1.00 – 1.99	1,34,450	1,98,684	41,237	22,611	18,163	40,774
	%			37·1	55·5	44·5	25·0
3	2.00 – 3.99	1,78,036	5,12,083	71,180	47,415	57,220	1,04,635
	%			49·5	45·3	54·7	25·4
4	4.00 – 9.99	1,87,827	11,54,366	85,518	1,05,103	1,27,530	2,32,633
	%			55·4	45·2	54·8	24·3
5	10 & More	46,364	6,58,203	20,114	47,550	81,624	1,29,175
	%			55·0	36·8	63·2	23·9
	(All classes)	6 63,695	25,94,681	2,45,488	2,29,183	2,91,170	5,20,353
	%			45·1	44·0	56·0	24·5

Table 12 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10 + 11)	Total M.T	Kg/ha 13/12		H.Y.V.	Others	Total (16 + 17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	501	164	–	164	19	116	1,068	225	102	327	40	122
	%	1·8	2·5		1·2			3·9	3·5	1·5	2·5		
2	1·00 – 1·99	130	101	–	101	12	119	1,203	1,285	–	1,285	122	95
	%	·3	·4		·2			2·9	5·7		3·2		
3	2·00 – 3·99	2,260	1,558	101	1,660	188	113	2,623	3,827	56	3,882	350	90
	%	3·2	3·3	·2	1·6			3·7	8·1	·1	3·7		
4	4.00 – 9·99	4,102	6,509	–	6,509	209	32	6,876	14,579	173	14,753	760	52
	%	4·8	6·2		2·8			8·0	13,9	·1	6·3		
5	10 & More	2,086	7,829	–	7,829	414	53	1,683	5,486	–	5,846	472	81
	%	10·4	16·5		6·1			8·4	12·3		4·5		
	(All classes)	9,079	16,161	101	16,262	842	52	13,453	25,762	331	26,093	1,744	67
	%	3·7	7·1		3·1			5·5	11·2	·1	5·0		

REGION–3

Table–12 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	5,693	745	1,356	2,102	262	125	2,994	778	591	1,369	123	90
	%	20·7	11·5	20·4	16·0			10·9	12·0	8·9	10·4		
2	1·00 – 1·99	13,260	9,112	1,211	10,323	580	56	9,079	8,449	150	8,599	582	68
	%	32·2	40·3	6·7	25·3			22·0	37·4	·8	21·1		
3	2·00 – 3·99	21,074	13,144	5,387	18,531	1,442	78	9,108	12,146	1,348	13,494	1,158	86
	%	29·6	27·7	9·4	17·7			12·8	25·6	2·4	12,9		
4	4·00 – 9·99	34,750	59,113	15,285	74,398	5,294	71	17,826	26,279	13,542	39,822	3,818	96
	%	40·6	56·2	12·0	32·0			20·8	25·0	10·6	17·1		
5	10 & More	8,128	19,533	4,425	23,958	1,461	61	3,587	8,895	3,290	82,185	1,248	102
	%	40·4	41·1	5·4	18·5			17·8	18·7	4·0	9·4		
	(All classes)	82,905	1,01,648	27,664	1,29,311	9,039	70	42,594	56,548	18,922	75,470	6,929	91
	%	33·8	44·4	9·5	24·9			17·4	24·7	6·5	14·5		

Table–12 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	5,489	356	1,714	2,069	255	123	–	–	–	–	–	–
	%	20·0	5·5	25·8	15·8								
2	1·00 – 1·99	14,705	5,302	6,593	11,895	873	73	191	–	158	158	10	63
	%	35·7	23·4	36.3	29·2			·5		·9	·4		
3	2·00 – 3·99	19,555	5,091	16,686	21,777	1,462	67	–	–	–	–	–	–
	%	27·5	10·7	29·2	20·8								
4	4·00 – 9·99	27,906	25,863	43,679	69,541	7,247	104	–	–	–	–	–	–
	%	32·6	24·6	34·2	29·9								
5	10 & More	11,215	23,634	64,323	87,957	4,048	46	–	–	–	–	–	–
	%	55·8	49·7	78·8	68·1								
	(All classes)	78,870	60,244	1,32,995	1,93,239	13,885	72	191	–	158	158	10	63
	%	32·1	26·3	45·7	37.1			·1		·1			

REGION–3

Table–12 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting: No. of Holdings treated (% w.r.t. col. 5)	Area treated: H.Y.V.	Area treated: Others	Area treated: Total (46+47)	Quantity Applied: Total M.T.	Quantity Applied: Kg/ha 49/48	Pesticide by Spraying: No. of Holdings treated (% w.r.t. col. 5)	Area treated: H.Y.V.	Area treated: Others	Area treated: Total (52+53)	Quantity Applied: Kilo Lt.	Quantity Applied: Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below– 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%							–	–	–	–		
2	1·00 – 1·99	234	101	23	124	2	16	–	–	–	–	–	–
	%	·6	·4	·1	·3			–	–	–	–		
3	2·00 – 3·99	2,953	1,246	53	1,300	32	25	755	302	–	302	2	7
	%	4·1	2·6	·1	1·2			1·1	·6	–	·3		
4	4·00 – 9·99	2,377	3,712	139	3,850	253	66	904	2,322	–	2,322	3	1
	%	2·8	3·5	·1	1·7			1·1	2·2	–	1·0		
5	10 & More	723	848	339	1,187	20	17	75	30	–	30	–	–
	%	3·6	1·8	·4	·9			·4	·1	–	–		
	(All size classes)	6,287	5,906	555	6,461	307	48	1,734	2,654	–	2,654	5	2
	%	2·6	2·6	·2	1·2			·7	1·2		·5		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 13 *ESTIMATED UNIRRIGATED AREA UNDER KHARIF JOWAR COVERED BY DIFFERENT INPUTS* Area in hectores

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,17,018	61,345	31,683	7,836	4,744	12,580
	%			32.2	62.3	37.7	25.3
2	1.00 – 1.99	1,34,450	1,98,684	44,822	18,603	11,588	30,192
	%			40.3	61.6	38.4	18.5
3	2.00 – 3.99	1,78,036	5,12,083	64,373	44,198	19,710	63,908
	%			44.8	69.2	30.8	15.5
4	4.00 – 9.99	1,87,827	11,54,366	82,615	73,744	49,529	1,23,273
	%			53.5	59.8	40.2	12.9
5	10 & More	46,364	6,68,203	21,196	40,255	22,907	63,162
	%			58.0	63.7	36.3	11.7
	(All classes)	6,63,695	25,94,681	2,44,689	1,84,636	1,08,478	2,93,115
	%			45.0	63.0	37.0	13.8

Table 13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
9		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	1,814	512	19	530	67	126	–	–	–	–	–	–
	%	5.7	6.5	.4	4.2			–	–	–	–		
2	1.00 – 1.99	1,215	832	–	832	91	109	1,315	693	268	961	69	72
	%	2.7	4.5	–	2.8			2.9	3.7	2.3	3.2		
3	2.00 – 3.99	1,078	1,020	–	1,020	122	120	922	1,306	–	1,306	169	129
	%	2.6	2.3	–	1.6			1.4	3.0	–	2.0		
4	4.00 – 9.99	784	380	354	735	95	129	823	258	2,375	2,634	167	63
	%	.9	.5	.7	.6			1.0	.4	4.8	2.1		
5	10 & More	341	328	130	458	17	37	682	1,993	–	1,993	409	205
	%	1.6	.8	.6	.7			3.2	5.0	–	3.2		
	(All classes)	5,832	3,072	503	3,575	392	110	3,742	4,250	2,644	6,894	814	118
	%	2.4	1.7	.5	1.2			1.5	2.3	2.4	2.4		

REGION–3

Table–13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below– 1·00	7,852	3,818	101	3,919	542	138	4,671	1,238	639	1,877	331	176
	%	24·8	48·7	2·1	31·2			14·7	15·8	13·5	14·9		
2	10·0 – 1·99	17,958	10,649	1,740	12,389	1,631	132	7,422	4,290	212	4,502	696	155
	%	40·1	57·2	15·0	41·0			16·6	23·1	1·8	14·9		
3	2·00 – 3·99	29,229	24,779	4,251	29,030	3,207	110	10,066	7,016	148	7,163	1,199	167
	%	45.4	56·1	21·6	45·4			15·6	15·9	·7	11·2		
4	4·00 – 9·99	28,558	36,029	5,481	41,509	4,293	103	11,217	9,385	1,958	11,342	1,571	139
	%	34·6	48·9	11·1	33·7			13·6	12·7	4·0	9·2		
5	10 & More	10,882	28,723	3,510	32,234	3,157	98	3,552	6,241	1,221	7,462	1,144	153
	%	51·3	71·4	15·3	51·0			16·8	15·5	5·3	11·8		
	(All classes)	94,479	1,03,999	15,082	1,19,081	12,830	108	36,928	28,169	4,177	32,346	4,941	153
	%	38·6	56·3	13·9	40·6			15·1	15·3	3·9	11·0		

Table 13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Campost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	6,538	1,068	995	2,064	198	96	–	–	–	–	–	–
	%	20·6	13·6	21·0	16·4								
2	1·00 – 1·99	13,858	5,580	2,420	8,000	474	59	–	–	–	–	–	–
	%	30·9	30·0	20·9	26·5								
3	2·00 – 3·99	10,699	8,536	1,181	9,716	709	73	–	–	–	–	–	–
	%	16·6	19·3	6·0	15·2								
4	4·00 – 9·99	24,747	21,904	10,436	32,340	3,550	110	–	–	–	–	–	–
	%	30·0	29·7	21·1	26·2								
5	10 & More	7,302	15,915	1,929	17,844	676	38	–	–	–	–	–	–
	%	34·4	39·5	8·4	28·3								
	(All classes)	63,144	53,003	16,961	69,964	5,607	80	–	–	–	–	–	–
	%	25·8	28·7	15·6	23·9								

REGION–3

Table 13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	421	124	–	124	3	24	–	–	–	–	–	–
	%	1.3	1.6	–	1.0			–	–	–	–		
2	1.00 – 1.99	7,314	5,087	469	5,556	184	33	2,486	1,814	–	1,814	2	1
	%	16.3	27.3	4.0	18.4			5.5	9.7	–	6.0		
3	2.00 – 3.99	6,762	5,517	633	6,149	301	49	3,712	2,525	–	2,525	4	2
	%	10.5	12.5	3.2	9.6			5.8	5.7	–	4.0		
4	4.00 – 9.99	13,077	15,747	4,338	20,085	611	30	5,189	6,531	–	6,531	5	1
	%	15.8	21.4	8.8	16.3			6.3	8.9	–	5.3		
5	10 & More	3,850	7,454	485	7,940	174	22	2,463	4,997	120	5,117	3	1
	%	18.2	18.5	2.1	12.6			11.6	12.4	.5	8.1		
	(All classes)	31,424	33,928	5,925	39,853	1,273	32	13,850	15,866	120	15,986	14	1
	%	12.8	18.4	5.5	13.6			5.7	8.6	.1	5.5		

NOTE :-

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 14 *ESTIMATED UNIRRIGATED AREA UNDER COTTON COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1·00	1,17,018	61,345	710	173	323	496
	%			·7	34·9	65·1	1·0
2	1.00 – 1.99	1,34,450	1,98,684	5,941	2,039	3,372	5,411
	%			5·3	37·7	62·3	3·3
3	2.00 – 3.99	1,78,036	5,12,083	15,478	6,417	12,301	18,719
	%			10·8	34·3	65·7	4·5
4	4.00 – 9.99	1,87,827	11,54,366	21,291	10,250	27,884	38,134
	%			13·8	26·9	73·1	4·0
5	10 & More	46,364	6,68,203	6,951	6,409	12,801	19,210
	%			19·0	33·4	66·6	3·6
	(All classes)	6,63,695	25,94,681	50,371	25,288	56,681	81,970
	%			9·3	30·9	69·1	3·9

Table 14 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%	–	–	–	–			–	–	–	–		
2	1·00 – 1·99	130	23	–	23	6	256	938	23	673	697	46	66
	%	2·2	1·1	–	·4			15·8	1·1	20·0	12·9		
3	2·00 – 3·99	104	61	–	61	10	163	1,749	702	–	702	176	251
	%	·7	1·0	–	·3			11·3	10·9	–	3·8		
4	4·00 – 9·99	2,532	1,440	3,038	4,478	403	90	1,698	1,396	765	2,161	614	284
	%	11·9	14·1	10·9	11·7			8·0	13·6	2·7	5·7		
5	10 & More	188	75	405	480	68	142	495	350	589	938	159	169
	%	2·7	1·2	3·2	2·5			7·1	5·5	4·6	4·9		
	(All classes)	2,954	1,600	3,443	5,043	487	97	4,880	2,472	2,027	4,499	995	221
	%	5·9	6·3	6·1	6·2			9·7	9·8	3·6	5·5		

REGION–3

Table 14 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below– 1.00	529	173	234	407	61	150	51	–	17	17	2	115
	%	74.5	100.0	72.5	82.1			7.2	–	5.4	3.5		
2	1.00 – 1.99	4,802	1,780	2,644	4,424	623	141	613	289	84	373	40	107
	%	80.8	87.3	78.4	81.8			10.3	14.2	2.5	6.9		
3	2.00 – 3.99	5,985	4,420	3,068	7,488	882	118	2,237	2,169	1,062	3,232	463	143
	%	38.7	68.9	24.9	40.0			14.5	33.8	8.6	17.3		
4	4.00 – 9.99	12,735	7,851	17,260	25,110	3,232	129	4,766	4,048	2,004	6,052	624	103
	%	59.8	76.6	61.9	65.8			22.4	39.5	7.2	15.9		
5	10 & More	2,181	3,433	1,529	4,962	723	146	2,698	2,168	3,601	5,769	713	124
	%	31.4	53.6	11.9	25.8			38.8	33.8	28.1	30.0		
(All classes)		26,232	17,657	24,735	42,393	5,521	130	10,365	8,674	6,760	15,443	1,842	119
	%	52.1	69.8	43.6	51.7			20.6	34.3	11.9	18.8		

Table 14 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below– 1.00	181	–	118	118	3	26	–	–	–	–	–	–
	%	25.5	–	36.4	23.7								
2	1.00 – 1.99	1,438	598	661	1,259	29	23	–	–	–	–	–	–
	%	24.2	29.3	19.6	23.3								
3	2.00 – 3.99	4,917	2,770	2,245	5,015	548	109	–	–	–	–	–	–
	%	31.8	43.2	18.2	26.8								
4	4.00 – 9.99	6,443	1,705	11,578	13,283	794	60	2,625	–	3,552	3,552	650	183
	%	30.3	16.6	41.5	34.8			12.3		12.7	9.3		
5	10 & More	3,704	4,260	4,043	8,302	511	62	388	–	1,310	1,310	146	111
	%	53.3	66.5	31.6	43.2			5.6		10.2	6.8		
(All classes)		16,683	9,333	18,644	27,977	1,885	67	3,013	–	4,861	4,861	796	164
	%	33.1	36.9	32.9	34.1			6.0		8.6	5.9		

REGION–3

Table–14 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	–	–	–	–	–	–	130	–	100	100	–	–
	%	–	–	–	–			18·3	–	31·0	20·2		
2	1.00 – 1.99	2,061	1,465	–	1,465	64	44	804	391	–	391	–	–
		34·7	71·8	–	27·1			13·5	19·2	–	7·2		
3	2.00 – 3.99	–	–	–	–	–	–	329	391	–	391	–	–
	%	–	–	–	–			2·1	6·1	–	2·1		
4	4.00 – 9.99	3,784	2,474	1,185	3,659	136	37	4,000	4,694	2,505	7,199	19	3
		17·8	24·1	4·2	9·6			18·8	45·8	9·0	18·9		
5	10 & More	1,120	2,396	223	2,619	55	21	1,131	2,497	88	2,585	1	–
	%	16·1	37·4	1·7	13·6			16·3	39·0	.7	13·5		
	(All classse)	6,965	6,335	1,408	7,743	255	33	6,394	7,973	2,694	10,667	20	2
	%	13·8	25·1	2·5	9·4			12·7	31·5	4·8	13·0		

NOTE –

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respective area under the crop.

REGION–3
(INLAND NORTHERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 15 *ESTIMATED UNIRRIGATED AREA UNDER RABI JOWAR COVERED BY DIFFERENT INPUTS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,17,018	61,345	15,254	3,108	6,508	9,616
				15·5	32·3	67·7	19·4
2	1.00 – 1.99	1,34,450	1,98,684	20,746	6,032	12,411	18,443
				18·7	32·7	67·3	11·3
3	2.00 – 3.99	1,78,036	5,12,083	24,212	10,811	28,623	39,434
				16·8	27·4	72·6	9·6
4	4.00 – 9.99	1,87,827	11,54,366	32,367	5,083	57,348	62,431
				21·0	8·1	91·9	6·5
5	10 & More	46,364	6,68,203	9,836	1,502	26,582	28,084
				26·9	5·3	94·7	5·2
(All classes)		6,63,695	25,94,681	1,02,415	26,538	1,31,471	1,58,008
%				18·8	16·8	83·2	7·4

Table 15 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V	Others	Total (10 + 11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16 + 17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	878	–	439	439	44	100	61	–	28	28	2	73
		5·8		6·7	4·6			·4		·4	·3		
2	1.00 – 1·99	736	–	317	317	36	114	529	146	575	721	41	57
		3·5		2·6	1·7			2·5	2·4	4·6	3·9		
3	2.00 – 3·99	425	–	886	886	61	69	–	–	–	–	–	–
		1·8		3·1	2·2								
4	4.00 – 9·99	367	–	499	499	32	64	–	–	–	–	–	–
		1·1		·9	·8								
5	10 & More	2,508	–	7,348	7,348	418	57	–	–	–	–	–	–
		25·5		27.6	26·2								
(All classes)		4,914	–	9,489	9,489	591	62	590	146	602	748	43	57
%		4·8		7·2	6·0			·6	·5	·5	·5		

25174

REGION–3

Table 15 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea: No. of Holdings treated (% w.r.t. col. 5)	Urea: Area treated H.Y.V.	Urea: Area treated Others	Urea: Area treated Total (22+23)	Urea: Quantity Applied Total M.T.	Urea: Quantity Applied Kg/ha 25/24	Other Chemical Fertilizers: No. of Holdings treated (% w.r.t. col. 5)	Other Chemical Fertilizers: Area treated H.Y.V.	Other Chemical Fertilizers: Area treated Others	Other Chemical Fertilizers: Area treated Total (28+29)	Other Chemical Fertilizers: Quantity Applied Total M.T.	Other Chemical Fertilizers: Quantity Applied Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below– 1.00	4,567	2,994	178	3,172	469	148	342	–	117	117	17	145
	%	29.9	96.3	2.7	33.0			2.2		1.8	1.2		
2	1.00 – 1.99	2,985	1,037	1,291	2,328	350	150	526	–	272	272	49	180
	%	14.4	17.2	16.4	12.6			2.5		2.2	1.5		
3	2.00 – 3.99	2,043	3,108	400	3,508	379	108	98	–	33	33	4	123
	%	8.4	28.7	1.4	8.9			.4		.1	.1		
4	4.00 – 9.99	2,884	2,909	366	3,276	491	150	257	–	410	410	35	85
	%	8.9	57.2	.6	5.2			.8		.7	.7		
5	10 & More	643	234	949	1,184	59	50	132	108	228	336	34	101
	%	6.5	15.6	3.6	4.2			1.3	7.2	.9	1.2		
	(All classes)	13,122	10,282	3,185	13,467	1,748	130	1,355	108	1,061	1,169	139	119
	%	12.8	38.7	2.4	8.5			1.3	.4	.8	.7		

Table 15 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure: No. of Holdings treated (% w.r.t. col. 5)	Farm Yard Manure: Area treated H.Y.V.	Farm Yard Manure: Area treated Others	Farm Yard Manure: Area treated Total (34+35)	Farm Yard Manure: Quantity Applied Total 00 M.T.	Farm Yard Manure: Quantity Applied qt/ha 37/36	Compost & Other Manure: No. of Holdings treated (% w.r.t. col. 5)	Compost & Other Manure: Area treated H.Y.V	Compost & Other Manure: Area treated Others	Compost & Other Manure: Area treated Total (40+41)	Compost & Other Manure: Quantity Applied Total 00M.T.	Compost & Other Manure: Quantity Applied qs/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below –1.00	3,981	–	3,064	3,064	199	65	234	–	182	182	25	138
	%	26.1	–	47.1	31.9	–	–	1.5	–	2.8	1.9	–	–
2	1.00 – 1.99	637	–	301	301	29	96	490	–	500	500	98	196
	%	3.1	–	2.4	1.6	–	–	2.4	–	4.0	2.7	–	–
3	2.00 – 3.99	813	–	1,237	1,237	153	124	–	–	–	–	–	–
	%	3.4	–	4.3	3.1								
4	4.00 – 9.99	3,633	669	7,466	8,135	1,148	141	–	–	–	–	–	–
	%	11.2	13.2	13.0	13.0								
5	10 & More	866	1,035	862	1,896	141	74	–	–	–	–	–	–
	%	8.8	68.9	3.2	6.8								
	(All Classes)	9,930	1,704	12,928	14,632	1,670	114	724	–	682	682	123	180
	%	9.7	6.4	9.8	9.3			.7		.5	.4		

REGION–3

Table 15 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below– 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	1,193	551	410	961	18	19	936	551	–	551	1	2
	%	3.7	10.8	.7	1·5			2.9	10.8		·9		
5	10 & More	323	108	450	558	15	27	22	–	29	29	–	–
	%	3.3	7·2	1.7	2.0			·2		·1	·1		
(All classes)		1,516	659	860	1,519	33	22	958	551	29	580	1	2
	%	1.5	2.5	.7	1.0			·9	2.1		·4		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H· Y· V· & other variety is with respect to total area under the crop·

3) Percentage of treated area under H· Y· V., other variety & total area treated with different input is with respect to respective area under the crop·

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 16 — *ESTIMATED UNIRRIGATED AREA UNDER WHEAT COVERED BY DIFFERENT INPUTS* — Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below– 1·00	1,17,018	61,345	1,573	–	357	357
	%			1·6		100·0	·7
2	1·00 – 1·99	1,34,450	1,98,684	9,079	2,770	3,463	6,233
	%			8·2	44·4	55·6	3·8
3	2·00 – 3·99	1,78,036	5,12,083	13,403	1,194	11,033	12,227
	%			9·3	9·8	90·2	3·0
4	4·00 – 9·99	1,87,827	11,54,366	17,466	1,060	20,779	21,839
	%			11·3	4·9	95·1	2·3
5	10 & More	46,364	6,68,203	5,147	309	11,230	11,539
	%			14·1	2·7	97·3	2·1
	(All classes)	6,63,695	25,94,681	46,668	5,334	46,861	52,194
	%			8·6	10·2	89·8	2·5

Table 16 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below– 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	1,413	1,653	–	1,653	565	342	–	–	–	–	–	–
	%	15·6	59·7		26·5								
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
	(All classes)	1,413	1,653	–	1,653	565	342	–	–	–	–	–	–
	%	3·0	31·0		3·2								

REGION–3

Table 16 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	233	–	43	43	11	254	233	–	43	43	7	163
	%	14.8		12·1	12.1			14·8		12.1	12.1		
2	1·00 – 1·99	4,803	2,770	947	3,716	653	176	337	–	35	35	8	229
	%	52·9	100·0	27·3	59·6			3·7		1·0	·6		
3	2·00 – 3·99	3,548	1,194	647	1,841	357	194	881	–	197	197	35	178
	%	26·5	100·0	5·9	15.1			6·6		1.8	1.6		
4	4·00 – 9·99	4,546	1,060	4,930	5,991	538	90	1,241	–	1,665	1,665	143	86
	%	26·0	100·0	23·7	27·4			7·1		8·0	7,6		
5	10 & More	820	6	1,466	1,472	63	43	795	–	1,654	1,654	103	62
	%	15·9	2·1	13.1	12·8			15.4		14.7	14.3		
	(All classes)	13,950	5,031	8,032	13,063	1,622	124	3,487	–	3,594	3,594	296	82
	%	29·9	94·3	17.1	25·0			7·5		7·7	6·9		

Table 16 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	1,328	–	515	515	15	29	–	–	–	–	–	–
	%	14.6		14.9	8.3								
3	2·00 – 3·99	2,048	–	1,163	1,163	47	40	–	–	–	–	–	–
	%	15.3		10·5	9,5								
4	4·00 – 9·99	3,039	–	2,929	2,929	177	60	–	–	–	–	–	–
	%	17.4		14.1	13.4								
5	10 & More	833	6	564	571	52	91	–	–	–	–	–	–
	%	16.2	2,1	5·0	4.9								
	(All classes)	7,248	6	5,171	5,177	291	56	–	–	–	–	–	–
	%	15.5	·1	11.0	9·9								

REGION-3

Table-16 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Dusting: Area treated H.Y.V.	Pesticide by Dusting: Area treated Others	Pesticide by Dusting: Area treated Total (46+47)	Pesticide by Dusting: Quantity Applied Total M.T.	Pesticide by Dusting: Quantity Applied Kg/ha 49/48	Pesticide by Spraying: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Spraying: Area treated H.Y.V.	Pesticide by Spraying: Area treated Others	Pesticide by Spraying: Area treated Total (52+53)	Pesticide by Spraying: Quantity Applied Kilo Lt	Pesticide by Spraying: Quantity Applied Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below- 1.00 %	-	-	-	-	-	-	-	-	-	-	-	-
2	1.00 - 1.99 %	-	-	-	-	-	-	-	-	-	-	-	-
3	2.00 - 3.99 %	1,749 13.0	1,194 100.0	-	1,194 9.8	61	51	-	-	-	-	-	-
4	4.00 - 9.99 %	-	-	-	-	-	-	-	-	-	-	-	-
5	10 & More %	-	-	-	-	-	-	-	-	-	-	-	-
	(All classes) %	1,749 3.7	1,194 22.4	-	1,194 2.3	61	51	-	-	-	-	-	-

NOTE -

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respective area under the crop.

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–17 *ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT CHEMICAL FERTILIZERS IN UNIRRIGATED AREAS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Number and Area benefitted by Chemical Fertilizers									
				No. of Holdings Growing one or more selected Crops	Unirrigated Area under selected Crops	Ammonium Sulphate				Super Phosphate			
		Number	Area			No. of Holdings	S.E. % S.E	Area	S.E. % S.E.	No. of Holdings	S.E. % S.E	Area	S.E. % S.E
		3	4	5	6	7	8	9	10	11	12	13	14
1	Below – 1·00	1,17,018	61,345	83,515	40,968	3,853	1,590	1,207	531	1,129	768	522	361
	%			85·0	82·5	4·6	41·3	2·9	44·0	1·4	68·0	1·3	69,1
2	1·00 – 1·99	1,34,450	1,98,684	1,02,528	1,07,629	3,364	1,504	2,927	1,706	3,235	1,504	3,664	1,799
	%			92·2	66·1	3·3	44·7	2·7	58·3	3·2	46·5	3·4	49·1
3	2·00 – 3·99	1,78,036	5,12,083	1,33,760	2,51,999	3,347	898	3,952	727	5,135	3,012	5,945	3,867
	%			93·0	61·2	2·5	26·8	1·6	18·4	3·8	58·7	2·4	65·1
4	4.00 – 9·99	1,87,827	11,54,366	1,47,469	5,02,274	8,031	3,279	13,259	6,280	9,323	5,891	19,581	12,371
	%			95·6	52·6	5·4	40·8	2·6	47·4	6·3	63·2	3·9	63·2
5	10 & More	46,364	6,68,203	34,881	2,62,924	4,807	2,827	16,115	9,233	2,860	1,674	8,777	6,068
	%			95·4	48·6	13·8	58·8	6·1	57·3	8·2	58·5	3·3	69·1
	(All classes)	6,63,695	25,94,681	5,02,153	11,65,795	23,402	4,934	37,460	11,332	21,682	7,031	38,489	14,429
	%			92·3	55·0	4.7	21·1	3.2	30·3	4·3	32·4	3·3	37·5

Table –17 (Contd.)

Area in hectares

Sr No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	un Irrigated Area under selected Crops	Chemical Fertilizers							
						Urea				Other Chemical Fertilizers			
		Number	Area			No. of Holdings	S.E.	Area	S.E.	No. of Holdings	S.E.	Area	S.E.
1	2	3	4	5	6	15	16	17	18	19	20	21	22
1	Below – 1·00	1,17,018	61,345	83,515	40,968	24,951	7,269	12,585	4,643	9,471	2,517	4,247	1,200
	%			85·0	82·5	29·9	29·1	30·7	36·9	11·3	26·6	10·4	28·3
2	1·00 – 1·99	1,34,450	1,98,684	1,02,528	1,07,629	37,519	6,823	35,142	7,753	17,125	5,123	14,909	5,683
	%			92·2	66·1	36·6	18·2	32·7	22·1	16·7	29·9	13·8	38·6
3	2·00 – 3·99	1,78,036	5,12,083	1,33,760	2,51,999	48,022	9,174	65,491	12,639	18,086	4,378	26,850	9,450
	%			93·0	61·2	35·9	19·1	26·0	19·3	13·5	24·2	10·7	35·2
4	4·00 – 9·99	1,87,827	11,54,366	1,47,469	5,02,274	63,424	12,521	1,58,071	30,539	28,983	5,556	62,784	15,742
	%			95·6	52·6	43·0	19·7	31·5	19·3	19·7	19·2	12·5	25·1
5	10 & More	46,364	6,68,203	34,881	2,62,924	17,194	3,026	70,033	11,881	8,142	1,408	29,989	3,843
	%			95·4	48·6	49·3	17·6	26·6	17·0	23·3	17·3	11·5	12·9
	(All classes)	6,63,695	25,94,681	5,02,153	11,65,795	1,91,110	18,695	3,41,322	36,266	81,807	9,198	1,38,781	19,637
	%			92·3	55·0	38·1	9·8	29·3	10·6	16·3	11.2	11·9	14·2

REGION 3
(INLAND NORTHERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–17 A *ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT ORGANIC MANURES AND PESTICIDES IN UNIRRIGATED AREAS*

(Area in hectares)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	un Irrigated Area under selected Crops	No. of Holdings and Area benefitted by Organic Manures					
						Organic Manures				Pesticides	
						Farm yard Manure		Compost		Pesticides	
		Number	Area			No. of Holdings	Area	No. of Holdings	Area	No. of Holdings	Area
1	2	3	4	5	6	23	24	25	26	27	28
1	Below – 1·00	1,17,018	61,345	83,515	40,968	20,673	9,459	234	182	551	224
	%			85·0	82·5	24·8	23·1	·3	·4	·7	·5
2	1·00 – 1·99	1,34,450	1,98,684	1,02,528	1,07,629	30,212	24,331	681	658	11,633	8,674
	%			92·2	66·1	29·5	22·6	·7	·6	11·3	8·1
3	2·00 – 3·99	1,78,036	5,12,083	1,33,760	2,51,999	34,678	43,245	–	–	10,407	10,151
	%			93·0	61·2	25·9	17·2			7·8	4·0
4	4·00 – 9·99	1,87,827	11,54,366	1,47,469	5,02,274	51,818	1,31,816	2,625	3,552	19,917	35,129
	%			95·6	52·6	35·1	26·2	1·8	·7	13·5	7·8
5	10 & More	46,364	6,68,203	34,881	2,62,924	16,328	1,21,947	388	1,310	4,922	13,665
	%			95·4	48·6	46·8	46·4	1·1	·5	14·1	5·2
	(All classes)	6,63,695	25,94,681	5,02,153	11,65,795	1,53,709	3,30,798	3,928	5,701	47,430	67,842
	%			92·3	55·0	30·6	28·4	·8	·5	9·4	5·8

REGION 3
(INLAND NORTHERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–18 *ESTIMATED NUMBER OF CATTLE REPORTED BY OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr No.	Size Class of Holdings	Total Holdings		No. of Holdings reporting males	Males over 3 years			No. of Holdings reporting females	Females over 3 years		
		Number	Area		Working	Others	Total Males (6+7)		In Milk	Others	Total Females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,17,018	61,345	33,874	84,715	6,556	91,271	33,265	65,669	11,131	76,800
2	1·00 – 1·99	1,34,450	1,98,684	58,891	1,29,960	7,207	1,37,167	50,963	71,281	31,263	1,02,544
3	2·00 – 3·99	1,78,036	5,12,083	96,444	2,05,662	20,163	2,25,825	65,798	1,24,060	39,736	1,63,796
4	4·00 – 9·99	1,87,827	11,54,366	1,14,717	3,01,736	38,063	3,39,799	82,296	1,57,767	96,007	2,53,774
5	10 & More	46,364	6,68,203	29,604	1,11,018	13,846	1,24,864	26,277	82,389	41,624	1,24,013
	(All classes)	6,63,695	25,94,681	3,33,530	8,33,091	8,58,350	9,18,926	2,58,599	5,01,166	2,19,761	7,20,927

Table–18 (Contd.)

Sr. No.	Size Class of Holdings	Youngstock upto 3 years		Total	Total no. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock	Cols. (8+12+14)	
		13	14	15	16
1	Below – 1·00	17,618	36,701	2,04,772	42,871
2	1·00 – 1·99	23,722	37,756	2,77,467	69,389
3	2·00 – 3·99	34,488	71,007	4,60,628	1,02,019
4	4·00 – 9·99	51,637	1,21,081	7,14,654	1,19,408
5	10 & More	17,200	50,222	2,99,099	30,450
	(All classes)	1,44,665	3,16,767	19,56,620	3,64,137

REGION 3 (INLAND NORTHERN)

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table-19 *ESTIMATED NUMBER OF BUFFALOES REPORTED BY OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings reporting males	Males over 3 years			No. of Holdings reporting females	Females over 3 years		
		Number	Area		Working	Others	Total Males (6+7)		In Milk	Others	Total Females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,17,018	61,345	4,247	5,430	–	5,430	15,380	17,981	4,207	22,188
2	1·00 – 1·99	1,34,450	1,98,684	5,009	3,396	2,477	5,873	19,214	20,547	8,468	29,015
3	2·00 – 3·99	1,78,036	5,12,083	7,725	10,731	2,647	13,378	28,755	41,253	7,747	49,000
4	4·00 – 9·99	1,87,827	11,54,366	8,928	13,946	2,818	16,764	47,162	61,327	27,700	89,027
5	10 & More	46,364	6,68,203	3,827	5,571	1,627	7,198	15,045	27,249	7,650	34,899
	(All classes)	6,63,695	25,94,681	29,734	39,074	9,569	48,643	1,25,556	1,68,357	55,772	2,24,129

Table–19 (Contd.)

Sr. No.	Size Class of Holdings	Youngstock upto 3 years		Total Cols. (8+12+14)	Total no. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1·00	7,688	12,393	40,011	17,653
2	1·00 – 1·99	2,663	3,786	38,674	23,760
3	2·00 – 3·99	8,784	9,502	71,880	33,522
4	4·00 – 9·99	12,292	21,007	1,26,798	51,237
5	10 & More	5,367	8,499	50,596	16,994
	(All classes)	36,794	55,187	3,27,959	1,43,166

REGION 3
(INLAND NORTHERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–20

ESTIMATED NUMBER OF CATTLE PER 100 HECTARES OF AREA OPERATED BY HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings		No. of cattle per 100 hectares of area operated by Households							
				No. of Holdings Reporting Males	Males over 3 years			No. of Holdings Reporting Females	Females over 3 years		
		Number	Area		Working	Others	Total Col. (6 + 7)		In milk	Others	Total Col. (10 + 11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,17,018	61,345	33,874	171	13	184	33,265	132	22	155
2	1·00 – 1·99	1,34,450	1,98,684	58,891	80	4	84	50,963	44	19	63
3	2·00 – 3·99	1,78,036	5,12,083	96,444	50	5	55	65,798	30	10	40
4	4·00 – 9·99	1,87,827	11,54,366	1,14,717	31	4	35	82,296	16	10	26
5	10 & More	46,364	6,68,203	29,604	21	3	23	26,277	15	8	23
	(All classes)	6,63,695	25,94,681	3,33,530	39	4	43	2,58,599	24	10	34

Table–20 (Contd·)

Sr. No.	Size Class of Holdings	No. of cattle per 100 hectares of area operated by households			
		Youngstock upto 3 years		Total Cols. (8 + 12 + 14)	Total No. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1·00	17,618	74	412	42,871
2	1·00 – 1·99	23,722	23	170	69,389
3	2·00 – 3·99	34,488	17	111	1,02,019
4	4·00 – 9·99	51,637	12	74	1,19,408
5	10 & More	17,200	9	55	30,450
	(All classes)	1,44,665	15	92	3,64,137

REGION 3
(INLAND NORTHERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED NUMBER OF BUFFALOES PER 100 HECTARES OF AREA OPERATED BY HOUSEHOLDS AS ON 15TH APRIL 1977

Table –21

Sr. No.	Size Class of Holdings	Total Holdings: Number	Total Holdings: Area	No. of Buffaloes per 100 hectares of area operated by Households: No. of Holdings reporting males	Males over 3 years: Working	Males over 3 years: Others	Males over 3 years: Total males Col. (6+7)	No. of Holdings reporting females	Females over 3 years: In Milk	Females over 3 years: Others	Females over 3 years: Total females Col. (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,17,018	61,345	4,247	11	–	11	15,380	36	8	45
2	1·00 – 1·99	1,34,450	1,98,684	5,009	2	2	4	19,214	13	5	18
3	2·00 – 3·99	1,78,036	5,12,083	7,723	3	1	3	28,755	10	2	12
4	4·00 – 9·99	1,87,827	11,54,366	8,928	1	–	2	47,162	6	3	9
5	10 & More	46,364	6,68,203	3,827	1	–	1	15,045	5	1	6
	(All classes)	6,63,695	25,94,681	29,734	2	–	2	1,25,556	8	3	11

Table–21 (Contd.)

Sr. No.	Size Class of Holdings	No. of Buffaloes per 100 hectares of area operated by Households: Youngstock upto 3 years: Number of Holdings reporting youngstock	Youngstock upto 3 years: Total youngstock	Total of: Cols. (8 + 12 + 14)	Holdings reporting one or more categories
		13	14	15	16
1	Below – 1·00	7,688	25	81	17,653
2	1·00 – 1·99	2,663	2	24	23,760
3	2·00 – 3·99	8,784	2	17	33,522
4	4·00 – 9·99	12,292	2	13	51,237
5	10 & More	5,367	2	9	16,994
	(All classes)	36,794	3	15	1,43,166

REGION 3
(INLAND NORTHERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–22 *ESTIMATED NUMBER OF CATTLE PER 100 OPERATING HOUSEHOLDS ASON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		No. of Cattle per 100 Operating Households							
				Males over 3 years				Females over 3 years			
		Number	Area	No. of Holdings reporting males	Working	Others	Total males (6+7)	No. of Holdings reporting females	In Milk	Others	Total females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,17,018	61,345	33,874	86	7	93	33,265	67	11	78
2	1·00 – 1·99	1,34,450	1,98,684	58,891	117	6	123	50,963	64	28	92
3	2·00 – 3·99	1,78,036	5,12,083	96,444	143	14	157	65,798	86	28	114
4	4·00 – 9·99	1,87,827	11,54,366	1,14,717	194	25	219	82,296	102	62	163
5	10 & More	46,364	6,68,203	29,604	304	38	342	26,277	226	114	340
	(All classes)	6,63,695	25,94,681	3,33,530	152	16	168	2,58,599	92	40	132

Table–22 (Contd.)

Sr. No.	Size Class of Holdings	No. of Cattle per 100 Operating Households			
		Youngstock upto 3 years		Total Cols. 13 + 14	Total No. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1·00	17,618	37	208	42,871
2	1·00 – 1·99	23,722	34	249	69,389
3	2·00 – 3·99	34,488	49	320	1,02,019
4	4·00 – 9·99	51,637	78	460	1,19,408
5	10 & More	17,200	138	819	30,450
	(All classes)	1,44,665	58	358	3,64,137

REGION 3
(INLAND NORTHERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–23 *ESTIMATED NUMBER OF BUFFALOES PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		Buffaloes per 100 Operating Households							
				Males over 3 years				Females over 3 years			
		Number	Area	No. of Holdings reporting males	Working	Others	Total males (6+7)	No. of Holdings reporting females	In Milk	Others	Total females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,17,018	61,345	4,247	6	–	6	15,380	18	4	23
2	1·00 – 1·99	1,34,450	1,98,684	5,009	3	2	5	19,214	18	8	26
3	2·00 – 3·99	1,78,036	5,12,083	7,723	7	2	9	28,755	29	5	34
4	4·00 – 9·99	1,87,827	11,54,366	8,928	9	2	11	47,162	39	18	57
5	10 & More	46,364	6,68,203	3,827	15	4	20	15,045	75	21	96
	(All classes)	6,63,695	25,94,681	29,734	7	2	9	1,25,556	31	10	41

Table–23 (Contd.)

Sr. No.	Size Class of Holdings	No. of Buffaloes per 100 Operating Households			
		Youngstock upto 3 years		Total Cols. (8+12+14)	Total No. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1·00	7,688	13	41	17,653
2	1·00 – 1·99	2,663	3	35	23,760
3	2·00 – 3·99	8,784	7	50	33,522
4	4·00 – 9·99	12,292	14	82	51,237
5	10 & More	5,367	23	139	16,994
	(All classes)	36,794	10	60	1,43,166

REGION–3

(INLAND NORTHERN)

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table 24 *ESTIMATED NUMBER OF LIVESTOCK (OTHER THAN CATTLE AND BUFFALOES) PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		Number per 100 Operating Households													
				Sheep			Goats			Horses and Ponies	Mules	Donkeys or Asses	Pigs			Camels	Other Livestock
		Number	Area	Under one year	One year & above	Total	Under one year	One year & above	Total				below 6 months	above 6 months	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Below – 1·00	1,17,018	61,345	7	14	21	18	24	42	–	–	–	–	2	2	1	–
2	1·00 – 1·99	1,34,450	1,98,684	10	30	39	16	36	51	1	–	–	–	–	–	–	–
3	2·00 – 3·99	1,78,036	5,12,083	28	65	93	15	47	62	1	–	–	–	–	–	–	–
4	4·00 – 9·99	1,87,827	11,54,366	14	50	63	34	57	91	1	–	–	–	–	–	–	–
5	10 & More	46,364	6,68,203	36	87	123	39	77	115	3	–	–	–	–	–	–	–
	(All Classes)	6,63,695	25,94,681	17	46	62	23	45	68	1	–	–	–	–	–	–	–

Table 25 *ESTIMATED NUMBER OF POULTRY PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		Number per 100 Operating Households												
				Cocks			Hens			Chickens below 5 months			Ducks			Total Poultry
		Number	Area	Deshi	Improved	Total (Col. 5+6)	Deshi	Improved	Total (Col. 8+9)	Deshi	Improved	Total (Col. 11+12)	Deshi	Improved	Total (Col. 14+15)	Col. 7+10+13+16
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Below – 1·00	1,17,018	61,345	–	–	6	–	–	55	–	–	26	–	–	–	89
2	1·00 – 1·99	1,34,450	1,98,684	–	–	6	–	–	65	–	–	30	–	–	–	102
3	2·00 – 3·99	1,78,036	5,12,083	–	–	15	–	–	100	–	–	33	–	–	–	149
4	4·00 – 9·99	1,87,827	11,54,366	–	–	13	–	–	106	–	–	56	–	–	–	176
5	10 & More	46,364	6,68,203	–	–	31	–	–	147	–	–	146	–	–	–	325
	(All Classes)	6,63,695	25,94,681	–	–	13	–	–	90	–	–	45	–	–	–	148

REGION-3

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

(INLAND NORTHERN)

Table-26

ESTIMATED NUMBER OF AGRICULTURAL MACHINERY OWNED INDIVIDUALLY PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	Ploughs Wooden	Ploughs Iron	Ploughs Total Col. 5+6	Earth Leveller or Scrapers	Harrows & Hoes	Hand Tractors Power Tillers	Seed Drills	Maize Shellers	Sprayers	Dusters	Harvesters	Chaff Cutters	Threshers
		Number of Agricultural Machinery Owned Individually per 100 Operating Households														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Below 1.00	1,17,018	61,345	40	7	48	9	43	–	21	–	–	–	–	1	–
2	1.00 – 1.99	1,34,450	1,98,684	57	12	70	9	64	–	33	–	5	3	–	3	4
3	2.00 – 3.99	1,78,036	5,12,083	65	13	78	12	87	–	49	–	1	3	–	4	–
4	4.00 – 9.99	1,87,827	11,54,366	86	33	119	15	154	–	74	–	4	5	–	10	2
5	10 & More	46,364	6,68,203	129	50	179	28	205	–	113	–	13	4	–	16	3
(All Classes)		6,63,695	25,94,681	69	20	89	13	101	–	52	–	3	3	–	6	2

Table 26 (Contd.)

Sr. No.	Size Class of Holdings	Pumps Electric	Pumps Diesel	Pumps Others	Pumps Total Col. 16+19+20	Bullock Carts	Cane Crushers	Oil Crusher	Persian wheel or Rahat	Tractors less than 10 H.P.	Tractors 10 to 14 H.P.	Tractors 14 to 19 H.P.	Tractors more than 20 H.P.	Tractors H.P. not known	Tractors Total	Other Machinery
		Number of Agricultural Machinery owned Individually per 100 operating Households														
18		19	20	21	22	23	24	25	26	27	28	29	30	31	32	
1	Below – 1.00	2	3	–	4	14	–	–	–	–	–	–	–	–	–	225
2	1.00 – 1.99	8	2	–	10	34	–	–	–	–	–	2	–	2		345
3	2.00 – 3.99	5	3	–	9	38	–	–	–	–	–	1	–	1		388
4	4.00 – 9.99	16	11	2	30	61	–	–	–	–	–	–	21	21		520
5	10 & More	16	17	5	37	76	–	–	–	–	–	–	23	24		742
(All Classes)		9	6	1	16	42	–	–	–	–	–	1	7	8		410

REGION–3
(INLAND NORTHERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED NUMBER OF AGRICULTURAL MACHINERY OWNED INDIVIDUALLY PER 100 HECTARES OF AREA OPERATED BY HOUSEHOLDS AS ON 15TH APRIL 1977

Table–27

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	Ploughs Wooden	Ploughs Iron	Total Col. 5+6	Earth Leveller or Scrapers	Harrows & Hoes	Hand Tractors Power Tillers	Seed Drills	Maize Shellers	Sprayers	Dusters	Harvesters	Chaff Cutters	Threshers
		Number of Agricultural Machinery Owned Individually per 100 hectares of Area Operated by Households														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Below – 1·00 %	1,17,018	61,345	80	14	94	17	86	–	41	–	–	–	–	2	–
2	1·00 – 1·99 %	1,34,450	1,98,684	39	8	47	6	44	–	22	–	3	2	–	2	3
3	2·00 – 3·99 %	1,78,036	5,12,083	23	4	27	4	30	–	17	–	–	1	–	1	–
4	4·00 – 9·99 %	1,87,827	11,54,366	14	5	19	2	25	–	12	–	1	1	–	2	–
5	10 & More %	46,364	6,68,203	9	3	12	2	14	–	8	–	1	–	–	1	–
	(All classes)	6,63,695	25,94681	18	5	23	3	26	–	13	–	1	1	–	1	–

Table 27 (Contd.)

Sr. No.	Size Class of Holdings	Pumps Electric	Pumps Diesel	Pumps Others	Pumps Total Col. 18+19+20	Bullock Carts	Cane Crushers	Oil Crushers	Persian wheel or Rahat	Tractors with H.P. less than 10	Tractors with H.P. 10 to 14	Tractors with H.P. 14 to 19	Tractors with H.P. 20 & above	Tractors with H.P. H.P. not available	Tractors with H.P. Total	Other Machinery
		18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00 %	3	5	–	9	27	–	–	–	–	–	–	–	–	–	446
2	1·00 – 1·99 %	6	1	–	7	23	–	–	–	–	–	–	1	–	1	235
3	2·00 – 3·99 %	2	1	–	3	13	–	–	–	–	–	–	–	–	–	135
4	4·00 – 9·99 %	3	2	–	5	10	–	–	–	–	–	–	–	3	3	83
5	10 & More %	1	1	–	3	5	–	–	–	–	–	–	–	2	2	50
	All Classes)	2	2	–	4	11	–	–	–	–	–	–	–	2	2	105

REGION–4
(INLAND CENTRAL)

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table 1

ESTIMATED AREA CROPPED ONCE AND MORE THAN ONCE IN IRRIGATED AREAS

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Irrigated Area							
				Cropped once	Cropped twice		Cropped more than twice				
		Number	Area		One crop Irrigated	Two crops Irrigated	One crop Irrigated	Two crops Irrigated	More than two crops Irrigated	Net Irrigated (5 to 10)	Gross Irrigated
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,41,722	81,179	4,043	2,706	859	–	–	–	7,608	8,468
	%			53·1	35·5	11·3				9·9	111·3
2	1·00 – 1·99	2,04,844	3,02,356	19,812	9,754	2,025	478	–	–	32,069	34,094
	%			61·7	30·4	6·3	1·4			11·8	106·3
3	2·00 – 3·99	3,05,517	8,83,074	42,862	19,423	4,748	319	206	–	67,556	72,509
	%			63·4	28·7	7·0	·4	·3		9·3	107·3
4	4·00 – 9·99	3,73,522	23,33,210	1,14,120	45,530	16,476	503	554	37	1,77,218	1,94,321
	%			64·4	25·6	9·3	·2	·3	–	9·0	109·6
5	10 & More	1,22,847	17,71,160	55,464	25,922	6,993	1,519	156	156	90,208	97,669
	%			61·4	28·7	7·7	1·6	·1	·1	6·8	108·2
	(All classes)	11,48,452	53,70,979	2,36,300	1,03,335	31,101	2,819	917	193	3,74,658	4,07,061
	%			63·0	27·5	8·3	·7	·2		8·6	108·6

ESTIMATED AREA CROPPED ONCE AND MORE THAN ONCE IN UNIRRIGATED AREAS AND AREA AFFECTED BY WATER LOGGING AND SALINITY

Table–1 A

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Unirrigated Area				Number of Holdings and Area affected by					
				Cropped once	Cropped more than once	Net Unirrigated (5+6)	Gross Unirrigated	Water logging				Salinity	
		Number	Area					No. of Holdings	Area affected		Total of (10+11)	No. of Holdings	Area affected
									with drainage	without drainage			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Below –1·00	1,41,722	81,179	62,871	5,876	68,745	77,323	238	151	20	171	170	3
	%			91·4	8·5	90·0	112·4	·2	·1	–	·1	·1	–
2	1·00 – 1·99	2,04,844	3,02,356	2,14,941	22,992	2,37,930	2,71,630	1,819	1,798	1,038	2,836	2,676	856
	%			90·3	9·6	88·1	114·1	·9	·5	·3	·8	1·3	·2
3	2·00 – 3·99	3,05,517	8,83,074	6,04,455	54,054	6,58,507	7,32,823	3,570	6,976	1,519	8,495	5,213	2,948
	%			91·7	8·2	90·7	111·2	1·2	·7	·1	·9	1·7	·3
4	4·00 – 9·99	3,73,522	23,33,210	16,02,003	1,90,662	17,92,661	20,30,411	3,876	19,456	1,243	20,699	17,076	24,605
	%			89·3	10·6	91·0	113·2	1·0	·8	–	·8	4·5	1·0
5	10 & More	1,22,847	17,71,160	10,98,233	1,27,431	12,25,663	13,82,208	1,581	12,848	566	13,413	11,227	50,593
	%			89·6	10·4	93·1	112·7	1·3	·7	–	·7	9·0	2·8
(All classes)		11,48,452	53,70,979	35,82,503	4,01,014	39,83,507	44,94,395	11,084	41,230	4,384	45,614	36,362	79,005
	%			89·9	10·0	91·4	112·8	1·0	·7	–	·8	3·2	1·4

REGION–4

(INLAND CENTRAL)

Table–1 B

ESTIMATES OF NET & GROSS AREA, AREA WATER LOGGED & AFFECTED BY SALINITY, ALONG WITH STANDARD ERRORS

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	Net Irrigated Area	S.E.	Gross Irrigated Area	S.E.	Net Unirrigated Area	S.E.	Gross Unirrigated Area	S.E.
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,41,722	81,179	7,608	1,252	8,468	1,434	68,745	5,341	77,323	5,763
	%				16·4		16·9		7·7		7·4
2	1·00 – 1·99	2,04,844	3,02,356	32,069	6,048	34,094	6,567	2,37,930	18,286	2,71,630	20,431
	%				18·8		19·2		7·6		7·5
3	2·00 – 3·99	3,05,517	8,83,074	67,556	11,244	72,509	11,880	6,58,507	51,234	7,32,823	54,801
	%				16·6		16·3		7·7		7·4
4	4·00 – 9·99	3,73,522	23,33,210	1,77,218	26,854	1,94,321	29,663	17,92,661	1,25,793	20,30,411	1,52,104
	%				15·1		15·2		7·0		7·4
5	10 & More	1,22,847	17,71,160	90,208	14,620	97,669	15,505	12,25,663	1,02,121	13,82,208	1,21,623
	%				16·2		15·8		8·3		8·8
	(All classes)	11,48,452	53,70,979	3,74,658	33,158	4,07,061	36,147	39,83,507	1,70,998	44,94,395	2,03,424
	%				8·8		8·8		4·2		4·5

ESTIMATED NUMBER AND AREA OF HOLDINGS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES AND PESTICIDES IN IRRIGATED AREAS

Table–2

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	No. of Holdings Growing one or more selected Crops	Gross area under one or more selected Crops	Chemical Fertilizers No. of Holdings benefited	Chemical Fertilizers Area Treated	Organic Manures No. of Holdings benefited	Organic Manures Area Treated	Pesticides No. of Holdings benefited	Pesticides Area Treated
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1.00	1,41,722	81,179	19,165	5,979	9,326	3,059	6,482	1,782	2,671	744
	%			14.2	7.0	48.7	51.2	33.8	29.8	13.9	12.4
2	1·00 – 1·99	2,04,844	3,02,356	30,892	25,063	15,807	11,003	7,365	4,055	2,024	1,314
	%			6.5	3.4	51.2	43.9	23.8	16.2	6.6	5.2
3	2·00 – 3·99	3,05,517	8,83,074	50,838	45,077	28,897	21,637	11,497	9,314	3,600	1,721
	%			17.1	5.2	56.8	48.0	22.6	20.7	7.1	3.8
4	4·00 – 9·99	3,73,522	23,33,210	90,703	1,18,338	51,297	65,825	26,602	25,292	16,479	26,332
	%			24.1	5.0	56.6	55.6	29.3	21.4	18.2	22.3
5	10 & More	1,22,747	17,71,160	39,306	74,016	22,097	30,197	16,453	26,061	7,624	6,976
	%			31.9	4.2	56.2	40.8	41.9	35.2	19.4	9.4
	(All classes)	11,48,452	53,70,979	2,30,904	2,68,473	1,27,424	1,31,720	68,399	66,504	32,398	37,088
	%			16.4	4.6	55.2	49.1	29.6	24.8	14.0	13.8

REGION–4 *ESTIMATED STANDARD ERRORS OF THE ESTIMATES OF HOLDINGS AND AREA GROWING ONE OR MORE*
Table–2 A *CROPS AND HOLDINGS AND AREAS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES AND PESTICIDES*

Area in hectares

Sr. No.	Size Class of Holdings	No. of holdings growing one or more selected Crops & Gross irrigated area.		Chemical Fertilizers		Organic Manure		Pesticide	
		No. S.E.	Area S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.
1	2	3	4	5	6	7	8	9	10
1	Below – 1·00	3,762	– 1,092	2,705	– 801	2,431	– 576	1,201	– 320
	%	19·6	18·3	29·0	26·2	37·5	32·3	45·0	43·0
2	1·00 – 1·99	5,004	– 5,286	3,463	– 3,454	1,810	– 1,463	803	– 668
	%	16·2	21·1	21·9	31·4	24·6	36·1	39·7	50·8
3	2·00 – 3·99	7,310	– 7,547	5,849	– 4,987	2,749	– 2,717	1,745	– 749
	%	14·4	16·7	20·2	23·1	23·9	29·2	48·5	43·5
4	4·00 – 9·99	12,850	– 20,982	8,822	– 13,687	6,118	– 4,729	5,374	– 10,394
	%	14·2	17·7	17·2	20·8	23·0	18·7	32·6	39·5
5	10 & More	4,430	– 14,029	2,892	– 4,457	3,019	– 8,187	2,470	– 2,430
	%	11·3	19·0	13·1	14·8	18·3	31·4	32·4	34·8
	(All classes)	16,655	26,891	11,820	15,641	7,955	9,963	6,333	10,726
	%	7·2	10·0	9·3	11·9	11·6	15·0	19·5	28·9

REGION–4
(INLAND CENTRAL)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 3 *ESTIMATED IRRIGATED AREA UNDER PADDY COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,41,722	81,179	2,735	–	575	575
	%			2·0		100·0	·7
2	1.00 – 1.99	2,04,844	3,02,356	3,723	294	715	1,009
	%			·8	29·1	70·9	·1
3	2.00 – 3.99	3,05,517	8,83,074	6,244	867	1,234	2,100
	%			2·1	41·3	58·7	·2
4	4.00 – 9.99	3,73,522	23,33,210	14,082	5,383	4,218	9,601
	%			3·7	56·1	43·9	·4
5	10 & More	1,22,847	17,71,160	6·807	1,919	2,318	4,237
	%			5·5	45·3	54·7	·2
	(All classes)	11,48,452	53,70,979	33,591	8,463	9,060	17,523
	%			2·4	48·3	51·7	·3

Table 3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	61	9	–	9	2	217
	%							·9	·5		·2		
	(All classes)	–	–	–	–	–	–	61	9	–	9	2	217
	%							·2	·1		·1		

REGION 4

Table–3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	822	–	303	303	30	99	307	–	199	199	14	70
	%	30·1		52·7	52·7			11·2		34·7	34·7		
2	1·00 – 1·99	1,123	164	252	416	40	96	1,970	–	332	332	52	143
	%	30·2	55·7	35·2	41·2			52·9		46·4	32·9		
3	2·00 – 3·99	2,670	847	729	1,576	128	81	2,361	–	428	428	45	105
	%	42·8	97·8	59·1	75·0			37·8		34·7	20·4		
4	4·00 – 9·99	2,761	442	2,029	2,471	162	66	2,307	1,026	1,214	2,240	194	87
	%	19·6	8·2	48·1	25·7			16·4	19·1	28·8	23·3		
5	10 & More	1,122	551	709	1,260	88	70	1,153	678	592	1,270	146	115
	%	16·5	28·7	30·6	29·7			16·9	35·3	25·5	30·0		
	(All classes)	8,498	2,004	4,022	6,026	448	74	8,098	1,704	2,765	4,468	454	100
	%	25·3	23·7	44·4	34·4			24·1	20·1	30·5	25·5		

Table–3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	992	–	392	392	59	151	–	–	–	–	–	–
	%	36·3		68·1	68·1			–		–	–		
2	1·00 – 1·99	825	–	160	160	26	162	–	–	–	–	–	–
	%	22·2		22·3	15·8			–		–	–		
3	2·00 – 3·99	829	836	95	931	149	160	–	–	–	–	–	–
	%	13·3	96·5	7·7	44·3			–		–	–		
4	4·00 – 9·99	6,444	4,115	1,156	5,271	910	172	–	–	–	–	–	–
	%	45·8	76·4	27·4	54·9			–		–	–		
5	10 & More	3,823	1,490	1,010	2,499	362	145	612	–	122	122	1,531	12,503
	%	56·2	77·6	43·6	59·0			9·0		5·3	2·9		
	(All classes)	12,913	6,441	2,813	9,253	1,506	163	612	–	122	122	1,531	12,503
	%	38·4	76·1	31·0	52·8			1·8		1·4	·7		

REGION–4

Tabel–3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt./ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	–	–	–	–	–	–	379	–	11	11	–	–
	%							2.7		.3	.1		
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
	(All clases)	–	–	–	–	–	–	379	–	11	11	–	–
	%							1.1		.1	.1		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respective area under the crop.

REGION–4
(INLAND CENTRAL)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 4 *ESTIMATED IRRIGATED AREA UNDER BAJRI COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,41,722	81,179	33	–	3	3
	%	–	–	–	–	100.0	
2	1.00 – 1.99	2,04,844	3,02,356	–	–	–	–
	%	–	–	–	–	–	
3	2.00 – 3.99	3,05,517	8,83,074	223	184	–	184
	%			·1	100.0		
4	4.00 – 9.99	3,73,522	23,33,210	338	74	81	155
	%			·1	47.6	52.4	
5	10 & More	1,22,847	17,71,160	24	–	37	37
	%					100.0	
	(All classes)	11,48,452	53,70,979	618	257	121	378
	%				68.1	31.9	

Table 4 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
	(All classes)	–	–	–	–	–	–	–	–	–	–	–	–
	%												

REGION–4

Table 4 (Contd.)

(Area in hectar

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/h 31/3
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	223	184	–	184	23	125	–	–	–	–	–	–
	%	100·0	100·0		100·0								
4	4·00 – 9·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
(All classes)		223	184	–	184	23	125	–	–	–	–	–	–
	%	36·1	71·4		48·6								

Table 4 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	338	74	81	155	11	71	–	–	–	–	–	–
	%	100·0	100·0	100·0	100·0								
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
(All classes)		338	74	81	155	11	71	–	–	–	–	–	–
	%	54·7	28·6	67·2	40·9								

REGION–4

Table–4 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Dusting: Area treated H.Y.V.	Pesticide by Dusting: Area treated Others	Pesticide by Dusting: Area treated Total (46+47)	Pesticide by Dusting: Quantity Applied Total M.T.	Pesticide by Dusting: Quantity Applied Kg/ha 49/48	Pesticide by Spraying: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Spraying: Area treated H.Y.V.	Pesticide by Spraying: Area treated Others	Pesticide by Spraying: Area treated Total (52+53)	Pesticide by Spraying: Quantity Applied Kilo Lt	Pesticide by Spraying: Quantity Applied Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
(All classes)		–	–	–	–	–	–	–	–	–	–	–	–
	%												

199

NOTE :-

1) P … with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

REGION–4
(INLAND CENTRAL)
Table 5

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED IRRIGATED AREA UNDER KHARIF JOWAR COVERED BY DIFFERENT INPUTS (Area in hectares)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1·00	1,41,722	81,179	4,606	574	29	604
	%			3·4	95·1	4·9	·7
2	1·00 – 1·99	2,04,844	3,02,356	4,041	2,645	483	3,128
	%			·8	84·6	15·4	·4
3	2·00 – 3·99	3,05,517	8,83,074	4,357	3,404	–	3,404
	%			1·5	100·0		·4
4	4·00 – 9·99	3,73,522	23,33,210	18,102	17,307	–	17,307
	%			4·8	100·0		·7
5	10 & More	1,22,847	17,71,160	8,072	7,440	29	7,468
	%			6·5	99·6	·4	·4
	(All classes)	11,48,452	53,70,979	39,178	31,371	541	31,911
	%			2·8	98·3	1·7	·5

Table 5 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	163	16	–	16	4	256	–	–	–	–	–	–
	%	3·5	2·7		2·6								
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	211	879	–	879	33	38	–	–	–	–	–	–
	%	2·6	11·8		11·8								
	(All classes)	374	894	–	894	37	41	–	–	–	–	–	–
	%	1·0	2·9		2·8								

REGION–4

Table 5 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22 + 23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28 + 29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	50	34	–	34	4	118	1,913	343	–	343	73	213
	%	1·1	5·9		5·6			41·5	59·8		56·9		
2	1·00 – 1·99	287	332	–	332	50	151	484	117	–	117	16	137
	%	7·1	12·6		10·6			12·0	4·4		3·7		
3	2·00 – 3·99	3,080	1,540	–	1,540	165	107	671	528	–	528	81	153
	%	70·7	45·2		45·2			15·4	15·5		15·5		
4	4·00 – 9·99	1,831	1,083	–	1,083	195	180	5,231	8,501	–	8,501	810	95
	%	10·1	6·3		6·3			28·9	49·1		49·1		
5	10 & More	1,333	2,500	16	2,516	207	82	1,295	1,703	–	1,703	187	110
	%	16·5	33·6	54·9	33·7			16·0	22·9		22·8		
(All classes)		6,581	5,489	16	5,505	621	113	9,594	11,191	–	11,191	1,206	96
	%	16·8	17·5	2·9	17·2			24·5	35·7		35·1		

Table 5 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Campost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34 + 35)	Total 00 M.T	qt/ha 37/36		H.Y.V.	Others	Total (40 + 41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	3,109	408	–	408	94	230	–	–	–	–	–	–
	%	67·5	71·0		67·5								
2	1·00 – 1·99	1,511	1,590	–	1,590	151	95	–	–	–	–	–	–
	%	37·4	60·1		50·8								
3	2·00 – 3·99	3,577	3,076	–	3,076	253	82	–	–	–	–	–	–
	%	82·1	90·4		90·4								
4	4·00 – 9·99	4,692	6,503	–	6,503	339	52	100	76	–	76	475	6,250
	%	25·9	37·6		37·6			·6	·4		·4		
5	10 & More	4,420	3,896	13	3,909	441	113	612	245	–	245	3,061	12,499
	%	54·8	52·4	45·1	52·3			7·6	3·3		3·3		
(All classes)		17,309	15,472	13	15,485	1,278	83	712	321	–	321	3,536	11,019
	%	44·2	49·3	2·4	48·5			1·8	1·0		1·0		

REGION–4

Table 5 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	174	44	–	44	17	391	1,348	321	–	321	2	6
	%	3·8	7·6		7·2			29·3	55·9		53·2		
2	1.00 – 1.99	287	332	–	332	7	21	54	18	–	18	–	–
	%	7·1	12·6		10·6			1·3	·7		·6		
3	2·00 – 3.99	789	779	–	779	7	9	831	561	–	561	1	2
	%	18·1	22·9		22·9			19·1	16·5		16·5		
4	4.00 – 9.99	1,638	946	–	946	25	26	4,234	6,217	–	6,217	19	3
	%	9·0	5·5		5·5			23·4	35·9		35·9		
5	10 & More	650	313	–	313	22	70	3,135	2,472	–	2,472	7	3
	%	8·1	4·2		4·2			38·8	33.2		33·1		
(All classes)		3,538	2,413	–	2,413	78	32	9,602	9,589	–	9,589	29	3
%		9·0	7·7		7·6			24·5	30·6		30·0		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H· Y· V· & other variety is with respect to total area under the crop.

3) Percentage of treated area under H· Y· V·, other variety & total area treated with different input is with respect to respective area under the crop.

Table 6 *ESTIMATED IRRIGATED AREA UNDER COTTON COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1·00	1,41,722	81,179	662	91	–	91
	%			·5	100·0	–	·1
2	1·00 – 1·99	2,04,844	3,02,356	810	68	228	296
	%			·2	22·9	77·1	–
3	2·00 – 3·99	3,05,517	8,83,074	1,942	17	143	160
	%			·7	10,8	89·2	–
4	4·00 – 9·99	3,73,522	23,33,210	4,852	2,898	540	3,437
	%			1·3	84·3	15·7	·1
5	10 & More	1,22,847	17,71,160	2,580	648	742	1,390
				2·1	46·6	53·4	·1
(All classes)		11,48,452	53,70,979	10,846	3,722	1,652	5,374
	%			·8	69·3	30·7	·1

Table 6 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	–	–	–	–	–	–	448	455	–	455	46	101
	%							9·2	15·7		13·2		
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
(All classes)		–	–	–	–	–		448	455	–	455	46	101
	%							4·1	12·2		8·5		

REGION–4

Table 6 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	662	91	–	91	15	165	547	53	–	53	9	170
	%	100·0	100·0		100·0			82·6	58·7		58·7		
2	1·00 – 1·99	727	68	153	221	26	118	380	–	153	153	37	242
	%	89·8	100·0	67·1	74·7			46·9		67·1	51·7		
3	2·00 – 3·99	661	17	33	50	9	180	1,114	–	60	60	15	250
	%	34·0	100·0	23·2	31·5			57·4	–	42·3	37·7		
4	4·00 – 9·99	3,919	2,712	212	2,924	555	190	2,478	626	89	715	121	169
	%	80·8	93·6	39·3	85·1			51·1	21·6	16·6	20·8		
5	10 & More	1,350	301	448	749	100	134	1,361	394	448	841	142	169
	%	52·3	46·4	60·4	53·9			52·8	60·7	60·4	60·5		
	(All classes)	7,319	3,189	846	4,035	705	175	5,880	1,073	751	1,823	324	179
	%	67·5	85·7	51·2	75·1			54·2	28·8	45·4	33·9		

Table 6 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Campost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	547	53	–	53	8	151	–	–	–	–	–	–
	%	82·6	58,7		58·7								
2	1·00 – 1·99	101	21	–	21	4	190	–	–	–	–	–	–
	%	12·5	31·1		7·1								
3	2·00 – 3·99	104	17	–	17	2	116	–	–	–	–	–	–
	%	5·4	100·0		10·8								
4	4·00 – 9·99	1,744	959	–	959	86	90	–	–	–	–	–	–
	%	35·9	33·1		27·9								
5	10 & More	1,849	421	408	829	154	186	–	–	–	–	–	–
	%	71·7	65·0	55·0	59·6								
	(All classes)	4,345	1,472	408	1,880	254	135	–	–	–	–	–	–
	%	40·1	39·5	24·7	35·0								

REGION–4

Table 6 (Contd,)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Dusting: Area treated H.Y.V.	Pesticide by Dusting: Area treated Others	Pesticide by Dusting: Area treated Total (46+47)	Pesticide by Dusting: Quantity Applied Total M.T.	Pesticide by Dusting: Quantity Applied Kg/ha 49/48	Pesticide by Spraying: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Spraying: Area treated H.Y.V.	Pesticide by Spraying: Area treated Others	Pesticide by Spraying: Area treated Total (52+53)	Pesticide by Spraying: Quantity Applied Kilo Lt	Pesticide by Spraying: Quantity Applied Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	
1	Below 1·00	–	–	–	–	–	–	662	91	–	91	1	11
	%							100·0	100·0		100·0		
2	1·00 – 1·99	481	21	153	174	–	–	727	68	153	221	–	–
	%	59·4	31·1	67·1	58·9			89·8	100·0	67·1	74·7		
3	3·00 – 3·99	1,114	–	66	66	1	15	1,218	17	60	78	1	13
	%	57·4		46·2	41·2			62·7	100·0	42·3	48·5		
4	4·00 – 9·99	2,224	1,731	–	1,731	36	21	3,919	2,712	212	2,924	8	3
	%	45·8	59·7		50·4			80·8	93·6	39·3	85·1		
5	10 & More	282	18	239	257	–	–	1,058	411	90	501	3	6
	%	10·9	2·7	32·2	18·5			41·0	63·4	12·1	36·1		
	(All classes)	4,101	1,770	458	2,228	37	17	7,584	3,299	516	3,814	13	3
	%	37·8	47·6	27·7	41·5			69·9	88·6	31·2	71·0		

NOTE :-

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respective area under the crop.

REGION-4
(INLAND CENTRAL)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 7 *ESTIMATED IRRIGATED AREA UNDER RABI JOWAR COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,41,722	81,179	4,410	177	1,269	1,446
	%			3,3	12·2	87·8	1·7
2	1·00 – 1·99	2,04,844	3,02,356	9,588	1,504	5,749	7,253
	%			2·0	20·7	79·3	1·0
3	2·00 – 3·99	3,05,517	8,83,074	14,326	1,997	9,706	11,704
	%			4·8	17·1	82,9	1·4
4	4·00 – 9·99	3,73,522	23,33,210	19,582	3,797	18,049	21,847
	%			5·2	17·4	82·6	·9
5	10 & More	1,22,847	17,71,160	10,862	4,343	24,902	29,246
	%			8·8	14·9	85·1	1·6
(All classes)		11,48,452	53,70,979	58,768	11,818	59,677	71,495
	%			4·2	16·5	83·5	1·2

Table 7 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	54	–	38	38	2	53	–	–	–	–	–	–
	%	·6		·7	·5								
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	320	–	620	620	31	50	213	21	–	21	5	235
	%	1·6		3·4	2·8			1·1	·6		·1		
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
(All classes)		374	–	658	658	33	50	213	21	–	21	5	235
	%	·6		1·1	·9			·4	·2		–		

REGION–4

Table–7 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00	–	–	–	–	–	–	1,237	–	253	253	35	139
	%							28.0		19.9	17.5		
2	1.00 – 1.99	54	–	41	41	2	48	2,926	531	1,120	1,652	214	130
	%	·6		·7	·6			30.5	35.3	19·5	22.8		
3	2.00 – 3.99	373	–	253	253	11	44	3,010	817	1,421	2,238	225	101
	%	2·6		2·6	2·2			21.0	40.9	14·6	19.1		
4	4.00 – 9.99	787	189	–	189	11	58	2,743	168	2,749	2,917	331	113
	%	4.0	5·0		1·9			14.0	4·4	15·2	13·4		
5	10 & More	312	–	657	657	76	116	1,800	533	951	1,483	250	169
	%	2.9		2.6	2·2			16.6	12·3	3·8	5·1		
(All classes)		1,526	189	951	1,140	100	88	11,716	2,049	6,493	8,543	1,055	123
%		2·6	1·6	1·6	1·6			19.9	17.3	10.9	11·9		

Table 7 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Campost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1.00	1,364	26	301	327	13	40	99	–	24	24	129	5,337
	%	30.9	14.9	23·7	22·7			2·2		1·9	1·7		
2	1.00 – 1.99	981	–	387	387	35	90	40	–	19	19	119	6,408
	%	10·2		6·7	5·3			·4		·3	·3		
3	2.00 – 3.99	2,927	287	1,774	2,061	54	26	282	–	69	69	65	948
	%	20.4	14.4	18·3	17·6			2·0		·7	·6		
4	4.00 – 9.99	7,038	919	6,291	7,210	304	42	100	–	152	152	475	3,125
	%	35·9	24·2	34·9	33·0			·5		·8	·7		
5	10 & More	2,534	–	7,215	7,215	282	39	810	–	2,064	2,064	2,401	1,163
	%	23·3		29·0	24·7			7·5		8·3	7·1		
(All classes)		14,844	1,233	15,968	17,201	688	40	1,331	–	2,327	2,327	3,189	1,370
%		25·3	10·4	26·8	24·1			2·3		3·9	3·3		

REGION–4

Table 7 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo. Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
4	4.00 – 9.99	192 1·0	62 1·6	–	62 ·3	–	–	192 1·0	62 1·6	–	62 ·3	–	–
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	(All classes)	192	62	–	62	–	–	192	62	–	62	–	–
	%	·3	·5		·1			·3	·5		·1		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–8 *ESTIMATED IRRIGATED AREA UNDER WHEAT COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below– 1.00	1,41,722	81,179	12,060	1,632	1,632	3,264
	%			8.9	50.0	50.0	3.8
2	1.00 – 1.99	2,04,844	3,02,356	22,168	9,066	4,314	13,379
	%			4.6	67.8	32.2	1.8
3	2.00 – 3.99	3,05,517	8,83,074	41,521	16,834	10,693	27,527
	%			14.0	61.2	38.8	3.2
4	4.00 – 9.99	3,73,522	23,33,210	70,228	48,004	17,988	65,992
	%			18.6	72.7	27.3	2.8
5	10 & More	1,22,847	17,71,160	30,426	20,069	11,653	31,722
	%			24.6	63.3	36.7	1.8
	(All classes)	11,48,452	53,70,979	1,76,403	95,604	46,279	1,41,884
	%			12.5	67.4	32.6	2.4

Table–8 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10 + 11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16 + 17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	558	159	106	265	24	90
	%							4.6	9.8	6.5	8.1		
2	1.00 – 1.99	–	–	–	–	–	–	1,644	827	359	1,186	72	61
	%							7.4	9.1	8.3	8.9		
3	2.00 – 3.99	195	37	–	37	4	109	–	–	–	–	–	–
	%	.5	.2		.1								
4	4.00 – 9.99	–	–	–	–	–	–	8,172	16,549	–	16,549	750	45
	%							11.6	34.5		25.1		
5	10 & More	143	–	31	31	21	667	1,508	2,443	963	3,405	478	140
	%	.5		.3	.1			5.0	12.2	8.3	10.7		
	(All classes)	338	37	31	68	25	367	11,882	19,978	1,427	21,405	1,324	62
	%	.2	–	.1	–			6.7	20.9	3.1	15.1		

REGION–4

Table 8 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	4,829	1,023	368	1,391	455	327	4,959	742	663	1,405	554	394
	%	40·0	62·7	22·5	42·6			41·1	45·5	40·6	43·1		
2	1·00 – 1·99	8,281	5,491	1,055	6,545	770	118	7,604	5,259	781	6,039	785	130
	%	37·4	60·6	24·4	48·9			34·3	58·0	18·1	45·1		
3	2·00 – 3·99	17,538	9,278	3,471	12,750	1,324	104	15,586	11,053	2,617	13,670	1,928	141
	%	42·2	55·1	32·5	46·3			37·5	65·7	24·5	49·7		
4	4·00 – 9·99	29,658	31,277	4,302	35,579	2,323	65	27,968	22,682	7,916	30,598	4,072	133
	%	42·2	65·2	23·9	53·9			39·8	47·3	44·0	46·6		
5	10 & More	14,010	12,370	4,392	16,762	1,802	108	11,270	13,030	1,468	14,498	2,094	144
	%	46·0	61·6	37·7	52·8			37·0	64·9	12·6	45·7		
	(All classes)	74,316	59,439	13,588	73,027	6,674	91	67,387	52,766	13,445	66,211	9,433	142
	%	42·1	62·2	29·4	51·5			38·2	55·2	29·1	46·7		

Table 8 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Campost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	2,108	151	420	571	95	166	25	–	7	7	62	8,378
	%	17·5	9·3	25·7	17·5			·2		·5	·2		
2	1·00 – 1·99	4,817	738	1,141	1,879	400	213	–	–	–	–	–	–
	%	21·7	8·1	26·5	14·0								
3	2·00 – 3·99	5,795	1,608	1,552	3,160	508	161	–	–	–	–	–	–
	%	14·0	9·6	14·5	11,5								
4	4·00 – 9·99	9,111	2,000	2,806	4,806	412	86	356	160	–	160	17	106
	%	13·0	4·2	15·6	7·3			,5	·3		·2		
5	10 & More	7,856	4,488	2,562	7,050	966	137	975	327	1,865	2,192	1,562	713
	%	25·8	22,4	22·0	22·2			3·2	1·6	16·0	6·9		
	(All classes)	29,687	8,985	8,482	17,467	2,381	136	1,356	487	1,873	2,360	1,641	695
	%	16·8	9·4	18·3	12·3			·8	·5	4·0	1·7		

REGION–4

Table 8 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Dusting: Area treated H.Y.V.	Pesticide by Dusting: Area treated Others	Pesticide by Dusting: Area treated Total (46+47)	Pesticide by Dusting: Quantity Applied Total M.T.	Pesticide by Dusting: Quantity Applied Kg/ha 49/48	Pesticide by Spraying: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Spraying: Area treated H.Y.V.	Pesticide by Spraying: Area treated Others	Pesticide by Spraying: Area treated Total (52+53)	Pesticide by Spraying: Quantity Applied Kilo Lt	Pesticide by Spraying: Quantity Applied Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	
1	Bleow 1.00	928	116	129	246	11	45	763	44	129	173	1	0
	%	7.7	7.1	7.9	7.5			6.3	2.7	7.9	5.3		
2	1.00 – 1.99	562	551	–	551	28	51	394	192	–	192	125	653
	%	2.5	6.1		4.1			1.8	2.1		1.4		
3	2.00 – 3.99	417	600	–	600	1	2	791	493	92	586	2	3
	%	1.0	3.6		2.2			1.9	2.9	.9	2.1		
4	4.00 – 9.99	3,705	8,499	441	8,941	203	23	5,358	7,860	441	8,301	10	1
	%	5.3	17.7	2.5	13.5			7.6	16.4	2.5	12.6		
5	10 & More	1,319	972	479	1,451	75	52	1.462	2,058	68	2,127	11	5
	%	4.3	4.8	4.1	4.6			4.8	10.3	.6	6.7		
	(All Classes)	6,931	10,740	1,049	11,789	318	27	8,768	10,647	731	11,379	149	13
		3.9	11.2	2.3	8.3			5.0	11.1	1.6	8.0		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

REGION– 4
(INLAND CENTRAL)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT CHEMICAL FERTILIZERS IN IRRIGATED AREA

Table–9

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Irrigated Area under selected Crops	Ammonium Sulphate				Super Phosphate			
		Number	Area			No. of Holdings	S.E.	Area	S.E.	No. of Holdings	S.E. % S.E.	Area	S.E.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Below –1·00	1,41,722	81,179	19,165	5,979	163	160	16	15	558	452	265	215
	%			14·2	7·0	·9	98·2	·3	98·3	2·9	81·0	4·4	81·3
2	1·00 – 1·99	2,04,844	3,02,356	30,892	25,063	54	53	38	37	1,644	1,624	1,185	1,172
	%			6·5	3·4	·2	98·1	·2	98·2	5·3	98·8	4·7	98·8
3	2·00 – 3·99	3,05,517	8,83,074	50,838	45,077	195	191	37	36	–	–	–	–
	%			17·1	5·2	·4	97·9	·1	98·0				
4	4·00 – 9·99	3,73,522	23,33,210	90,703	1,18,338	320	312	620	604	8,385	5,305	17,025	11,002
	%			24·1	5·0	·4	97·5	·5	97·5	9·2	63·3	14·4	64·6
5	10 & More	1,22,847	17,71,160	39,306	74,016	354	250	910	862	1,569	958	3,415	2,009
	%			31·9	4·2	·9	70·6	1·2	94·8	4·0	61·1	4·6	58·8
	(All Classes)	11,48,452	53,70,979	2,30,904	2,68,473	1,086	474	1,620	1,054	12,156	5,648	21,890	11,248
				16·4	4·6	·5	43·6	·6	65·1	5·3	46·5	8·2	51·4

Table–9 (Contd)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Irrigated Area under selected Crops	Chemical Fertilizers							
						Urea				Other Chemical Fertilizers			
		Number	Area			No. of Holdings	S.E.	Area	S.E.	No. of Holdings	S.E.	Area	S.E.
1	2	3	4	5	6	15	16	17	18	19	20	21	22
1	Below– 1·00	1,41,722	81,179	19,165	5,979	5,566	1,856	1,819	553	7,437	2,645	2,253	738
	%			14·2	7·0	29·0	33·3	30·4	30·4	38·8	35·6	37·7	32·8
2	1·00 – 1·99	2,04,844	3,02,356	30,892	25,063	9,596	2,921	7,556	3,244	11,791	2,862	8,292	3,109
	%			6·5	3·4	31·1	30·4	30·1	42·9	38·2	24·3	33·1	37·5
3	2·00 – 3·99	3,05,517	8,83,074	50,838	45,077	22,086	5,268	16,350	4,095	20,376	5,205	16,925	4,653
	%			17·1	5·2	43·4	23·9	36·3	25·0	40·1	25·5	37·5	27·5
4	4·00 – 9·99	3,73,522	23,33,210	90,703	1,18,338	34,548	7,134	42,246	12,266	37,150	7,599	44,971	9,504
	%			24·1	5·0	38·1	20·6	35·7	29·0	41·0	20·5	38·0	21·1
5	10 & More	1,22,847	17,71,160	39,306	74,016	15,960	2,407	21,861	3,881	14,820	2,367	19,774	3,478
	%			31·9	4·2	40·6	15·1	29·5	17·8	37·7	16·0	26·7	17·6
	(All classes)	11,48,452	53,70,979	2,30,904	2,68,473	87,756	9,819	89,831	13,896	91,574	10,277	92,237	11,589
				16·4	4·6	38·0	11·2	33·5	15·5	39·7	11·2	34·3	12·6

REGION–4
(INLAND CENRTRAL)
Table–9 A

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT ORGANIC MANURES AND PESTICIDES IN IRRIGATED AREAS

(Area in hectares)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Irrigated Area under selected Crops	No. of Holdings and Area benefitted by Organic Manures					
						Organic Manures				Pesticides	
						Farm yard Manure		Compost		Pesticides	
		Number	Area			No. of Holdings	Area	No. of Holdings	Area	No. of Holdings	Area
1	2	3	4	5	6	23	24	25	26	27	28
1	Below– 1·00	1,41,722	81,179	19,165	5,979	6,383	1,751	99	32	2,671	744
	%			14·2	7·0	33·3	29·3	·5	·5	13·9	12·4
2	1·00 – 1·99	2,04,844	3,02,356	30,892	25,063	7,325	4,037	40	19	2,024	1,314
	%			6·5	3·4	23·7	16·1	·1	·1	6·6	5·2
3	2·00 – 3·99	3,05,517	8,83,074	50,838	45,077	11,215	9,245	282	69	3,600	1,721
	%			17·1	5·2	22·1	20·5	·6	·2	7·1	3·8
4	4·00 – 9·99	3,73,522	23,33,210	90,703	1,18,338	26,046	24,904	556	388	16,479	26,332
	%			24·1	5·0	28·7	21·0	.6	·3	18·2	22·3
5	10 & More	1,22,847	17,71,160	39,306	74,016	14,807	21,438	1,646	4,623	7,624	6,976
	%			31·9	4·2	37·7	29·0	4·2	6·2	19·4	9·4
	(All classes)	11,48,452	53,70,979	2,30,904	2,68,473	65,776	61,374	2,623	5,130	32,398	37,088
	%			16·4	4·6	28·5	22·9	1·1	1·9	14·0	13·8

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–10 *ESTIMATED NUMBER AND AREA OF HOLDINGS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES AND PESTICIDES IN UNIRRIGATED AREAS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Gross area under selected Crops	Chemical Fertilizers		Organic Manures		Pesticides	
		Number	Area			No. of Holdings benefited	Area Treated	No. of Holdings benefited	Area Treated	No. of Holdings benefited	Area Treated
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,41,722	81,179	1,24,428	66,800	14,984	7,798	33,161	13,891	6,112	2,032
	%			90·5	77·1	12·0	11·7	26·7	20·8	4·9	3·0
2	2·00 – 1·99	2,04,844	3,02,356	1,84,635	2,32,069	23,102	17,156	53,356	45,946	10,910	8,937
	%			92·2	79·3	12·5	7·4	28·9	19·8	5·9	3·9
3	2·00 – 3·99	3,05,517	8,83,074	2,91,286	4,42,237	44,925	48,702	98,442	1,30,492	28,793	23,416
	%			96·7	73·3	15·4	7·6	33·8	20·3	9·9	3·6
4	4·00 – 9·99	3,73,522	23,33,210	3,71,189	16,97,420	75,102	1,18,154	1,56,756	3,91,187	53,290	62,011
	%			97·4	70·6	20·2	7·0	42·2	23·0	14·4	3·7
5	10 & More	1,22,847	17,71,160	1,24,324	11,23,555	35,756	87,243	58,093	2,40,011	24,753	41,675
	%			99·3	62·0	28·8	7·8	46·7	21·4	19·9	3·7
	(All classes)	11,48,452	53,70,979	10,95,862	37,62,080	1,93,869	2,79,052	3,99,808	8,21,526	1,23,858	1,38,071
	%			95·7	68·8	17·7	7·4	36·5	21·8	11·3	3·7

Table 10 'A'

Area in hectares

Sr. No.	Size Class of Holdings	No. of holdings growing one or more selected Crops & Gross unirrigated area		Chemical Fertilizers		Organic Manure		Pesticide	
		No. S.E.	Area S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.
1	2	3	4	5	6	7	8	9	10
1	Below – 1·00	9,824	5,647	5,828	4,240	4,275	1,898	1,769	604
	%	8·0	8·5	39·2	54·7	13·2	14·0	28·9	29·7
2	1·00 – 1·99	2,77,718	2,84,821	3,900	4,429	6,399	6,116	3,079	4,003
	%	59·9	55·1	17·7	26·8	12·3	13·4	28·2	44·8
3	2·00 – 3·99	21,550	52,343	9,039	11,798	10,880	14,341	8,705	7,062
	%	7·5	8·2	20·4	24·5	11·2	11·1	30·2	30·2
4	4·00 – 9·99	24,753	1,27,148	11,035	17,483	16,799	45,261	9,976	11,540
	%	6·7	7·5	14·9	15·0	10·9	11·7	18·7	18·6
5	10 & More	9,988	93,179	5,656	15,896	7,799	28,898	3,263	7,030
	%	8·0	8·3	15·7	18·2	13·4	11·9	13·1	16,8
	(All Classes)	2,80,001	3,29,763	16,871	27,113	22,817	55,950	14,091	15,775
	%	20·5	8·2	8·8	9·8	5·8	6·8	11·4	11·4

REGION–4
(INLAND CENTRAL)

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table 11 *ESTIMATED UNIRRIGATED AREA UNDER PADDY COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,41,722	1 81,179	19,304	–	3,526	3,526
	%			14.0		100.0	4.1
2	1.00 – 1.99	2,04,844	3,02,356	30,804	131	9,506	9,637
	%			15.4	1.4	98.6	3.3
3	2.00 – 3.99	3,05,517	8,83,074	62,784	592	21,797	22,389
	%			20.8	2.6	97.4	2.6
4	4.00 – 9.99	3,73,522	23,33,210	1,03,215	305	60,263	60,568
	%			27.1	.5	99.5	2.5
5	10 & More	1,22,847	17,71,160	43,705	1,530	31,640	33,170
	%			34.9	4.6	95.4	1.8
	(All classes)	11,48,452	53,70,979	2,59,812	2,558	1,26,732	1,29,290
	%			22.7	2.0	98.0	2.4

Table 11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	438	–	22	22	4	183	101	–	21	21	1	47
	%	2.3	–	.6	.6			.5	–	.6	.6		
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	492	–	482	482	120	249
	%							.8		2.2	2.2		
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	85	20	–	20	5	250	170	–	31	31	3	96
	%	.2	1.3		.1			.4		.1	.1		
	(All classes)	523	20	22	42	9	215	763	–	534	534	124	232
	%	.2	.8	–	–			.3		.4	.4		

REGION–4

Table–11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00	1,101	–	267	267	16	60	638	–	177	177	12	68
	%	5.7		7.6	7.6			3.3		5.0	5.0		
2	1.00 – 1.99	600	–	145	145	15	103	667	–	141	141	27	192
	%	1.9		1.5	1.5			2.2		1.5	1.5		
3	2.00 – 3.99	4,666	545	1,907	2,452	235	96	9,305	545	6,212	6,757	437	65
	%	7.4	92.1	8.7	11.0			14.8	92.1	28.5	30.2		
4	4.00 – 9.99	12,123	34	8,424	8,458	639	76	13,038	–	10,156	10,156	729	72
	%	11.7	11.1	14.0	14.0			12.6		16.9	16.8		
5	10 & More	8,051	543	5,299	5,841	427	73	7,006	142	6,287	6,429	520	82
	%	18.4	35.5	16.7	17.6			16.0	9.3	19.9	19.4		
	(All classes)	26,541	1,122	16,042	17,164	1,332	78	30,654	687	22,972	23,659	1,735	73
	%	10.2	43.9	12.7	13.3			11.8	26.9	18.1	18.3		

Table–11 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1.00	7,053	–	1,027	1,027	110	107	–	–	–	–	–	–
	%	36.5		29.1	29.1								
2	1.00 – 1.99	7,153	13	1,593	1,605	144	90	–	–	–	–	–	–
	%	23.2	9.6	16.8	16.7								
3	2.00 – 3.99	21,322	15	9,428	9,443	1,575	167	160	–	84	84	767	9,088
	%	34.0	2.6	43.3	42.2			.3		.4	.4		
4	4.00 – 9.99	32,344	5	24,923	24,928	3,003	120	–	–	–	–	–	–
	%	31.3	1.6	41.4	41.2								
5	10 & More	11,426	89	7,820	7,909	793	100	178	–	201	201	17	84
	%	26.1	5.8	24.7	23.8			.4		.6	.6		
	(All Classes)	79,298	122	44,790	44,913	5,625	125	338	–	286	286	784	2,743
	%	30.5	4.8	35.3	34.7			.1		.2	.2		

REGION–4

Table–11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	130	–	153	153	1	7	–	–	–	–	–	–
	%	·2		·7	·7								
4	4.00 – 9.99	672	–	272	272	5	18	96	–	36	36	–	–
	%	·7		·5	·4			·1		·1	·1		
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
	(All classes)	802	–	425	425	6	14	96	–	36	36	–	–
	%	·3		·3	·3			–		–	–		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

REGION–4
(INLAND CENTRAL)
Table–12

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED UNIRRIGATED AREA UNDER BAJRI COVERED BY DIFFERENT INPUTS

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,41,722	81,179	19,166	91	8,075	8,166
	%			13·9	1·1	98·9	9·4
2	1·00 – 1·99	2,04,844	3,02,356	27,960	206	25,472	25,678
	%			14·0	·8	99·2	8·8
3	2·00 – 3·99	3,05,517	8,83,074	60,111	1,829	83,445	85,274
	%			20·0	2·1	97·9	9·7
4	4·00 – 9·99	3,73,522	23,33,210	77,709	5,324	1,71,487	1,76,810
	%			20·4	3·0	97·0	7·4
5	10 & More	1,22,847	17,71,160	36,647	1,702	1,15,520	1,17,222
	%			29·3	1·5	98·5	6·5
	(All classes)	11,48 452	53,70,979	2,21,593	9,152	4,03,998	4,13,150
	%			19·3	2,2	97,8	7·6

Table 12 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10 + 11)	Total M.T	Kg/ha 13/12		H.Y.V.	Others	Total (16 + 17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	406	–	157	157	10	64
	%							1·5		·6	·6		
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	122	245	–	245	10	41	–	–	–	–	–	–
	%	·3	14·4		·2								
	(All classes)	122	245	–	245	10	41	406	–	157	157	10	64
	%	·1	2·7		·1			·2		–	–		

REGION–4

Table–12 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	855	–	463	463	41	89	–	–	–	–	–	–
	%	3·1		1·8	1·8								
3	2·00 – 3·99	630	326	332	657	33	50	–	–	–	–	–	–
	%	1·0	17·8	·4	·8								
4	4·00 – 9·99	1,196	1,040	1,725	2,765	156	56	741	928	279	1,207	72	60
	%	1·5	19·5	1·0	1·6			1·0	17·4	·2	·7		
5	10 & More	463	926	–	926	44	48	334	–	244	244	39	160
	%	1·3	54·4		·8			·9		·2	·2		
	(All classes)	3,144	2,292	2,520	4,812	274	57	1,075	928	523	1,451	111	76
	%	1·4	25·0	·6	1·2			·5	10·1	·1	·4		

Table–12 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	2,014	83	746	829	91	110	–	–	–	–	–	–
	%	10·5	91·2	9·2	10·2								
2	1·00 – 1·99	3,530	24	2,066	2,090	145	69	194	–	10	10	1	103
	%	12·6	11·6	8·1	8·1			·7		–	–		
3	2·00 – 3·99	3,404	70	4,492	4,562	265	58	–	–	–	–	–	–
	%	5·7	3·8	5·4	5·3								
4	4·00 – 9·99	10,661	2,313	25,139	27,452	1,681	61	320	–	124	124	6	48
	%	13·7	43·4	14·7	15·5					·1	·1		
5	10 & More	7,113	115	18,524	18,638	986	53	–	–	–	–	–	–
	%	19·4	6·7	16·0	15·9								
	(All classes)	26,722	2,605	50,966	53,571	3,168	59	514	–	134	134	7	52
	%	12·1	28·5	12·6	13·0			·2		–	–		

REGION–4

Table–12 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below– 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	354	332	–	332	13	39	–	–	–	–	–	–
	%	·6	18·1		·4								
4	4.00 – 9.99	760	1,147	–	1,147	62	54	191	107	–	107	–	–
	%	1·0	21·5		·6			·2	2·0		·1		
5	10 & More	341	682	–	682	27	40	122	245	–	245	20	82
	%	·9	40.0		·6			·3	14·4		·2		
	(All classes)	1,455	2,160	–	2,160	102	47	313	351	–	351	20	57
	%	·7	23.6		·5			·1	3·8		·1		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 13 *ESTIMATED UNIRRIGATED AREA UNDER KHARIF JOWAR COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,41,722	81,179	65,184	15,113	17,141	32,254
	%			47.2	46.9	53.1	37.1
2	1.00 – 1.99	2,04,844	3,02,356	99,139	30,252	59,999	90,251
	%			49.5	33.5	66.5	30.8
3	2.00 – 3.99	3,05,517	8,83,074	1,66,773	70,350	1,75,213	2,45,563
	%			55.4	28.6	71.4	28.0
4	4.00 – 9.99	3,73,522	23,33,210	2,31,271	1,40,894	4,12,627	5,53,522
	%			60.7	25.5	74.5	23.0
5	10 & More	1,22,847	17,71,160	79,592	1,06,459	2,53,809	3,60,268
	%			63.6	29.5	70.5	19.9
	(All classes)	11,48,452	53,70,979	6,41,959	3,63,067	9,18,791	12,81,857
	%			56.0	28.3	71.7	23.4

Table 13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	2	–	2	–	–
	%								–		–		
2	1.00 – 1.99	–	–	–	–	–	–	924	335	149	484	35	72
	%							.9	1.1	.2	.5		
3	2.00 – 3.99	824	1,720	–	1,720	72	42	1,370	892	–	892	84	94
	%	.5	2.4		.7			.8	1.3		.4		
4	4.00 – 9.99	394	192	–	192	19	99	1,763	1,838	–	1,838	112	61
	%	.2	.1	–				.8	1.3		.3		
5	10 & More	327	–	456	456	32	70	646	502	–	502	32	64
	%	.4		.2	.1			.8	.5		.1		
	(All classes)	1,545	1,912	456	2,368	123	52	4,703	3,569	149	3,718	263	71
	%	.2	.5		.2			.7	1.0	–	.3		

REGION–4

Table–13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings	Area treated			Quantity Applied		No. of Holdings	Area treated			Quantity Applied	
		treated (% w.r.t. col. 5)	H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24	treated (% w.r.t. col. 5)	H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below– 1·00	8,986	5,637	160	5,797	295	51	3,393	1,398	–	1,398	162	116
	%	13·8	37·3	·9	18·0			5·2	9·3		4·3		
2	10·0 – 1·99	8,5,85	7,051	516	7,568	517	68	11,394	9,349	733	10,082	887	88
	%	8·7	23·3	·9	8·4			11·5	30·9	1·2	11·2		
3	2·00 – 3·99	11,874	9,971	996	10,967	828	75	27,168	25,498	312	25,810	2,369	92
	%	7·1	14·2	·6	4·5			16·3	36·2	·2	10·5		
4	4·00 – 9·99	25,647	33,667	1,326	34,993	3,266	93	34,191	39,214	5,558	44,771	4,206	94
	%	11·1	23·9	·3	6·3			14·8	27·8	1·3	8·1		
5	10 & More	14,705	27,030	1,872	28,902	2,180	75	17,102	29,094	387	29·481	2,947	100
	%	18·5	25·4	·7	8·0			21·5	27·3	·2	8·2		
	(All classes)	69,797	83,356	4,871	88,227	7,086	80	93,248	1,04,553	6,990	1,11,543	10,571	95
	%	10·9	23·0	·5	6·9			14·5	28·8	·8	8·7		

Table 13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings	Area treated			Quantity Applied		No. of Holdings	Area treated			Quantity Applied	
		treated (% w.r.t. col. 5)	H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36	treated (% w.r.t. col. 5)	H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	16,757	4,556	3,024	7,581	764	101	501	196	89	285	333	1,169
	%	25·7	30·1	17·6	23·5			·8	1·3	·5	·9		
2	1·00 – 1·99	24,646	8,982	7,778	16,759	1,363	81	1,002	506	52	557	29	52
	%	24·9	29·7	13·0	18·6			1·0	1·7	·1	·6		
3	2·00 – 3·99	45,409	24,443	25,392	49,835	2,670	54	974	326	31	357	1,389	3,895
	%	27·2	34·7	14·5	20·3			·6	·5	–	·1		
4	4·00 – 9·99	69,701	54,895	69,727	1,24,622	9,718	78	2,938	1,671	1,639	3,311	288	87
	%	30·1	39·0	16·9	22·5			1·3	1·2	·4	·6		
5	10 & More	29,883	38,876	36,045	74,921	3,926	52	650	650	–	650	1,102	1,696
	%	37·5	36·5	14·2	20·8			·8	·6		·2		
	(All classes)	1,86,396	1·31,752	1,41,967	2,73,718	18,441	67	6,065	3,349	1,810	5,159	3,141	609
	%	29·0	36·3	15·5	21·4			·9	·9	·2	·4		

REGION–4

Table 13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	2,283	706	70	776	20	26	2,163	996	–	996	2	2
	%	3.5	4.7	.4	2.4			3.3	6.6	–	3.1		
2	1.00 – 1.99	5,929	5,864	63	5,927	150	25	6,428	6,547	–	6,547	28	4
	%	6.0	19.4	.1	6.6			6.5	21.6	–	7.3		
3	2.00 – 3.99	9,804	6,984	510	7,495	214	29	17,148	16,000	–	16,000	25	2
	%	5.9	9.9	.3	3.1			10.3	22.7	–	6.5		
4	4.00 – 9.99	19,800	22,276	189	22,465	516	23	32,209	34,204	–	34,204	62	2
	%	8.6	15.8	–	4.1			13.9	24.3	–	6.2		
5	10 & More	10,015	16,614	–	16,614	486	29	13,208	18,854	15	18,869	261	14
	%	12.6	15.6		4.6			16.6	17.7	–	5.2		
	(All classes)	47,831	52,444	833	53,277	1,386	26	71,156	76,601	15	76,616	378	5
	%	7.5	14.4	.1	4.2			11.1	21.1	–	6.0		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

REGION–4
(INLAND CENTRAL)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 14 *ESTIMATED UNIRRIGATED AREA UNDER COTTON COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1·00	1,41,722	81,179	8,677	560	2,035	2,594
	%			6·3	21·6	78·4	3·0
2	1.00 – 1.99	2,04,844	3,02,356	29,954	2,096	20,639	22,736
	%			15·0	9·2	90·8	7·8
3	2.00 – 3.99	3,05,517	8,83,074	77,383	5,837	68,538	74,374
	%			25·7	7·8	92·2	8·5
4	4.00 – 9.99	3,73,522	23,33,210	1,36,193	17,924	2,46,043	2,63,967
	%			35·7	6·8	93·2	11·0
5	10 & More	1,22,847	17,71,160	54,613	13,355	1,84,996	1,98,351
	%			43·6	6·7	93·3	11·0
	(All classes)	11,48,452	53,70,979	3,06,820	39,772	5,22,250	5,62,023
	%			26·8	7·1	92·9	10·3

Table 14 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	575	119	395	514	14	27	278	–	395	395	11	28
	%	·7	2·0	·6	·7			·4		·6	·5		
4	4.00 – 9.99	–	–	–	–	–	–	388	149	–	149	19	128
	%							·3	·8		·1		
5	10 & More	46	18	–	18	2	113	96	108	–	108	10	93
	%	·1	·1					·2	·8		·1		
	(All classes)	621	137	395	532	16	30	762	256	395	652	40	61
	%	·2	·3	·1	·1			·2	·6	·1	·1		

REGION–4

Table 14 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Others	Total (22+23)	Quantity Applied Total M.T.	Kg/ha 25/24	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Others	Total (28+29)	Quantity Applied Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below– 1·00	2,587	520	16	536	79	147	2,557	532	–	532	71	133
	%	29·8	92·9	·8	20·7			29·5	95·1	–	20·5		
2	1·00 – 1·99	2,079	1,442	25	1,466	76	52	2,306	1,265	148	1,413	191	135
	%	6·9	68·8	·1	6·4			7·7	60·3	·7	6·2		
3	2·00 – 3·99	4,810	2,369	471	2,840	263	93	4,904	2,381	284	2,664	361	136
	%	6·2	40·6	·7	3·8			6·3	40·8	·4	3·6		
4	4.00 – 9·99	8,352	7,760	1,697	9,457	720	76	13,105	12,259	1,106	13,365	1,331	100
	%	6·1	43·3	·7	3·6			9·6	68·4	·4	5·1		
5	10 & More	5,161	3,993	3,999	7,992	865	108	6,046	7,200	272	7,472	825	110
	%	9·5	29·9	2·2	4·0			11·1	53·9	·1	3·8		
	(All classes)	22,989	16,083	6,208	22,291	2,003	90	28,918	23,637	1,810	25,447	2,779	109
	%	7·5	40·4	1·2	4·0			9·4	59·4	·3	4·5		

Table 14 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Others	Total (34+35)	Quantity Applied Total 00 M.T.	qt/ha 37/36	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V	Others	Total (40+41)	Quantity Applied Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below –1·00	3,511	338	618	955	123	129	93	–	20	20	1	50
	%	40·5	60·4	30·3	36·8			1·1		1·0	·8		
2	1·00 – 1·99	11,020	812	7,936	8,748	583	67	305	–	144	144	1,201	8,336
	%	36·8	38·7	38·5	38·5			1·0		·7	·6		
3	2·00 – 3·99	27,335	2,363	18,896	21,259	2,121	100	744	524	–	524	58	111
	%	35·3	40·5	27·6	28·6			1·0	9·0		·7		
4	4.00 – 9·99	43,853	7,903	58,143	66,046	3,100	47	1,713	1,449	–	1,449	78	54
	%	32·2	44·1	23·6	25·0			1·3	8·1		·5		
5	10 & More	19,290	6,365	59,093	65,458	3,216	49	512	634	307	941	46	49
	%	35·3	47·7	31·9	33·0			·9	4·7	·2	·5		
	(All classes)	1,05,009	17,780	1,44,687	1,62,467	9,143	56	3,367	2,607	471	3,079	1,384	450
	%	34·2	44·7	27·7	28·9			1·1	6·6	·1	·5		

REGION–4

Table–14 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	2,025	426	–	426	10	23	2,166	452	–	452	4	9
	%	23·3	76·1		16.4			25·0	80·7		17·4		
2	1.00 – 1.99	1,400	632	–	632	15	24	2,727	1,002	172	1,174	13	11
		4·7	30·2		2·8			9,1	47·8	·8	5·2		
3	2·00 – 3·99	3,249	1,517	–	1,517	19	13	5,543	2,954	–	2,954	12	4
	%	4,2	26·0		2·0			7·2	50·6		4·0		
4	4·00 – 9.99	4,204	4,176	124	4,300	52	12	14,402	13,423	1,302	14,724	34	2
		3·1	23·3	·1	1·6			10·6	74·9	·5	5·6		
5	10 & More	718	508	–	508	20	39	7,644	8,969	261	9,229	24	3
	%	1·3	3·8		·3			14,0	67·2	·1	4·7		
	(All classses)	11,596	7,259	124	7,383	116	16	32,482	26,799	1,734	28,534	87	3
	%	3·8	18·3	–	1·3			10·6	67·4	·3	5·1		

NOTE :-

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H· Y· V· & other variety is with respect to total area under the crop·

3) Percentage of treated area under H· Y· V., other variety & total area treated with different input is with respect to respective area under the crop·

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 15 *ESTIMATED UNIRRIGATED AREA UNDER RABI JOWAR COVERED BY DIFFERENT INPUTS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings: Number	Total Holdings: Area	No. of Holdings growing the Crop	Unirrigated Area under Crop: H.Y.V.	Unirrigated Area under Crop: Others	Unirrigated Area under Crop: Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,41,722	81,179	36,372	2,610	15,864	18,474
				26·3	14·1	85·9	21·2
2	1.00 – 1.99	2,04,844	3,02,356	74,763	8,422	67,652	76,073
				37·3	11·1	88·9	26·0
3	2.00 – 3.99	3,05,517	8,83,074	1,26,200	14,613	1,76,944	1,91,557
				41·9	7·6	92,4	21·9
4	4.00 – 9.99	3,73,522	23,33,210	1,78,896	38,117	5,25,982	5,64,099
				46·9	6·8	93·2	23·5
5	10 & More	1,22,847	17,71,160	63,766	40,556	3,21,224	3,61,780
				50·9	11.2	88·8	20·0
(All classes)		11,48,452	53,70,979	4,79,997	1,04,317	11,07,666	12,11,983
%				41·9	8·6	91·4	22·2

Table 15 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate: No. of Holdings treated (% w.r.t. col. 5)	Ammonium Sulphate: Area treated: H.Y.V.	Ammonium Sulphate: Area treated: Others	Ammonium Sulphate: Area treated: Total (10+11)	Ammonium Sulphate: Quantity Applied: Total M.T.	Ammonium Sulphate: Quantity Applied: Kg/ha 13/12	Super Phosphate: No. of Holdings treated (% w.r.t. col. 5)	Super Phosphate: Area treated: H.Y.V.	Super Phosphate: Area treated: Others	Super Phosphate: Area treated: Total (16+17)	Super Phosphate: Quantity Applied: Total M.T.	Super Phosphate: Quantity Applied: Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
		–		–									
2	1.00 – 1.99	54	–	37	37	2	55	–	–	–	–	–	–
		·1	–	·1									
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
		–		–									
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
		–		–									
5	10 & More	204	–	984	984	8	8	290	–	394	394	19	48
		·3		·3	·3			·5		·1	·1		
(All classes)		258	–	1,021	1,021	10	10	290	–	394	394	19	48
%		·1		·1	·1			·1		–	–		

REGION–4

Table 15 (Contd-)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below– 1·00	–	–	–	–	–	–	189	–	35	35	3	86
	%	–	–	–	–	–	–	·5	–	·2	·2		
2	1·00 – 1·99	–	–	–	–	–	–	1,836	–	555	555	80	144
	%	–	–	–	–	–	–	2·5	–	·8	·7		
3	2·00 – 3·99	–	–	–	–	–	–	1,924	403	1,572	1,975	232	117
	%	–	–	–	–	–	–	1·5	2·8	·9	1·0		
4	4·00 – 9·99	3,323	–	3,148	3,148	269	85	2,573	–	3,546	3,546	240	68
	%	1·9	–	·6	·6	–	–	1·4	–	·7	·6		
5	10 & More	630	204	348	552	32	58	1,999	776	5,303	6,079	343	56
	%	1·0	·5	·1	·2	–	–	3·1	1·9	1·7	1·7	–	–
	(All classes)	3,953	204	3,496	3,700	301	81	8,521	1,180	11,010	12,190	898	74
	%	·8	·2	·3	·3	–	–	1·8	1·1	1·0	1·0		

Table 15 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below– 1·00	6,376	87	2,961	3,048	191	63	–	–	–	–	–	–
	%	17·5	3·3	18·7	16·5			–	–	–	–	–	–
2	1·00 – 1·99	15,320	917	13,858	14,775	913	62	257	–	110	110	494	4,499
	%	20·5	10·9	20·5	19·4			·3	–	·2	·1		
3	2·00 – 3·99	26,221	1,572	39,258	40,830	1,830	45	220	–	102	102	94	925
	%	20·8	10·8	22·2	21·3			·2	–	·1	·1		
4	4·00 – 9·99	38,054	649	1,26,485	1,27,134	3,569	28	2,068	–	5,041	5,041	6,403	1,270
	%	21·3	1·7	24·0	22·5			1·2	–	1·0	·9		
5	10 & More	13,673	1,434	60,036	61,470	2,028	33	1,462	40	3,551	3,591	698	194
	%	21·4	3·5	18·7	17·0			2·3	·1	1·1	1·0		
	(All classes)	99,644	4,659	2,42,599	2,47,258	8,531	35	4,007	40	8,803	8,843	7,689	870
	%	20·8	4·5	21·9	20·4			·8	–	·8	·7		

REGION-4

Table 15 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below- 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	588	403	–	403	1	2
	%							·5	2·8		·2		
4	4.00 – 9.99	1,139	–	498	498	50	100	1,139	–	498	498	1	2
	%	·6		·1	·1			·6		·1	·1		
5	10 & More	538	164	348	512	27	53	538	164	348	512	1	2
	%	·8	·4	·1	·1			·8	·4	·1	·1		
	(All classes)	1,677	164	847	1,011	77	76	2,265	567	847	1,414	3	2
	%	·3	·2	·1	·1			·5	·5	·1	·1		

NOTE :-

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other yariety & total area treated with different input is with respect to respective area under the crop.

REGION–4
(INLAND CENTRAL)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 16 *ESTIMATED UNIRRIGATED AREA UNDER WHEAT COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below– 1·00	1,41,722	81,179	8,053	224	1,695	1,920
	%			5·8	11·7	88·3	2·2
2	1·00 – 1·99	2,04,844	3,05,356	16,286	2,053	5,662	7,705
	%			8·1	26·6	73·4	2·6
3	2·00 – 3·99	3,04,517	8,83,074	46,503	1,219	21,873	23,092
	%			15·4	5·3	94·7	2·6
4	4·00 – 9·99	3,73,522	23,33,210	72,895	3,180	75,291	78,471
	%			19·1	4·1	95·9	3·3
5	10 & More	1,22,847	17,71,160	32,708	4,094	48,681	52,775
	%			26·1	7·8	92·2	2·9
	(All classes)	11,48,452	53,70,979	17,6,445	10,771	1,53,193	1,63,963
	%			15·4	6·6	93·4	3·0

Table 16 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below– 1·00	196	20	–	20	2	102	–	–	–	–	–	–
	%	2·4	8·7		1·0								
2	1·00 – 1·99	136	–	3	3	4	1,227	–	–	–	–	–	–
	%	·8		·1	–								
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	85	99	–	99	10	101	43	43	43	85	4	47
	%	·3	2·4		·2			·1	·1	·1	·2		
	(All classes)	417	119	3	122	16	131	43	43	43	85	4	47
	%	·2	1·1	–	·1			–	·4		·1		

REGION–4

Table 16 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22 + 23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28 + 29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	758	–	240	240	36	150	622	177	–	177	29	163
	%	4·7		4·2	3·1			3·8	8·6		2.3		
3	2·00 – 3·99	783	–	571	571	38	67	248	78	–	78	13	168
	%	1·7		2·6	2.5			·5	6·4		.3		
4	4·00 – 9·99	1,312	177	2,486	2,662	131	49	202	244	–	244	8	33
	%	1·8	5·6	3·3	3·4			·3	7·7		.3		
5	10 & More	390	142	249	391	27	69	572	8	1,019	1,026	92	90
	%	1·2	3·5	·5	·7			1·7	·2	2·1	1·9		
	(All classes)	3,243	319	3,545	3,864	232	60	1,644	507	1,019	1,526	142	93
	%	1·8	3·0	2,3	2·4			·9	4.7	·7	·9		

Table 16 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34 + 35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40 + 41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	1450	26	125	151	21	139	–	–	–	–	–	–
	%	18·0	11·7	7·4	7·9								
2	1·00 – 1·99	2,352	279	871	1,150	92	80	–	–	–	–	–	–
	%	14·4	13·6	15.4	14,9								
3	2·00 – 3·99	6,687	977	2,522	3,499	236	67	–	–	–	–	–	–
	%	14·4	80·2	11·5	15,2								
4	4·00 – 9·99	12,745	2,509	8,509	11,017	704	64	579	–	67	67	10	150
	%	17.5	78·9	11,3	14.0			·8		·1	.1		
5	10 & More	4849	253	5,912	6,165	375	61	178	–	67	67	4	60
	%	14.8	6·2	12·1	11.7			·5		·1	.1		
	(All classes)	28,083	4,045	17,939	21,983	1,428	65	757	–	134	134	14	104
	%	15,9	37·6	11.7	13·4			·4		.1	·1		

REGION–4

Table–16 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below– 1·00 %	–	–	–	–	–	–	–	–	–	–	–	–
2	1·00 – 1·99 %	–	–	–	–	–	–	–	–	–	–	–	–
3	2·00 – 3·99 %	–	–	–	–	–	–	–	–	–	–	–	–
4	4·00 – 9·99 %	–	–	–	–	–	–	–	–	–	–	–	–
5	10 & More %	–	–	–	–	–	–	–	–	–	–	–	–
	(All classes) %	–	–	–	–	–	–	–	–	–	–	–	–

NOTE –

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respective area under the crop.

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–17 *ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT CHEMICAL FERTILIZERS IN UNIRRIGATED AREAS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Number and Area benefitted by Chemical Fertilizers									
				No. of Holdings Growing one or more selected Crops	Unirrigated Area under selected Crops	Ammonium Sulphate				Super Phosphate			
		Number	Area			No. of Holdings	S.E. % S.E	Area	S.E. % S.E.	No. of Holdings	S.E. % S.E	Area	S.E. % S.E
		3	4	5	6	7	8	9	10	11	12	13	14
1	Below – 1·00	1,41,722	81,179	1,24,428	66,800	634	474	41	29	101	99	24	21
	%			90·5	77·1	·5	74·8	·1	69·9	·1	98·0	–	87·9
2	1·00 – 1·99	2,04,844	3,02,356	1,84,635	2,32,069	136	133	40	39	924	501	641	363
	%			92·2	79·3	·1	97·8	–	98·1	·5	54·2	·3	56·7
3	2·00 – 3·99	3,05,517	8,83,074	2,91,286	6,42,237	824	595	2,234	1,652	2,140	1,028	1,769	819
	%			96·7	73·3	·3	72·2	·3	73·9	·7	48·0	·3	46·3
4	4.00 – 9·99	3,73,522	23,33,210	3,71,189	16,97,420	394	390	192	190	2,151	1,005	1,986	1,206
	%			97·4	70·6	·1	99·0	–	98·8	·6	46·7	·1	60.7
5	10 & More	1,22,847	17,71,160	1,24,324	11,23,555	699	299	1,822	1,036	989	496	1,119	491
	%			99·3	62·0	·6	42·8	·2	56·9	·8	50·2	·1	43.9
	(All classes)	11,48,452	53,70,979	10,95,862	37,62,080	2,687	916	4,329	1,960	6,305	1,604	5,540	1,581
	%			95·7	68·8	.2	84·1	.1	45·3	·6	25·4	·1	28·5

Table –17 (Contd)

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Unirrigated Area under selected Crops	Chemical Fertilizers							
						Urea				Other Chemical Fertilizers			
		Number	Area			No. of Holdings	S.E.	Area	S.E.	No. of Holdings	S.E.	Area	S.E.
1	2	3	4	5	6	15	16	17	18	19	20	21	22
1	Below – 1·00	1,41,722	81,179	1,24,428	66,800	12,142	5,820	6,600	4,299	5,529	1,615	2,142	554
	%			90·5	77·1	9·8	47·9	9·9	65·1	4·4	29·2	3·2	25·9
2	1·00 – 1·99	2,04,844	3,02,356	1,84,635	2,32,069	12,232	3,309	9,882	4,138	15·350	3,247	12,368	4,249
	%			92.2	79·3	6.6	27·1	4·3	41·9	8·3	21·2	5·3	34·4
3	2·00 – 3·99	3,05,517	8,83,074	2,91,286	6,42,237	19,923	3,431	17,487	4,326	33,674	8,994	37,283	11,254
	%			96.7	73·3	6·8	17.2	2·7	24·7	11·6	26·7	5·8	30·2
4	4·00 – 9·99	3,73,522	23,33,210	3,71,189	16,97,420	45,842	9,748	61,482	10,572	45,242	6,897	73,290	15,642
	%			97.4	70·6	12·4	21·3	3·6	17·2	12·2	15·2	4·3	21·3
5	10 & More	1,22,847	17,71,160	1,24,324	11,23,555	21,796	3,467	44,606	1,12,35	23,214	4,878	50,731	11,316
	%			99.3	62.0	17·5	15.9	4·0	25·2	18·7	21·0	4·5	22·3
	(All classes)	11,48,452	53,70,979	10,95,862	37,62,080	1,11,935	12,792	1,40,057	17,097	1,23,009	12,861	1,75,816	22,754
	%			95·7	68·8	10·2	11.4	3·7	12·2	11·2	10·5	4·7	12·9

REGION 4
(INLAND CENTRAL)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–17 A *ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT ORGANIC MANURES AND PESTICIDES IN UNIRRIGATED AREAS*

(Area in hectares)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	un Irrigated Area under selected Crops	No. of Holdings and Area benefitted by Organic Manures					
						Organic Manures				Pesticides	
						Farm yard Manure		Compost		Pesticides	
		Number	Area			No. of Holdings	Area	No. of Holdings	Area	No. of Holdings	Area
1	2	3	4	5	6	23	24	25	26	27	28
1	Below – 1·00	1,41,722	81,179	1,24,428	66,800	32,660	13,586	501	305	6,112	2,032
	%			90.5	77.1	26.2	20.3	·4	·5	4.9	3.0
2	1·00 – 1·99	2,04,844	3,02,356	1,84,635	2,32,069	51,895	45,125	1,435	821	10,910	8,937
	%			92.2	79.3	28.1	19.4	.8	·4	5.9	3.9
3	2·00 – 3·99	3,05,517	8,83,074	2,91,286	6,42,237	97,017	1,29,426	1,425	1,067	28,793	23,416
	%			96.7	73.3	33.3	20.2	.5	.2	9.9	3.6
4	4·00 – 9·99	3,73,522	23,33,210	3,71,189	16,97,420	1,51,224	3,81,195	5,532	9,992	53,290	62,011
	%			97.4	70.6	40.7	22.5	1·5	·6	14·4	3.7
5	10 & More	1,22,847	17,71,160	1,24,324	11,23,555	55,831	2,34,560	2,262	5,451	24,753	41,675
	%			99.3	62.2	44.9	20.9	1·8	·5	19.9	3.7
	(All classes)	11,48,452	53,70,979	10,95,862	37,62,080	3,88,627	6,03,892	11,155	17,635	1,23,858	1,38,071
	%			95.7	68.8	35.5	21·4	1.0	·5	11.3	3.7

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table–18 *ESTIMATED NUMBER OF CATTLE REPORTED BY OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		Males over 3 years				Females over 3 years			
		Number	Area	No. of Holdings reporting males	Working	Others	Total Males (6+7)	No. of Holdings reporting females	In Milk	Others	Total Females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,41,722	81,179	47,827	92,981	3,638	96,619	41,786	51,492	20,052	71,544
2	1·00 – 1·99	2,04,844	3,02,356	91,736	1,78,340	12,882	1,91,222	77,042	94,028	40,381	1,34,409
3	2·00 – 3·99	3,05,517	8,83,074	2,02,869	4,44,122	30,624	4,74,746	1,61,271	2,13,223	71,501	2,84,724
4	4·00 – 9·99	3,73,522	23,38,210	3,12,183	7,23,893	61,110	7,85,003	2,51,818	3,90,617	1,35,981	5,26,598
5	10 & More	1,22,847	17,71,160	1,14,206	3,78,517	35,277	4,13,794	96,223	1,89,767	77,331	2,67,098
	(All classes)	11,48,452	53,70,979	7,68,821	18,17,853	1,43,531	19,61,384	6,28,140	9,39,127	3,45,246	12,84,373

Table–18 (Contd.)

Sr. No.	Size Class of Holdings	Youngstock upto 3 years		Total	Total no. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock	Cols. (8+12+14)	
		13	14	15	16
1	Below – 1·00	26,299	43,757	2,11,920	64,197
2	1·00 – 1·99	41,457	72,452	3,98,083	1,13,754
3	2·00 – 3·99	92,487	1,59,745	9,19,215	2,30,829
4	4·00 – 9·99	1,52,658	2,87,655	15,99,256	3,32,450
5	10 & More	64,417	1,41,192	8,22,084	1,17,898
	(All classes)	3,77,318	7,04,801	39,50,558	8,59,128

REGION 4
(INLAND CENTRAL)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–19 *ESTIMATED NUMBER OF BUFFALOES REPORTED BY OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings reporting males	Males over 3 years			No. of Holdings reporting females	Females over 3 years		
		Number	Area		Working	Others	Total Males (6+7)		In Milk	Others	Total Females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,41,722	81,179	3,560	3,589	1,097	4,686	20,246	21,738	5,789	27,527
2	1·00 – 1·99	2,04,844	3,02,356	787	299	488	787	31,358	29,475	12,931	42,406
3	2·00 – 3·99	3,05,517	8,83,074	3,678	3,004	1,787	4,791	77,014	90,586	31,799	1,22,385
4	4·00 – 9·99	3,73,522	23,33,210	6,049	6,649	1,284	7,933	1,33,803	1,47,089	49,537	1,96,626
5	10 & More	1,22,847	17,71,160	3,690	3,504	1,345	4,849	53,148	67,417	26,480	93,897
	(All classes)	11,48,452	53,70,979	17,764	17,045	6,001	23,046	3,15,569	3,56,305	1,26,536	4,82,841

Table–19 (Contd.)

Sr. No.	Size Class of Holdings	Youngstock upto 3 years		Total Cols. (8+12+14)	Total no. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1·00	9,598	13,194	45,407	24,111
2	1·00 – 1·99	12,217	14,545	57,738	32,247
3	2·00 – 3·99	43,609	57,327	1,84,503	81,325
4	4·00 – 9·99	62,758	89,550	2,94,109	1,39,408
5	10 & More	31,390	47,608	1,46,354	56,210
	(All classes)	1,59,572	2,22,224	7,28,111	3,33,301

REGION 4
(INLAND CENTRAL)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED NUMBER OF CATTLE PER 100 HECTARES OF AREA OPERATED BY HOUSEHOLDS AS ON 15TH APRIL 1977

Table–20

Sr. No.	Size Class of Holdings	Total Holdings		No. of cattle per 100 hectares of area operated by Households							
				No. of Holdings Reporting Males	Males over 3 years			No. of Holdings Reporting Females	Females over 3 years		
		Number	Area		Working	Others	Total Col. (6+7)		In milk	Others	Total Col. (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,41,722	81,179	47,827	107	4	111	41,786	59	23	82
2	1·00 – 1·99	2,04,844	3,02,356	91,736	61	4	65	77,042	32	14	46
3	2·00 – 3·99	3,05,517	8,83,074	2,02,869	50	3	54	1,61,271	24	8	32
4	4·00 – 9·99	3,73,522	23,33,210	3,12,183	30	3	32	2,51,818	16	6	22
5	10 & More	1,22,847	17.71,160	1,14,206	21	2	23	96,223	10	4	15
	(All classes)	11,48,452	53,70,979	7,68,821	33	3	35	6,28,140	17	6	23

Table–20 (Contd·)

Sr. No.	Size Class of Holdings	No. of cattle per 100 hectares of area operated by households			
		Youngstock upto 3 years		Total Cols. (8+12+14)	Total No. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1·00	26,299	50	243	64,197
2	1·00 – 1·99	41,457	25	136	1,13,754
3	2·00 – 3·99	92,487	18	104	2,30,829
4	4·00 – 9·99	1,52,658	12	66	3,32,450
5	10 & More	64,417	8	45	1,17,898
	(All classes)	3,77,318	13	71	8,59,128

REGION 4
(INLAND CENTRAL)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table –21

ESTIMATED NUMBER OF BUFFALOES PER 100 HECTARES OF AREA OPERATED BY HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	No. of Buffaloes per 100 hectares of area operated by Households									
		Total Holdings		No. of Holdings reporting males	Males over 3 years		Total males Col. (6+7)	No. of Holdings reporting females	Females over 3 years		
		Number	Area		Working	Others			In Milk	Others	Total females Col. (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,41,722	81,179	3,560	4	1	5	20,246	25	7	32
2	1·00 – 1·99	2,04,844	3,02,356	787	–	–	–	31,358	10	4	14
3	2·00 – 3·99	3,05,517	8,83,074	3,678	–	–	1	77,014	10	4	14
4	4·00 – 9·99	3,73,522	23,33,210	6,049	–	–	–	1,33,803	6	2	8
5	10 & More	1,22,847	17,71,160	3,690	–	–	–	53,148	4	1	5
	(All classes)	11,48,452	53,70,979	17,764	–	–	–	3,15,569	6	2	9

Table–21 (Contd.)

Sr. No.	Size Class of Holdings	No. of Buffaloes per 100 hectares of area operated by Households			
		Youngstock upto 3 years		Total of	
		Number of Holdings reporting youngstock	Total youngstock	Cols. (8 + 12 + 14)	Holdings reporting one or more categories
		13	14	15	16
1	Below – 1·00	9,598	15	52	24,111
2	1·00 – 1·99	12,217	5	20	32,247
3	2·00 – 3·99	43,609	6	21	81,325
4	4·00 – 9·99	62,758	4	12	1,39,408
5	10 & More	31,390	3	8	56,210
	(All classes)	1,59,572	4	13	3,33,301

REGION 4
(INLAND CENTRAL)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–22 *ESTIMATED NUMBER OF CATTLE PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		No. of Cattle per 100 Operating Households								
				Males over 3 years				Females over 3 years				
		Number	Area	No. of Holdings reporting males	Working	Others	Total males (6+7)	No. of Holdings reporting females	In Milk	Others	Total females (10+11)	
1	2	3	4	5	6	7	8	9	10	11	12	
1	Below – 1·00	1,41,722	81,179	47,827	67	3	70	41,786	37	14	52	
2	1·00 – 1·99	2,04,844	3,02,356	91,736	89	6	95	77,042	47	20	67	
3	2·00 – 3·99	3,05,517	8,83,074	2,02,869	146	10	156	1,61,271	70	24	94	
4	4·00 – 9·99	3,73,522	23,33,210	3,12,183	190	16	206	2,51,818	102	36	138	
5	10 & More	1,22,847	17,71,160	1,14,206	302	28	330	96,223	151	62	213	
	(All classes)	11,48,452	53,70,979	7,68,821	158	12	171	6,28,140	82	30	114	

Table–22 (Contd.)

Sr. No.	Size Class of Holdings	No. of Cattle per 100 Operating Households			
		Youngstock upto 3 years		Total Cols. (8+9+14)	Total No. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1·00	26,299	32	153	64,197
2	1·00 – 1·99	41,457	36	198	1,13,754
3	2·00 – 3·99	92,487	53	302	2,30,829
4	4·00 – 9·99	1,52,658	75	419	3,32,450
5	10 & More	64,417	113	655	1,17,898
	(All classes)	3,77,318	61	344	8,59,128

REGION 4
(INLAND CENTRAL)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–23 *ESTIMATED NUMBER OF BUFFALOES PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		Buffaloes per 100 Operating Households							
				Males over 3 years					Females over 3 years		
		Number	Area	No. of Holdings reporting males	Working	Others	Total males (6+7)	No. of Holdings reporting females	In Milk	Others	Total females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,41,722	81,179	3,560	3	1	3	20,246	16	4	20
2	1·00 – 1·99	2,04,844	3,02,356	787	–	–	–	31,358	15	6	21
3	2·00 – 3·99	3,05,517	8,83,074	3,678	1	1	2	77,014	30	10	40
4	4·00 – 9·99	3,73,522	23,33,210	6,049	2	–	2	1,33,803	39	13	52
5	10 & More	1,22,847	17,71,160	3,690	3	1	4	53,148	54	21	75
	(All classes)	11,48,452	53,70,979	17,764	1	1	2	3,15,569	31	11	42

Table–23 (Contd·)

Sr. No.	Size Class of Holdings	No. of Buffaloes per 100 Operating Households			
		Youngstock upto 3 years		Total (9 Cols. (8+12+14))	Total No. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1·00	9,598	10	33	24,111
2	1·00 – 1·99	12,217	7	29	32,247
3	2·00 – 3·99	43,609	19	61	81,325
4	4·00 – 9·99	62,758	23	77	1,39,408
5	10 & More	31,390	38	117	56,210
	(All classes)	1,59,572	19	63	3,33,301

REGION-4

(INLAND CENTRAL)

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

ESTIMATED NUMBER OF LIVESTOCK (OTHER THAN CATTLE AND BUFFALOES) PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977

Table 24

Sr. No.	Size Class of Holdings	Total Holdings		Number per 100 Operating Households													
				Sheep			Goats			Horses and Ponies	Mules	Donkeys or Asses	Pigs			Camels	Other Livestock
		Number	Area	Under one year	One year & above	Total	Under one year	One year & above	Total				below 6 months	above 6 months	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Below 1.00	1,41,722	81,179	13	48	61	22	31	52	1	–	3	–	–	–	–	–
2	1.00 – 1.99	2,04,844	3,02,356	16	66	82	27	38	65	–	–	–	–	–	–	–	–
3	2.00 – 3.99	3,05,517	8,83,074	19	26	45	29	47	76	–	–	–	–	–	–	–	–
4	4.00 – 9.99	3,73,522	23,33,210	7	45	53	42	51	93	2	–	1	–	–	–	–	–
5	10 & More	1,22,847	17,71,160	79	86	165	64	111	175	1	–	–	1	2	3	–	–
	(All Classes)	11,48,452	53,70,979	20	49	69	36	52	88	1	–	1	–	–	–	–	–

ESTIMATED NUMBER OF POULTRY PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977

Table 25

Sr. No.	Size Class of Holdings	Total Holdings		Number per 100 Operating Households											
				Cocks			Hens			Chickens below 5 months			Ducks			Total Poultry
		Number	Area	Deshi	Improved	Total (Col. 5+6)	Deshi	Improved	Total (Col. 8+9)	Deshi	Improved	Total (Col. 11+12)	Deshi	Improved	Total (Col. 14+15)	Col. 7+10+13+16
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Below 1.00	1,41,722	81,179	–	–	6	–	–	32	–	–	23	–	–	1	62
2	1.00 – 1.99	2,04,844	3,02,356	–	–	10	–	–	35	–	–	18	–	–	–	63
3	2.00 – 3.99	3,05,517	8,83,074	–	–	14	–	–	43	–	–	12	–	–	–	69
4	4.00 – 9.99	3,73,522	23,33,210	–	–	13	–	–	53	–	–	27	–	–	–	93
5	10 & More	1,22,847	17,71,160	–	–	17	–	–	58	–	–	34	–	–	–	108
	(All Classes)	11,48,452	53,70,979	–	–	12	–	–	45	–	–	21	–	–	–	79

(INLAND CENTRAL)
Table–26

ESTIMATED NUMBER OF AGRICULTURAL MACHINERY OWNED INDIVIDUALLY PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings		Ploughs		Number of Agricultural Machinery Owned Individually per 100 Operating Households										
		Number	Area	Wooden	Iron	Total Col. 5+6	Earth Leveller or Scrapers	Harrows & Hoes	Hand Tractors Power Tillers	Seed Drills	Maize Shellers	Sprayers	Dusters	Harvesters	Chaff Cutters	Threshers
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Below – 1·00	1,41,722	81,179	21	6	28	1	63	–	28	–	–	–	–	–	–
2	1·00 – 1·99	2,04,844	3,02,356	30	9	39	1	76	–	34	–	1	–	–	–	1
3	2·00 – 3·99	3,05,517	8,83,074	46	14	61	3	110	–	53	–	4	–	–	–	–
4	4·00 – 9·99	3,73,522	23,33,210	47	26	74	5	140	–	70	–	4	–	–	1	1
5	10 & More	1,22 847	17,71,160	60	49	109	8	218	–	96	–	9	2	–	3	1
	(All Classes)	11,48,452	53,70,979	42	20	63	4	120	–	57	–	4	–	–	1	1

Table 26 (Contd.)

Sr. No.	Size Class of Holdings	Number of Agricultural Machinery owned Individually per 100 operating Households														
		Pumps							Tractors							
		Electric	Diesel	Others	Total Col. 16+19+20	Bullock Carts	Cane Crushers	Oil Crusher	Persian wheel or Rahat	less than 10 H.P.	10 to 14 H.P.	14 to 19 H.P.	more than 20 H.P.	H.P. not known	Total	Other Machinery
		18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	3	1	1	5	15	–	–	–	–	–	–	–	–	–	220
2	1·00 – 1·99	2	1	2	6	19	–	–	–	–	–	–	–	–	–	255
3	2·00 – 3·99	5	2	4	12	39	–	–	–	–	–	–	–	–	–	294
4	4·00 – 9·99	7	4	6	17	53	–	–	–	–	–	–	–	–	–	342
5	10 & More	15	8	6	29	70	1	–	–	–	–	–	–	1	1	434
	(All Classes)	6	3	4	14	40	–	–	–	–	–	–	–	–	–	310

REGION–4
(INLAND CENTRAL)

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

ESTIMATED NUMBER OF AGRICULTURAL MACHINERY OWNED INDIVIDUALLY PER 100 HECTARES OF AREA OPERATED BY HOUSEHOLD AS ON 15TH APRIL 1977

Table–27

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	Number of Agricultural Machinery Owned Individually per 100 hectares of Area Operated by Households: Ploughs Wooden	Ploughs Iron	Ploughs Total Col. 5+6	Earth Leveller or Scrapers	Harrows & Hoes	Hand Tractors Power Tillers	Seed Drills	Maize Shellers	Sprayers	Dusters	Harvesters	Chaff Cutters	Threshers
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Below 1.00 %	1,41,722	81,179	34	10	44	2	100	–	45	–	–	–	–	–	–
2	1.00 – 1.99 %	2,04,844	3,02,356	21	6	27	1	52	–	24	–	1	–	–	–	1
3	2.00 – 3.99 %	3,05,517	8,83,074	16	5	21	1	38	–	18	–	1	–	–	–	–
4	4.00 – 9.99 %	3,73,522	23,33,210	7	4	12	1	22	–	11	–	1	–	–	–	–
5	10 & More %	1,22,847	17,71,160	4	3	8	1	15	–	7	–	1	–	–	–	–
	(All classes)	11,48,452	53,70,979	9	4	13	1	25	–	12	–	1	–	–	–	–

Table 27 (Contd.)

Sr. No.	Size Class of Holdings	Pumps: Electric	Diesel	Others	Total Col. 18+19+20	Bullock Carts	Cane Crushers	Oil Crushers	Persian wheel or Rahat	Tractors with H.P.: less than 10	10 to 14	14 to 19	20 & above	H.P. not available	Total	Other Machinery
		18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Below 1.00 %	4	2	2	8	24	–	–	–	–	–	–	–	–	–	349
2	1.00 – 1.99 %	2	1	2	4	13	–	–	–	–	–	–	–	–	–	175
3	2.00 – 3.99 %	2	1	2	4	13	–	–	–	–	–	–	–	–	–	101
4	4.00 – 9.99 %	1	1	1	3	8	–	–	–	–	–	–	–	–	–	54
5	10 & More %	1	1	–	2	5	–	–	–	–	–	–	–	–	–	30
	(All Classes)	1	1	1	3	8	–	–	–	–	–	–	–	–	–	64

REGION–5
(INLAND EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 1 *ESTIMATED AREA CROPPED ONCE AND MORE THAN ONCE IN IRRIGATED AREAS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Cropped once	Irrigated Area							
					Cropped twice		Cropped more than twice			Net Irrigated (5 to 10)	Gross Irrigated
		Number	Area		One crop Irrigated	Two crops Irrigated	One crop Irrigated	Two crops Irrigated	More than two crops Irrigated		
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,31,631	86,155	5,066	4,534	326	72	–	–	9,997	10,323
	%			50·6	45·3	3·2	·7	–	–	12·3	103·2
2	1·00 – 1·99	2,24,805	3,35,794	6,492	8,008	620	–	–	–	15,120	15,740
	%			42·9	52·9	4·1	–	–	–	4·4	104·1
3	2·00 – 3·99	2,69,150	7,68,038	17,466	15,481	2,130	–	–	–	35,076	37,206
	%			49·8	44·1	6·0	–	–	–	4·7	106·0
4	4·00 – 9·99	2,82,930	17,54,367	62,804	29,600	2,123	81	–	–	94,609	96,732
	%			66·3	31·2	2·2	–	–	–	5·9	102·2
5	10 & More	91,591	13,51,026	42,368	25,900	3,465	281	176	11	72,200	75,863
	%			58·6	35·8	4·8	·3	·2	–	6,5	105·0
	(All classes)	10,00,107	42,95,380	1,34,197	83,522	8,663	433	176	11	2,27,002	2,35,863
	%			59·1	36·7	3·8	·1	–		5·8	103·9

Table–1 A *ESTIMATED AREA CROPPED ONCE AND MORE THAN ONCE IN UNIRRIGATED AREAS AND AREA AFFECTED BY WATER LOGGING AND SALINITY*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Unirrigated Area				Number of Holdings and Area affected by					
				Cropped once	Cropped more than once	Net Unirrigated (5+6)	Gross Unirrigated	Water logging				Salinity	
								No. of Holdings	Area affected		Total of (10+11)	No. of Holdings	Area affected
		Number	Area						with drainage	without drainage			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Below –1·00	1,31,631	86,155	70,060	883	70,942	76,503	16,111	235	9,926	10,161	3,381	2,275
	%			98·7	1·2	87·6	107·8	12·9	·2	12·0	12·2	2·7	2·7
2	1·00 – 1·99	2,24,805	3,35,794	3,17,729	7,461	3,25,189	3,40,657	24,225	1,189	33,049	34,238	6,635	8,883
	%			97·7	2·2	95·5	104·7	9·9	·3	8·8	9·1	2·7	2·3
3	2·00 – 3·99	2,69,150	7,68,038	6,94,097	10,891	7,04,988	7,31,357	44,894	3,414	1,07,729	1,11,143	7,957	20,523
	%			98·4	1·5	95·2	103·7	15·3	·4	12·8	13·2	2·7	2·4
4	4·00 – 9·99	2,82,930	17,54,367	14,84,002	26,155	15,10,158	15,66,071	44,494	14,261	2,07,975	2,22,236	7,072	40,345
	%			98·2	1·7	94·1	103·7	15·6	·8	12·0	12·8	2·5	2·3
5	10 & More	91,591	13,51,026	10,11,866	18,833	10,30,698	10,76,165	13,010	3,721	1,19.090	1,22,811	2,051	15,824
	%			98·1	1·8	93·4	104·4	14·4	·2	9,2	9·5	2·3	1·2
(All classes)		10,00,107	42,95,380	35,77,754	64,223	36,41,975	37,90,753	1,42,734	22,821	4,77,768	5,00,590	27,096	87,849
%				98·2	1·7	94·1	104·0	13·7	·5	11·0	11·6	2·6	2·0

REGION–5
(INLAND EASTERN)
Table–1 B

ESTIMATES OF NET & GROSS AREA, AREA WATER LOGGED & AFFECTED BY SALINITY, ALONG WITH STANDARD ERRORS

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	Net Irrigated Area	S.E.	Gross Irrigated Area	S.E.	Net Unirrigated Area	S.E.	Gross Unirrigated Area	S.E.
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,31,631	86,155	9,997	3,751	10,323	3,772	70,942	9,089	76,503	10,320
	%				37·5		36·5		12·8		13·4
2	1·00 – 1·99	2,24,805	3,35,794	15,120	4,418	15,740	4,503	3,25,189	49,080	3,40,657	51,551
	%				29·2		28·6		15·0		15·1
3	2·00 – 3·99	2,69,150	7,68,038	35,076	7,073	37,206	7,915	7,04,988	86,613	7,31,357	88,675
	%				20·1		21·2		12·2		12·1
4	4·00 – 9·99	2,82,930	17,54,367	94,609	24,477	9,6732	24,864	15,10,158	1,40,145	15,66,071	1,42,472
	%				25·8		25·7		9·2		9·1
5	10 & More	91,591	13,51,026	72,200	12,286	75,863	12,849	10,30,698	94,218	10,76,165	97,363
	%				17·0		16·9		9·1		9·0
(All classes)		10,00,107	42,95,380	2,27,002	28,874	2,35,863	29,673	36,41,975	1,96,242	37,90,753	2,01,010
	%				12·7		12·5		5·3		5·3

ESTIMATED NUMBER AND AREA OF HOLDINGS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES AND PESTICIDES IN IRRIGATED AREAS

Table–2

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	No. of Holdings Growing one or more selected Crops	Gross area under one or more selected Crops	Chemical Fertilizers No. of Holdings benefited	Chemical Fertilizers Area Treated	Organic Manures No. of Holdings benefited	Organic Manures Area Treated	Pesticides No. of Holdings benefited	Pesticides Area Treated
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1.00	1,31,631	86,155	21,638	9,646	14,367	7,767	8,220	4,396	1,230	710
	%			16.0	10.1	66.4	80.5	38.0	45.6	5.7	7.4
2	1·00 – 1·99	2,24,805	3,35,794	21,373	13,390	17,607	11,513	3,988	2,045	2,469	838
	%			.9	.4	82.4	86.0	18.7	15.3	11.6	6.3
3	2·00 – 3·99	2,69,150	7,68,038	40,129	34,773	34,926	30,781	14,037	9,421	10,916	8,426
	%			13.3	4.0	87.0	88.5	35.0	27.1	27.2	24.2
4	4·00 – 9·99	2,82,930	17,54,367	66,431	78,428	57,457	57,559	22,965	21,437	9,352	8,202
	%			22.4	4.4	86.5	73.4	34.6	27.3	14.1	10.5
5	10 & More	91,591	13,51,026	32,821	60,605	30,878	55,029	9,585	14,568	6,978	12,107
	%			23.8	2.8	94.1	90.8	29.2	24.0	21.3	20.0
(All classes)		10,00,107	42,95,380	1,82,392	1,96,841	1,55,235	1,62,649	58,795	51,867	30,945	30,283
	%			18.2	5.4	85.1	82.6	32.2	26.3	17.0	15.4

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

REGION–5
Table–2 A

ESTIMATED STANDARD ERRORS OF THE ESTIMATES OF HOLDINGS AND AREA GROWING ONE OR MORE CROPS AND HOLDINGS AND AREAS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES AND PESTICIDES

Area in hectares

Sr. No.	Size Class of Holdings	No. of holdings growing one or more selected Crops & Gross irrigated area.		Chemical Fertilizers		Organic Manure		Pesticide	
		No. S.E.	Area S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.
1	2	3	4	5	6	7	8	9	10
1	Below – 1·00	7,490	3,336	4,378	2,710	3,693	2,281	749	472
	%	34·6	34·6	30·5	34·9	44·9	51·9	60·9	66·4
2	1·00 – 1·99	5,062	3,464	4,878	3,424	1,599	685	1,454	400
	%	23·7	25·9	27·7	29·7	40·1	33·5	58·9	47·7
3	2·00 – 3·99	8,467	8,437	8,257	8,220	5,943	3,348	5,737	3,585
	%	21·1	24·3	23·6	26·7	42·3	35·5	52·6	42·5
4	4·00 – 9·99	11,748	21,247	9,716	12,626	4,785	4,672	3,038	2,445
	%	17·7	27·1	16·9	21·9	20·8	21·8	32·5	29·8
5	10 & More	3,449	10,674	3,410	10,484	1,763	2,998	1,327	2,592
	%	10·5	17·6	11·0	19·1	18·4	20·6	19·0	21·4
	(All classes)	17,417	25,684	14,737	18,867	8,805	6,906	6,825	5,092
	%	9·5	13·0	9·5	11·6	15·0	13·3	22·1	16·8

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table 3 *ESTIMATED IRRIGATED AREA UNDER PADDY COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,31,631	86,155	2,195	41	1,050	1,091
	%			1.6	3.7	96.3	1.2
2	1.00 – 1.99	2,24,805	3,35,794	3,002	–	1,893	1,893
	%			1.2		100.0	.5
3	2.00 – 3.99	2,69,150	7,68,038	4,134	49	3,700	3,749
	%			1.4	1.3	98.7	.4
4	4.00 – 9.99	2,82,930	17,54,367	9,202	2,927	6,033	8,961
	%			3.1	32.7	67.3	.5
5	10 & More	91,591	13,51,026	3,396	3,553	5,198	8,751
	%			3.7	40.6	59.4	.7
	(All classes)	10,00,107	42,95,380	21,929	6,570	17,875	24,445
	%			2.0	26.9	73.1	.5

Table 3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	172	–	141	141	9	64
	%							7.8		13.5	13.0		
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	72	22	–	22	3	139	8	–	–	–	–	–
	%	1.7	44.1		.6			.3					
4	4.00 – 9.99	–	–	–	–	–	–	1,153	2,411	309	2,719	169	62
	%							12.5	82.4	5.1	30.3		
5	10 & More	284	424	–	424	27	64	993	2,866	396	3,261	538	165
	%	8.4	11.9		4.8			29.2	80.6	7.6	37.3		
	(All classes)	356	445	–	445	30	67	2,318	5,276	846	6,122	716	117
	%	1.6	6.8		1.8			10.6	80.3	4.7	25.0		

REGION 5

Table–3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	572	41	284	325	27	83	169	–	17	17	2	118
	%	26·1	100·0	27·1	29·8			7·7		1·6	1·5		
2	1·00 – 1·99	2,326	–	1,319	1,319	104	79	833	–	464	464	40	86
	%	77·5		69·6	69·6			27·7		24·5	24·5		
3	2·00 – 3·99	2,011	27	2,005	2,032	183	90	1,365	–	1,602	1,602	154	96
	%	48·6	55·9	54·2	54·2			33·0		43·3	42·7		
4	4·00 – 9·99	4,756	2,495	2,250	4,745	465	98	3,211	502	1,105	1,607	182	113
	%	51·7	85·2	37·3	53·0			34·9	17·1	18·3	17·9		
5	10 & More	2,592	3,087	2,367	5,454	544	100	1,447	456	2,110	2,566	118	46
	%	76·3	86·9	45·5	62·3			42·6	12·8	40·6	29·3		
	(All classes)	12,257	5,650	8,225	13,875	1,323	95	7,025	958	5,297	6,256	496	79
	%	55·9	86·0	46·0	56·8			32·0	14·6	29·6	25·6		

Table–3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	677	–	110	110	6	54	843	–	527	527	29	55
	%	30·8		10·5	10·1			38·4		50·1	48·3		
2	1·00 – 1·99	1,177	–	687	687	123	55	349	–	422	422	14	33
	%	39·2		36,3	36·3			11·6		22·3	22·3		
3	2·00 – 3·99	1,306	27	763	791	34	43	361	–	466	466	14	30
	%	31·6	55·9	20·6	21·1			8·7		12·6	12·4		
4	4·00 – 9·99	3,779	36	3,852	3,888	93	24	1,491	–	1,520	1,520	82	54
	%	41·1	1·2	63·8	43·4			16·2		25·2	17·0		
5	10 & More	1,414	160	1,861	2,022	76	38	640	339	701	1,040	117	112
	%	41·6	4·5	35·8	23·1			18·8	9·5	13·5	11·9		
	(All classes)	8,353	224	7,274	7,497	332	33	3,684	339	3,636	3,975	256	64
	%	38·1	3·4	40·7	30·7			16·8	5·2	20·3	16·3		

REGION–5

Tabel–3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt./ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	–	–	–	–	–	–	169	–	17	17	–	–
	%							7.7		1.6	1,5		
2	1.00 – 1.99	–	–	–	–	–	–	342	–	32	32	–	–
	%							11.4		1.7	1.7		
3	2.00 – 3.99	–	–	–	–	–	–	842	–	1,400	1,400	1	1
	%							20,4		37.8	37.3		
4	4.00 – 9.99	130	–	52	52	–	–	130	–	52	52	–	–
	%	1.4		.9	.6			1.4		.9	.6		
5	10 & More	–	–	–	–	–	–	111	44	–	44	–	–
	%							3.3	1.2		.5		
	(All clases)	130	–	52	52	–	–	1,594	44	1,501	1,545	1	1
	%	.6		.3	.2			7.3	.7	8.4	6.3		

NOTE :-

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

4) Bajri is not grown in this region hence table No. 4 is not presented.

REGION–5
(INLAND EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 5 *ESTIMATED IRRIGATED AREA UNDER KHARIF JOWAR COVERED BY DIFFERENT INPUTS* (Area in hectares)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1·00	1,31,631	88,155	376	158	70	227
	%			·3	69·4	30·6	·2
2	1·00 – 1·99	2,24,805	3,35,794	158	61	53	113
	%				53·5	46·5	
3	2·00 – 3·99	2,69,150	7,68,038	459	37	736	772
	%			·2	4·8	95·2	·1
4	4·00 – 9·99	2,82,930	17,54,367	527	158	761	919
	%			·2	17·2	82·8	·1
5	10 & More	91,591	13,51,026	256	137	485	622
	%			·2	22·1	77·9	
	(All classes)	10,00,107	42,95,380	1,776	551	2,103	2,654
	%			·1	20·7	79·3	

Table 5 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
	(All classes)	–	–	–	–	–	–	–	–	–	–	–	–
	%												

REGION–5

Table 5 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00	239	158	–	158	5	32	239	158	–	158	10	63
	%	63.6	100.0		69.4			63.6	100.0		69.4		
2	1.00 – 1.99	120	61	–	61	6	99	38	23	–	23	1	44
	%	75.9	100.0		53.5			24.1	37.7		20.2		
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	527	158	–	158	11	70	339	141	–	141	8	57
	%	100.0	100.0		17.2			64.3	89.1		15.3		
5	10 & More	256	137	–	137	19	138	220	94	–	94	22	234
	%	100.0	100.0		22.1			85.9	68.4		15.1		
	(All classes)	1,142	514	–	514	41	80	836	415	–	415	41	99
	%	64.3	93.3		19.4			47.1	75.4		15.7		

Table 5 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1.00	308	158	15	173	2	12	–	–	–	–	–	–
	%	81.9	100.0	21.9	76.1								
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	339	141	–	141	2	14	–	–	–	–	–	–
	%	64.3	89.1		15.3								
5	10 & More	36	22	–	22	1	46	–	–	–	–	–	–
	%	14.1	15.8		3.5								
	(All classes)	683	320	15	335	5	15	–	–	–	–	–	–
	%	38.5	58.2	.7	12.6								

REGION–5

Table 5 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	–	–	–	–	–	–	239	158	–	158	–	–
	%							63.6	100.0		69.4		
2	1.00 – 1.99	–	–	–	–	–	–	120	61	–	61	–	–
	%							75.9	100.0		53.5		
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	–	–	–	–	1	–	188	70	–	70	–	–
	%							35.7	44.5		7.7		
5	10 & More	185	92	–	92	–	11	145	82	–	82	–	–
	%	72.3	67.1		14.8			56.6	59.6		13.2		
(All classes)		185	92	–	92	1	11	692	371	–	371	–	–
	%	10.4	16.8		3.5			39.0	67.3		14.0		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

AGRICULTURAL CENSUS 1976 - 77 : MAHARASHTRA STATE

Table 6 — *ESTIMATED IRRIGATED AREA UNDER COTTON COVERED BY DIFFERENT INPUTS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings: Number	Total Holdings: Area	No. of Holdings growing the Crop	Irrigated Area under Crop: H.Y.V.	Irrigated Area under Crop: Others	Irrigated Area under Crop: Total
1	2	3	4	5	6	7	8
1	Below – 1·00	1,31,631	86,155	–	–	–	–
	%			–	–		
2	1·00 – 1·99	2,24,805	3,35,794	1,461	353	–	353
	%			·1	100·0		–
3	2·00 – 3·99	2,69,150	7,68,038	1,138	974	44	1,017
	%			·4	95·7	4·3	·1
4	4·00 – 9·99	2,82,930	17,54,367	2,583	2,668	509	3,177
	%			·9	84·0	16·0	·2
5	10 & More	91,591	13,51,026	2,125	3,747	133	3,880
				1·5	96·6	3·4	·2
(All classes)		10,00,107	42,95,380	7,307	7,742	686	8,428
	%			·2	91·9	8·1	·1

Table 6 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate: No. of Holdings treated (% w.r.t. col. 5)	Ammonium Sulphate: Area treated: H.Y.V.	Ammonium Sulphate: Area treated: Others	Ammonium Sulphate: Area treated: Total (10+11)	Ammonium Sulphate: Quantity Applied: Total M.T.	Ammonium Sulphate: Quantity Applied: Kg/ha 13/12	Super Phosphate: No. of Holdings treated (% w.r.t. col. 5)	Super Phosphate: Area treated: H.Y.V.	Super Phosphate: Area treated: Others	Super Phosphate: Area treated: Total (16+17)	Super Phosphate: Quantity Applied: Total M.T.	Super Phosphate: Quantity Applied: Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	72	86	–	86	16	185	–	–	–	–	–	–
	%	6·3	8·9		8·5								
4	4·00 – 9·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
(All classes)		72	86	–	86	16	185	–	–	–	–	–	–
	%	1·0	1·1		1·0								

REGION–5

Table 6 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22 + 23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28 + 29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	82	75	–	75	4	53	1,379	278	–	278	35	126
	%	5.6	21.3		21.3			94.4	78.7		78.7		
3	2.00 – 3.99	958	790	–	790	72	91	951	841	–	841	101	120
	%	84.2	81.1		77.7			83.6	86.4		82.7		
4	4.00 – 9.99	2,452	2,431	–	2,431	206	85	2,419	2,404	–	2,404	413	172
	%	94.9	91.1		76.5			93.7	90.1		75.7		
5	10 & More	1,784	3,562	22	3,584	356	99	1,997	3,225	–	3,225	416	129
	%	84.0	95.1	16.3	92.4			94.0	86.1		83.1		
	(All classes)	5,276	6,859	22	6,881	638	93	6,746	6,749	–	6,749	965	143
	%	72.2	88.6	3.2	81.6			92.3	87.2		80.1		

Table 6 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34 + 35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40 + 41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	1,379	278	–	278	28	101	–	–	–	–	–	–
	%	94.4	78.7		78.7								
3	2.00 – 3.99	1,066	887	–	887	38	43	–	–	–	–	–	–
	%	93.7	91.1		87.2								
4	4.00 – 9.99	2,096	2,261	–	2,261	126	56	–	–	–	–	–	–
	%	81.1	84.7		71.2								
5	10 & More	934	2,136	22	2,158	101	47	–	–	–	–	–	–
	%	44.0	57.0	16.3	55.6								
	(All classes	5,475	5,562	22	5,584	293	52	–	–	–	–	–	–
	%	74.9	71.8	3.2	66.3								

REGION–5

Table 6 (Contd,)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Dusting: Area treated H.Y.V.	Pesticide by Dusting: Area treated Others	Pesticide by Dusting: Area treated Total (46+47)	Pesticide by Dusting: Quantity Applied Total M.T.	Pesticide by Dusting: Quantity Applied Kg/ha 49/48	Pesticide by Spraying: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Spraying: Area treated H.Y.V.	Pesticide by Spraying: Area treated Others	Pesticide by Spraying: Area treated Total (52+53)	Pesticide by Spraying: Quantity Applied Kilo Lt	Pesticide by Spraying: Quantity Applied Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	
1	Below 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	1,379	278	–	278	1	4
	%							94·4	78·7		78·7		
3	3·00 – 3·99	401	399	–	399	4	10	1,138	974	–	974	3	3
	%	35·2	40·9		39·2			100·0	100·0		95·7		
4	4·00 – 9·99	1,059	1,213	–	1,213	22	18	1,740	1,178	–	1,178	14	12
	%	41·0	45·5		38·2			67·4	44·2		37·1		
5	10 & More	1,310	2,308	–	2,308	17	7	1,333	2,398	–	2,398	10	4
	%	61·6	61·6		59·5			62·7	64·0		61·8		
	(All classes)	2,770	3,919	–	3,919	43	11	5,590	4,828	–	4,828	28	6
	%	37·9	50·6		46·5			76·5	62·4		57·3		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respective area under the crop.

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 7 *ESTIMATED IRRIGATED AREA UNDER RABI JOWAR COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,31,631	86,155	–	–	–	–
	%						
2	1.00 – 1.99	2,24,805	3,35,794	–	–	–	–
	%						
3	2.00 – 3.99	2,69,150	7,68,038	–	–	–	–
	%						
4	4.00 – 9.99	2,82,930	17,54,367	–	–	–	–
	%						
5	10 & More	91,591	13,51,026	129	103	–	103
	%			·1	100·0		
(All classes)		10,00,107	42,95,380	129	103	–	103
	%				100·0		

Table 7 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
(All classes)		–	–	–	–	–	–	–	–	–	–	–	–
	%												

REGION–5

Table–7 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	129	103	–	103	13	126	129	103	–	103	13	126
	%	.1	100·0		100.0			100.0	100.0		100·0		
(All classes)		129	103	–	103	13	126	129	103	–	103	13	126
	%		100,0		100.0			100.0	100.0		100·0		

Table 7 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Campost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	129	103	–	103	1	10	–	–	–	–	–	–
	%	100·0	100·0		100·0								
(All classes)		129	103	–	103	1	10	–	–	–	–	–	–
	%	100.0	100.0		100·0								

REGION–5

Table–7 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00 %	–	–	–	–	–	–	–	–	–	–	–	–
2	1.00 – 1.99 %	–	–	–	–	–	–	–	–	–	–	–	–
3	2.00 – 3.99 %	–	–	–	–	–	–	–	–	–	–	–	–
4	4.00 – 9.99 %	–	–	–	–	–	–	–	–	–	–	–	–
5	10 & More %	–	–	–	–	–	–	–	–	–	–	–	–
(All classes) %		–	–	–	–	–	–	–	–	–	–	–	–

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

REGION-5
(INLAND EASTERN)

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table–8 *ESTIMATED IRRIGATED AREA UNDER WHEAT COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below– 1.00	1,31,631	86,155	19,676	5,636	2,692	8,328
	%			14·6	67·7	32·3	8·7
2	1·00 – 1·99	2,24,805	3,35,794	19,613	9,973	1,077	11,050
	%			·8	90·3	9·7	·3
3	2·00 – 3·99	2,69,150	7,68,038	37,304	25,039	4,196	29,235
	%			12·4	85·6	14·4	3·4
4	4·00 – 9·99	2,82,930	17,54,367	62,566	49,377	15,996	65,373
	%			21·1	75·5	24·5	3·7
5	10 & More	91,591	13,51,026	31,430	43,398	3,853	47,251
	%			22·8	91·8	8·2	2·2
	(All classes)	10,00,107	42,95,380	1,70,589	1,33,424	27,813	1,61,236
	%			5·1	82·8	17·2	1·9

Table–8 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	194	110	–	110	18	164	564	338	–	338	44	130
	%	1·0	1·1		1·0			2·9	3·4		3·1		
3	2·00 – 3·99	309	116	–	116	54	464	963	768	–	768	104	135
	%	·8	·5		·4			2·6	3·1		2·6		
4	4·00 – 9·99	1,379	863	–	863	80	93	8,115	7,038	456	7,494	792	106
	%	2·2	1·7		1·3			13·0	14·3	2·9	11·5		
5	10 & More	750	1,583	–	1,583	211	133	3,158	4,557	363	4,920	579	118
	%	2·4	3·6		3·4			10·0	10·5	9·4	10·4		
	(All classes)	2,632	2,672	–	2,672	363	136	12,800	12,701	819	13,520	1,519	112
	%	1·5	2·0		1·7			7·5	9·5	2·9	8·4		

REGION–5

Table 8 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	11,791	4,189	2,138	6,327	905	143	9,572	3,510	2,016	5,526	1264	229
	%	59·9	74·3	79·4	76·0			48·6	62·3	74·9	66·4		
2	1·00 – 1·99	14,339	8,148	601	8,749	752	86	13,350	7,851	463	8,314	887	107
	%	73·1	81·7	55·8	79·2			68·1	78·7	43·0	75·2		
3	2·00 – 3·99	28,861	20,143	3,837	23,981	2,945	123	27,797	19,480	3,876	23,356	3,377	145
	%	77·4	80·4	91·5	82·0			74·5	77·8	92·4	79·9		
4	4·00 – 9·99	51,651	44,107	1,733	45,839	5,034	110	41,413	37,117	1,540	38,657	5,514	143
	%	82·6	89·3	10·8	70·1			66·2	75·2	9·6	59·1		
5	10 & More	27,011	37,692	2 889	40,581	4,378	108	23,594	35,204	2,500	37,704	5,210	138
	%	85·9	86·9	75·0	85·9			75·1	81·1	64·9	79·8		
(All classes)		1,33,653	1,14,279	11,197	1,25,476	14,014	112	1,15,726	1,03,161	10 395	1,13,557	16,252	143
	%	78·3	85·7	40·3	77·8			67·8	77·3	37·4	70·4		

Table 8 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	6,711	1,517	2,070	3,587	178	50	–	–	–	–	–	–
	%	34·1	26·9	76·9	43·1								
2	1·00 – 1·99	1,474	481	177	658	156	237	–	–	–	–	–	–
	%	7·5	4·8	16·4	6·0								
3	2·00 – 3·99	11,812	6,921	356	7,277	545	75	–	–	–	–	–	–
	%	31·7	27·6	8.5	24,9								
4	4·00 – 9·99	16,700	2,838	790	13,629	858	63	–	–	–	–	–	–
	%	26·7	26·0	4·9	20·8								
5	10 & More	7,260	9,004	219	9,223	362	39	–	–	–	–	–	–
	%	23·1	20·7	5,7	19·5								
(All classes)		43,957	30,761	3,613	34,374	2,099	61	–	–	–	–	–	–
	%	25·8	23·1	13·0	21·3								

REGION–5

Table 8 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	
1	Bleow 1·00	103	–	73	73	–	–	719	462	–	462	342	740
	%	.5		2·7	.9			3·7	8·2		5·5		
2	1·00 – 1·99	–	–	–	–	–	–	970	467	–	467	1	2
	%							4,9	4·7		4·2		
3	2·00 – 3·99	–	–	–	–	–	–	9,044	3,367	2,686	6,053	79	13
	%							24·2	13·4	64·0	20·7		
4	4·00 – 9·99	2,353	1,564	–	1,564	8	5	6,388	5,231	59	5,290	23	4
	%	3·8	3·2		2·4			10,2	10·6	·4	8·1		
5	10 & More	1,439	2,001	·44	2,045	28	14	5,691	8,794	53	8,847	59	7
	%	4·6	4,6	1·1	4.3			18·1	20·3	1·4	18·7		
	(All Classes)	3,895	3,565	118	3,682	36	10	22,812	18,321	2,797	21,119	504	24
		2·3	2·7	·4	2·3			13·4	13·7	10·1	13·1		

NOTE –

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respective area under the crop.

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT CHEMICAL FERTILIZERS IN IRRIGATED AREA

Table–9

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Irrigated Area under selected Crops	Ammonium Sulphate				Super Phosphate			
		Number	Area			No. of Holdings	S.E.	Area	S.E.	No. of Holdings	S.E. % S.E.	Area	S.E.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Below –1·00	1,31,631	86,155	21,638	9,646	–	–	–	–	172	170	141	140
	%			16·0	10·1					·8	98·8	1·5	99·1
2	1·00 – 1·99	2,24,805	3,35,794	21,373	13,390	194	190	110	108	564	330	338	225
	%			·9	·4	·9	97·9	·8	98·2	2·6	58·5	2·5	66·5
3	2·00 – 3·99	2,69,150	7,68,038	40,129	34,773	309	243	224	194	963	580	768	382
	%			13·3	4·0	·8	78·6	·6	86·5	2·4	60·2	2·2	49·7
4	4·00 – 9·99	2,82,930	17,54,367	66,431	78,428	1,379	952	863	583	8,372	4,090	10,213	5,062
	%			22·4	4·4	2·1	69·0	1·1	67·6	12·6	48·9	13·0	49·6
5	10 & More	91,591	13,51,026	32,821	60,605	1,034	572	2,007	1,040	3,583	1,252	8,181	4,548
	%			23·8	2·8	3·2	55·3	3·3	51·8	10·9	34·9	13·5	55·6
	(All Classes)	10,00,107	42,95,380	1,82,392	1,96,841	2,916	1,153	3,203	1,213	13,654	4,333	19,642	6,821
				5·4	2·3	1·6	39·5	1·6	37·9	7·5	31·7	10·0	34·7

Table–9 (Contd)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Irrigated Area under selected Crops	Chemical Fertilizers							
						Urea				Other Chemical Fertilizers			
		Number	Area			No. of Holdings	S.E.	Area	S.E.	No. of Holdings	S.E.	Area	S.E.
1	2	3	4	5	6	15	16	17	18	19	20	21	22
1	Below– 1·00	1,31,631	86,155	21,638	9,646	12,261	4,040	6,810	2,509	9,741	3,367	5,701	2,496
	%			16·0	10·1	56·7	33·0	70·6	36·9	45·0	34·6	59·1	43·8
2	1·00 – 1·99	2,24,805	3,35,794	21,373	13,390	15,562	3,851	10,184	2,806	13,403	4,825	9,059	3,358
	%			·9	·4	72·8	24·7	76·1	27·6	62·7	36·0	67·7	37·1
3	2·00 – 3·99	2,69,150	7,68,038	40,129	34,773	29,938	7,561	26,802	7,383	28,113	7,925	25,799	7,266
	%			13·3	4·0	74·6	25·3	77·1	27·5	70·1	28·2	74·2	28·2
4	4·00 – 9·99	2,82,930	17,54,367	66,431	78,428	54,004	9,471	53,172	10,817	43,308	8,649	42,809	9,544
	%			22·4	4·4	81·3	17·5	67·8	20·3	65·2	20·0	54·6	22·3
5	10 & More	91,591	13,51,026	32,821	60,605	28,130	3,064	49,856	9,163	24,586	2,738	43,691	7,536
	%			23·8	2·8	85·7	10·9	82·3	18·4	74·9	11·1	72·1	17·2
	(All classes)	10,00,107	42,95,380	1,82,392	1,96,841	1,39,895	13,69·1	1,46,824	16,421	1,19,151	13,406	1,27,080	14,771
				5·4	2·3	76·7	9·8	74·6	11·2	65·3	11·3	64·5	11·6

REGION–5
(INLAND EASTERN)
Table–9 A

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT ORGANIC MANURES AND PESTICIDES IN IRRIGATED AREAS

(Area in hectares)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Irrigated Area under selected Crops	No. of Holdings and Area benefitted by Organic Manures					
						Organic Manures				Pesticides	
						Farm yard Manure		Compost		Pesticides	
		Number	Area			No. of Holdings	Area	No. of Holdings	Area	No. of Holdings	Area
1	2	3	4	5	6	23	24	25	26	27	28
1	Below– 1·00	1,31,631	86,155	21,638	9,646	7,377	3,870	843	527	1,230	710
	%			16·0	10·1	34·1	40·1	3·9	5·5	5·7	7·4
2	1·00 – 1·99	2,24,805	3,35,794	21,373	13,390	3,639	1,622	349	422	2,469	838
	%			·9	·4	17·0	12·1	1·6	3·2	11·6	6·3
3	2·00 – 3·99	2,69,150	7,68,038	40,129	34,773	13,676	8,955	361	466	10,916	8,426
	%			13·3	4·0	34·1	25·8	·9	1·3	27·2	24·2
4	4·00 – 9·99	2,82,930	17,54,367	66,431	78,428	21,474	19,917	1,491	1,520	9,352	8,202
	%			22·4	4·4	32·3	25·4	2·2	1·9	14·1	10·5
5	10 & More	91,591	13,51,026	32,821	60,605	8,944	13,527	640	1,040	6,978	12,107
	%			23·8	2·8	27·3	22·3	1·9	1·7	21·3	20·0
	(All classes)	10,00,107	42,95,380	1,82,392	1,96,841	55,110	47,892	3,684	3,975	30,945	30,283
	%			5·4	2·3	30·2	24·3	2·0	2·0	17·0	15·4

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–10 *ESTIMATED NUMBER AND AREA OF HOLDINGS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES AND PESTICIDES IN UNIRRIGATED AREAS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Gross area under selected Crops	Chemical Fertilizers		Organic Manures		Pesticides	
		Number	Area			No. of Holdings benefited	Area Treated	No. of Holdings benefited	Area Treated	No. of Holdings benefited	Area Treated
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,31,631	86,155	1,19,568	72,969	24,353	12,394	31,150	18,149	13,560	8,133
	%			87·8	81·7	20·4	17·0	26·1	24·9	11·3	11·1
2	1·00 – 1·99	2,24,805	3,35,794	2,30,541	2,81,268	53,020	53,056	75,704	79,776	37,016	32,442
	%			89·7	72·0	23·0	18·9	32·8	28·4	16·1	11·5
3	2·00 – 3·99	2,69,150	7,68,038	2,82,841	5,99,414	83,402	92,583	1,04,056	1,47,166	54,450	56,756
	%			93·6	69·4	29·5	15·4	36·8	24·6	19·3	9·5
4	4·00 – 9·99	2,82,930	17,54,367	2,89,797	13,62,707	1,11,658	2,40,370	1,50,898	4,73,206	78,683	1,58,519
	%			97·5	75·9	38·5	17·6	52·1	34·7	27·2	11·6
5	10 & More	91,591	13,51,026	92,515	9,14,334	56,794	2,30,322	65,391	3,89,697	46,507	1,75,950
	%			99·3	69·1	61·4	25·2	70·7	42·6	50·3	19·2
(All classes)		10,00,107	42,95,380	10,15,262	32,30,692	3,29,227	6,28,725	4,27,199	11,07,994	2,30,216	4,31,801
	%			93·5	72·4	32·4	19·5	42·1	34·3	22·7	13·4

Table 10 'A'

Area in hectares

Sr. No.	Size Class of Holdings	No. of holdings growing one or more selected Crops & Gross unirrigated area		Chemical Fertilizers		Organic Manure		Pesticide	
		No. S.E.	Area S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.
1	2	3	4	5	6	7	8	9	10
1	Below – 1·00	14,076	7,999	5,376	2,827	4,845	3,036	3,486	2,185
	%	11·8	11·0	22·1	22·8	15·6	16·7	25·7	26·9
2	1·00 – 1·99	26,455	30,889	10,470	11,480	10,866	12,248	6,757	6,428
	%	11·5	11·0	19·7	21·6	14·4	15·4	18·3	19·8
3	2·00 – 3·99	28,653	63,378	12,493	14,090	10,763	14,530	9,533	9,258
	%	10·1	10·6	15·0	15·2	10·3	9·9	17·5	16·3
4	4·00 – 9·99	25,122	1,11,972	13,020	33,389	11,230	44,422	9,910	25,691
	%	8·7	8·2	11·7	13·9	7·4	9·4	12·6	16,2
5	10 & More	7,343	73,754	5,265	28,311	6,514	46,076	5,224	27,767
	%	7·9	8·1	9·3	12·3	10·0	11·8	11·2	15·8
(All Classes)		49,031	1,51,698	22,177	47,483	20,638	66,833	16,559	39,533
	%	4·8	4,7	6·7	7·6	4·8	6·0	7·2	9·2

REGION–5
(INLAND EASTERN)

AGRICULTURAL CENSUS 1976 - 77, MAHARASHTRA STATE

Table 11

ESTIMATED UNIRRIGATED AREA UNDER PADDY COVERED BY DIFFERENT INPUTS

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1·00	1,31,631	1186,155	12,300	173	3,641	3,814
	%			9·0	4·5	95·5	4·3
2	1·00 – 1·99	2,24,805	3,35,794	20,963	48	9,192	9,240
	%			8·2	·5	99·5	2·4
3	2·00 – 3·99	2,69,150	7,68,038	57,529	2,668	28,783	31,451
	%			19·0	8·5	91·5	3·6
4	4·00 – 9·99	2,82,930	17,54,367	66,175	5,655	33,219	38,875
	%			22·3	14·5	85·5	2·2
5	10 & More	91,591	13,51,026	33,091	2,067	20,277	22,344
	%			35·5	9·2	90·8	1·7
	(All classes)	10,00,107	42,95,380	1,90,058	10,611	95,112	1,05,723
	%			17·5	10·0	90·0	2·4

Table 11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	–	–	–	–	–	–	1,069	173	56	229	31	135
	%	–	–	–	–			8·7	100·0	1·6	6·0		
2	1·00 – 1·99	–	–	–	–	–	–	397	–	134	134	19	141
	%	–	–	–	–			1·9		1·5	1·5		
3	2·00 – 3·99	–	–	–	–	–	–	624	158	362	520	32	62
	%							1·1	5·9	1·3	1·7		
4	4·00 – 9·99	–	–	–	–	–	–	1,928	1,728	495	2,223	137	62
	%							2·9	30·6	1·5	5·7		
5	10 & More	41	–	16	16	2	123	861	1,137	283	1,420	95	67
	%	·1		·1	·1			2·6	55·0	1·4	6·4		
	(All classes)	41	–	16	16	2	123	4,879	3,195	1,331	4,526	314	69
	%							2·6	30·1	1·4	4·3		

REGION–5

Table–11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	1,672	–	478	478	28	59	802	–	106	106	12	113
	%	13·6		13·1	12·5			6·5		2·9	2·8		
2	1·00 – 1·99	2,863	–	1,681	1,681	157	93	1,775	–	934	934	62	66
	%	13·7		18·3	18·2			8·5		10·2	10·1		
3	2·00 – 3·99	7,652	954	1,884	2,839	320	113	5,101	1,541	464	2,005	293	146
	%	13·3	35·8	6·5	9·0			8·9	57·8	1·6	6·4		
4	4·00 – 9·99	16,757	5,010	6,665	11,675	1068	91	6,961	4,977	1,892	6,869	798	116
	%	25·3	88·6	20·1	30·0			10·5	88·0	5·7	17·7		
5	10 & More	9,118	1,680	4,164	5,843	484	83	4,749	483	1,714	2,198	193	88
	%	27·6	81·3	20·5	26·2			14·4	23·4	8·5	9·8		
	(All classes)	38,062	7,644	14,872	22,515	2,057	91	19,388	7,001	5,111	12,112	1,358	112
	%	20·0	72·0	15·6	21·3			10·2	66·0	5·4	11·5		

Table–11 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	5,787	173	1,655	1,827	144	78	1,204	–	441	441	32	73
	%	47·0	100·0	45·4	47·9			9·8		12·1	11·6		
2	1·00 – 1·99	5,272	16	1,059	1,075	79	74	2,842	–	1,437	1,437	7,367	5,127
	%	25·1	32·4	11·5	11·6			13·6		15·6	15·6		
3	2·00 – 3·99	21,475	2,379	6,492	8,871	663	75	2,723	–	1,400	1,400	99	71
	%	37·3	89·2	22·6	28·2			4·7		4·9	4·4		
4	4·00 – 9·99	28,938	1,261	13,943	15,204	757	50	4,838	–	5,658	5,658	309	55
	%	43·7	22·3	42·0	39·1			7·3		17·0	14·6		
5	10 & More	12,651	1,610	7,846	9,455	367	39	2,251	–	2,106	2,106	149	71
	%	38·2	77·9	38·7	42·3			6·8		10·4	9·4		
	(All Classes)	74,123	5,438	30,995	36,433	2,010	55	13,858	–	11,041	11,041	7,956	721
	%	39·0	51·2	32·6	34·5			7·3		11·6	10·4		

REGION–5

Table–11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1·00	–	–	–	–	–	–	82	–	16	16	–	–
	%							·7		·5	·4		
2	1·00 – 1·99	323	–	68	68	2	30	–	–	–	–	–	–
	%	1·5		·7	·7								
3	2·00 – 3·99	48	–	4	4	–	–	315	214	4	218	–	–
	%	·1						·5	8·0		·7		
4	4·00 – 9·99	896	2,938	–	2,938	35	12	1,678	3,249	185	3,434	14	4
	%	1·4	51·9		7·6			2·5	57·5	·6	8·8		
5	10 & More	841	173	234	406	30	74	389	13	260	273	–	–
	%	2·5	8·3	1·2	1·8			1·2	·6	1·3	1·2		
	(All classes)	2,108	3,110	305	3,415	67	20	2,464	3,476	466	3,942	14	4
	%	1·1	29·3	·3	3·2			1·3	32·8	·5	3·7		

NOTE :-

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respective area under the crop.

REGION–5
(INLAND EASTERN)
Table–12

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED UNIRRIGATED AREA UNDER BAJRI COVERED BY DIFFERENT INPUTS

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,31,631	86,155	1,951	–	160	160
	%			1·4		100·0	·2
2	1·00 – 1.99	2,24,805	3,35,794	6,623	13	852	864
	%			2·6	1·5	98·5	·2
3	2·00 – 3.99	2,69,150	7,68,038	19,477	14	2,952	2,966
	%			6·4	·5	99·5	·3
4	4·00 – 9.99	2,82,930	17,54,367	27,688	2,277	7,321	9,597
	%			9·3	23·7	76·3	·5
5	10 & More	91,591	13,51,026	14,809	795	5,819	6,614
	%			15·9	12·0	88·0	·5
	(All classes)	10,00,107	42,95,380	70,548	3,098	17,103	20,201
	%			6·5	15·3	84·7	·5

Table 12 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3.99	604	–	473	473	30	63	–	–	–	–	–	–
	%	3·1		16·0	16·0								
4	4·00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
	(All classes)	604	–	473	473	30	63	–	–	–	–	–	–
	%	·9		2·8	2·3								

REGION–5

Table–12 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	–	–	–	–	–	–	604	–	473	473	30	63
	%							3·1		16·0	16·0		
4	4·00 – 9·99	562	–	458	458	29	63	689	1,033	–	1,033	89	114
	%	2·0		6·3	4·8			2·5	45·4		10·8		
5	10 & More	1,455	671	321	992	63	63	377	671	139	811	46	57
	%	9·8	84·4	5·5	15,0			2·5	84·4	2·4	12·3		
	(All classes)	2,017	671	779	1,450	92	63	1,670	1,704	612	2,316	165	84
	%	2·9	21·7	4·6	7·2			2·4	55·0	3·6	11·5		

Table–12 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	326	–	26	26	5	195	–	–	–	–	–	–
	%	16·7		16·0	16·0								
2	1·00 – 1·99	1,430	–	82	82	8	98	–	–	–	–	–	–
	%	21·6		9·7	9·5								
3	2·00 – 3·99	6,435	–	1,135	1,135	153	135	–	–	–	–	–	–
	%	33·0		38·4	38·3								
4	4·00 – 9·99	5,033	1,033	1,534	2,567	768	299	543	–	106	106	5	47
	%	18·2	45·4	21·0	26·7			2·0		1·5	1·1		
5	10 & More	2,017	–	642	642	171	266	673	–	411	411	77	187
	%	13·6		11·0	9·7			4·5		7·1	6·2		
	(All classes)	15,241	1,033	3,419	4,452	1,105	248	1,216	–	517	517	82	159
	%	21·6	33·3	20·0	22·0			1·7		3·0	2·6		

REGION–5

Table–12 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Dusting: Area treated H.Y.V.	Pesticide by Dusting: Area treated Others	Pesticide by Dusting: Area treated Total (46+47)	Pesticide by Dusting: Quantity Applied Total M.T.	Pesticide by Dusting: Quantity Applied Kg/ha 49/48	Pesticide by Spraying: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Spraying: Area treated H.Y.V.	Pesticide by Spraying: Area treated Others	Pesticide by Spraying: Area treated Total (52+53)	Pesticide by Spraying: Quantity Applied Kilo Lt.	Pesticide by Spraying: Quantity Applied Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below– 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	–	–	–	–	–	–	604	–	473	473	1	2
	%							3·1		16·0	16·0		
4	4·00 – 9·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	288	671	77	748	42	56	43	80	–	80	–	–
	%	1·9	84·4	1·3	11·3			·3	10·1		1·2		
	(All classes)	288	671	77	748	42	56	647	80	473	553	1	2
	%	·4	21·7	·4	3·7			·9	2·6	2·8	2·7		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table 13 *ESTIMATED UNIRRIGATED AREA UNDER KHARIF JOWAR COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1·00	1,31,631	86,155	88,256	13,652	28,761	42,414
	%			64·8	32·2	67·8	47·5
2	1·00 – 1·99	2,24,805	3,35,794	1,88,415	40,164	1,26,611	1,66,776
	%			73·3	24·1	75·9	42·7
3	2·00 – 3·99	2,69,150	7,68,038	2,31,902	60,453	2,58,894	3,19,346
	%			76·7	18·9	81·1	37·0
4	4·00 – 9·99	2,82,930	17,54,367	2,64,710	1,13,373	5,45,699	6,59,072
	%			89·0	17·2	82·8	36·7
5	10 & More	91,591	13,51,026	85,304	1,15,114	3,09,171	4,24,285
	%			91·6	27·1	72·9	32·1
	(All classes)	10,00,107	42,95,380	8,58,587	3,42,756	12,69,136	16,11,893
	%			79·1	21·3	78·7	36·1

Table 13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	31	9	–	9	2	215	177	123	–	123	10	81
	%	·1	·1		·1			·2	·9		·3		
2	1·00 – 1·99	45	22	–	22	3	134	1,476	572	123	694	88	127
	%	·1	·1		·1			·8	1·4	·1	·4		
3	2·00 – 3·99	1,329	666	88	754	106	141	2,017	1,179	–	1,179	218	185
	%	·6	1·1		·2			·9	2·0		·4		
4	4·00 – 9·99	142	152	39	191	13	68	1,915	918	873	1,792	227	127
	%	·1	·1					·7	·8	·2	·3		
5	10 & More	357	258	174	432	17	39	2,231	3,239	1,022	4,260	359	84
	%	·4	·2	·1	·1			2·6	2·8	·3	1·0		
	(All classes)	1,904	1,108	302	1,410	141	100	7,816	6,031	2,018	8,048	902	112
	%	·2	·3		·1			·9	1·8	·2	·5		

REGION–5

Table–13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below– 1·00	12,658	5,992	172	6,164	579	94	10,532	5,524	136	5,660	738	130
	%	14·3	43·9	·6	14·5			11·9	40·5	·5	13·3		
2	1·00 – 1·99	24,163	16,022	3,091	19,113	1,288	67	26,881	16,142	2,270	18,412	3,050	166
	%	12·8	39·9	2·4	11·5			14·3	40·2	1·8	11·0		
3	2·00 – 3·99	49,597	33,284	3,516	36,800	3,599	98	40,603	30,883	3,690	34,574	4,273	124
	%	21·4	55·1	1·4	11·5			17·5	51·1	1·4	10·8		
4	4·00 – 9·99	62,575	66,485	17,284	83,770	6,582	79	54,669	63,223	2,479	65.702	7,126	108
	%	23·6	58·6	3·2	12·7			20·7	55·8	·5	10·0		
5	10 & More	36,295	78,158	8,012	86,170	6,868	80	35,521	79,206	11,850	91.056	8,180	90
	%	42·5	67·9	2·6	20·3			41·6	68·8	3·8	21·5		
	(All classes)	1,85,288	1,99,942	32,075	2,32,017	18,916	82	1,68,206	1,94,979	20,425	2,15,404	23,367	108
	%	21·6	58·3	2·5	14·4			19·6	56·9	1·6	13·4		

Table 13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	15,190	2,909	5,039	7,948	400	50	356	–	134	134	534	3,995
	%	17·2	21·3	17·5	18·7			·4		·5	·3		
2	1·00 – 1·99	45,279	14,092	19,049	33,141	1,753	53	2,884	96	1,675	1,770	3,562	2,012
	%	24·0	35·1	15·0	19·9			1·5	·2	1·3	1·1		
3	2·00 – 3·99	58,021	19,678	34,147	53,825	4,080	76	863	–	937	937	23	25
	%	25·0	32·6	13·2	16·9			·4		·4	·3		
4	4·00 – 9·99	74,722	48,197	90,720	1,38,917	4,454	32	12,026	458	29,331	29,788	2·828	95
	%	28·2	42·5	16·6	21·1			4·5	·4	5·4	4·5		
5	10 & More	40,123	49,737	79,658	1,29,394	5,305	41	3,734	658	11,695	12,353	2,362	191
	%	47·0	43·2	25·8	30·5			4·4	·6	3·8	2·9		
	(All classes)	2,33,335	1,34,613	2,28,613	3,63,226	15,992	44	19,863	1,211	43,772	44,983	9,309	207
	%	27·2	39·3	18·0	22·5			2·3	·4	3·4	2·8		

REGION–5

Table 13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	2,410	1,472	–	1,472	23	16	8,725	4,757	–	4,757	53	11
	%	2·7	10·8		3·5			9·9	34·8		11.2		
2	1.00 – 1.99	9,647	4,772	1,236	6,009	224	37	21,132	13,296	1,960	15,256	34	2
	%	5·1	11·9	1·0	3·6			11·2	33·1	1.5	9·1		
3	2·00 – 3·99	9,125	7,138	686	7,824	137	18	30,251	20,111	904	21,016	156	7
	%	3·9	11·8	·3	2·4			13·0	33·3	·3	6·6		
4	4·00 – 9·99	27,786	35,817	1,087	36,904	572	15	40,754	43,987	2,412	46,399	814	18
	%	10·5	31·6	·2	5·6			15·4	38·8	·4	7·0		
5	10 & More	17,167	36,132	3,549	39,681	964	24	31,449	54,782	3,963	58,745	344	6
	%	20·1	31·4	1·1	9·4			36·9	47·6	1·3	13·8		
(All classes)		66,135	85,331	6,558	91,889	1,920	21	1,32,311	1.36,933	9,240	1,46,173	1,401	10
%		7·7	24·9	·5	5·7			15·4	40·0	·7	9·1		

NOTE

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respective area under the crop.

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 14 *ESTIMATED UNIRRIGATED AREA UNDER COTTON COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
	2	3	4	5	6	7	8
1	Below – 1·00	1,31,631	86,155	34,113	7,897	12,411	20,308
	%			25·1	38·9	61·1	22·7
2	1.00 – 1.99	2,24,805	3,35,794	95,968	37,642	51,929	89,571
	%			37·4	42·0	58·0	22·9
3	2.00 – 3.99	2,69,150	7,68,038	1,47,706	69,531	1,36,727	2,06,258
	%			48·9	33·7	66·3	23·9
4	4.00 – 9.99	2,82,930	17,54,367	2,17,531	1,88,261	3,89,186	5,77,447
	%			73·2	32·6	67·4	32·1
5	10 & More	91,591	13,51,026	79,621	1,23,175	2,81,532	4,04,707
	%			85·5	30·4	69·6	30·6
	(All classes)	10,00,107	42,95,380	5,74,939	4,26,507	8,71,785	12,98,291
	%			53·0	32·9	67·1	29·1

Table 14 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	29	29	–	29	4	136	155	44	–	44	7	161
	%	·1	·4		·1			·5	·6		·2		
2	1·00 – 1·99	–	–	–	–	–	–	675	319	184	503	53	105
	%							·7	·8	·4	·6		
3	2·00 – 3·99	526	696	–	696	42	60	2,407	1,889	–	1,889	237	125
	%	·4	1·0		·3			1·6	2·7		·9		
4	4·00 – 9·99	347	273	–	273	17	62	4,398	3,640	282	3,922	444	113
	%	·2	·1					2·0	1·9	·1	·7		
5	10 & More	434	800	368	1,168	50	43	2,897	6,299	341	6,640	678	102
	%	·5	·6	·1	·3			3·6	5·1	·1	1·6		
	(All classes)	1,336	1,798	368	2,166	113	52	10,532	12,191	806	12,997	1,419	109
	%	·2	·4		·2			1·8	2·9	·1	1·0		

REGION–5

Table 14 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (22+23)	Quantity Applied Total M.T.	Quantity Applied Kg/ha 25/24	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (28+29)	Quantity Applied Total M.T.	Quantity Applied Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below– 1·00	2,902	1,052	361	1,413	216	153	3,170	1,624	164	1,788	266	149
	%	8·5	13·3	2·9	7·0			9·3	20·6	1·3	8·8		
2	1·00 – 1·99	17,954	15,103	2,567	17,670	1,820	103	15,310	9,975	3,699	13,674	1,437	105
	%	18·7	40·1	4·9	19·7			16·0	26·5	7·1	15·3		
3	2.00 – 3·99	27,213	18,357	10,206	28,563	3,358	118	22,662	14,519	5,913	20,432	2,234	109
	%	18·4	26·4	7·5	13·8			15·3	20·9	4·3	9·9		
4	4.00 – 9·99	50,102	59,527	36,152	95,679	8,566	90	42,576	47,969	33,667	81,635	7,111	87
	%	23·0	31·6	9·3	16·6			19·6	25·5	8·7	14·1		
5	10 & More	28,953	59,980	18,997	78,976	6,048	77	24,366	56,679	17,915	74,594	6,549	88
	%	36·4	48·7	6·7	19·5			30·6	46·0	6·4	18·4		
	(All classes)	1,27,124	1,54,020	68,282	2,22,301	20,008	90	1,08,084	1,30,766	61,358	1,92,123	17,597	92
	%	22·1	36·1	7·8	17·1			18·8	30·7	7·0	14·8		

Table 14 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Campost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (34+35)	Quantity Applied Total 00 M.T.	Quantity Applied qt/ha 37/36	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V	Area treated Others	Area treated Total (40+41)	Quantity Applied Total 00M.T.	Quantity Applied qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Be'ow –1·00	8,856	2,406	3,046	5,451	439	81	356	71	71	142	534	3,752
	%	26·0	30·5	24·5	26·8			1·0	·9	·6	·7		
2	1·00 – 1·99	40,542	20,390	15,647	36,037	2,164	60	2,301	2,364		2,364	4,335	1,834
	%	42·2	54·2	30·1	40·2			2·4	6·3		2·6		
3	2.00 – 3·99	61,069	25,717	42,410	68,128	4,537	67	1,038	650	836	1,486	128	86
	%	41·3	37·0	31·0	33·0			·7	·9	·6	·7		—
4	4.00 – 9·99	97,179	83,316	1,58,449	2,41,765	17,098	71	7,207	11,505	8,236	91,741	1,687	85
	%	44·7	44·3	40·7	41·9			3·3	6·1	2·1	3·4		
5	10 & More	45,660	68,514	1,37,336	2,05,850	11,578	56	2,798	3,247	7,288	10,535	1,639	156
	%	57·3	55·6	48·8	50·9			3·5	2·6	2·6	2·6		
	(All classes)	2,53,306	2,00,344	3,56,888	5,57,231	35,816	64	13,700	17,837	16,432	34,270	8,323	243
	%	44·1	47·0	40·9	42·9			2·4	4·2	1·9	2·6		

REGION–5

Table–14 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Dusting: Area treated H.Y.V.	Pesticide by Dusting: Area treated Others	Pesticide by Dusting: Area treated Total (46+47)	Pesticide by Dusting: Quantity Applied Total M.T.	Pesticide by Dusting: Quantity Applied Kg/ha 49/48	Pesticide by Spraying: No. of Holdings treated (% w.r.t. col. 5)	Pesticide by Spraying: Area treated H.Y.V.	Pesticide by Spraying: Area treated Others	Pesticide by Spraying: Area treated Total (52+53)	Pesticide by Spraying: Quantity Applied Kilo. Lt.	Pesticide by Spraying: Quantity Applied Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	552	128	94	222	3	14	4,824	1,178	1,809	2,987	8	3
	%	1·6	1·6	·8	1.1			14·1	14·9	14.6	14·7		
2	1.00 – 1.99	8,674	6,540	–	6,540	51	8	15,923	8,912	5,707	14,619	74	5
		9.0	17.4		7·3			16.6	23·7	11·0	16.3		
3	2.00 – 3.99	9,628	5,329	7,551	12,881	356	28	28,677	15,438	13,338	28,776	187	6
	%	6,5	7·7	5·5	6·2			19·4	22·2	9.8	14·0		
4	4.00 – 9.99	19,147	23,617	13,655	37,273	516	14	42,610	55,327	31,723	87,050	219	3
		8·8	12·5	3·5	6·5			19·6	29·4	8·2	15·1		
5	10 & More	9,346	25,451	5,697	31,147	449	14	27,051	64,292	27,035	91,327	486	5
	%	11·7	20·7	2·0	7·7			34·0	52·2	9·6	22·6		
	(All classes)	47,347	61,065	26,997	88,062	1 375	16	1,19,085	1,45,147	79,612	2,24,759	974	4
	%	8·2	14·3	3.1	6·8			20·7	34·0	9·1	17·3		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 15 *ESTIMATED UNIRRIGATED AREA UNDER RABI JOWAR COVERED BY DIFFERENT INPUTS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,31,631	86,155	3,571	370	743	1,112
				2·6	33·2	66·8	1·2
2	1.00 – 1.99	2,24,805	3,35,794	4,847	–	3,250	3,250
				1·9	–	100·0	·8
3	2.00 – 3.99	2,69,150	7,68,038	10,522	3,903	9,245	13,148
				3·5	29·7	70·3	1·5
4	4.00 – 9.99	2,82,930	17,54,367	9,070	306	26,883	27,190
				3·1	1·1	98·9	1·5
5	10 & More	91,591	13,51,026	3,385	542	10,580	11,122
				3·6	4·9	95·1	·8
(All classes)		10,00,107	42,95,380	31,395	5,120	50,701	55,822
%				2·9	9·2	90·8	1·3

Table 15 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
3	2.00 – 3.99	604	–	710	710	3	4	–	–	–	–	–	–
		5.7		7.7	5.4								
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
(All classes)		604	–	710	710	3	4	–	–	–	–	–	–
%		1·9		1·4	1·3								

REGION–5

Table 15 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings	Area treated			Quantity Applied		No. of Holdings	Area treated			Quantity Applied	
		treated (% w.r.t. col. 5)	H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24	treated (% w.r.t. col. 5)	H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below– 1·00	630	223	–	223	15	67	1·260	322	–	322	37	115
	%	17.6	60.3		20·0			35·3	87·1		28·9		
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	130	104	–	104	7	67	–	–	–	–	–	–
	%	1·4	33·9		·4								
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
	(All classes)	760	327	–	327	22	67	1,260	322	–	322	37	115
	%	2·4	6·4		,6			4·0	6·3		·6		

Table 15 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings	Area treated			Quantity Applied		No. of Holdings	Area treated			Quantity Applied	
		treated (% w.r.t. col. 5)	H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36	treated (% w.r.t. col. 5)	H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below– 1·00	1,025	233	156	379	15	40	–	–	–	–	–	–
	%	28·7	60·3	21·0	34·0								
2	1·00 – 1·99	1,008	–	901	901	18	20	–	–	–	–	–	–
	%	20·8		27·7	27·7								
3	2·00 – 3·99	2,953	–	3,641	3,641	118	32	–	–	–	–	–	–
	%	28·1		39·4	27·7								
4	4·00 – 9·99	2,525	306	6,887	7,194	115	16	–	–	–	–	–	–
	%	27·8	100·0	25·6	26·5								
5	10 & More	904	291	2,363	2,655	242	91	–	–	–	–	–	–
	%	26·7	53·8	22·3	23·9								
	(All classes)	8,415	821	13,949	14,770	508	34		–	–	–	–	–
	%	26·8	16·0	27·5	26·5								

REGION-5

Table 15 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below- 1.00 %	-	-	-	-	-	-	-	-	-	-	-	-
2	1.00 - 1.99 %	-	-	-	-	-	-	-	-	-	-	-	-
3	2.00 - 3.99 %	-	-	-	-	-	-	-	-	-	-	-	-
4	4.00 - 9.99 %	-	-	-	-	-	-	309	-	907	907	-	-
								3.4		3.4	3.3		
5	10 & More %	-	-	-	-	-	-	-	-	-	-	-	-
	(All classes) %	-	-	-	-	-	-	309	-	907	907	-	-
								1.0		1.8	1.6		

NOTE :-

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 16 *ESTIMATED UNIRRIGATED AREA UNDER WHEAT COVERED BY DIFFERENT INPUTS* Area in hectar

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below– 1·00	1,31,631	86,155	10,817	800	4,367	5,167
	%			7.9	15·5	84·5	5·8
2	1·00 – 1·99	2,24,805	3,35,794	13,625	1,243	10,336	11,579
	%			5·3	10·7	89·3	3·0
3	2·00 – 3·99	2,69,150	7,68,038	28,618	1,798	24,465	26,263
	%			9·5	6.8	93·2	3·0
4	4·00 – 9·99	2,82,930	17,54,367	38,096	10,550	39,993	50,543
	%			12·8	20·9	79·1	2·8
5	10 & More	91,591	13,51,026	21,850	4,310	40,973	45,283
	%			23·5	9·5	90·5	3·4
	(All classes)	10,00,107	42,95,380	1,13,006	18,701	1,20,134	1,38,835
	%			10·4	13·5	86·5	3·1

Table 16 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below– 1·00	–	–	–	–	–	–	82	16	–	16	4	244
	%							·8	2·1		·3		
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	–	–	–	–	–	–	32	–	81	81	9	111
	%							·1		·2	·2		
5	10 & More	–	–	–	–	–	–	122	–	214	214	11	51
	%							·6		·5	·5		
	(All classes)	–	–	–	–	–	–	236	16	295	311	24	77
	%							·2	·1	·2	·2		

REGION–5

Table 16 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (22+23)	Quantity Applied Total M.T.	Quantity Applied Kg/ha 25/24	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (28+29)	Quantity Applied Total M.T.	Quantity Applied Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	113	16	23	40	6	151	–	–	–	–	–	–
	%	1·0	2·1	·5	·8								
2	1·00 – 1·99	2,279	446	1,255	1,700	92	54	119	29	20	49	4	82
	%	16·7	35·9	12·1	14·7			1·9	2·3	·2	·4		
3	2·00 – 3·99	2,943	1,093	2,776	3,869	228	59	1,078	370	48	418	99	237
	%	10·3	60·8	11·3	14·7			3·8	20·6	·2	1·6		
4	4·00 – 9·99	3,792	4,464	2,557	7,021	435	62	2,915	2,388	2,001	4,389	472	108
	%	10·0	42·3	6·4	13·9			7·7	22·6	5·0	8·7		
5	10 & More	4,066	2,063	5,932	7,995	416	52	1,683	1,536	2,036	3,572	183	51
	%	18·6	47·9	14·5	17·7			7·7	35·6	5·0	7·9		
	(All classes)	13,193	8,083	12,543	20,625	1,177	57	5,795	4,323	4,105	8,427	758	90
	%	11·7	43·2	10·4	14·9			5·1	23·1	3·4	6·1		

Table 16 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Campost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (34+35)	Quantity Applied Total 00 M.T	Quantity Applied qt/ha 37/36	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (40+41)	Quantity Applied Total 00M.T.	Quantity Applied qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	2,634	16	1,785	1,801	108	60	–	–	–	–	–	–
	%	24·4	2·1	40·9	34·9								
2	1·00 – 1·99	2,997	29	2,758	2,787	42	15	469	–	280	280	6	21
	%	22·0	2·3	26·7	24·1			3·4		2·7	2·4		
3	2·00 – 3·99	8,895	716	5,754	6,470	218	34	719	–	1,280	1,280	33	26
	%	31·1	39·8	23·5	24·6			2·5		5·2	4·9		
4	4·00 – 9·99	5,815	1,930	3,856	5,787	313	54	2,145	–	7,025	7,025	156	22
	%	15·3	18·3	9·6	11·4			5·6		17·6	13·9		
5	10 & More	5,871	1,681	12,290	13,971	330	24	829	113	2,220	2,333	50	21
	%	26·9	39·0	30·0	30·9			3·8	2·6	5·4	5·2		
	(All classes)	26,212	4,373	26,443	30,816	1,011	33	4,162	113	10,805	10,918	245	22
	%	23·2	23·4	22·0	22·2			3·7	·6	9·0	7·9		

REGION–5

Table 16 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46 + 47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52 + 53)	Kilo. Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	
1	Below – 1.00	–	–	–	–	–	–	82	16	–	16	–	–
								·8	2·1		·3		
2	1.00 – 1.99	–	–	–	–	–	–	38	29	–	29	–	–
								·3	2·3		·3		
3	2.00 – 3.99	352	–	1,095	1,095	7	6	352	–	1,095	1,095	1	1
		1·2		4·5	4·2			1·2		4·5	4·2		
4	4.00 – 9.99	–	–	–	–	–	–	104	242	–	242	–	–
								·3	2·3		·5		
5	10 & More	476	111	546	657	5	8	848	1,354	343	1,696	1	1
		2·2	2·6	1·3	1·5			3·9	31·4	·8	3·7		
(All classes)		828	111	1,641	1,752	12	7	1,424	1,641	1,438	3,078	2	1
%		·7	·6	1·4	1·3			1·3	8·8	1·2	2·2		

NOTE –

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respective area under the crop.

Table–17 *ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT CHEMICAL FERTILIZERS IN UNIRRIGATED AREAS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Number and Area benefitted by Chemical Fertilizers									
				No. of Holdings Growing one or more selected Crops	Unirrigated Area under selected Crops	Ammonium Sulphate				Super Phosphate			
		Number	Area			No. of Holdings	S.E. % S.E	Area	S.E. % S.E.	No. of Holdings	S.E. % S.E	Area	S.E. % S.E
		3	4	5	6	7	8	9	10	11	12	13	14
1	Below – 1·00	1,31,631	86,155	1,19,568	72,969	60	42	39	30	1,401	898	412	208
	%			87·8	81·7	·1	70.0	·1	78·3	1·2	64·1	·6	50·6
2	1·00 – 1·99	2,24,805	3,35,794	2,30,541	2,81,268	45	44	22	22	2,036	908	1,332	543
	%			89·7	72·0		97.8		98·9	·9	44·6	·5	40·8
3	2·00 – 3·99	2,69,150	7,68,038	2,82,841	5,99,414	2,229	990	2,633	1,407	3,791	1,269	3,588	1,443
	%			93·6	69·4	·8	44.4	·4	53·5	1.3	33·5	·6	40·2
4	4.00 – 9·99	2,82,930	17,54,367	2,89,797	13,62,707	489	266	464	228	6,158	1,939	8,017	2,969
	%			97·5	75·9	·2	54.4		49·2	2·1	31·5	·6	37·0
5	10 & More	91,591	13,51,026	92,515	9,14,334	833	327	1,617	799	4,592	1,196	12,534	3,573
	%			99·3	69·1	·9	39.3	·2	49·4	5·0	26·0	1·4	28·5
(All classes)		10,00,107	42,95,380	10,15,262	32,30,692	3,656	1,078	4,775	1,635	17,978	2,904	25,883	4,899
	%			93·5	72·4	.4	29·5	.1	34·2	1·8	16.2	·8	18·9

Table –17 (Contd)

Area in hectares

Sr No.	Size Class of Holdings	Total Holdings		Unirrigated		Chemical Fertilizers							
						Urea				Other Chemical Fertilizers			
		Number	Area	No. of Holdings Growing one or more selected Crops	Area under selected Crops	No. of Holdings	S.E.	Area	S.E.	No. of Holdings	S.E.	Area	S.E.
1	2	3	4	5	6	15	16	17	18	19	20	21	22
1	Below – 1·00	1,31,631	86,155	1,19,568	72,969	15,407	4,350	8,318	2,300	14,787	3,878	7,875	2,192
	%			87·8	81·7	12·9	28·2	11·4	27·6	12·4	26·2	10·8	27·8
2	1·00 – 1·99	2,24,805	3,35,794	2,30,541	2,81,268	40,922	8,029	40,163	8,211	33,888	7,821	33,068	8,546
	%			89·7	72·0	17·8	19·6	14·3	20·4	14.7	23·1	11·8	25·8
3	2·00 – 3·99	2,69,150	7,68,038	2,82,841	5,99,414	66,780	10,667	72,068	10,512	53,621	10,432	57,902	11,861
	%			93·6	69·4	23·6	16·0	12·0	14·6	19.0	19·5	9·7	20·5
4	4·00 – 9·99	2,82,930	17,54,367	2,89,797	13,62,707	95.254	10,381	1,98,705	26,730	79,107	11,684	1,59,628	24,459
	%			97·5	75·9	32·9	10·9	14·6	13·5	27·3	14·8	11·7	15·4
5	10 & More	91,591	13,51,026	92,515	9,14,334	49,915	5,019	1,79,973	21,486	43,036	4,411	1,72,231	24,791
	%			99·3	69.1	54·0	10·1	19·7	12·5	46·5	10·2	18·8	14·5
(All classes)		10,00,107	42,95,380	10,15,262	32,30,692	2,68,278	18,170	4,99,226	37,461	2,24,439	18,466	4,30,704	37,834
	%			93·5	72·4	26·4	6.8	15·5	7·5	22·1	8·2	13.3	8·8

REGION 5
(INLAND EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–17 A *ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT ORGANIC MANURES AND PESTICIDES IN UNIRRIGATED AREAS*

(Area in hectares)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	un Irrigated Area under selected Crops	No. of Holdings and Area benefitted by Organic Manures					
						Organic Manures				Pesticides	
						Farm yard Manure		Compost		Pesticides	
		Number	Area			No. of Holdings	Area	No. of Holdings	Area	No. of Holdings	Area
1	2	3	4	5	6	23	24	25	26	27	28
1	Below – 1·00	1,31,631	86,155	1,19,568	72,969	29,590	17,432	1,560	717	13,560	8,133
	%			87·8	81,7	24·7	23·9	1·3	1·0	11·3	11·1
2	1·00 – 1·99	2,24,805	3,35,794	2,30,541	2,81,268	70,734	74,020	5,100	5,851	37,016	32,442
	%			89·7	72·0	30·7	26·3	2·2	2·1	16·1	11·5
3	2·00 – 3·99	2,69,150	7,68,038	2,82,841	5,99,414	99,885	1,42,066	4,219	5,104	54,450	56,756
	%			93·6	69·4	35·3	23·7	1·5	.9	19·3	9·5
4	4·00 – 9·99	2,82,930	17,54,367	2,89,797	13,62,707	1,36,305	4,11,431	15,210	62,319	78,683	1,58,519
	%			97·5	75·9	47·0	30·2	5·2	4·6	27·2	11·6
5	10 & More	91.591	13,51,026	92,515	9,14,334	60,134	3,61,961	5,546	27,736	46,507	1,75,950
	%			99·3	69·1	65·0	39·6	6·0	3·0	50·3	19·2
	(All classes)	10,00,107	42,95,380	10,15,262	32,30,692	3,96,648	10,06,910	31,635	1,01,727	2,30,216	4,31,801
	%			93.5	72.4	39.1	31·2	3.1	3·1	22.7	13.4

REGION 5
(INLAND EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–18 *ESTIMATED NUMBER OF CATTLE REPORTED BY OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings reporting males	Males over 3 years			No. of Holdings reporting females	Females over 3 years		
		Number	Area		Working	Others	Total Males (6+7)		In Milk	Others	Total Females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,31,631	86,155	28,959	48,042	6,087	54,129	41,010	45,206	21,521	66,727
2	1·00 – 1·99	2,24,805	3,35,794	80,409	1,45,562	9,823	1,55,385	99,085	1,18,192	91,532	2,09,724
3	2·00 – 3·99	2,69,150	7,68,038	1,69,701	3,41,940	21,450	3,63,390	1,46,262	1,70,540	1,41,294	3,11,834
4	4·00 – 9·99	2,82,930	17,54,367	2,43,517	5,95,229	22,714	6,17,943	2,02,469	3,06,516	2,26,282	5,32,798
5	10 & More	91,591	13,51,026	89,593	3,68,859	15,880	3,84,739	81,365	2,15,589	1,80,586	3,96,175
	(All classes)	10,00,107	42,95,380	6,12,179	14,99,632	75,954	15,75,586	5,70,191	8,56,043	6,61,215	15,17,258

Table–18 (Contd.)

Sr. No.	Size Class of Holdings	Youngstock upto 3 years		Total	Total no. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock	Cols. (8+12+14)	
		13	14	15	16
1	Below – 1·00	21,348	37,017	1,57,873	53,464
2	1·00 – 1·99	61,590	98,515	4,63,624	1,32,314
3	2·00 – 3·99	90,831	1,71,388	8,46,612	2,08,985
4	4·00 – 9·99	1,46,991	3,23,054	14,73,795	2,61,441
5	10 & More	60,848	2,15,828	9,96,742	90,126
	(All classes)	3,81,608	8,45,802	39,38,646	7,46,330

REGION 5
(INLAND EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–19 *ESTIMATED NUMBER OF BUFFALOES REPORTED BY OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings reporting males	Males over 3 years			No. of Holdings reporting females	Females over 3 years		
		Number	Area		Working	Others	Total Males (6+7)		In Milk	Others	Total Females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,31,631	86,155	1,126	1,126	38	1,164	6,549	5,701	3,964	9,665
2	1·00 – 1·99	2,24,805	3,35,794	2,998	3,577	1,257	4,834	21,056	25,586	10,757	36,343
3	2·00 – 3·99	2,69,150	7,68,038	3,870	4,614	986	5,600	35,204	35,300	12,141	47,441
4	4·00 – 9·99	2,82,930	17,54,367	6,256	6,169	651	6,820	64,970	79,343	38,605	1,17,948
5	10 & More	91,591	13,51,026	5,162	6,018	1,637	7,655	46,173	56,356	37,115	93,471
(	All classes)	10,00,107	42,95,380	19,412	21,504	4,569	26,073	1,73,952	2,02,286	1,02,582	3,04,868

Table–19 (Contd.)

Sr. No.	Size Class of Holdings	Youngstock upto 3 years		Total Cols. (8+12+14)	Total no. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1·00	4,018	5,781	16,610	8,132
2	1·00 – 1·99	2,526	3,191	44,368	22,776
3	2·00 – 3·99	15,321	24,064	77,105	40,518
4	4·00 – 9·99	25,680	42,437	1,67,205	70,770
5	10 & More	20,808	36,153	1,37,279	48,519
(	All classes)	68,353	1,11,626	4,42,567	1,90,715

REGION 5
(INLAND EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–20

ESTIMATED NUMBER OF CATTLE PER 100 HECTARES OF AREA OPERATED BY HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings		No. of cattle per 100 hectares of area operated by Households								
				No. of Holdings Reporting Males	Males over 3 years			No. of Holdings Reporting Females	Females over 3 years		
		Number	Area		Working	Others	Total Col. (6 + 7)		In milk	Others	Total Col. (10 + 11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,31,631	86,155	28,959	54	7	61	41,010	51	24	76
2	1·00 – 1·99	2,24,805	3,35,794	80,409	37	3	40	99,085	30	23	54
3	2·00 – 3·99	2,69,150	7,68,038	1,69,701	40	2	42	1,46,262	20	16	36
4	4·00 – 9·99	2,82,930	17,54,367	2,43,517	33	1	35	2,02,469	17	13	30
5	10 & More	91,591	13,51,026	89,593	28	1	29	81,365	16	14	30
	(All classes)	10,00,107	42,95,380	6,12,179	33	2	35	5,70,191	19	15	33

Table–20 (Contd.)

Sr. No.	Size Class of Holdings	No. of cattle per 100 hectares of area operated by households			
		Youngstock upto 3 years		Total Cols. (8 + 12 + 14)	Total No. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1·00	21,348	42	179	53,464
2	1·00 – 1·99	61,590	25	119	1,32,314
3	2·00 – 3·99	90,831	20	98	2,08,985
4	4·00 – 9·99	1,46,991	18	83	2,61,441
5	10 & More	60,848	16	76	90,126
	(All classes)	3,81,608	19	87	7,46,330

REGION 5
(INLAND EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table –21

ESTIMATED NUMBER OF BUFFALOES PER 100 HECTARES OF AREA OPERATED BY HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	No. of Buffaloes per 100 hectares of area operated by Households									
		Total Holdings		No. of Holdings reporting males	Males over 3 years		Total males Col. (6+7)	No. of Holdings reporting females	Females over 3 years		
		Number	Area		Working	Others			In Milk	Others	Total females Col. (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,31,631	86,155	1,126	1	–	1	6,549	6	4	11
2	1·00 – 1·99	2,24,805	3,35,794	2,998	1	–	1	21,056	7	3	9
3	2·00 – 3·99	2,69,150	7,68,038	3,870	1	–	1	35,204	4	1	6
4	4·00 – 9·99	2,82,930	17,54,367	6,256	–	–	–	64,970	4	2	7
5	10 & More	91,591	13,51,026	5,162	–	–	1	46,173	4	3	7
	(All classes)	10,00,107	42,95,380	19,412	–	–	1	1,73,952	4	2	7

Table–21 (Contd.)

Sr. No.	Size Class of Holdings	No. of Buffaloes per 100 hectares of area operated by Households			
		Youngstock upto 3 years		Total of	
		Number of Holdings reporting youngstock	Total youngstock	Cols. (8 + 12 + 14)	Holdings reporting one or more categories
		13	14	15	16
1	Below – 1·00	4,018	7	19	8,132
2	1·00 – 1·99	2,526	1	11	22,776
3	2·00 – 3·99	15,321	3	9	40,518
4	4·00 – 9·99	25,680	2	9	70,770
5	10 & More	20,808	3	10	48,519
	(All classes)	68,353	2	10	1,90,715

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–22 *ESTIMATED NUMBER OF CATTLE PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		No. of Cattle per 100 Operating Households							
				Males over 3 years				Females over 3 years			
		Number	Area	No. of Holdings reporting males	Working	Others	Total males (6+7)	No. of Holdings reporting females	In Milk	Others	Total females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,31,631	86,155	28,959	36	5	40	41,010	34	16	50
2	1·00 – 1·99	2,24,805	3,35,794	80,409	57	4	60	99,085	46	36	82
3	2·00 – 3·99	2,69,150	7,68,038	1,69,701	114	7	121	1,46,262	57	47	104
4	4·00 – 9·99	2,82,930	17,54,367	2,43,517	202	8	209	2,02,469	104	77	181
5	10 & More	91,591	13,51,026	89,593	401	17	418	81,365	234	196	431
	(All classes)	10,00,107	42,95,380	6,12,179	138	7	145	5,70,191	79	61	140

Table–22 (Contd.)

Sr. No.	Size Class of Holdings	No. of Cattle per 100 Operating Households			
		Youngstock upto 3 years		Total Cols. (8+12+14)	Total No. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1·00	21,348	28	118	53,464
2	1·00 – 1·99	61,590	38	180	1,32,314
3	2·00 – 3·99	90,831	57	282	2,08,985
4	4·00 – 9·99	1,46,991	110	500	2,61,441
5	10 & More	60,848	235	1,083	90,126
	(All classes)	3,81,608	78	362	7,46,330

REGION 5
(INLAND EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–23 *ESTIMATED NUMBER OF BUFFALOES PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		Buffaloes per 100 Operating Households							
				Males over 3 years					Females over 3 years		
		Number	Area	No. of Holdings reporting males	Working	Others	Total males (6+7)	No. of Holdings reporting females	In Milk	Others	Total females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,31,631	86,155	1,126	1	–	1	6,549	4	3	7
2	1·00 – 1·99	2,24,805	3,35,794	2,998	1	–	2	21,056	10	4	14
3	2·00 – 3·99	2,69,150	7,68,038	3,870	2	–	2	35,204	12	4	16
4	4·00 – 9·99	2,82,930	17,54,367	6,256	2	–	2	64,970	27	13	40
5	10 & More	91,591	13,51,026	5,162	7	2	8	46,173	61	40	102
	(All classes)	10,00,107	42,95,380	19,412	2	–	2	1,73,952	19	9	28

Table–23 (Contd·)

Sr. No.	Size Class of Holdings	No. of Buffaloes per 100 Operating Households			
		Youngstock upto 3 years		Total Cols. (8+12+14)	Total No. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1·00	4,018	4	12	8,132
2	1·00 – 1·99	2,526	1	17	22,776
3	2·00 – 3·99	15,321	8	26	40,518
4	4·00 – 9·99	25,680	14	57	70,770
5	10 & More	20,808	39	149	48,519
	(All classes)	68,353	10	41	1,90,715

REGION–5

(INLAND EASTERN)

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table 24 ESTIMATED NUMBER OF LIVESTOCK (OTHER THAN CATTLE AND BUFFALOES) PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings		Number per 100 Operating Households														
				Sheep			Goats			Horses and Ponies	Mules	Donkeys or Asses	Pigs			Camels	Other Livestock
		Number	Area	Under one year	One year & above	Total	Under one year	One year & above	Total				below 6 months	above 6 months	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Below – 1·00	1,31,631	86,155	4	9	13	28	30	58	2	–	–	2	–	2	–	–
2	1·00 – 1·99	2,24,805	3,35,794	3	15	18	21	45	66	1	–	–	1	1	2	–	–
3	2·00 – 3·99	2,69,150	7,68,038	3	9	12	11	30	41	–	–	–	2	1	2	1	–
4	4·00 – 9·99	2,82,930	17,54,367	6	17	23	13	33	46	1	–	–	–	1	1	–	–
5	10 & More	91,591	13,51,026	14	36	50	33	56	89	5	–	–	1	1	3	–	2
	(All Classes)	10,00,107	42,95,380	5	15	20	18	36	54	1	–	–	1	1	2	–	–

Table 25 ESTIMATED NUMBER OF POULTRY PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings		Number per 100 Operating Households												Total Poultry
				Cocks			Hens			Chickens below 5 months			Ducks			
		Number	Area	Deshi	Improved	Total (Col. 5 + 6)	Deshi	Improved	Total (Col 8 + 9)	Deshi	Improved	Total (Col. 11 + 12)	Deshi	Improved	Total (Col. 14 + 15)	Col. 7 + 10 + 13 + 16
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Below – 1·00	1,31,631	86,155	–	–	8	–	–	36	–	–	32	–	–	1	76
2	1·00 – 1·99	2,24,805	3,35,794	–	–	17	–	–	78	–	–	62	–	–	–	157
3	2·00 – 3·99	2,69,150	7,68,038	–	–	6	–	–	32	–	–	11	–	–	–	50
4	4·00 – 9·99	2,82,930	17,54,367	–	–	12	–	–	69	–	–	37	–	–	–	118
5	10 & More	91,591	13,51,026	–	–	26	–	–	98	–	–	41	–	–	–	164
	(All Classes)	10,00,107	42,95,380	–	–	12	–	–	59	–	–	35	–	–	–	106

(INLAND EASTERN)
Table–26

ESTIMATED NUMBER OF AGRICULTURAL MACHINERY OWNED INDIVIDUALLY PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	Ploughs Wooden	Ploughs Iron	Total Col. 5+6	Earth Leveller or Scrapers	Harrows & Hoes	Hand Tractors Power Tillers	Seed Drills	Maize Shellers	Sprayers	Dusters	Harvesters	Chaff Cutters	Threshers
		Number of Agricultural Machinery Owned Individually per 100 Operating Households														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Below – 1·00	1,31,631	86,155	11	1	11	1	32	–	6	–	–	–	–	–	–
2	1·00 – 1·99	2,24,805	3,35,794	16	4	20	3	60	–	12	–	1	–	–	–	–
3	2·00 – 3·99	2,69,150	7,68,038	34	10	44	8	133	–	34	–	4	1	–	–	–
4	4·00 – 9·99	2,82,930	17,54,367	57	27	84	9	239	–	50	–	13	5	–	–	1
5	10 & More	91,591	13,51,026	81	73	154	21	405	–	88	–	33	11	–	1	3
	(All Classes)	10,00,107	42,95,380	37	17	54	7	154	–	34	–	8	3	–	–	1

Table 26 (Contd.)

Sr. No.	Size Class of Holdings	Pumps Electric	Pumps Diesel	Pumps Others	Pumps Total Col. 16+19+20	Bullock Carts	Cane Crushers	Oil Crusher	Persian wheel or Rahat	Tractors less than 10 H.P.	Tractors 10 to 14 H.P.	Tractors 14 to 19 H.P.	Tractors more than 20 H.P.	Tractors H.P. not known	Tractors Total	Other Machinery
		Number of Agricultural Machinery owned Individually per 100 operating Households														
		18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	3	–	–	3	7	–	–	–	–	–	–	–	–	–	77
2	1·00 – 1·99	2	–	–	3	15	–	–	–	–	–	–	–	–	–	95
3	2·00 – 3·99	8	–	1	9	36	–	–	–	–	–	–	–	–	–	122
4	4·00 – 9·99	12	2	–	14	66	–	–	–	–	–	–	–	–	–	177
5	10 & More	30	10	2	42	109	–	–	–	–	–	–	1	–	1	249
	(All Classes)	9	1	–	11	41	–	–	–	–	–	–	–	–	–	135

REGION–5
(INLAND EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED NUMBER OF AGRICULTURAL MACHINERY OWNED INDIVIDUALLY PER 100 HECTARES OF AREA OPERATED BY HOUSEHOLD AS ON 15TH APRIL 1977

Table–27

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	Number of Agricultural Machinery Owned Individually per 100 hectares of Area Operated by Households: Ploughs Wooden	Ploughs Iron	Ploughs Total Col. 5+6	Earth Leveller or Scrapers	Harrows & Hoes	Hand Tractors Power Tillers	Seed Drills	Maize Shellers	Sprayers	Dusters	Harvesters	Chaff Cutters	Threshers
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Below – 1.00 %	1,31,631	86,155	16	1	17	2	49	–	10	–	–	–	–	–	–
2	1.00 – 1.99 %	2,24,805	3,35,794	11	2	13	2	40	–	8	–	–	–	–	–	1
3	2.00 – 3.99 %	2,69,150	7,68,038	12	4	15	3	46	–	12	–	1	–	–	–	–
4	4.00 – 9.99 %	2,82,930	17,54,367	9	4	14	2	39	–	8	–	2	1	–	–	–
5	10 & More %	91,591	13,51,026	6	5	11	1	28	–	6	–	2	1	–	–	–
	(All classes)	10,00,107	42,95,380	9	4	13	2	37	–	8	–	2	1	–	–	–

Table 27 (Contd.)

Sr. No.	Size Class of Holdings	Pumps: Electric	Diesel	Others	Total Col. 18+19+20	Bullock Carts	Cane Crushers	Oil Crushers	Persian wheel or Rahat	Tractors with H.P.: less than 10	10 to 14	14 to 19	20 & above	H.P. not available	Total	Other Machinery
		18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00 %	5	–	–	5	11	–	–	–	–	–	–	–	–	–	117
2	1.00 – 1.99 %	2	–	–	2	10	–	–	–	–	–	–	–	–	–	62
3	2.00 – 3.99 %	3	–	–	3	12	–	–	–	–	–	–	–	–	–	43
4	4.00 – 9.99 %	2	–	–	2	11	–	–	–	–	–	–	–	–	–	29
5	10 & More %	2	1	–	3	8	–	–	–	–	–	–	–	–	–	17
	(All Classes)	2	–	–	3	10	–	–	–	–	–	–	–	–	–	32

REGION–6
(EASTERN)

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table 1

ESTIMATED AREA CROPPED ONCE AND MORE THAN ONCE IN IRRIGATED AREAS

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Cropped once	Irrigated Area						
					Cropped twice		Cropped more than twice			Net Irrigated (5 to 10)	Gross Irrigated
		Number	Area		One crop Irrigated	Two crops Irrigated	One crop Irrigated	Two crops Irrigated	More than two crops Irrigated		
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,56,616	76,945	18,329	7,895	4,488	–	–	–	30,712	35,200
	%			59·6	25·7	14·6				36·5	114·6
2	1·00 – 1·99	97,361	1,40,570	28,350	6,042	3,545	–	–	–	37,935	41,477
	%			74·7	15·9	9·3				31·0	109·3
3	2·00 – 3·99	93,005	2,61,635	44,678	13,327	3,736	–	–	–	61,739	65,472
	%			72·3	21·5	6·0				28·9	106·0
4	4·00 – 9·99	71,778	4,30,375	63,146	18,891	3,220	–	–	–	85,256	88,475
	%			74·0	22·1	3·7				27·5	103·7
5	10 & More	16,216	2,36,574	23,319	5,723	3,062	–	–	–	32,104	35,166
	%			72·6	17·8	9·5				25·3	109·5
	(All classes)	4,34,976	11,46,098	1,77,822	51,879	18,051	–	–	–	2,47,746	2,65,790
	%			71·7	20·9	7·2				28·9	107·2

Table–1 A

ESTIMATED AREA CROPPED ONCE AND MORE THAN ONCE IN UNIRRIGATED AREAS AND AREA AFFECTED BY WATER LOGGING AND SALINITY

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Unirrigated Area				Number of Holdings and Area affected by					
				Cropped once	Cropped more than once	Net Unirrigated (5+6)	Gross Unirrigated	Water logging				Salinity	
								No. of Holdings	Area affected		Total of (10+11)	No. of Holdings	Area affected
		Number	Area						with drainage	without drainage			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Below –1·00	1,56,616	76,945	49,998	3,422	53,420	64,736	28,275	7,546	10,121	17,666	–	–
	%			93·6	6·4	63·5	121·1	18·8	10·2	13·7	23·9		
2	1·00 – 1·99	97,361	1,40,570	76,680	7,420	84,101	97,558	15,455	8,438	12,421	20,859	–	–
	%			91·1	8·8	68·9	116·0	16·0	6·1	8·9	15·1		
3	2·00 – 3·99	93,005	2,61,635	1,36,256	15,572	1,51,828	1,80,725	10,104	10,138	17,331	27,470	–	–
	%			89·7	10·2	71·0	119·0	11·9	4·1	7·0	11·2		
4	4·00 – 9·99	71,778	4,30,375	2,15,588	8,290	2,23,877	2,51,057	5,310	20,686	8,403	29,089	–	–
	%			96·3	3·7	72·4	112·1	8·6	5·7	2·3	8·0		
5	10 & More	16,216	2,36,574	92,075	2,560	94,636	1,02,918	478	6,317	–	6,317	–	–
	%			97·2	2·7	74·6	108·7	4·3	4·1		4·1		
(All classes)		4,34,976	11,46,098	5,70,597	37,264	6,07,861	6,96,993	59,622	53,125	48,276	1,01,401	–	–
	%			93·8	6·1	71·0	114·6	14·7	5·4	4·9	10·4		

REGION–6
(EASTERN)
Table–1 B

ESTIMATES OF NET & GROSS AREA, AREA WATER LOGGED & AFFECTED BY SALINITY, ALONG WITH STANDARD ERRORS

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	Net Irrigated Area	S.E.	Gross Irrigated Area	S.E.	Net Unirrigated Area	S.E.	Gross Unirrigated Area	S.E.
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,56,616	76,945	30,712	6,799	35,200	7,970	53,420	10,561	64,736	11,708
	%				22·1		22·6		19·7		18·0
2	1·00 – 1·99	97,361	1,40,570	37,935	7,103	41,477	7,640	84,101	12,905	97,558	14,843
	%				18·7		18·4		15·3		15·2
3	2·00 – 3·99	93,005	2,61,635	61,739	12,617	65,472	12,830	1,51,828	21,521	1,80,725	26,475
	%				20·4		19·6		14·1		14·6
4	4·00 – 9·99	71,778	4,30,375	85,256	18,888	88,475	19,225	2,23,877	37,948	2,51,057	39,909
	%				22·1		21·7		16·9		15·9
5	10 & More	16,216	2,36,574	32,104	7,953	35,166	9,381	94,636	22,847	1,02,918	24,643
	%				24·7		26·6		24·1		23·9
	(All classes)	4,34,976	11,46,098	2,47,746	25,998	2,65,790	27,278	6,07,861	51,993	6,96,993	57,082
	%				10·4		10·2		8·5		8·1

ESTIMATED NUMBER AND AREA OF HOLDINGS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES AND PESTICIDES IN IRRIGATED AREAS

Table–2

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	No. of Holdings Growing one or more selected Crops	Gross area under one or more selected Crops	Chemical Fertilizers No. of Holdings benefited	Chemical Fertilizers Area Treated	Organic Manures No. of Holdings benefited	Organic Manures Area Treated	Pesticides No. of Holdings benefited	Pesticides Area Treated
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1.00	1,56,616	76,945	54,399	30,783	20,177	10,536	45,641	23,482	4,707	2,369
	%			36.9	42.6	37.1	34.2	83.9	76.3	8.7	7.7
2	1·00 – 1·99	97,361	1,40,570	40,180	41,689	11,778	13,045	37,483	37,145	1,576	1,393
	%			41·8	30.3	29.3	31·3	93·3	89·1	3·9	3·3
3	2·00 – 3·99	93,005	2,61,635	38,916	60,184	17,698	25,216	34,350	48,953	1,212	3,684
	%			45·8	24·6	45·5	41·9	88·3	81·3	3·1	6·1
4	4·00 – 9·99	71,778	4,30,375	30,696	87,360	17,849	44,655	29,081	80,506	2,281	2,926
	%			49·5	24.1	58·1	51.1	94·7	92·2	7·4	3·3
5	10 & More	16,216	2,36,574	6,373	33,666	4,439	17,343	5,981	29,853	1,898	4,671
	%			57·7	22·1	69.7	51.5	93·8	88·7	29·8	13·9
	(All classes)	4,34,976	11,46,098	1,70,564	2,53,683	71,941	1,10,794	1,52,536	2,19,939	11,674	15,044
	%			42·5	26·2	42·2	43·7	89·4	86·7	6·8	5·9

REGION–6
Table–2 A

ESTIMATED STANDARD ERRORS OF THE ESTIMATES OF HOLDINGS AND AREA GROWING ONE OR MORE CROPS AND HOLDINGS AND AREAS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES AND PESTICIDES

Area in hectares

Sr. No.	Size Class of Holdings	No. of holdings growing one or more selected Crops & Gross irrigated area.		Chemical Fertilizers		Organic Manure		Pesticide	
		No. of Holdings S.E.	Area S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.
1	2	3	4	5	6	7	8	9	10
1	Below – 1·00	12,892	7,459	9,512	4,992	10,791	5,750	2,956	1,499
	%	23·7	24·2	47·1	47·4	23·6	24·5	62·8	63·3
2	1·00 – 1·99	8,006	8,966	3,898	4,422	7,857	8,763	903	887
	%	19·9	21·5	33·1	33·9	21·0	23·6	57·3	63·7
3	2·00 – 3·99	5,776	11,111	3,233	5,590	5,970	9,865	783	2,523
	%	14·8	18·5	18·3	22·2	17·4	20·2	64·6	68·5
4	4·00 – 9·99	5,578	19,719	4,607	13,378	5,601	18,555	1,187	1,487
	%	18·2	22·6	25·8	30·0	19·3	23·0	52·0	50·8
5	10 & More	1,646	9,123	1,641	6,027	1,643	9,120	1,475	4,152
	%	25·8	27·1	37·0	34·8	27·5	30·5	77·7	88·9
	(All classes)	17,248	27,047	11,834	17,060	15,745	25,192	3,708	5,371
	%	10·1	10·7	16·4	15·4	10·3	11·5	31·8	35·7

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table 3 — *ESTIMATED IRRIGATED AREA UNDER PADDY COVERED BY DIFFERENT INPUTS* — Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,56,616	76,945	54,399	5,105	24,307	29,411
	%			36.9	17.4	82.6	40.7
2	1.00 – 1.99	97,361	1,40,570	40,096	2,957	37,091	40,048
	%			41.7	7.4	92.6	29.1
3	2.00 – 3.99	93,005	2,61,635	37,756	4,230	52,744	56,974
	%			44.5	7.4	92.6	23.3
4	4.00 – 9.99	71,778	4,30,375	30,244	11,282	73,335	84,617
	%			48.8	13.3	86.7	23.3
5	10 & More	16,216	2,36,574	6,165	6,254	26,138	32,391
	%			55.8	19.3	80.7	21.2
(All classes)		4,34,976	11,46,098	1,68,660	29,828	2,13,614	2,43,442
	%			42.0	12.3	87.7	25.1

Table 3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	659	52	300	352	33	94	–	–	–	–	–	–
	%	1.2	1.0	1.2	1.2								
2	1.00 – 1.99	–	–	–	–	–	–	1,502	710	459	1,169	101	86
	%							3.7	24.0	1.2	2.9		
3	2.00 – 3.99	428	–	878	878	21	24	–	–	–	–	–	–
	%	1.1		1.7	1.5								
4	4.00 – 9.99	1,385	1,893	1,770	3,663	166	45	1,579	2,669	5,247	7,916	293	37
	%	4.6	16.8	2.4	4.3			5.2	23.7	7.2	9.4		
5	10 & More	322	322	–	322	27	84	134	255	–	255	24	94
	%	5.2	5.1		1.0			2.2	4.1		.8		
(All classes)		2,794	2,267	2,947	5,214	247	47	3,215	3,635	5,706	9,341	418	45
	%	1.7	7.6	1.4	2.1			1.9	12.2	2.7	3.8		–

Table–3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	12,323	3,440	3,206	6,646	885	133	17,047	3,344	5,271	8,615	1,506	175
	%	22·7	67·4	13,2	22·6			31·3	65·5	21·7	29·3		
2	1·00 – 1·99	8,559	2,671	5,628	8,299	546	66	10,035	2,390	7,843	10,233	931	91
	%	21·3	90·3	15·2	20·7			25·0	80·8	21·1	25·6		
3	2·00 – 3·99	10,511	2,370	14,512	16,882	1,072	63	12,867	3,484	12,333	15,817	1,668	105
	%	27·8	56·0	27·5	29·6			34·1	82·4	23·4	27·8		
4	4·00 – 9·99	13,079	8,953	18,409	27,361	1,517	55	14,671	8,028	24,190	32,218	2,461	76
	%	43·2	79·4	25·1	32·3			48·5	71·2	33·0	38·1		
5	10 & More	3,654	5,467	7,100	12,566	975	78	4,004	4,646	9,347	13,992	1,340	96
	%	59·3	87·4	27·2	38·8			64·9	74,3	35·8	43.2		
	(All classes)	48,126	22,901	48,854	71,755	4,995	70	58,624	21,891	58,984	80,875	7,906	98
	%	28·5	76·8	22·9	29·5			34·8	73·4	27·6	33·2		

Table–3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	42,813	1,190	20,161	21,351	1,631	76	2,828	803	489	1,292	72	56
	%	78·7	23·3	82·9	72·6			5·2	15·7	2.0	4·4		
2	1·00 – 1·99	30,654	1,720	27,929	29,649	1,600	54	7,750	–	7,433	7,433	77	10
	%	76·5	58·2	75·3	74·0			19·3		20·0	18·6		
3	2·00 – 3·99	33,612	2,710	44,367	47,077	2,208	47	1,724	108	4,779	4,887	837	171
	%	89·0	64·1	84.1	82,6			4·6	2·5	9·1	8·6		
4	4·00 – 9·99	26,029	8,315	54,332	62,646	2,384	38	7,968	2,113	17,092	19,205	348	18
	%	86·1	73·7	74·1	74·0			26·3	18·7	23·3	22·7		
5	10 & More	5,487	4,896	19,120	24,016	643	27	1,154	117	5,196	5,314	60	11
	%	89·0	78·3	73·2	74·1			18·7	1·9	19·9	16·4		
	(All classes)	1,38,595	18,831	1,65,908	1,84,739	8,466	46	21,424	3,141	34,989	38,130	1,394	37
	%	82·2	63·1	77·7	75·9			12·7	10·5	16·4	15·7		

REGION–6

Table–3 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt./ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	2,676	1,231	–	1,231	13	11	3,369	1,789	152	1,941	4	2
	%	4.9	24.1		4.2			6.2	35.1	.6	6.6		
2	1.00 – 1.99	262	298	–	298	3	10	1,576	1,152	–	1,152	1	1
	%	.7	10.1		.7			3.9	39.0		2.9		
3	2.00 – 3.99	428	1,388	–	1,388	47	34	1,212	1,486	1,907	3,393	2	1
	%	1.1	32.8		2.4			3.2	35.1	3.6	6.0		
4	4.00 – 9.99	1,472	660	753	1,413	34	24	2,281	1,627	765	2,392	30	13
	%	4.9	5.8	1.0	1.7			7.5	14.4	1.0	2.8		
5	10 & More	1,466	2,294	1,880	4,174	24	6	1,710	2,285	1,880	4,165	2	–
	%	23.8	36.7	7.2	12.9			27.7	36.5	7.2	12.9		
	(All classes)	6,304	5,870	2,633	8,504	121	14	10,148	8,340	4,704	13,043	39	3
	%	3.7	19.7	1.2	3.5			6.0	28.0	2.2	5.4		

NOTE :-

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

4) Bajri & Kharif Jowar are not grown in this region hence table Nos. 4 & 5 are not presented.

REGION–6
(EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 6 *ESTIMATED IRRIGATED AREA UNDER COTTON COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1·00	1,56,616	76,945	–	–	–	–
	%						
2	1·00 – 1·99	97,361	1,44,570	–	–	–	–
	%						
3	2·00 – 3·99	93,005	2,61,635	–	–	–	–
	%						
4	4·00 – 9·99	71,778	4,30,375	–	–	–	–
	%						
5	10 & More	16,216	2,36,574	188	169	–	169
				1·7	100·0		·1
(All classes)		4,34,976	11,46,098	188	169	–	169
	%				100·0		

Table 6 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
(All classes)		–	–	–	–	–	–	–	–	–	–	–	–
	%												

REGION–6

Table 6 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	188	169	–	169	14	83	188	169	–	169	14	83
	%	100·0	100·0		100·0			100·0	100·0		100·0		
(All classes)		188	169	–	169	14	83	188	169	–	169	14	83
	%	100·0	100·0		100·0			100·0	100·0		100·0		

Table 6 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	188	169	–	169	14	83	–	–	–	–	–	–
	%	100·0	100·0		100·0								
(All classes)		188	169	–	169	14	83	–	–	–	–	–	–
	%	100·0	100·0		100·0								

REGION–6

Table 6 (Contd,)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1·00 %	–	–	–	–	–	–	–	–	–	–	–	–
2	1·00 – 1·99 %	–	–	–	–	–	–	–	–	–	–	–	–
3	3·00 – 3·99 %	–	–	–	–	–	–	–	–	–	–	–	–
4	4·00 – 9·99 %	–	–	–	–	–	–	–	–	–	–	–	–
5	10 & More	188	169	–	169	4	24	188	169	–	169	–	–
	%	100·0	100·0		100·0			100·0	100·0		100·0		
	(All classes)	188	169	–	169	4	24	188	169	–	169	–	–
	%	100·0	100·0		100·0			100,0	100·0		100·0		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H· Y· V· & other variety is with respect to total area under the crop·

3) Percentage of treated area under H· Y· V., other variety & total area treated with different input is with respect to respective area under the crop·

4) Rabi Jowar is not grown in this region hence table No. 7 is not presented·

REGION 6
(EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–8 *ESTIMATED IRRIGATED AREA UNDER WHEAT COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Irrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below– 1.00	1,56,616	76,945	4,646	215	1,156	1,371
	%			3·2	15·7	84·3	1·9
2	1·00 – 1·99	97,361	1,40,570	5,392	92	1,551	1,643
	%			5·6	5·6	94·4	1·2
3	2·00 – 3·99	93,005	2,61,635	7,764	1,285	1,926	3,211
	%			9·1	40·0	60·0	1·3
4	4·00 – 9·99	71,778	4,30,375	5,685	1,535	1,208	2,743
	%			9·2	56·0	44·0	·8
5	10 & More	16,216	2,36,574	1,206	386	720	1,106
	%			10·9	34·9	65·1	·7
	(All classes)	4,34,976	11,46,098	24,693	3,513	6,561	10,074
	%			6·1	34·9	65·1	1·0

Table–8 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	307	39	–	39	6	155	698	558	–	558	35	63
	%	5·4	2·5		1·4			12·3	36·4		20·3		
5	10 & More	134	115	–	115	15	131	–	–	–	–	–	–
	%	11·1	29·8		10·4								
	(All classes)	441	154	–	154	21	137	698	558	–	558	35	63
	%	1·8	4·4		1·3			2·8	15·9		5·5		

REGION–6

Table 8 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (22+23)	Quantity Applied Total M.T.	Quantity Applied Kg/ha 25/24	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (28+29)	Quantity Applied Total M.T.	Quantity Applied Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	262	92	–	92	7	76	1,610	92	335	427	49	115
	%	4·9	100·0		5·6			29·9	100·0	21·6	26·0		
3	2·00 – 3·99	721	–	219	219	15	69	1,149	705	–	705	86	122
	%	9·3		11·4	6·8			14·8	54·8		21·9		
4	4·00 – 9·99	2,212	558	566	1,124	70	62	2,283	365	492	857	75	87
	%	38·9	36·4	46·8	41·0			40·2	23·8	40.7	31·3		
5	10 & More	322	171	–	171	22	128	255	134	71	205	10	49
	%	26·7	44·4		15·5			21·1	34·9	9·8	18·5		
	(All classes)	3,517	821	785	1,606	114	71	5,297	1,296	898	2,194	220	100
	%	14·2	23·4	12·0	15·9			21·5	36·9	13·7	21·8		

Table 8 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (34+35)	Quantity Applied Total 00 M.T.	Quantity Applied qt/ha 37/36	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (40+41)	Quantity Applied Total 00M.T.	Quantity Applied qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1.00	2,584	–	840	840	84	100	–	–	–	–	–	–
	%	55.6		72·6	61·3								
2	1·00 – 1·99	1,035	92	294	385	46	119	–	–	–	–	–	–
	%	19·2	100·0	18·9	23·5								
3	2·00 – 3·99	891	24	517	541	17	31	–	–	–	–	–	–
	%	11·5	1·9	26·8	16·9								
4	4·00 – 9·99	993	370	204	575	11	19	–	–	–	–	–	–
	%	17·5	24·1	16·9	21·0								
5	10 & More	598	–	354	354	12	34	–	–	–	–	–	–
	%	49·6		49·2	32·0								
	(All classes)	6,101	486	2,209	2,695	170	63	–	–	–	–	–	–
	%	24·7	13·8	33·7	26·8								

REGION-6

Table 8 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Total M.T.	Kg/ha 55/54
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	262	92	–	92	5	55	–	–	–	–	–	–
	%	4.9	100.0		5.6								
3	2.00 – 3.99	–	–	–	–	–	–	428	291	–	291	1	3
	%							15.5	22.7		9.1		
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
	(All Classes)	262	92	–	92	5	55	428	291	–	291	1	3
		1.1	2.6		.9			1.7	8.3		2.9		

NOTE –

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respective area under the crop.

REGION– 6
(EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–9

ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT CHEMICAL FERTILIZERS IN IRRIGATED AREA

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Irrigated Area under selected Crops	Ammonium Sulphate				Super Phosphate			
		Number	Area			No. of Holdings	S.E.	Area	S.E.	No. of Holdings	S.E. % S.E.	Area	S.E.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Below –1·00	1,56,616	76,945	54,399	30,783	659	462	352	252	–	–	–	–
	%			36·9	42·6	1·2	70·1	1·1	71·7				
2	1·00 – 1·99	97,361	1,40,570	40,180	41,689	–	–	–	–	1,502	1,011	1,169	788
	%			41·8	30·3					3·7	67·3	2·8	67·4
3	2·00 – 3·99	93,005	2,61,635	38,916	60,184	428	425	878	871	–	–	–	–
	%			45·8	24·6	1·1	99·3	1·5	99·2				
4	4·00 – 9·99	71,778	4,30,375	30,696	87,360	1,385	792	3,701	3,263	1,579	1,396	8,474	7,545
	%			49·5	24·1	4·5	57·2	4·2	88·2	5·1	88·4	9·7	89·0
5	10 & More	16,216	2,36,574	6,373	33,666	322	230	437	382	134	133	255	253
	%			57·7	22·1	5·1	71·4	1·3	87·4	2·1	99·3	·8	99·3
	(All Classes)	4,34,976	11,46,098	1,70,564	2,53,683	2,794	1,037	5,368	3,408	3,215	1,729	9,899	7,590
				42·5	26·2	1·6	37·1	2·1	63·5	1·9	53·8	3·9	76·7

Table–9 (Contd·)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Irrigated Area under selected Crops	Chemical Fertilizers							
						Urea				Other Chemical Fertilizers			
		Number	Area			No. of Holdings	S.E.	Area	S.E.	No. of Holdings	S.E.	Area	S.E.
1	2	3	4	5	6	15	16	17	18	19	20	21	22
1	Below– 1·00	1,56,616	76,945	54,399	30,783	12,323	6,525	6,646	3,474	17,047	8,943	8,615	4,521
	%			36·9	42·6	22·7	52·9	21·6	52·3	31·3	52·5	28·0	52·5
2	1·00 – 1·99	97,361	1,40,570	40,180	41,689	8,559	3,635	8,390	3,593	10,035	3,836	10,659	4,010
	%			41·8	30·3	21·3	42·5	20·1	42·8	25·0	38·2	25·6	37·6
3	2·00 – 3·99	93,005	2,61,635	38,916	60,184	10,714	2,938	17,101	4,645	13,069	2,701	16,522	3,681
	%			45·8	24·6	27·5	27·4	28·4	27·2	33·6	20·7	27·5	22·3
4	4·00 – 9·99	71,778	4,30,375	30,696	87,360	13,079	4,517	28,485	10,497	14,671	3,967	33,073	8,433
	%			49·5	24·1	42·6	34·5	32·6	36·9	47·8	27·0	37·9	25·5
5	10 & More	16,216	2,36,574	6,373	33,666	3,842	1,651	12,906	5,271	4,192	1,644	14,367	5,351
	%			57·7	22·1	60·3	43·0	38·3	40·8	65·8	39·2	42·7	37·2
	(All classes)	4,34,976	11,46,098	1,70,564	2,53,683	48,517	9,357	73,528	13,584	59,014	10,974	83,238	12,240
				42·5	26·2	28·4	19·3	29·0	18·5	34·6	18·6	32·8	14·7

REGION–6
(EASTERN)
Table–9 A

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT ORGANIC MANURES AND PESTICIDES IN IRRIGATED AREAS

(Area in hectares)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Irrigated Area under selected Crops	No. of Holdings and Area benefitted by Organic Manures				Pesticides	
						Organic Manures				Pesticides	
						Farm yard Manure		Compost			
		Number	Area			No. of Holdings	Area	No. of Holdings	Area	No. of Holdings	Area
1	2	3	4	5	6	23	24	25	26	27	28
1	Below– 1·00	1,56,616	76,945	54,399	30,783	42,813	22,191	2,828	1,292	4,707	2,369
	%			36·9	42·6	78·7	72·1	5·2	4·2	8·7	7·7
2	1·00 – 1·99	97,361	1,40,570	40,180	41,689	30,654	30,034	7,750	7,433	1,576	1,393
	%			41·8	30·3	76·3	72·0	19·3	17·8	3·9	3·3
3	2·00 – 3·99	93,005	2,61,635	38,916	60,184	33,814	47,618	1,724	4,887	1,212	3,684
	%			45·8	24·6	86·9	79·1	4·4	8·1	3·1	6·1
4	4·00 – 9·99	71,778	4,30,375	30,696	87,360	26,029	63,222	7,968	19,205	2,281	2,926
	%			49·5	24·1	84·8	72·4	26·0	22·0	7·4	3·3
5	10 & More	16,216	2,36,574	6,373	33,666	5,694	24,539	1,154	5,314	1,898	4,671
	%			57·7	22·1	89·3	72·9	18·1	15·8	29·8	13·9
	(All classes)	4,34,976	11,46,098	1,70,564	2,53,683	1,39,004	1,87,604	21,424	38,130	11,674	15,044
	%			42·5	26·2	81·5	74·0	12·6	15·0	6·8	5·9

REGION–6
(EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–10 *ESTIMATED NUMBER AND AREA OF HOLDINGS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES AND PESTICIDES IN UNIRRIGATED AREAS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Gross area under selected Crops	Chemical Fertilizers		Organic Manures		Pesticides	
		Number	Area			No. of Holdings benefited	Area Treated	No. of Holdings benefited	Area Treated	No. of Holdings benefited	Area Treated
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,56,616	76,945	1,07,178	52,622	13,355	6,241	78,724	36,125	1,529	107
	%			71·4	71·4	12·5	11·9	73·5	68,7	1·4	·2
2	1·00 – 1·99	97,361	1,40,570	77,110	76,069	8,185	8,411	50,362	49,801	–	–
	%			80·1	55·3	10·6	11,1	65·3	65·5		
3	2·00 – 3·99	93,005	2,61,635	71,493	1,35,537	16,373	26,171	53,643	84,995	2,008	2,382
	%			84·2	55·3	22·9	19·3	75·0	62·7	2,8	1·8
4	4·00 – 9·99	71,778	4,30,375	56,710	1,94,664	10,928	22,863	40,147	85,497	1,127	826
	%			91·4	53·7	19·3	11·7	70,8	43·9	2·0	·4
5	10 & More	16,216	2,36,574	10,451	80,339	5,290	15,411	8,681	30,816	1,544	1,658
	%			94,1	52·5	50·6	19·2	93·1	38·4	14·8	2·1
(All classes)		4,34,976	11,46,098	3,22,942	5,39,231	54,131	79,096	2,31,557	2,87,234	6,208	4,973
	%			79·9	55·5	16·8	14·7	71·7	53·3	1·9	·9

Table 10 'A'

Area in hectares

Sr. No.	Size Class of Holdings	No. of holdings growing one or more selected Crops & Gross unirrigated area		Chemical Fertilizers		Organic Manure		Pesticide	
		No. S.E.	Area S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.
1	2	3	4	5	6	7	8	9	10
1	Below – 1·00	18,605	10,358	4,898	2,938	17,591	9,647	1,521	106
	%	17·4	19·7	36·7	47·1	22·3	26·7	99·5	99·3
2	1·00 – 1·99	11,145	12,640	3,196	4,173	10,048	11,323	–	–
	%	14·5	16·6	39·0	49·6	20·0	22·7		
3	2·00 – 3·99	8,731	23,698	4,290	8,765	9,411	18,749	1,423	2,182
	%	12·2	17·5	26·2	33·5	17·5	22·1	70·9	91·6
4	4·00 – 9·99	7,520	37,954	4,789	12,399	6,655	16,979	624	532
	%	13·3	19·5	43·8	54·2	16·6	19·9	55·4	64,4
5	10 & More	1,939	23,285	1,894	6,052	1,739	8,878	866	1,103
	%	18·6	29·0	35·8	39·3	20,0	28·8	56·1	66·6
(All Classes)		24,635	53,022	8,895	17,124	23,373	30,657	2,341	2,505
			2·0	16·1	21·6	10·1	10·7	37·7	50·4

REGION–6
(EASTERN)

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table 11 *ESTIMATED UNIRRIGATED AREA UNDER PADDY COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,56,616	76,945	97,037	581	44,377	44,959
	%			64.6	1.3	98.7	61.0
2	1.00 – 1.99	97,361	1,40,570	65,501	1,116	60,608	61,725
	%			68.1	1.8	98.2	44.8
3	2.00 – 3.99	93,005	2,61,635	58,485	1,116	86,408	87,524
	%			68.9	1.3	98.7	35.7
4	4.00 – 9.99	71,778	4,30,375	40,957	2,198	79,753	81,950
	%			66.0	2.7	97.3	22.6
5	10 & More	16,216	2,36,574	7,477	581	29,438	30,019
	%			67.3	1.9	98.1	19.6
	(All classes)	4,34,976	11,46,098	2,69,457	5,592	3,00,584	3,06,176
	%			66.6	1.8	98.2	31.5

Table 11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	743	–	487	487	38	78
	%							.8		1.1	1.1		
2	1.00 – 1.99	107	63	63	1	16		1,092	836	433	1,269	186	147
	%	.2	.1	.1				1.7	74.9	1.0	2.1		
3	2.00 – 3.99	324	–	293	293	34	116	2,023	–	2,366	2,366	111	47
	%	.6		.3	.3			3.5		2.7	2.7		
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	739	–	3,934	3,934	198	50
	%							9.9		13.4	13.1		
	(All classes)	431	–	356	356	35	98	4,597	836	7,220	8,056	533	66
	%	.2		.1	.1			1.7	15.0	2.4	2.6		

REGION–6
(EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–10 *ESTIMATED NUMBER AND AREA OF HOLDINGS COVERED BY CHEMICAL FERTILIZERS, ORGANIC MANURES AND PESTICIDES IN UNIRRIGATED AREAS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Gross area under selected Crops	Chemical Fertilizers		Organic Manures		Pesticides	
		Number	Area			No. of Holdings benefited	Area Treated	No. of Holdings benefited	Area Treated	No. of Holdings benefited	Area Treated
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,56,616	76,945	1,07,178	52,622	13,355	6,241	78,724	36,125	1,529	107
	%			71·4	71·4	12·5	11·9	73·5	68,7	1·4	·2
2	1·00 – 1·99	97,361	1,40,570	77,110	76,069	8,185	8,411	50,362	49,801	–	–
	%			80·1	55·3	10·6	11,1	65·3	65·5		
3	2·00 – 3·99	93,005	2,61,635	71,493	1,35,537	16,373	26,171	53,643	84,995	2,008	2,382
	%			84·2	55·3	22·9	19·3	75·0	62·7	2,8	1·8
4	4·00 – 9·99	71,778	4,30,375	56,710	1,94,664	10,928	22,863	40,147	85,497	1,127	826
	%			91·4	53·7	19·3	11·7	70,8	43·9	2·0	·4
5	10 & More	16,216	2,36,574	10,451	80,339	5,290	15,411	8,681	30,816	1,544	1,658
	%			94,1	52·5	50·6	19·2	93·1	38·4	14·8	2·1
(All classes)		4,34,976	11,46,098	3,22,942	5,39,231	54,131	79,096	2,31,557	2,87,234	6,208	4,973
	%			79·9	55·5	16·8	14·7	71·7	53·3	1·9	·9

Table 10 'A'

Area in hectares

Sr. No.	Size Class of Holdings	No. of holdings growing one or more selected Crops & Gross unirrigated area		Chemical Fertilizers		Organic Manure		Pesticide	
		No. S.E.	Area S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.	No. of Holdings S.E.	Area Treated S.E.
1	2	3	4	5	6	7	8	9	10
1	Below – 1·00	18,605	10,358	4,898	2,938	17,591	9,647	1,521	106
	%	17·4	19·7	36·7	47·1	22·3	26·7	99·5	99·3
2	1·00 – 1·99	11,145	12,640	3,196	4,173	10,048	11,323	–	–
	%	14·5	16·6	39·0	49·6	20·0	22·7		
3	2·00 – 3·99	8,731	23,698	4,290	8,765	9,411	18,749	1,423	2,182
	%	12·2	17·5	26·2	33·5	17·5	22·1	70·9	91·6
4	4·00 – 9·99	7,520	37,954	4,789	12,399	6,655	16,979	624	532
	%	13·3	19·5	43·8	54·2	16·6	19·9	55·4	64,4
5	10 & More	1,939	23,285	1,894	6,052	1,739	8,878	866	1,103
	%	18·6	29·0	35·8	39·3	20,0	28·8	56·1	66·6
(All Classes)		24,635	53,022	8,895	17,124	23,373	30,657	2,341	2,505
	%	7·6	9·8	16·4	21·6	10·1	10·7	37·7	50·4

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

Table 11 *ESTIMATED UNIRRIGATED AREA UNDER PADDY COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1·00	1,56,616	76,945	97,037	581	44,377	44,959
	%			64·6	1·3	98·7	61·0
2	1·00 – 1·99	97,361	1,40,570	65,501	1,116	60,608	61,725
	%			68·1	1·8	98·2	44·8
3	2·00 – 3·99	93,005	2,61,635	58,485	1,116	86,408	87,524
	%			68·9	1·3	98·7	35·7
4	4·00 – 9·99	71,778	4,30,375	40,957	2,198	79,753	81,950
	%			66·0	2·7	97·3	22·6
5	10 & More	16,216	2,36,574	7,477	581	29,438	30,019
	%			67·3	1·9	98·1	19·6
	(All classes)	4,34,976	11,46,098	2,69,457	5,592	3,00,584	3,06,176
	%			66·6	1·8	98·2	31·5

Table 11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (10+11)	Quantity Applied Total M.T.	Quantity Applied Kg/ha 13/12	No. of Holdings treated (% w.r.t. col. 5)	Area treated H.Y.V.	Area treated Others	Area treated Total (16+17)	Quantity Applied Total M.T.	Quantity Applied Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	–	–	–	–	–	–	743	–	487	487	38	78
	%							·8		1·1	1·1		
2	1·00 – 1·99	107	–	63	63	1	16	1,092	836	433	1,269	186	147
	%	·2		·1	·1			1·7	74·9	·7	2·1		
3	2·00 – 3·99	324	–	293	293	34	116	2,023	–	2,366	2,366	111	47
	%	·6		·3	·3			3·5		2·7	2·7		
4	4·00 – 9·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	739	–	3,934	3,934	198	50
	%							9·9		13·4	13·1		
	(All classes)	431	–	356	356	35	98	4,597	836	7,220	8,056	533	66
	%	·2		·1	·1			1·7	15·0	2·4	2·6		

REGION–6

Table–11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00	6,134	344	2,273	2,618	213	81	7,788	237	3,530	3,767	327	87
	%	6.3	59.2	5.1	5.8			8.0	40.8	8.0	8.4		
2	1.00 – 1.99	5,479	836	5,176	6,013	548	91	5,737	280	5,179	5,459	528	97
	%	8.4	74.9	8.5	9.7			8.8	25.1	8.5	8.8		
3	2.00 – 3.99	9,213	294	13,245	13,539	655	48	13,350	744	21,796	22,540	1,734	77
	%	15.8	26.3	15.3	15.5			22.8	66.6	25.2	25.8		
4	4.00 – 9.99	7,538	–	14,155	14,155	618	44	9,572	1,558	17,504	19,062	1,216	64
	%	18.4		17.7	17.3			23.4	70.9	21.9	23.3		
5	10 & More	2,417	372	6,394	6,766	350	52	3,103	370	8,527	8,897	555	62
	%	32.3	64.1	21.7	22.5			41.5	63.8	29.0	29.6		
	(All classes)	30,781	1,847	41,244	43,091	2,384	55	39,550	3,189	56,536	59,725	4,360	73
	%	11.4	33.0	13.7	14.1			14.7	57.0	18.8	19.5		

Table–11 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Campost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1.00	61,564	474	25,985	26,459	1,694	64	16,568	–	9,452	9,452	99	10
	%	63.4	81.6	58.6	58.9			17.1		21.3	21.0		
2	1.00 – 1.99	36,456	799	33,132	33,930	1,361	40	11,080	–	12,814	12,814	162	13
	%	55.7	71.6	54.7	55.0			16.9		21.1	20.8		
3	2.00 – 3.99	41,927	899	51,699	52,597	1,923	37	11,093	–	23,450	23,450	283	12
	%	71.7	80.5	59.8	60.1			19.0		27.1	26.8		
4	4.00 – 9.99	32,633	2,198	58,490	60,688	1,580	26	1,353	–	5,709	5,709	201	35
	%	79.7	100.0	73.3	74.1			3.3		7.2	7.0		
5	10 & More	6,673	581	22,960	23,541	457	19	115	–	1,191	1,191	10	8
	%	89.2	100.0	78.0	78.4			1.5		4.0	4.0		
	(All Classes)	1,79,253	4,950	1,92,266	1,97,216	7,015	36	40,209	–	52,616	52,616	755	14
	%	66.5	88.5	64.0	64.4			14.9		17.5	17.2		

REGION–6

Table–11 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying						
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha	
		45	46	47	48	49	50	51	52	53	54	55	56	
1	Below – 1.00	1,529	107	–	107	15	140	1,529	107	–	107	2	19	
	%	1.6	18.4		.2			1.6	18.4		.2			
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–	
	%													
3	2.00 – 3.99	1,132	–	1,087	1,087	7	6	2,008	197	2,185	2,382	2	1	
	%	1.9		1.3	1.2			3.4	17.6	2.5	2.7			
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–	
	%													
5	10 & More	452	204		204	2	10	400	202	–	202	–	–	
	%	6.0	35.1		.7			5.3	34.7		.7			
	(All classes)	3,113	311	1,087	1,398	24	17	3,937	506	2,185	2,690	4	1	
	%	1.2	5.6	.4	.5			1.5	9.0	.7	.9			

NOTE :-

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

REGION-6
(EASTERN)
Table-12

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED UNIRRIGATED AREA UNDER BAJRI COVERED BY DIFFERENT INPUTS

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,56,616	76,945	–	–	–	–
	%						
2	1.00 – 1.99	97,361	1,40,570	–	–	–	–
	%						
3	2.00 – 3.99	93,005	2,61,635	–	–	–	–
	%						
4	4.00 – 9.99	71,778	4,30,375	332	122	–	122
	%			·5	100·0		
5	10 & More	16,216	2,36,574	282	395	–	395
	%			2·5	100·0		·3
	(All classes)	4,34 976	11,46,098	61 4	516	–	516
	%			·2	100·0		·1

Table 12 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
	(All classes)	–	–	–	–	–	–	–	–	–	–	–	–
	%												

REGION–6

Table–12 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
	(All classes)	–	–	–	–	–	–	–	–	–	–	–	–
	%												

Table–12 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	332	122	–	122	15	123	–	–	–	–	–	–
	%	100.0	100.0		100.0								
5	10 & More	188	338	–	338	7	21	–	–	–	–	–	–
	%	66.7	85.7		85.7								
	(All classes)	520	460	–	460	22	48	–	–	–	–	–	–
	%	84.7	89.1		89.1								

REGION–6

Table–12 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below– 1·00 %	–	–	–	–	–	–	–	–	–	–	–	–
2	1·00 – 1·99 %	–	–	–	–	–	–	–	–	–	–	–	–
3	2·00 – 3·99 %	–	–	–	–	–	–	–	–	–	–	–	–
4	4·00 – 9·99 %	–	–	–	–	–	–	–	–	–	–	–	–
5	10 & More %	–	–	–	–	–	–	–	–	–	–	–	–
	(All classes) %	–	–	–	–	–	–	–	–	–	–	–	–

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H· Y· V· & other variety is with respect to total area under the crop·

3) Percentage of treated area under H· Y· V., other variety & total area treated with different input is with respect to respective area under the crop·

Table 13 *ESTIMATED UNIRRIGATED AREA UNDER KHARIF JOWAR COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,56,616	76,945	4,344	–	498	498
	%			2·9		100·0	·7
2	1.00 – 1.99	97,361	1,40,570	321	193	130	323
	%			·3	59·6	40·4	·2
3	2.00 – 3.99	93,005	2,61,635	4,322	611	3,123	3,734
	%			5·1	16·4	83·6	1·5
4	4.00 – 9.99	71,778	4,30,375	3,643	1,509	4,530	6,039
	%			5·9	25·0	75·0	1·7
5	10 & More	16,216	2,36,574	1,186	846	1,758	2,604
	%			10·7	32·5	67·5	1·7
	(All classes)	4,34,976	11,46,098	13,816	3,159	10,039	13,198
	%			3·4	23·9	76·1	1·4

Table 13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	188	282	–	282	7	25	–	–	–	–	–	–
	%	15·9	33·3		10·8								
	(All classes)	188	282	–	282	7	25	–	–	–	–	–	–
	%	1·4	8·9		2·1								

REGION–6

Table–13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below– 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	332	486	–	486	91	187	–	–	–	–	–	–
	%	9·1	32·2		8·1								
5	10 & More	282	423	–	423	14	33	564	846	–	846	42	50
	%	23·8	50·0		16·2			47·6	100·0		32·5		
	(All classes)	614	909	–	909	105	115	564	846	–	846	42	50
	%	4·4	28·8		6·9			4·1	26·8		6·4		

Table 13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	99	–	12	12	1	84	–	–	–	–	–	–
	%	2·3		2·4	2·4								
2	1·00 – 1·99	107	–	130	130	4	31	–	–	–	–	–	–
	%	33·3		100·0	40·4								
3	2·00 – 3·99	1,515	184	1,317	1,501	61	41	–	–	–	–	–	–
	%	35·1	30·0	42·2	40·2								
4	4·00 – 9·99	1,339	667	981	1,648	42	25	–	–	–	–	–	–
	%	36·8	44·2	21·6	27·3								
5	10 & More	781	705	747	1,452	43	30	–	–	–	–	–	–
	%	65·9	83·3	42·5	55·7								
	(All classes)	3,841	1,556	3,187	4,743	151	32	–	–	–	–	–	–
	%	27·8	49·3	31·7	35·9								

REGION–6

Table 13 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	809	667	–	667	30	45	–	–	–	–	–	–
	%	22.9	44.2		11.1								
5	10 & More	188	282	–	282	7	25	188	141	–	141	–	–
	%	15.9	33.3		10.8			15.9	16.7		5.4		
	(All classes)	997	949	–	949	37	39	188	141	–	141	–	–
	%	7.2	30.1		7.2			1.4	4.5		1.1		

NOTE –

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

REGION–6
(EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 14

ESTIMATED UNIRRIGATED AREA UNDER COTTON COVERED BY DIFFERENT INPUTS

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1·00	1,56,616	76,945	–	–	–	–
	%						
2	1.00 – 1.99	97,361	1,40,570	–	–	–	–
	%						
3	2.00 – 3.99	93,005	2,61,635	–	–	–	–
	%						
4	4.00 – 9.99	71,778	4,30,375	–	–	–	–
	%						
5	10 & More	16,216	2,36,574	956	1,064	–	1,064
	%			8·6	100·0		·7
	(All classes)	4,34,976	11,46,098	956	1,064	–	1,064
	%			·2	100·0		·1

Table 14 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10 + 11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16 + 17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	674	500	–	500	34	68	–	–	–	–	–	–
	%	70·5	47·0		47·0								
	(All classes)	674	500	–	500	34	68	–	–	–	–	–	–
	%	70·5	47·0		47·0								

REGION-6

Table 14 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below- 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	622	467	–	467	31	66	188	282	–	282	14	50
	%	65.1	43.9		43.9			19.7	26.5		26.5		
	(All classes)	622	467	–	467	31	66	188	282	–	282	14	50
	%	65.1	43.9		43.9			19.7	26.5		26.5		

Table 14 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Be ow –1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	956	1,064	–	1,064	32	30	–	–	–	–	–	–
	%	100.0	100.0		100.0								
	(All classes)	956	1,064	–	1,064	32	30	–	–	–	–	–	–
	%	100.0	100.0		100.0								

REGION–6

Table–14 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46 + 47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52 + 53)	Kilo. Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	188	282	–	282	7	25	904	1,031	–	1,031	5	5
	%	19.7	26.5		26.5			94.6	96.9		96.9		
	(All classes)	188	282	–	282	7	25	904	1,031	–	1,031	5	5
	%	19.7	26.5		26.5			94.6	96.9		96.9		

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 15 — ESTIMATED UNIRRIGATED AREA UNDER RABI JOWAR COVERED BY DIFFERENT INPUTS

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below – 1.00	1,36,616	76,945	10,615	–	5,118	5,118
				7.1		100.0	6.9
2	1.00 – 1.99	97,361	1,40,570	15,386	110	9,923	10,033
				16.0	1.1	98.9	7.3
3	2.00 – 3.99	93,005	2,61,635	24,908	29	26,986	27,015
				29.3	.1	99.9	11.0
4	4.00 – 9.99	71,778	4,30,375	31,735	188	66,115	66,303
				51.2	.3	99.7	18.3
5	10 & More	16,216	2,36,574	6,786	–	29,127	29,127
				61.1		100.0	19.0
(All classes)		4,34,976	11,46,098	89,430	327	1,37,270	1,37,597
%				22.1	.2	99.8	14.2

Table 15 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V	Others	Total (10+11)	Total M.T.	Kg./ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg./ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
4	4.00 – 9.99	–	–	–	–	–	–	–	–	–	–	–	–
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
(All classes)		–	–	–	–	–	–	–	–	–	–	–	–
%													

Table 15 (Contd·)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below– 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	403	–	485	485	14	29	134	–	62	62	5	81
	%	5·9		1·7	1·7			2·0		·2	·2		
	(All classes)	403	–	485	485	14	29	134	–	62	62	5	81
	%	·5		·4	·4			·1					

Table 15 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T.	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below– 1·00	148	–	48	48	1	21	–	–	–	–	–	–
	%	1·4		·9	·9								
2	1·00 – 1·99	1,688	–	2,088	2,088	32	15	1,420	–	590	590	10	17
	%	11·0		21·0	20·8			9·2		5·9	5·9		
3	2·00 – 3·99	6,808	29	5,936	5,966	152	25	1,132	–	960	960	12	13
	%	27·3	100·0	22·0	22·1			4·5		3·6	3·6		
4	4·00 – 9·99	8,643	–	11,239	11,239	169	15	–	–	–	–	–	–
	%	27·2		17·0	17·0								
5	10 & More	726	–	1,343	1,343	25	19	–	–	–	–	–	–
	%	10·7		4·6	4·6								
	(All classes)	18,013	29	20,655	20,684	379	18	2,552	–	1,550	1,550	22	14
	%	20·1	8·9	15·0	15·0			2·9		1·1	1·1		

REGION-6

Table 15 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo Lt	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below- 1.00 %	-	-	-	-	-	-	-	-	-	-	-	-
2	1.00 - 1.99 %	-	-	-	-	-	-	-	-	-	-	-	-
3	2.00 - 3.99 %	-	-	-	-	-	-	-	-	-	-	-	-
4	4.00 - 9.99 %	-	-	-	-	-	-	-	-	-	-	-	-
5	10 & More %	-	-	-	-	-	-	-	-	-	-	-	-
	(All classes) %	-	-	-	-	-	-	-	-	-	-	-	-

NOTE :-

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survery sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

REGION–6
(EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table 16 *ESTIMATED UNIRRIGATED AREA UNDER WHEAT COVERED BY DIFFERENT INPUTS* Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings growing the Crop	Unirrigated Area under Crop		
		Number	Area		H.Y.V.	Others	Total
1	2	3	4	5	6	7	8
1	Below– 1·00	1,56,616	76,945	13,742	269	1,778	2,047
	%			9.2	13·1	86·9	2·8
2	1·00 – 1·99	97,361	1,40,570	13,609	227	3,763	3,989
	%			14·1	5·7	94·3	2·9
3	2·00 – 3·99	93,005	2,61,635	25,327	743	16,528	17,270
	%			29·8	4.3	95·7	7·1
4	4·00 – 9·99	71,778	4,30,375	31,366	2,089	38,165	40,254
	%			50·6	5·2	94·8	11·1
5	10 & More	16,216	2,36,574	6,938	181	16,952	17,134
	%			62·5	1·1	98·9	11·2
	(All classes)	4,34,976	11,46,098	90,982	3,509	77,186	80,694
	%			22·5	4·3	95·7	8·3

Table 16 (Contd)

(Area in hectares)

Sr. No.	Size Class of Holdings	Ammonium Sulphate						Super Phosphate					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (10+11)	Total M.T.	Kg/ha 13/12		H.Y.V.	Others	Total (16+17)	Total M.T.	Kg/ha 19/18
		9	10	11	12	13	14	15	16	17	18	19	20
1	Below– 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
3	2·00 – 3·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
4	4·00 – 9·99	–	–	–	–	–	–	–	–	–	–	–	–
	%												
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
	%												
	(All classes)	–	–	–	–	–	–	–	–	–	–	–	–
	%												

REGION–6

Table 16 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Urea						Other Chemical Fertilizers					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (22+23)	Total M.T.	Kg/ha 25/24		H.Y.V.	Others	Total (28+29)	Total M.T.	Kg/ha 31/30
		21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	–	–	–	–	–	–	–	–	–	–	–	–
	%												
2	1·00 – 1·99	956	–	554	554	96	173	131	–	69	69	6	87
	%	7·0		14·7	13·9			1·0		1·8	1·7		
3	2·00 – 3·99	1,079	61	840	901	17	19	405	–	39	39	5	128
	%	4·3	8·2	5·1	5·2			1·6		·2	·2		
4	4·00 – 9·99	3,393	–	2,604	2,604	96	37	460	273	85	358	34	95
	%	10·8		6·8	6·5			1·5	13·0	·2	·9		
5	10 & More	605	82	1,628	1,710	57	33	592	82	683	765	58	76
	%	8·7	45·2	9·6	10·0			8·5	45·2	4·0	4·5		
	(All classes)	6,033	143	5,626	5,769	266	46	1,588	355	876	1,231	103	84
	%	6·6	4·1	7·3	7·1			1·7	10·1	1·1	1·5		

Table 16 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Farm Yard Manure						Compost & Other Manure					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (34+35)	Total 00 M.T	qt/ha 37/36		H.Y.V.	Others	Total (40+41)	Total 00M.T.	qt/ha 43/42
		33	34	35	36	37	38	39	40	41	42	43	44
1	Below – 1·00	444	–	154	154	4	26	–	–	–	–	–	–
	%	3·2		8·7	7·5								
2	1·00 – 1·99	464	–	250	250	11	44	–	–	–	–	–	–
	%	3·4		6·6	6·3								
3	2·00 – 3·99	4,843	295	3,176	3,471	57	16	–	–	–	–	–	–
	%	19·1	39·8	19·2	20·1								
4	4·00 – 9·99	5,896	152	6,039	6,198	64	10	–	–	–	–	–	–
	%	18·8	7·6	15·8	15·4								
5	10 & More	1,578	–	1,889	1,889	38	20	–	–	–	–	–	–
	%	22·7		11·1	11·0								
	(All classes)	13,225	454	11,507	11,961	174	15	–	–	–	–	–	–
	%	14·5	12·9	14·9	14·8								

REGION–6

Table 16 (Contd.)

(Area in hectares)

Sr. No.	Size Class of Holdings	Pesticide by Dusting						Pesticide by Spraying					
		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied		No. of Holdings treated (% w.r.t. col. 5)	Area treated			Quantity Applied	
			H.Y.V.	Others	Total (46+47)	Total M.T.	Kg/ha 49/48		H.Y.V.	Others	Total (52+53)	Kilo. Lt.	Lt/ha
		45	46	47	48	49	50	51	52	53	54	55	56
1	Below – 1.00	–	–	–	–	–	–	–	–	–	–	–	–
2	1.00 – 1.99	–	–	–	–	–	–	–	–	–	–	–	–
3	2.00 – 3.99	–	–	–	–	–	–	–	–	–	–	–	–
4	4.00 – 9.99	–	–	–	–	–	–	318 1.6	159 7.6	–	159 .4	–	–
5	10 & More	–	–	–	–	–	–	–	–	–	–	–	–
(All classes) %		–	–	–	–	–	–	318 .3	159 4.5	–	159 .2	–	–

NOTE :–

1) Percentage of number of holdings growing the crop and the total area under the crop is with respect to total number of holdings and area estimated from Input Survey sample.

2) Percentage of area under H. Y. V. & other variety is with respect to total area under the crop.

3) Percentage of treated area under H. Y. V., other variety & total area treated with different input is with respect to respective area under the crop.

REGION–6
(EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–17 *ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT CHEMICAL FERTILIZERS UNIRRIGATED IN AREAS*

Area in hectares

Sr. No.	Size Class of Holdings	Total Holdings		Number and Area benefitted by Chemical Fertilizers									
				No. of Holdings Growing one or more selected Crops	Unirrigated Area under selected Crops	Ammonium Sulphate				Super Phosphate			
		Number	Area			No. of Holdings	S.E. % S.E	Area	S.E. % S.E.	No. of Holdings	S.E. % S.E	Area	S.E. % S.E
		3	4	5	6	7	8	9	10	11	12	13	14
1	Below – 1·00	1,56,616	76,945	1,07,178	52,622	–	–	–	–	743	738	487	483
	%			71·4	71·4					·7	99·3	·9	99·3
2	1·00 – 1·99	97,361	1,40,570	77,110	76,069	107	106	63	63	1,092	1,084	1,269	1,249
	%			80·1	55·3	·1	99·1	·1	99·0	1·4	99·3	1·7	98·4
3	2·00 – 3·99	93,005	2,61,635	71,493	1,35·537	324	322	293	291	2,023	2,008	2,366	2,349
	%			84·2	55·3	·5	99·4	·2	99·2	2·8	99·3	1·7	99·3
4	4·00 – 9·99	71,778	4,30,375	56,710	1,94,664	–	–	–	–	–	–	–	–
	%			91·4	53·7								
5	10 & More	16,216	2,36,574	10,451	80,339	862	639	782	538	739	734	3,934	3,905
	%			94·1	52·5	8·2	74·1	1·0	68·8	7·1	99·3	4·9	99·3
	(All classes)	4,34,976	11,46,098	3,22,942	5,39,231	1,293	723	1,138	615	4,597	2,508	8,056	4,749
	%			79·9	55·5	·4	55·9	·2	54·0	1·4	54·6	1·5	59·0

Table–17 (Contd.)

Sr No.	Size Class of Holdings	Total Holdings		Chemical Fertilizers									
				No. of Holdings Growing one or more selected Crops	Unirrigated Area under selected Crops	Urea				Other Chemical Fertilizers			
		Number	Area			No. of Holdings	S.E.	Area	S.E.	No. of Holdings	S.E.	Area	S.E.
1	2	3	4	5	6	15	16	17	18	19	20	21	22
1	Below – 1·00	1,56,616	76,945	1,07,178	52,622	6134	3,295	2,618	1,722	7,788	3,671	3,767	2,343
	%			71·4	71·4	5·7	53·7	5·0	65·8	7·3	47·1	7·2	62·2
2	1·00 – 1·99	97,361	1,40,570	77,110	76,069	5,479	3,111	6,566	4,182	5,868	2,270	5,527	2,811
	%			80·1	55·3	7·1	56·8	8·6	63·7	7·6	38·7	7·3	50·9
3	2·00 – 3·99	93,005	2,61,635	71,493	1,35,537	9,213	3,896	14,439	7,599	13,350	3,946	22,578	7,553
	%			84·2	55·3	12·9	42·3	10·7	52·6	18·7	29·6	16·7	33·5
4	4·00 – 9·99	71,778	4,30,375	56,710	1,94,664	8,029	4,908	17,245	12,379	10,032	4,765	19,419	10,365
	%			91·4	53·7	14·2	61·1	8·9	71·8	17·7	47·5	10·0	53·4
5	10 & More	16,216	2,36,574	10,451	80,339	3,321	1,064	9,850	4,148	4,067	1,635	10,851	3,948
	%			94·1	52·5	31·8	32·0	12·3	42·1	38·9	40·2	13·5	36·4
	(All classes)	4,34,976	11,46,098	3,22,942	5,39,231	32,176	7,806	50,718	15,768	41,105	7,719	62,146	13,909
	%			79·9	55·5	10·0	24·3	9·4	31·1	12·7	18·8	11·5	22·4

Table–17 A *ESTIMATED NUMBER AND AREA OF HOLDINGS BENEFITTED BY DIFFERENT ORGANIC MANURES AND PESTICIDES IN UNIRRIGATED AREAS*

(Area in hectares)

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings Growing one or more selected Crops	Un Irrigated Area under selected Crops	No. of Holdings and Area benefitted by Organic Manures					
						Organic Manures				Pesticides	
						Farm yard Manure		Compost		Pesticides	
		Number	Area			No. of Holdings	Area	No. of Holdings	Area	No. of Holdings	Area
1	2	3	4	5	6	23	24	25	26	27	28
1	Below– 1·00	1,56,616	76,945	1,07,178	52,622	62,156	26,673	16,568	9,452	1,529	107
	%			71·4	71·4	58·0	50·7	15·5	18·0	1·4	·2
2	1·00 – 1·99	97,361	1,40,570	77,110	76,069	38,529	36,399	11,832	13,403	–	–
	%			80·1	55·3	50·0	47·8	15·3	17·6		
3	2·00 – 3·99	93,005	2,61,635	71,493	1,35,537	45 695	63,534	11,093	24,410	2,008	2,382
	%			84·2	55·3	63·9	46·9	15·5	18·0	2·8	1·8
4	4·00 – 9·99	71,778	4,30,375	56,710	1,94,664	39,163	79,894	1,353	5,709	1,127	826
	%			91·4	53·7	69·1	41·0	2·4	2·9	2·0	·4
5	10 & More	16,216	2,36,574	10,451	80,339	8,566	29,625	115	1,191	1,544	1,658
	%			94·1	52·5	82·0	36·9	1·1	1·5	14·8	2·1
	(All classes)	4,34,976	11,46,098	3,22,942	5,39,231	1,94,109	2,36,124	40,961	54,165	6,208	4,973
	%			79·9	55·5	60·1	43·8	12·7	10·0	1·9	·9

REGION–6
(EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–18 *ESTIMATED NUMBER OF CATTLE REPORTED BY OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		Males over 3 years				Females over 3 years			
		Number	Area	No. of Holdings reporting males	Working	Others	Total Males (6+7)	No. of Holdings reporting females	In Milk	Others	Total Females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1.00	1,56,616	76,945	87,963	1,71,868	8,474	1,80,342	55,832	45,477	46,173	91,650
	%										
2	1.00 – 1.99	97,361	1,40,570	65,534	1,40,411	9,055	1,49,466	53,543	39,947	40,490	80,437
	%										
3	2.00 – 3.99	93,005	2,61,635	82,267	2,05,068	12,517	2,17,385	58,430	65,120	73,621	1,38,741
	%										
4	4.00 – 9.99	71,778	4,30,375	63,298	1,91,271	17,753	2,09,024	49,837	61,331	87,038	1,48,369
	%										
5	10 & More	16,216	2,36,574	10,760	52,671	10,255	62,926	9,030	16,426	28,934	45,360
	%										
	(All classes)	4,34,976	11,46,098	3,09,822	7,61,289	58,054	3,19,343	2,26,672	2,28,301	2,76,256	5,04557

Table–18 (Contd.)

Sr. No.	Size Class of Holdings	Youngstock upto 3 years		Total	Total no. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock	Cols. (8+12+14)	
		13	14	15	16
1	Below – 1.00	33,024	52,119	3,24,111	1,04,082
	%				
2	1.00 – 1.99	30,226	56,123	2,86,026	78,970
	%				
3	2.00 – 3.99	42,107	1,14,475	4,70,801	85,536
	%				
4	4.00 – 9.99	40,853	1,10,436	4,67,829	63,692
	%				
5	10 & More	8,102	31,543	1,39,829	10,893
	%				
	(All classes)	1,54,312	3,64,696	16,88,596	3,43,173
	%				

REGION–6
(EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–19 *ESTIMATED NUMBER OF BUFFALOES REPORTED BY OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		No. of Holdings reporting males	Males over 3 years			No. of Holdings reporting females	Females over 3 years		
		Number	Area		Working	Others	Total Males (6+7)		In Milk	Others	Total Females (10+11)
1	2.	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00 %	1,56,616	76,945	7,975	13,256	113	13,369	5,853	3,840	5,602	9,442
2	1·00 – 1·99 %	97,361	1,40,570	2,799	4,990	–	4,990	8,675	15,534	10,540	26·074
3	2·00 – 3·99 %	93,005	2,61,635	11,263	21,985	4,410	26,395	20,436	25,458	11,687	37,145
4	4·00 – 9·99 %	71,778	4,30,375	10,280	18,308	773	19,081	23,167	43,710	13,116	56,826
5	10 & More %	16,216	2,36,574	3,219	7,868	113	8,001	5,437	7,646	6,801	14,447
(All classes)		4,34,976	11,46,098	35,536	66,407	5,429	71,836	63,568	96,188	47,746	1,43,934

Table–19 (Contd.)

Sr. No.	Size Class of Holdings	Youngstock upto 3 years		Total Cols. (8+12+14)	Total no. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1·00 %	973	1,378	24,189	13,885
2	1·00 – 1·99 %	3,955	9,935	40,999	10,254
3	2·00 – 3·99 %	8,429	20,123	83,663	30,346
4	4·00 – 9·99 %	13,860	26,689	1,02,596	30,199
5	10 & More %	2,983	7,304	29,752	7,262
(All classes)		30,200	65,429	2,81,199	91,946

REGION 6

(EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–20

ESTIMATED NUMBER OF CATTLE PER 100 HECTARES OF AREA OPERATED BY HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings		No. of cattle per 100 hectares of area operated by Households							
				No. of Holdings Reporting Males	Males over 3 years			No. of Holdings Reporting Females	Females over 3 years		
		Number	Area		Working	Others	Total Col. (6 + 7)		In milk	Others	Total Col. (10 + 11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,56,616	76,945	87,963	234	12	246	55,832	62	63	125
	%										
2	1·00 – 1·99	97,361	1,40,570	65,534	102	7	109	53,543	29	29	58
	%										
3	2·00 – 3·99	93,005	2,61,635	82,267	83	5	88	58,430	26	30	56
	%										
4	4·00 – 9·99	71,778	4,30,375	63,298	52	5	56	49,837	17	24	40
	%										
5	10 & More	16,216	2,36,574	10,760	34	7	41	9,030	11	19	29
	%										
(All classes)		4,34,976	11,46,098	30,98,22	77	6	83	2,26,672	23	28	51
	%										

Table 20 (Contd.)

Sr. No.	Size Class of Holdings	No. of cattle per 100 hectares of area operated by households			
		Youngstock upto 3 years		Total	Total No. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock	Cols. (8 + 12 + 14)	
		13	14	15	16
1	Below – 1·00	33,024	71	442	1,04,082
	%				
2	1·00 – 1·99	30,226	41	208	78,970
	%				
3	2·00 – 3·99	42,107	46	191	85,536
	%				
4	4·00 – 9·99	40,853	30	126	63,692
	%				
5	10 & More	8,102	20	90	10,893
	%				
(All classes)		1,54,312	37	171	3,43,173
	%				

REGION 6

(EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table –21

ESTIMATED NUMBER OF BUFFALOES PER 100 HECTARES OF AREA OPERATED BY HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	No. of Buffaloes per 100 hectares of area operated by Households									
		Total Holdings			Males over 3 years				Females over 3 years		
		Number	Area	No. of Holdings reporting males	Working	Others	Total males Col. (6+7)	No. of Holdings reporting females	In Milk	Others	Total females Col. (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00 %	1,56,616	76,945	7,975	18	–	18	5,853	5	8	13
2	1·00 – 1·99 %	97,361	1,40,570	2,799	4	–	4	8,675	11	8	19
3	2·00 – 3·99 %	93,005	2,61,635	11,263	9	2	11	20,436	10	5	15
4	4·00 – 9·99 %	71,778	4,30,375	10,280	5	–	5	23,167	12	4	15
5	10 & More %	16,216	2,36,574	3,219	5	–	5	5,437	5	4	9
	(All classes)	4,34,976	11,46,098	35,536	7	1	7	63,568	10	5	15

Table–21 (Contd.)

Sr. No.	Size Class of Holdings	No. of Buffaloes per 100 hectares of area operated by Households			
		Youngstock upto 3 years		Total of	
		Number of Holdings reporting youngstock	Total youngstock	Cols. (8+12+14)	Holdings reporting one or more categories
		13	14	15	16
1	Below– 1·00 %	973	2	33	13,885
2	1·00 – 1·99 %	3,955	7	30	10,254
3	2·00 – 3·99 %	8,429	8	34	30,346
4	4·00 – 9·99 %	13,860	7	28	30,199
5	10 & More %	2,983	5	19	7,262
	(All classes) %	30,200	7	28	91,946

REGION, 6
(EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–22 *ESTIMATED NUMBER OF CATTLE PER 100 OPERATING HOUSEHOLDS ASON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		No. of Cattle per 100 Operating Households							
		Number	Area	Males over 3 years				Females over 3 years			
				No. of Holdings reporting males	Working	Others	Total males (6 + 7)	No. of Holdings reporting females	In Milk	Others	Total females (10 + 11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1·00	1,56,616	76,945	87,963	117	6	122	55,832	31	31	62
	%										
2	1·00 – 1·99	97,361	1,40,570	65,534	146	9	156	53,543	42	42	84
	%										
3	2·00 – 3·99	93,005	2,61,635	82,267	240	15	254	58,430	76	86	162
	%										
4	4·00 – 9·99	71,778	4,30,375	63,298	303	28	331	49,837	97	138	235
	%										
5	10 & More	16,216	2,36,574	10,760	475	93	568	9,030	148	261	409
	%										
	(All classes)	4,34,976	11,46,098	3,09,822	189	14	203	2,26,672	57	69	125

Table–22 (Contd.)

Sr. No.	Size Class of Holdings	No. of Cattle per 100 Operating Households			
		Youngstock upto 3 years		Total Cols. (8 + 12 + 14)	Total No. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1.00	33,024	35	220	1,04,082
	%				
2	1·00 – 1·99	30,226	58	298	78,970
	%				
3	2·00 – 3·99	42,107	134	550	85,536
	%				
4	4·00 – 9·99	40,853	175	741	63,692
	%				
5	10 & More	8,102	285	1,262	10,893
	%				
	(All classes)	1,54,312	90	419	3,43,173

REGION 6
(EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–23 *ESTIMATED NUMBER OF BUFFALOES PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977*

Sr. No.	Size Class of Holdings	Total Holdings		Buffaloes per 100 Operating Households							
				Males over 3 years				Females over 3 years			
		Number	Area	No. of Holdings reporting males	Working	Others	Total males (6+7)	No. of Holdings reporting females	In Milk	Others	Total females (10+11)
1	2	3	4	5	6	7	8	9	10	11	12
1	Below – 1.00	1,56,616	76,945	7,975	9	–	9	5,853	3	4	6
	%										
2	1.00 – 1.99	97,361	1,40,570	2,799	5	–	5	8,675	16	11	27
	%										
3	2.00 – 3.99	93,005	2,61,635	11,263	26	5	31	20,436	30	14	43
	%										
4	4.00 – 9.99	71,778	4,30,375	10,280	29	1	30	23,167	69	21	90
	%										
5	10 & More	16,216	2,36,574	3,219	71	1	72	5,437	69	61	130
	%										
All classes)		4,34,976	11,46,098	35,536	16	1	18	63,568	24	12	36

Table–23 (Contd.)

Sr. No.	Size Class of Holdings	No. of Buffaloes per 100 Operating Households			
		Youngstock upto 3 years		Total Cols. (8+12+14)	Total No. of Holdings reporting one or more categories
		Number of Holdings reporting youngstock	Total youngstock		
		13	14	15	16
1	Below – 1.00	973	1	16	13,885
	%				
2	1.00 – 1.99	3,955	10	43	10,254
	%				
3	2.00 – 3.99	8,429	24	98	30,346
	%				
4	4.00 – 9.99	13,860	42	162	30,199
	%				
5	10 & More	2,983	66	268	7,262
	%				
	(All classes)	30,200	16	70	91,946
	%				

REGION–6

AGRICULTURAL CENSUS 1976-77 MAHARASHTRA STATE

(EASTERN)

Table 24 ESTIMATED NUMBER OF LIVESTOCK (OTHER THAN CATTLE AND BUFFALOES) PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings		Number per 100 Operating Households													
				Sheep			Goats			Horses and Ponies	Mules	Donkeys or Asses	Pigs			Camels	Other Livestock
		Number	Area	Under one year	One year & above	Total	Under one year	One year & above	Total				below 6 months	above 6 months	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Below – 1·00	1,56,616	76,945	8	16	25	31	69	100	–	–	–	–	–	–	–	–
2	1·00 – 1·99	97,361	1,40,570	4	15	19	44	84	128	–	–	–	–	–	–	–	–
3	2·00 – 3·99	93,005	2,61,635	5	19	24	43	88	131	2	–	–	–	–	1	–	–
4	4·00 – 9·99	71,778	4,30,375	7	10	17	68	153	221	1	–	–	–	–	–	–	4
5	10 & More	16,216	2,36,574	61	34	195	100	135	235	–	–	–	4	1	5	–	5
	(All Classes)	4,34,976	11,46,098	8	16	24	44	92	136	–	–	–	–	–	–	–	1

Table 25 ESTIMATED NUMBER OF POULTRY PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings		Number per 100 Operating Households												Total Poultry
				Cocks			Hens			Chickens below 5 months			Ducks			
		Number	Area	Deshi	Improved	Total (Col. 5+6)	Deshi	Improved	Total (Col 8+9)	Deshi	Improved	Total (Col 11+12)	Deshi	Improved	Total (Col.14+15)	Col 7+10 +13+16
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Below – 1·00	1,56,616	76,945	–	–	12	–	–	74	–	–	75	–	–	–	161
2	1·00 – 1·99	97,361	1,40,570	–	–	30	–	–	105	–	–	79	–	–	1	215
3	2·00 – 3·99	93,005	2,61,635	–	–	58	–	–	119	–	–	134	–	–	–	310
4	4·00 – 9·99	71,778	4,30,375	–	–	51	–	–	166	–	–	155	–	–	–	372
5	10 & More	16,216	2,36,574	–	–	139	–	–	322	–	–	392	–	–	–	853
	(All Classes)	4,34,976	11,46,098	–	–	36	–	–	114	–	–	110	–	–	–	258

REGION–6

(EASTERN)
Table–26

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

ESTIMATED NUMBER OF AGRICULTURAL MACHINERY OWNED INDIVIDUALLY PER 100 OPERATING HOUSEHOLDS AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	Ploughs Wooden	Ploughs Iron	Number of Agricultural Machinery Owned Individually per 100 Operating Households: Total Col. 5+6	Earth Leveller or Scrapers	Harrows & Hoes	Hand Tractors Power Tillers	Seed Drills	Maize Shellers	Sprayers	Dusters	Harvesters	Chaff Cutters	Threshers
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Below – 1·00	1,56,616	76,945	82	–	82	20	45	–	6	–	–	–	–	–	–
2	1·00 – 1·99	97,361	1,40,570	97	–	97	19	56	–	8	–	–	–	–	–	–
3	2·00 – 3·99	93,005	2,61,635	141	5	146	31	72	–	21	–	–	–	–	1	3
4	4·00 – 9·99	71,778	4,30,375	179	–	179	47	102	–	40	–	1	–	–	1	4
5	10 & More	16,216	2,36,574	298	7	304	114	139	–	59	–	13	6	–	28	37
	(All Classes)	4,34,976	11,46,098	119	1	121	29	65	–	17	–	1	–	–	1	2

Table 26 (Contd.)

Sr. No.	Size Class of Holdings	Number of Agricultural Machinery owned Individually per 100 operating Households: Pumps Electric	Pumps Diesel	Pumps Others	Pumps Total Col. 16+19+20	Bullock Carts	Cane Crushers	Oil Crusher	Persian wheel or Rahat	Tractors less than 10 H.P.	Tractors 10 to 14 H.P.	Tractors 14 to 19 H.P.	Tractors more than 20 H.P.	Tractors H.P. not known	Tractors Total	Other Machinery
		18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Below – 1·00	–	–	–	–	51	–	–	–	–	–	–	–	–	–	407
2	1·00 – 1·99	–	–	–	–	70	–	–	–	–	–	–	–	–	–	433
3	2·00 – 3·99	–	1	–	2	106	–	–	–	–	–	–	–	–	–	502
4	4·00 – 9·99	1	–	–	2	126	1	–	–	–	–	–	–	–	–	527
5	10 & More	13	7	1	20	174	–	4	–	–	–	–	–	–	–	631
	(All Classes)	1	–	–	1	82	–	–	–	–	–	–	–	–	–	458

REGION–6
(EASTERN)

AGRICULTURAL CENSUS 1976 - 77 MAHARASHTRA STATE

Table–27

ESTIMATED NUMBER OF AGRICULTURAL MACHINERY OWNED INDIVIDUALLY PER 100 HECTARES OF AREA OPERATED BY HOUSEHOLD AS ON 15TH APRIL 1977

Sr. No.	Size Class of Holdings	Total Holdings Number	Total Holdings Area	Ploughs Wooden	Ploughs Iron	Total Col. 5+6	Earth Leveller or Scrapers	Harrows & Hoes	Hand Tractors Power Tillers	Seed Drills	Maize Shellers	Sprayers	Dusters	Harvesters	Chaff Cutters	Threshers
		Number of Agricultural Machinery Owned Individually per 100 hectares of Area Operated by Households														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Below 1.00 %	1,56,616	76,945	165	–	165	40	91	–	13	–	–	–	–	–	–
2	1.00 – 1.99 %	97,361	1,40,570	68	–	68	13	39	–	5	–	–	–	–	–	–
3	2.00 – 3.99 %	93,005	2,61,635	49	2	51	11	25	–	7	–	–	–	–	–	1
4	4.00 – 9.99 %	71,778	4,30,375	30	–	30	8	17	–	7	–	–	–	–	–	1
5	10 & More %	16,216	2,36,574	21	–	22	8	10	–	4	–	1	–	–	2	3
	(All classes)	4,34,976	11,46,098	49	1	49	12	26	–	7	–	–	–	–	1	1

Table 27 (Contd.)

Sr. No.	Size Class of Holdings	Pumps Electric	Pumps Diesel	Pumps Others	Pumps Total Col. 18+19+20	Bullock Carts	Cane Crushers	Oil Crushers	Persian wheel or Rahat	Tractors with H.P. less than 10	Tractors with H.P. 10 to 14	Tractors with H.P. 14 to 19	Tractors with H.P. 20 & above	Tractors with H.P. H.P. not available	Tractors with H.P. Total	Other Machinery
		18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Below 1.00 %	–	–	–	–	101	–	–	–	–	–	–	–	–	–	818
2	1.00 – 1.99 %	–	–	–	–	49	–	–	–	–	–	–	–	–	–	302
3	2.00 – 3.99 %	–	–	–	1	37	–	–	–	–	–	–	–	–	–	174
4	4.00 – 9.99 %	–	–	–	–	21	–	–	–	–	–	–	–	–	–	90
5	10 & More %	1	–	–	1	13	–	–	–	–	–	–	–	–	–	45
	(All Classes)	–	–	–	1	33	–	–	–	–	–	–	–	–	–	187