



GOVERNMENT OF MAHARASHTRA

REPORT ON

MILK, EGG, WOOL AND
MEAT PRODUCTION

AND

LIVESTOCK AND POULTRY
KEEPING PRACTICES IN
MAHARASHTRA STATE

FOR THE YEAR 1979-80

GOVERNMENT OF MAHARASHTRA
DIRECTORATE OF ANIMAL HUSBANDRY,
PUNE

Report on the Integrated Survey Scheme
for estimation of Annual Production of
Livestock Products and study of Lives-
-tock and Poultry Keeping Practices in
Maharashtra State, during the year 1979-80.

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P R E F A C E

The Department of Animal Husbandry, Maharashtra State, Pune has launched an Integrated Sample Survey Scheme since 1970-71 to study the annual status of the major livestock products and the livestock keeping practices followed in the State. So far, nine such Annual Sample Surveys have been conducted in succession. The present survey report is based on the findings of the tenth annual survey in the series, as per the revised plan suggested by the Government of India.

Naturally, the report contains valuable information on milk, egg, wool and meat production in the State, during 1979-80. It also contains the detailed information about breeding, feeding and management practices followed in livestock and poultry keeping, information on utilization pattern of livestock products, mortality rates of livestock etc.

The success of this survey goes to the field staff as well as the office staff of the Integrated Survey Scheme of the Department. We are also indebted to the Indian Agricultural Statistics Research Institute, New Delhi for providing the sampling technique for the survey since inception.

It is hoped that the findings of the present survey will be of use to the Planners, Administrators and those interested in Animal Husbandry and dairying. The vital results of the survey are given at the beginning of the report for the sake of convenience.

Place: Pune-411 001.

P. D. MORASDAR,
DIRECTOR

Dated: 8 May, 1984.

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wool
and
Some salient results at a glance from the survey, on
productio. of Milk, Egg/and Meat/study of livestock and
poultry rearing practices in Maharashtra State, during
1979-80.

Sr. No.	Item	Unit	Figures
1.	2.	3.	4.

I. GENERAL INFORMATION :

1. Size of sample observed

i) Number of districts observed	Number	25
ii) Number of villages observed	Number	375

2. Characteristics of villages

i) Having bovine	Percentage	100.0
ii) Having poultry	-do-	98.1
iii) Having sheep	-do-	17.6
iv) Having goats	-do-	97.3
v) Average number of households per village.	Number	176

3. Percentage of households rearing

i) Bovine	Percentage	58.1
ii) Poultry	-do-	30.7
iii) Sheep	-do-	1.4
iv) Goats	-do-	25.2
v) No livestock and poultry	-do-	26.2

II. MILK PRODUCTION AND BOVINE KEEPING PRACTICES :

of 1. Size/sample observed

i) Total bovine keeper households for milk recording and detailed study.	Number	6612
ii) Total bovines for detailed study	-do-	39,889
iii) Total in-milk bovine for milk recording		
a) Cows	-do-	5686
b) Buffaloes	-do-	2814

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1.-----2.-----3.-----4.-----

2. ESTIMATED NUMBER OF BOVINES

In-milk :

i) Cows in-milk	Lakh	17.48
ii) Buffaloes in-milk	-do-	10.07
iii) Cows in-milk to milch cows	Percentage	43
iv) Buffaloes in-milk to milch buffaloes	-do-	61

3. Per day milk production in the State.

i) Cow milk	Lakh Kg.	16.3 (15.9)
ii) Buffalo milk	(Lakh Ltrs.)	24.8 (24.1)
iii) Total	-do-	41.1 (40.0)

4. Annual milk production in the (State)

i) Cow milk	Lakh Kg.	5961.2 (5798.5)
ii) Buffalo milk	(Lakh Ltrs.)	9095.0 (8846.7)
iii) Total	-do-	15056.2 (14645.2)

5. Average daily milk yield per animal in-milk.

i) Cow	Kg.(Litre)	0.929 (0.904)
ii) Buffalo	Kg.(Litre)	2.126 (2.068)

6. Feeding practices of animals

i) Cattle kept on grazing alone	Percentage	15.7
ii) Buffaloes kept on grazing alone	-do-	11.2

7. Average quantity of feed/fodder fed per day, per animal

a) Cattle -	i) Green	Kg.	7.832
	ii) Dry	-do-	6.939
	iii) Concentrates	-do-	1.363
b) Buffalo	i) Green	-do-	9.178
	ii) Dry	-do-	7.879
	iii) Concentrates	-do-	1.937

8. Quantity of dung dropped in cattle shed per bovine per day

Kg.	3.309
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1. 2. 3. 4.
9. Annual Mortality in

i) Cattle	Percentage	1.5
ii) Buffaloes	-do-	3.4

III. EGG PRODUCTION AND POULTRY REARING PRACTICES

1. Size of sample observed

i) Households observed detailed study	Number	15,185
ii) Total number of poultry birds observed		
a) Cocks	Number	5555
b) Hens	-do-	40702
c) Pullets	-do-	13650
d) Cockerels	-do-	4049
e) Chicks	-do-	40790
f) Total	-do-	1,04,746

2. Estimated number of layers in the State

a) Deshi	Lakh	58.99
b) Improved	-do-	15.81

3. Average number of eggs laid per layer per year

a) Deshi	Number	116
b) Improved	-do-	215

4. Estimated per day egg production in the State

a) Deshi	Lakh	18.73
b) Improved	-do-	9.29
c) Total	-do-	28.02

5. Estimated annual egg production in the State

a) Deshi	Crore	68.55
b) Improved	-do-	34.01
c) Total	-do-	102.56

6. Average number of deshi birds per 100 poultry keeper households

a) Cocks	Number	37
b) Hens	-do-	268
c) Cockerels	-do-	27

(v)

1. 2. 3. 4.

6. continued

d) Pullets	Number	90
e) Chicks	-do-	268
f) Total	-do-	690
7. <u>Average hatching percentage</u>	Percentage	74.7
8. <u>Average feed supplied per poultry bird/day</u>	Gms	17
9. <u>Annual mortality in poultry</u>	Percentage	18.7

IV. WOOL PRODUCTION AND SHEEP REARING PRACTICES.

1. Size of Sample

i) Number of flocks observed	Number	551
ii) <u>Total sheep observed</u>		
a) Rams and wethers	Number	925
b) Ewes	-do-	13829
c) Male lambs	-do-	1921
d) Female lambs	-do-	2554
e) Total	-do-	19229

2. Estimated number of sheep in the State

a) Rams and wethers	Lakh	1.57
b) Ewes	-do-	17.50
c) Lambs	-do-	5.23
d) Total	-do-	24.30

3. Average wool yield per sheep/year

a) Rams	Kg.	0.617
b) Ewes	-do-	0.534
c) Lambs	-do-	0.366
d) Overall	-do-	0.520

4. Total annual wool production Metric Tons 1125

1.	2.	3.	4.
<u>V) GOAT MILK PRODUCTION AND GOAT REARING PRACTICES</u>			
1) <u>Total goats observed</u>			
a) Bucks	Number		1383
b) Does	-do-		25809
c) Male kids	-do-		6309
d) Female kids	-do-		9265
e) Total	-do-		42766
2. <u>Average daily milk yield per goat in-milk</u>	Kg.		0.180
3. <u>Percentage of goats in-milk to milch goats</u>	Percentage		44.1
4. <u>Estimated number of goats in-milk</u>	No. in lakh		19.68
5. Total goat milk production			
i) Per day	Lakh Kg.		3.544 (3.447)
ii) For the year	(Lakh Litrs) -do-		1297.2 (1261.8)
6. <u>Annual mortality in goats</u>	Percentage		6.5

VI) MEAT PRODUCTION

1. <u>Average meat production per animal</u>			
a) Cattle	Kg.		101.391
b) Buffalo	-do-		121.081
c) Sheep	-do-		9.790
d) Goat	-do-		9.199
2. <u>Estimated number of animals slaughtered</u>			
a) Cattle	Lakhs		3.38
b) Buffaloes	-do-		2.59
c) Sheep	-do-		21.88
d) Goats	-do-		38.19
3. <u>Total meat production</u>			
a) Per day	'000 M.T.		0.334
b) For the year	-do-		122.180