

DEPARTMENT OF STATISTICS, INDIA

Agricultural Statistics of India

1913-14

Volume I

Area, Classification of Area, Area under Crops,
Stock, Land Revenue Assessment, and
of Land in British India

Published by order of the Governor-General in



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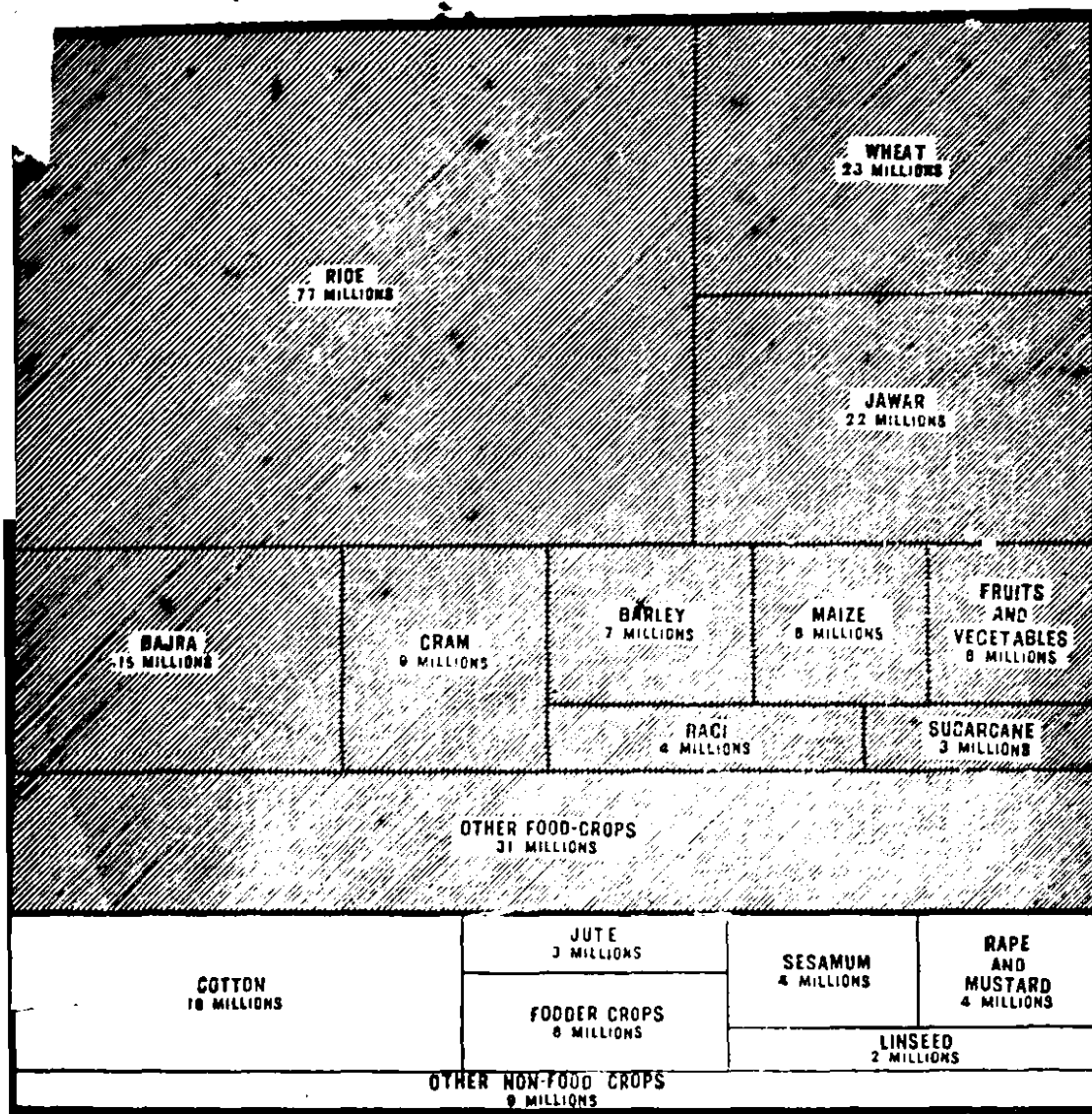
FORTNIGHTLY.

- Prices of Cereals, Pulses, Oilseeds, Sugar (Raw), salt, etc., in India
(1a.)
Prices of Wheat in India from the second half of July 1914.

1. Total area cropped in 1913-14.

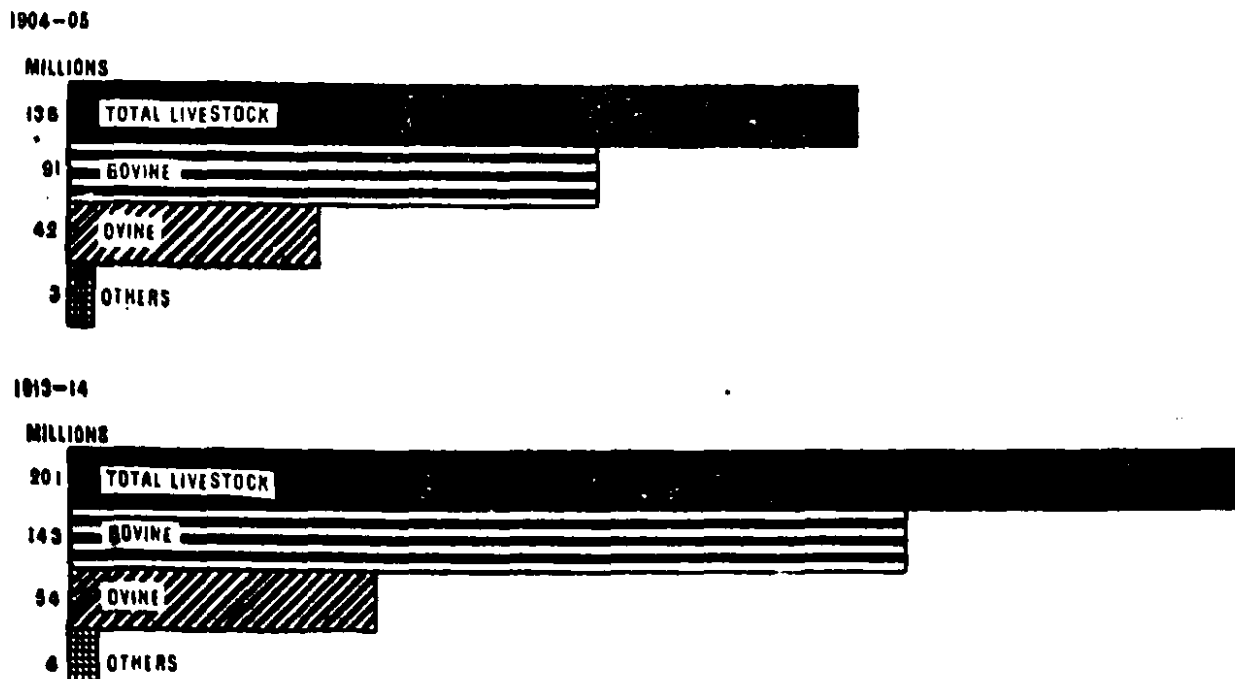
Total Area cropped (the whole square)
 Area under food crops (shaded)
 Area under non-food crops (white)

247 million acres.
 203 million acres.
 44 million acres.



NOTE.—“Other food crops” are minor food-grains, condiments and spices, and miscellaneous food crops.
 “Other non-food crops” are oilseeds other than sesamum, linseed, rape and mustard; fibres other than cotton and jute; dyes; drugs and narcotics; and miscellaneous non-food crops.

2. Total livestock, divided between bovine, ovine and others in 1913-14, as compared with the year 1904-05.



NOTE.—“Bovine” includes bulls and bullocks, cows, buffaloes, calves, and buffalo calves.
 “Ovine” includes sheep and goats.
 “Others” include horses and ponies, mules, donkeys, and camels.

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1916

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APPENDIX A

Average yield in pounds per acre of the principal cultivated crops, revised with reference to the results of experiments made up to the year 1911-12.

A provisional return of the yield of the principal crops cultivated in India was first compiled in 1892, from various statistical publications, such as, agricultural and settlement reports, crop forecasts, gazetteers, replies to the enquiries of the Famine Commission, etc., and to provide for the periodical revision of the estimates a system of experimental crop outtings was prescribed by the Government of India, the results of which were to be reported in quinquennial returns.

The instructions for the preparation of these returns are that the estimate given should be that of the average outturn on average soil in a year of average character as deduced from a consideration of the information obtained or experiments made during the years under review; so that when multiplied by the average area cropped, it may give as near an approximation as possible to the outturn of the crop in an average year. The Agricultural Department of each Province has at its disposal a provisional estimate of the average yield of land of average quality (under the two major heads of irrigated and unirrigated land) for the several crops in each district. The object of the experiments annually made is to test the accuracy of these estimates, and to enable the head of the Agricultural Department in each province to revise his provincial estimates when necessary. Should it happen that the period has been one of unfavourable conditions which have affected the experiments reported, this would not necessarily involve the reduction of the standard estimates for the district or for the province, unless there were other reasons for thinking that, as estimates of yield in average years, they had been pitched too high.

As a result of the experiments made during the preceding quinquennium (1901-02 to 1906-07), considerable modification of the standard averages for several of the crops was made in all the provinces except Bombay and Bengal. Some three or four provinces have made a few revisions of this character on the results of the experiments conducted in the quinquennium 1907-08 to 1911-12; but, on the whole, the distrust in the results of the experiments as conducted by the district staff, to which expression was given by Bombay and Bengal on the last occasion, is growing. In the Bombay Presidency a system of more scientifically conducted experiments by officers of the Agricultural Department has been substituted for the system of experiments conducted by the district staff. In the Punjab and Sind the estimates framed by settlement officers at the time of revenue settlement have been preferred where those are available, while in certain other provinces the figures of the settlement officers have been freely referred to in checking the averages. In Bengal and Bihar and Orissa, though no change has been made in the system, the results of experiments made during the last twenty years have not been considered sufficiently reliable to justify any material change in the provisional estimates framed in 1892. In Burma the system has been condemned; but the provincial authorities do not consider any change feasible for the present. [Instructions have since been issued by the Government of India for improving these returns and employing the agency of the Agricultural Department for the investigation of average crop outturns as far as possible, in all provinces.]

The leading features in the different provinces are stated in the following paragraphs:—

Bengal.—Owing to the administrative changes of 1912, by which Bihar and Orissa have been formed into a separate province, certain crops, which are important in that area but hardly grown at all in Bengal as now constituted, have been omitted from the present report. The results of the experiments made in the quinquennium under review do not warrant any general conclusions as to the average yields of the various crops, nor do they, except in the case of rice, sugarcane, and jute, afford grounds for modifying the provisional estimates hitherto adopted by the Agricultural Department (which are practically a reproduction of the estimates of 1892). The average yield of winter rice has been reduced from 1,234 lbs to 983 lbs; on the other hand, the yield of sugarcane has been raised from 2,460 lbs to 2,905 lbs and that of jute from 1,200 lbs (3 bales) to 1,271 lbs (3·1 bales). In the consolidated tables for British India, the provisional estimates therefore continue to appear with these modifications in the statement of provincial averages, but in the detailed table the average outturn based upon the experiments of the quinquennial period under review is shown for each district.

Madras.—The experiments accepted as unobjectionable during the quinquennium were 3,885 in number as against 3,348 in the previous quinquennium. The average assessment of the plots of land selected for experiment is in excess of the average assessment of the province; in many cases, therefore, the land selected is apparently superior to average class of land. The yield of the majority of crops has been raised, especially in the case of cotton and irrigated jawar: the yield of irrigated cotton has been raised from 66 lbs to 87 lbs and of unirrigated cotton from 44 lbs to 55 lbs., and of irrigated jawar from 1,118 lbs to 1,379 lbs. The only decreases relate to sesamum and unirrigated rice. The reported yield of paddy (unhusked rice) has been reduced by 38 per cent to obtain the yield of rice (husked).

Bombay.—The estimates of 1897 were prepared with great care and the results of the experiments made in the two quinquennia ending 1901-02 and 1906-07 were not considered sufficiently reliable to justify any revision. With the sanction of the Government of India, the system of crop cutting experiments conducted by the district staff was abolished in the quinquennium under review, and a system of more scientifically conducted experiments on Government farms by the officers of the Agricultural Department was substituted. But the results as yet obtained from the experiments on Government farms are too meagre to justify a general revision of the estimates. A few changes considered to be necessary by the Provincial Director have, however, been made with great caution in the figures for certain districts.

Sind.—In many cases figures taken from the previous report have been repeated, while in several instances figures have been taken from the settlement reports. Of the experiments selected as giving results typical of an average crop during the present quinquennium three were on wheat, one on jawar, two on bajra, one on gram, and one on cotton. As a result, the provincial average has been raised in the case of wheat, jawar, bajra, gram, rapeseed and cotton, while it has been reduced in the case of sesamum; the most important changes being the increase of the average yield of cotton from 308 lbs to 380 lbs, and that of bajra from 776 lbs to 971 lbs.

United Provinces.—The experiments made during the quinquennium under review have not necessitated any change in the provincial averages except for rice and maize. The yield of rice has been raised from 850 lbs to 900 lbs and that of maize from 1,050 lbs to 1,100 lbs.

Bihar and Orissa.—The present return relates to the province of Bihar and Orissa as constituted in 1912. Owing to carelessness in the selection of representative fields and to various other defects in the conduct of the experiments made in the quinquennium under review, the results arrived at do not afford any reliable information or justify any modification of the provisional estimates previously adopted by the Agricultural Department of the old province of Bengal on the basis of the estimates of 1892. In the consolidated tables for British India, these unrevised provisional estimates have therefore been retained in the statement of provincial averages, but in the detailed statement of district figures the average outturn based upon the experiments conducted during the quinquennium under review has been shown for each district, irrigated and unirrigated crops being classified separately.

Punjab.—The revisions of 1902 and 1907 were made on the basis of very unscientifically selected and inadequately supervised experiments carried out by the district staff without reference to the very careful estimates framed by the settlement officers at the time of revenue settlement. The present revision has been made in consultation with settlement officers in the case of districts of which the settlement is in the early stages, while in other cases the average yield has been worked out mainly from the areas and yields given in the assessment reports, and where the results differed materially from the yields fixed in 1907 without any change in agricultural conditions having taken place, the settlement officers' estimates have been preferred. There is no doubt that the yields now fixed, based as they are on the over-cautious estimates of settlement officers, are too low, but they are at any rate placed on a uniform basis. The result of the revision is a reduction of the yields of all the crops except rapeseed and sugarcane the averages for which have been raised. The most important changes are the reduction of the yield of bajra from 462 lbs to 379 lbs and of that of gram from 701 lbs to 549 lbs, and the increase of the yield of rapeseed from 254 lbs to 396 lbs.

Burma.—The number of experiments made in the quinquennium ending 1911-12 was on the whole larger than in the previous quinquennium, and, as in the past, the majority of the experiments were conducted by sub-divisional and township officers. The Provincial Director of Agriculture remarks that this arrangement is far from satisfactory, that the improvement of the system was considered, but that no change appears to be feasible for the present. In order to show the main product only, the following deductions have been made from the gross outturn of the crops, namely, for rice and jawar 33 per cent, and for cotton 70 per cent. The estimates of average outturn of rice, wheat, jawar, and gram have been lowered while those of cotton and sesamum have been raised. The figures for the pea crop now discriminate between *Pegyi* (*Dolichos lablab*) and *Pegya* (*Phaseolus lunatus*) which are the most important varieties exported.

Central Provinces and Berar.—Experiments have been selected with greater care in the present quinquennium than in the past, and due attention has been given to seasonal peculiarities and to classes of soil. The average yield has been raised in the case of rice, jawar, gram, linseed, and sugarcane, and lowered in the case of sesamum and cotton. In order to show the yield of the main product a deduction of 33 per cent has been made in the case of rice and of 70 per cent in the case of cotton.

Assam.—In the previous quinquennium figures for Assam were not shown separately, but they were combined with those for the districts of Eastern Bengal to give the average for the province of Eastern Bengal and Assam. The present return has been prepared for the province of Assam since its re-constitution on 1st April 1912. Detailed figures for each district are not available except for winter rice, rape and mustard, sugarcane, and cotton; these show a general increase over the previous estimates. In the case of cotton a deduction varying between 50 and 60 per cent has been made to obtain the yield of cleaned cotton. In almost all districts the number of experiments conducted during the period under review fell short of that made in any of the previous periods. The results, however, are stated to have been generally

reliable and to have tallied for the most part with the estimates made by settlement officers in some of the districts where important settlement operations were in progress.

North-West Frontier Province.—In the five years under review experiments were made by the district staff in only two districts, and the figures for those districts have been checked and modified where necessary on the basis of those experiments. For the other districts the averages previously adopted on the basis of estimates framed by settlement officers have been repeated. The Provincial averages have been raised slightly for all the crops except maize for which the figure has been reduced from 1,342 lbs to 1,292 lbs.

Ajmer-Merwara.—The figures reported appear to be merely averages of the results of the experiments conducted during the five years of the period without any consideration as to whether any of those years was of an average character or not. The yield of barley, maize, and cotton has been raised and that of jawar lowered, the most important change being the reduction of the yield of jawar from 424 lbs to 137 lbs. A reduction of 70 per cent has been made, as before, to obtain the yield of cleaned cotton.

Coorg.—The only experiments made have as usual been on rice. The average yield has been lowered from 1,507 lbs to 1,483 lbs, which is still very high in comparison with the reported yield of other provinces, but is ascribed partly to increased attention being paid to rice cultivation since the decline of the coffee industry and partly to the rice lands of Coorg being watered by hill streams which contain much manurial matter. [From experiments since made the average outturn comes to 1,316 lbs.]

Mysore.—The rainfall in the quinquennium under review is stated to have been generally erratic. The average yield of rice has been reduced from 879 lbs to 841 lbs, of sesamum from 215 lbs to 199 lbs, of sugarcane from 3,279 lbs to 3,138 lbs and of cotton from 89 lbs to 79 lbs, while that of ragi has been raised from 562 lbs to 581 lbs, and of horse gram from 229 lbs to 257 lbs.

APPENDIX A—continued

No. 1.—AVERAGE OUTTURNS (TB PER ACRE) OF PRINCIPAL CROPS IN EACH PROVINCE OF BRITISH INDIA AND IN MYSORE REVISED WITH REFERENCE TO CROP EXPERIMENTS MADE UP TO THE YEAR 1911-12

PROVINCE		Rice (husked)	Wheat	Barley	Jawar	Bajra	Ragi	Maize	Peas
Bengal	{ Irrigated Unirrigated }	{ (a) 988 (b) 1,104 (c) 807 }	861	...	...	...	...	...	...
Madras	{ Irrigated Unirrigated }	{ 1,193 887 }	...	...	{ 1,379 731 }	{ 1,020 659 }	{ 1,419 1,075 }	...	...
Bombay	{ Irrigated Unirrigated Both }	{ ... 1,230 ... }	{ 1,250 510 575 }	...	{ 1,550 670 ...	{ ... 400 ...	{ 1,406 1,066...	...	...
Sind	Irrigated	...	1,340	1,076	1,396	971	...	...	...
United Provinces	{ Irrigated Unirrigated Both }	{ 1,100 850 900 }	{ 1,250 850 1,050 }	{ 1,300 900 1,100 }	{ ... 650 ...	{ ... 550 ...	{	{ ... 1,100 ...	{ 1,150 600 1,000 }
Bihar and Orissa*	{ Irrigated Unirrigated }	{ (a) 1,234 (b) 800 (c) 800 }	{ (d) 981 (e) 451 }	881	...	...	820	820	...
Punjab	{ Irrigated Unirrigated Both }	{ 782 474 688 }	{ 898 555 726 }	{ 1,018 592 718 }	{ 438 381 408 }	{ 521 365 379 }	{	{ 1,112 768 908 }	{
Upper Burma	{ Irrigated Unirrigated Both }	{ 1,094 891 997 }	{ ... 322 ...	{	{ ... 264 ...	{	{	{	{ (f) 478 (g) 855 }
Lower Burma	Unirrigated	1,140	...	...	...	...	...	...	...
Central Provinces and Berar	{ Irrigated Unirrigated Both }	{ ... 624 ...	{ ... 600 ...	{	{ ... 664 ...	{	{	{	{
Assam	Unirrigated	{ (a) 1,008 (c) 672 }	...	...	...	...	...	...	...
North-West Frontier	{ Irrigated Unirrigated Both }	{ 1,205	{ 874 559 633 }	{ 1,189 736 876 }	{ ... 436 ...	{ 704 489 502 }	{	{ 1,356 785 1,292 }	{
Ajmer-Merwara	{ Irrigated Unirrigated Both }	{	{	{ 1,248 550 1,168 }	{ ... 137 ...	{	{	{ 946 895 868 }	{
Coorg	Unirrigated	1,488	...	...	...	...	...	...	...
Average for British India		1,005	814	877	904	566	1,147	986	833
Mysore	{ Irrigated Unirrigated }	{ 841 ... }	{	{	{	{	{ ... 581 ...	{	{

NOTE.—The average yield of both irrigated and unirrigated land is ascertained by multiplying the yield of irrigated land by the irrigated area cropped, and that of unirrigated land by the unirrigated area cropped, and dividing the sum of these two products by the total area cropped.

* The estimates for Bihar and Orissa are the standards, adopted provisionally by the Agricultural Department of the province, which are partly based on the information collected in 1893. The results of the experiments for the period ending 1911-12, regarded in Appendix A—No. 6, are not considered sufficiently reliable to justify a revision of the provisional estimates.

(a) Winter (b) Spring or Summer (c) Autumn (d) Bihar (e) Chota Nagpur

(f) *Dolichos lablab*

(g) *Phaseolus lunatus*

AVERAGE YIELD OF CROPS
(ALL PROVINCES)

Arhar	Gram	Linseed	Til or jinjili (sesamum)	Rape and mustard	Sugarcane (<i>gair</i>)	Cotton (cleaned)	Jute	Province
...	881	492	...	492	2,905	155	1,271	{ Irrigated Unirrigated } Bengal
...	...	...	373	...	6,701	87	...	Irrigated } Madras Unirrigated
...	...	...	388	...	...	55	...	
...	1,200	...	...	...	6,950	...	...	Irrigated } Bombay Unirrigated Both
...	410	360	400	625	...	100	...	
...	
...	476	...	394	602	4,233	380	...	Irrigated Sind
...	950	...	...	...	2,600	220	...	Irrigated } United Provinces Unirrigated Both
750	800	500	280	600	...	180	...	
...	800	...	...	...	...	160	...	
881	881	492	...	492	2,400	155	1,200	{ Irrigated Unirrigated } Bihar and Orissa
...	625	...	...	498	1,743	126	...	Irrigated } Punjab Unirrigated Both
...	534	...	...	330	1,467	95	...	
...	549	...	...	398	1,686	118	...	
...	414	...	229	...	...	122	...	Irrigated } Upper Burma Unirrigated Both
...	
...	
...	...	...	...	...	...	...	...	Unirrigated Lower Burma
...	532	226	224	...	2,569	86	...	Irrigated } Central Provinces and Unirrigated } Berar Both
...				
...	...	448	448	504	1,904	154	1,200	Unirrigated Assam
...	730	...	...	544	2,430	173	...	Irrigated } North-West Frontier Unirrigated Both
...	449	...	...	411	...	142	...	
...	449	...	...	418	...	160	...	
...	...	...	...	...	...	180	...	Irrigated } Ajmer-Merwara Unirrigated Both
...	...	...	...	...	...	127	...	
...	...	...	...	...	...	170	...	
...	...	...	...	...	...	...	...	Unirrigated Coorg
816	688	360	273	407	2,710	98	1,263	Average for British India
...	257	...	190	...	3,139	79	...	{ Irrigated Unirrigated } Mysore

AVERAGE YIELD OF CROPS
(BENGAL)

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APPENDIX A—continued

No. 2.—AVERAGE YIELD (lb PER ACRE) OF PRINCIPAL CROPS IN EACH DISTRICT OF BENGAL

DISTRICT	WINTER RICE		AUTUMN RICE		SUMMER RICE		Wheat
	Transplanted	Broadcast	Transplanted	Broadcast	Transplanted	Broadcast	
Bardwan	{ Irrigated Unirrigated	1,026 1,083	1,517 ...	1,188 1,109	... 632	......	......
Birbhanra	{ Irrigated Unirrigated	1,385 1,023	... 1,222	... ...	... 218	... ...	1,097 ...
Bankura	{ Irrigated Unirrigated	1,258 ...	1,286 ...	1,061...	......	......	......
Midnapur	{ Irrigated Unirrigated	1,155 818	1,072 801	... 980	... 811	945...	......
Hooghly	{ Irrigated Unirrigated	1,278 1,116	... 935	947 696	... 714	......	......
Howrah	{ Irrigated Unirrigated	... 908	......	......	......	......	......
24 Parganas	{ Irrigated Unirrigated	1,773 1,254	... 1,426	... 1,323	... 1,018	......	......
Nadia	{ Irrigated Unirrigated	... 1,050	... 1,151	... ...	... 901	......	......
Murshidabad	{ Irrigated Unirrigated	1,116 1,058	... ...	... ...	... 819	... ...	... 695
Jessore	{ Irrigated Unirrigated	... 1,068	... 811	... ...	... 941	......	......
Khulna	{ Irrigated Unirrigated	... 1,078	... 1,146	... 900	1,080 716	......	......
Rajshahi	{ Irrigated Unirrigated	... 808	... 994	... ...	... 727	......	......
Dinajpur	{ Irrigated Unirrigated	... 1,087	... 656	... 469	... 911	......	......
Jalpaiguri	{ Irrigated Unirrigated	... 1,070	... ...	... ...	... 709	......	......
Darjeeling	{ Irrigated Unirrigated	1,111 1,101	... 698	... ...	... 666	......	......
Rangpur	{ Irrigated Unirrigated	... 1,002	... 706	... ...	... 976	......	......
Hogra	{ Irrigated Unirrigated	... 1,023	... 713	... ...	... 837	......	......

Barley (a)	Gram	Rape and mustard	Linseed	Sesamum (til)	Potato (a)	Sugarcane (gur)	Cotton (cleaned) (a)	Jute	District
826	14,738	3,372	...	...	Irrigated Unirrigated } Hardwar
...	2,007 5,811	...	...	Irrigated Unirrigated } Birbhum
...	1,677	...	...	Irrigated Unirrigated } Bankura
...	895 1,342	Irrigated Unirrigated } Midnapur
...	15,438	3,573 3,250	...	1,057	Irrigated Unirrigated } Hooghly
...	5,011 1,656	...	898	Irrigated Unirrigated } Howrah
...	3,878	...	1,239	Irrigated Unirrigated } 24 Parganas
1,284	709	...	432	...	...	2,730	...	1,077	Irrigated Unirrigated } Nadia
882	1,626	...	556	...	...	...	...	1,808	Irrigated Unirrigated } Murshidabad
...	...	344	...	...	...	...	...	1,219	Irrigated Unirrigated } Jessore
...	2,468	Irrigated Unirrigated } Khulna
...	1,080	...	1,201	Irrigated Unirrigated } Rajshahi
...	...	461	...	...	...	1,396	...	1,159	Irrigated Unirrigated } Dinajpur
...	...	660	...	...	...	1,000	80	978	Irrigated Unirrigated } Jalpaiguri
...	928 904	Irrigated Unirrigated } Darjeeling
...	...	295	...	...	...	3,587	...	1,216	Irrigated Unirrigated } Rangpur
...	3,616	...	1,072	Irrigated Unirrigated } Bogra

(a) The figures are based on experiments made up to 1906-07

APPENDIX A—continued

No. 2.—AVERAGE YIELD (B PER ACRE) OF PRINCIPAL CROPS IN EACH DISTRICT OF BENGAL—continued

DISTRICT	WINTER RICE		AUTUMN RICE		SUMMER RICE		Wheat
	Trans-planted	Broadcast	Trans-planted	Broadcast	Trans-planted	Broadcast	
Pabna . . . { Irrigated Unirrigated	...	657	...	720	...	...	...
Malda . . . { Irrigated Unirrigated	1,151	1,644	...	846	...	...	566
Dacca . . . { Irrigated Unirrigated	1,619	905	..	718	...	...	517
Maimensingh . { Irrigated Unirrigated	1,123	1,001	...	748	1,174	1,469	...
Faridpur . . . { Irrigated Unirrigated	...	887	...	975	...	...	...
Bakerganj . . . { Irrigated Unirrigated	889	...	590	709	...	...	...
Chittagong . . { Irrigated Unirrigated	1,154	1,388	1,130	846	1,250	844	...
Tipperr . . . { Irrigated Unirrigated	910	1,029	...	946	...	...	...
Noakhali . . . { Irrigated Unirrigated	849	943	...	642	...	...	...
Chittagong Hill Tracts. { Irrigated Unirrigated	1,900	...	1,018	1,000	...	...	...
Average for the Province. { Irrigated Unirrigated	1,260 1,092	1,292 986	1,064 906	649 813	945 1,212	... 1,156	1,097 592

NOTE.—The provincial average is the sum of the District figures divided by the number of districts

Barley (a)	Gram	Rape and mustard	Linseed	Sesamum (til)	Potato (u)	Sugar- cane (gur)	Cotton (cleaned) (a)	Jute	District
...	...	... 690	...	... 679	...	...	...	... 1,181	Irrigated Unirrigated : } Pabna
...	... 330	... 625	... 250	...	...	...	...	... 848	Irrigated Unirrigated : } Makhla
...	... 1,008	... 876	... 140	... 679	...	...	...	... 1,394	Irrigated Unirrigated : } Dacca
...	...	... 377	...	... 470	...	... 2,784	...	... 1,325	Irrigated Unirrigated : } Maimensingh
...	...	... 295	...	...	...	... 2,966	...	... 1,719	Irrigated Unirrigated : } Faridpur
...	...	...	...	...	...	... 871	...	... 804	Irrigated Unirrigated : } Bakarganj
...	...	...	...	...	...	... 4,000	...	...	Irrigated Unirrigated : } Chittagong
...	...	...	...	...	...	...	...	... 1,207	Irrigated Unirrigated : } Tippera
...	...	... 200	...	... 237	...	...	...	...	Irrigated Unirrigated : } Noakhali
...	...	... 540	...	...	...	...	... 128	...	Irrigated Unirrigated : } Chittagong Hill Tracts
... 980	... 917	... 478	... 316	... 616	15,100 ...	3,268 2,712	... 104	911 1,229	Irrigated Unirrigated : } Average for the Province.

(a) The figures are based on experiments made up to 1925-27

AVERAGE YIELD OF CROPS
(MADRAS)

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APPENDIX A—continued

No. 3.—AVERAGE YIELD (LB PER ACRE) OF PRINCIPAL CROPS IN EACH DISTRICT OF MADRAS

District	Rice (husked) (a)	Jawar	Bajra	Ragi	Til or jinjili (sesamum)	Sugarcane (gr)	Cotton (cleaned)
Ganjam { Irrigated	1,087	...	...	1,169	305	5,376	...
Ganjam { Unirrigated	...	...	684	714	248	...	...
Vizagapatam { Irrigated	1,269	...	995	1,262	481	7,231	...
Vizagapatam { Unirrigated	...	...	878	996	401	...	...
Godavari { Irrigated	1,022	...	...	740	343	7,139	...
Godavari { Unirrigated	...	989	589	841	136	...	...
Kistna { Irrigated	1,090	1,209	...	1,214	449	4,396	...
Kistna { Unirrigated	...	818	616	1,110	228	...	113
Guntur { Irrigated	1,339	...	1,487	1,882	...	...	...
Guntur { Unirrigated	...	720	713	1,543	...	...	70
Nellore { Irrigated	1,067	1,533	1,817	1,697	274	...	...
Nellore { Unirrigated	...	617	986	1,232	182	...	20
Karnul { Irrigated	1,223	...	...	1,669	...	5,241	...
Karnul { Unirrigated	...	591	516	752	167	...	49
Bellary { Irrigated	1,187	...	...	1,042	...	7,185	...
Bellary { Unirrigated	...	486	471	447	232	...	52
Anantapur { Irrigated	1,286	1,391	...	1,365	...	6,067	...
Anantapur { Unirrigated	...	689	477	1,085	140	...	39
Cuddapah { Irrigated	1,437	...	...	1,625	...	7,403	35
Cuddapah { Unirrigated	...	661	526	1,743	...	...	36
North Arcot { Irrigated	1,368	1,688	1,183	1,429	494	6,789	...
North Arcot { Unirrigated	...	932	667	1,038	433	...	...
Chingleput { Irrigated	1,078	...	913	1,176	266	...	...
Chingleput { Unirrigated	...	...	698	805	228	...	...
South Arcot { Irrigated	1,301	...	...	1,516	425	5,240	...
South Arcot { Unirrigated	...	...	698	1,040	340	...	...
Salem { Irrigated	1,511	1,341	623	1,414	482	8,435	...
Salem { Unirrigated	...	843	779	970	260	...	18
Coimbatore { Irrigated	1,438	1,216	1,026	1,629	385	8,638	...
Coimbatore { Unirrigated	...	1,180	594	1,652	380	...	67
Trichinopoly { Irrigated	1,452	853	559	1,194	270	3,436	...
Trichinopoly { Unirrigated	...	613	522	868	213	...	40
Tanjore { Irrigated	931	...	660	1,092	259	...	...
Tanjore { Unirrigated	...	...	780	592	270	...	...
Madura { Irrigated	1,552	1,011	...	1,026	474	...	...
Madura { Unirrigated	...	908	449	1,109	232	...	71
Ramnad (b) { Irrigated	1,232	...	...	2,835	...	...	...
Ramnad (b) { Unirrigated	...	...	...	...	...	...	53
Tinnevely { Irrigated	1,526	1,643	585	1,523	441	...	97
Tinnevely { Unirrigated	...	1,065	461	1,196	298	...	82
Nilgiris { Irrigated	...	...	...	...	...	...	...
Nilgiris { Unirrigated	1,335	...	...	962	...	...	...
Malabar { Irrigated	970	...	...	...	143	...	...
Malabar { Unirrigated	763	...	...	1,356	143	...	...
South Canara { Irrigated	916	...	...	...	...	...	...
South Canara { Unirrigated	1,014	...	...	...	...	...	...
Average for the Pro-vice.							
Average for the Pro-vice { Irrigated	1,193	1,379	1,020	1,419	373	6,701	87
Average for the Pro-vice { Unirrigated	887	721	659	1,075	238	...	65

(a) The yield reported in unhusked rice has been reduced by 38 per cent
(b) The figures relate to 1910-11 only

APPENDIX A—continued

No. 4

APPENDIX A—continued

No. 4.—AVERAGE YIELD (LB PER ACRE) OF PRINCIPAL CROPS IN EACH DISTRICT OF BOMBAY

District	Rice (husked)	Wheat	Jawar	Bajra	Ragi	Maize	Gram	Linseed
Ahmadabad	{ Irrigated Unirrigated	1,440	1,300 560	(a)1,080	840	1,440	500	350
Kaira	{ Irrigated Unirrigated	1,320	1,300 600	(a)1,050	970	1,440	500	...
Panch Mahals	{ Irrigated Unirrigated	1,200	1,300 700	(a)1,120	825	1,420	600	360
Broach	{ Irrigated Unirrigated	900	600	{ (a)1,160 (b)1,020 }	700	1,500	500	...
Surat	{ Irrigated Unirrigated	1,560	560	(a)760	800	1,200	500	...
West Khandesh	{ Irrigated Unirrigated	1,080	1,280 600	(a)720	450	900	1,200 500	360
East Khandesh	{ Irrigated Unirrigated	1,080	1,280 600	(a)720	380	900	1,200 500	360
Nasik	{ Irrigated Unirrigated	1,080	1,320 460	(b)1,400 520	360	1,400 850	1,200 350	360
Ahmadnagar	{ Irrigated Unirrigated	1,040	1,360 460	(b)1,800 (b)540	340	1,400 900	1,200 380	360
Poona	{ Irrigated Unirrigated	1,120	1,060 350	(b)1,500 500	340	900	1,200 320	360
Sholapur	{ Irrigated Unirrigated	900	1,080 400	(b)1,500 (b)540	320	...	1,200 360	360
Satara	{ Irrigated Unirrigated	1,120	1,350 480	(b)1,500 720	360	900	1,300 380	360
Belgaum	{ Irrigated Unirrigated	1,140	1,200 560	800	400	900	400	360
Bijapur	{ Irrigated Unirrigated	800	1,080 400	540	320	...	340	360
Dharwar	{ Irrigated Unirrigated	1,140	500	1,000	450	1,200	500	360
Tanna	Unirrigated	1,200	...	...	...	770	400	...
Koldba	"	1,320	...	...	...	800	380	...
Rainagiri	"	1,020	...	...	...	680	320	...
Kanara	"	1,320	...	...	...	1,470	480	...
Average for the Province	{ Irrigated Unirrigated Both	1,330	1,350 510 575	1,550 670	400	1,400 1,060	1,200 410	360

(a) Kharif

(b) Rabi

AVERAGE YIELD OF CROPS
(BOMBAY)

Seamum (til or jinjili)	Sugarcane (gár)	Cotton (cleaned)	Rape and mustard	Spelt	Kodra	Groundnut	DISTRICT
400	6,000	125	640	...	1,320	...	Irrigated } Unirrigated } Ahmedabad
400	6,000	115	675	...	1,275	...	Irrigated } Unirrigated } Kaira
400	5,000	100	600	...	1,130	...	Irrigated } Unirrigated } Panch Mahals
450	7,000	130	...	...	1,025	...	Irrigated } Unirrigated } Broach
400	7,000	120	...	...	1,120	3,000	Irrigated } Unirrigated } Surat
400	7,000	100	...	1,500	900	3,000	Irrigated } Unirrigated } West Khandesh
400	7,000	80	...	1,500	900	3,000	Irrigated } Unirrigated } East Khandesh
400	7,000	80	...	1,500	...	3,000	Irrigated } Unirrigated } Nadi
400	7,000	80	...	1,500	...	3,000	Irrigated } Unirrigated } Ahmadnagar
400	7,000	90	...	1,500	...	3,000	Irrigated } Unirrigated } Poona
400	7,000	90	...	1,500	...	3,000	Irrigated } Unirrigated } Sholapur
400	7,000	90	...	1,500	...	3,000	Irrigated } Unirrigated } Satara
400	7,000	100	...	1,500	...	3,000	Irrigated } Unirrigated } Belgaum
400	7,000	90	...	1,500	...	3,000	Irrigated } Unirrigated } Bijapur
400	7,000	120	...	1,500	...	3,000	Irrigated } Unirrigated } Dharwar
400	7,000	...	...	...	640	...	Irrigated } Unirrigated } Tanore
400	4,000	...	...	...	800	...	Irrigated } Unirrigated } Kolaba
400	4,000	...	...	...	675	...	Irrigated } Unirrigated } Ratnagiri
...	7,000	...	...	...	...	...	Irrigated } Unirrigated } Kanara
400	6,950	100	625	1,500	1,100	3,000	Irrigated } Unirrigated } Average for the Province, Both

APPENDIX A—continued

No. 4.—AVERAGE YIELD (lb PER ACRE) OF PRINCIPAL CROPS IN EACH DISTRICT OF THE UNITED PROVINCES OF AGRA AND OUDH

District *			Rice (husked)	Wheat	Barley	Jawar	Bajra	Maize	Gram
Almora .	Nafni Tal	Irrigated .	1,600	1,250	...	...	...	...	...
			Almora	1,400	1,000	...	...	...	...
	Garhwál	Unirrigated .	1,400	1,000	...	...	...	...
			Dehra-Dún						
Moradabad	Moradabad	Irrigated .	1,050	1,250	1,300	...	...	...	1,000
			Baháranpur	800	800	1,000	650	500	1,000	750
	Bijnor	Unirrigated .	800	800	1,000	650	500	1,000	750
			Baréli						
Muzaffarnagar	Muzaffarnagar	Irrigated .	1,000	1,300	1,500	...	...	...	1,000
	Moerut	Unirrigated .	800	850	1,000	700	450	1,200	800
Baladshahr	Baladshahr	Irrigated .	1,000	1,300	1,500	...	...	...	1,000
	Aligarh	Unirrigated .	700	900	1,000	650	650	1,200	800
Mainpuri	Mainpuri	Irrigated .	950	1,250	1,300	...	...	...	1,000
			Etáh	600	700	800	650	500	1,200	700
	Etawáh	Unirrigated .	600	700	800	650	500	1,200	700
			Farakhabad						
Muttra	Muttra	Irrigated .	850	1,300	1,400	...	...	...	1,000
	Agra	Unirrigated .	550	700	750	650	650	800	700
Budaun .	Budaun	Irrigated .	950	1,250	1,250	...	...	...	1,000
	Shahjahanpur	Unirrigated .	750	800	1,000	650	550	1,200	800
Sitapur .	Sitapur .	Irrigated .	1,000	1,250	1,300	...	...	...	950
	Hardoi	Unirrigated .	800	900	1,100	650	550	1,200	900
Bahraich	Bahraich	Irrigated .	1,050	1,300	1,300	...	...	...	1,000
	Pilibit	Unirrigated .	900	1,050	1,100	600	550	1,300	950
	Kheri								

* The districts are grouped into agricultural regions, and the determinations made in the representative district of each region are applied to the whole of that region

AVERAGE YIELD OF CROPS
(UNITED PROVINCES)
(S)

Pans	Arhar	Linseed	Sesamum (til or jinjili)	Rape and mustard	Sugarcane (guir)	Cotton (cleaned)	Indigo (dye)	DISTRICT		
...	Irrigated	{ Naini Tal	} Almorah
...	Unirrigated	{ Almora Chwāl Deh. Dda	
750	2,450	...	18	Irrigated	{ Moradabad	} Moradabad
500	...	400	320	430	...	120	...	Unirrigated	{ Sahāraupur Bijnor Bareilly	
800	2,900	200	19	Irrigated	{ Musaffarnagar	} Musaffarnagar
550	350	490	...	140	...	Unirrigated	{ Meerut	
1,000	2,500	200	19	Irrigated	{ Bulandshahr	} Bulandshahr
650	350	490	...	130	...	Unirrigated	{ Aligarh	
800	2,200	230	15	Irrigated	{ Mainpuri	} Mainpuri
550	410	...	...	160	...	Unirrigated	{ Etāh Etawāh Farukhabad	
650	2,000	230	15	Irrigated	{ Muttra	} Muttra
400	410	...	...	150	...	Unirrigated	{ Agra	
650	2,400	...	18	Irrigated	{ Budaun	} Budaun
400	...	400	320	430	...	120	...	Unirrigated	{ Shahjahanpur	
1,000	3,700	Irrigated	{ Sitapur	} Sitapur
650	550	500	300	570	...	110	...	Unirrigated	{ Hardoi	
850	2,000	Irrigated	{ Bahraich	} Bahraich
600	810	500	330	700	...	110	...	Unirrigated	{ Pillbit Kheri	

THE YIELD OF CROPS
THE UNITED PROVINCES)

APPENDIX *continued*

4.—AVERAGE YIELD (TBS PER ACRE) OF PRINCIPAL CROPS IN EACH DISTRICT OF THE UNITED PROVINCES OF AGRA AND OUDH—*continued*

DISTRICT		Percentage (Irrigated)	Wheat	Barley	Jawar	Bajra	Maize	Gram						
Agra	Unao	Irrigated	1,000	1,250	1,400	1,000						
	Lucknow													
Agra	Rae-Bareilly	Unirrigated	800	600	700	650	600	1,100						
Kanpur	Bulandshahr	Irrigated	1,100	1,250	1,500	1,000						
	Barabanki													
	Partabgarh													
Kanpur	Fyzabad	Unirrigated	800	650	800	650	650	1,100						
Kanpur	Fatehpur	Irrigated	1,050	1,250	1,300	1,000						
	Cawnpore													
	Alahabad													
Kanpur		Unirrigated	800	600	700	650	550	1,000						
Kanpur	Benares	Irrigated	1,000	1,100	1,300	800						
	Jaunpur													
	Mirzapur													
Kanpur		Unirrigated	700	600	800	650	500	1,000						
Kanpur	Ballia	Irrigated	1,200	1,250	1,250	950						
	Ghazipur													
	Azamgarh													
Kanpur		Unirrigated	900	750	800	650	700	1,100						
Kanpur	Basti	Irrigated	1,050	1,250	1,300	900						
	Gonda													
	Gorakhpur													
Kanpur		Unirrigated	900	800	750	650	400	1,000						
Kanpur	Jhansi	Irrigated	800	1,000	1,000	700						
	Jaloun													
Kanpur		Unirrigated	650	650	500	550	400	650						
Kanpur	Banda	Irrigated	800	800	1,000	800						
	Hamirpur													
Kanpur		Unirrigated	700	500	500	650	400	650						
Average for the Province		Irrigated	1,100	1,250	1,300	950						
									Unirrigated	850	900	650	550	1,100

AVERAGE YIELD OF CROPS
(UNITED PROVINCES)

Peas	Arhar	Linseed	Sesamum (til or jiojili)	Rape and mustard	Sugarcane (gur)	Cotton (cleaned)	Indigo (dye)	DISTRICT	
1,150	...	...	...	...	2,600	...	...	Irrigated	Unao Lucknow Rae-Bareilly
650	700	400	300	490	...	110	...	Unirrigated	
1,200	...	...	...	...	2,600	...	20	Irrigated	Sultanpur Barabanki Partabgarh Fyzabad
650	850	500	390	...	...	110	...	Unirrigated	
800	...	...	...	...	2,150	...	17	Irrigated	
550	550	400	320	...	...	190	...	Unirrigated	Fatehpur Cawnpore Allahabad
1,200	...	...	...	...	2,600	...	19	Irrigated	Benares Jaunpur Mirzapur
550	700	500	280	...	...	100	...	Unirrigated	
1,200	...	...	...	...	3,200	...	19	Irrigated	Ballia Ghazipur Azamgarh
650	900	650	380	660	...	100	...	Unirrigated	
1,200	...	...	...	...	2,500	...	19	Irrigated	Basti Gonda Gorakhpur
600	650	500	280	570	...	100	...	Unirrigated	
...	...	...	...	...	1,500	...	...	Irrigated	Jhansi Jalaun
..	-	400	280	...	...	120	...	Unirrigated	
...	...	...	...	...	1,500	...	...	Irrigated	Banda Hamirpur
...	500	500	380	...	...	120	...	Unirrigated	
1,150	...	...	...	...	2,600	220	18	Irrigated	Average for the Province
600	750	500	280	600	...	130	...	Unirrigated	
1,000	160	...	Both	

AVERAGE YIELD OF CROPS
(BIHAR AND ORISSA)

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APPENDIX A—continued

No. 6.—AVERAGE YIELD (IN PER ACRE) OF PRINCIPAL CROPS IN EACH DISTRICT OF BIHAR AND ORISSA

DISTRICT	WINTER RICE		AUTUMN RICE		SUMMER RICE		Wheat	Barley	Maize	
	Transplanted	Broadcast	Transplanted	Broadcast	Transplanted	Broadcast				
Patna	Irrigated	742	343	...	...	...	...	970	714	549
	Unirrigated	661	394	...	...	...	...	667	442	405
Gaya	Irrigated	924	1,049	...	...	...	...	912	470	...
	Unirrigated	786	...	...	...	...	...	520	480	577
Shahabad	Irrigated	744	573	...	...	...	...	698	716	...
	Unirrigated	784	594	...	...	...	...	663	188	...
Saran	Irrigated	424	414	...	...	...	...	679	912	831
	Unirrigated	513	681	...	...	...	...	638	583	936
Champaran	Irrigated	...	...	...	...	...	...	...	617	...
	Unirrigated	304	1,087	511	464	...	...	784	702	802
Muzaffarpur	Irrigated	923	...	...	...	...	...	1,002	810	...
	Unirrigated	699	1,304	...	...	...	...	552	674	1,252
Darbhanga	Irrigated	950	...	...	...	...	...	648	453	...
	Unirrigated	502	900	399	...	...	...	521	486	1,108
Monghyr	Irrigated	754	450	694	...	...	...	894	...	...
	Unirrigated	504	...	...	...	246	...	552	312	1,008
Bhagalpur	Irrigated	927	...	...	...	...	...	984	654	868
	Unirrigated	793	951	957	457	...	...	831	699	601
Purnea	Irrigated	...	...	...	...	...	...	...	...	...
	Unirrigated	646	851	1,197	351	...	...	625	1,336	...
Santhal Parganas	Irrigated	1,036	598	...	...	...	...	...	...	...
	Unirrigated	1,031	...	...	...	...	...	1,214	...	730
Cuttack	Irrigated	840	857	...	1,036	707	720	...	...	...
	Unirrigated	682	958	945	732	964	...	...	...	...
Balasore	Irrigated	...	792	...	...	...	...	...	...	...
	Unirrigated	750	786	...	...	...	...	...	...	...
Angul	Irrigated	1,096	1,169	...	...	...	...	...	...	...
	Unirrigated	824	865	...	274	...	...	...	...	559
Puri	Irrigated	1,611	1,066	...	...	...	...	...	...	...
	Unirrigated	823	970	...	...	...	...	...	...	...
Sambalpur	Irrigated	1,221	1,107	...	564	...	...	...	...	...
	Unirrigated	1,038	1,109	921	792	...	...	...	...	...
Hazáribágh	Irrigated	609	489	...	...	...	...	...	...	...
	Unirrigated	615	483	...	414	...	...	...	...	731
Ráncól	Irrigated	1,193	...	...	...	...	...	...	...	...
	Unirrigated	880	893	...	464	...	...	...	...	...
Palámas	Irrigated	936	206	...	...	...	...	682	799	627
	Unirrigated	347	...	...	...	...	...	335	552	525
Mánbhum	Irrigated	1,278	...	...	...	...	...	...	...	...
	Unirrigated	1,288	...	...	463	...	...	...	...	1,470
Singhbhum	Irrigated	978	424	...	424	...	...	...	...	...
	Unirrigated	899	...	...	778	...	...	...	...	...
Average for the Province	Irrigated	956	681	694	675	707	720	852	683	719
	Unirrigated	734	848	822	619	605	...	659	582	854

NOTE.—The provincial average is the sum of the district averages divided by the number of districts

AVERAGE YIELD OF CROPS
(BIHAR AND ORISSA)

Bagi or marca	Kodo	Gram	Arhar	Pear	Masur	Rape and mustard	Linseed	Potato	Sugar- cane (gr)	Cotton (cleaned)	Jute	District
520	...	557	440	560	418	436	87	...	2,304	...	...	Irrigated } Patna
623	...	514	744	554	791	62	64	...	1,581	...	...	Unirrigated }
499	...	726	...	...	...	...	443	...	...	...	...	Irrigated } Gaya
1,015	...	1,005	...	...	...	...	414	...	...	...	...	Unirrigated }
...	...	784	...	...	...	...	...	...	...	...	...	Irrigated } Shahabad
...	...	784	...	...	...	...	...	...	...	...	...	Unirrigated }
722	731	1,029	1,331	645	...	...	...	...	2,895	...	...	Irrigated } Saran
...	644	...	...	...	...	...	...	...	...	Unirrigated }
...	650	...	1,061	...	...	523	1,334	...	2,565	...	...	Irrigated } Champaran
...	4,469	...	...	Unirrigated }
926	Irrigated } Munaffarpur
872	192	...	...	296	...	...	...	84	...	Unirrigated }
1,214	...	265	468	...	...	900	123	...	...	...	...	Irrigated } Darbhanga
871	...	254	655	...	504	471	...	2,064	...	63	...	Unirrigated }
...	Irrigated } Monghyr
...	...	420	854	...	...	...	...	...	...	...	...	Unirrigated }
...	...	961	...	...	...	...	...	...	1,196	...	...	Irrigated } Bhagalpur
694	...	269	1,154	...	...	...	44	...	...	...	...	Unirrigated }
...	Irrigated } Patna
...	...	501	...	...	...	403	...	...	...	...	826	Unirrigated }
...	Irrigated } South Parganae
552	Unirrigated }
...	Irrigated } Cuttack
...	643	Unirrigated }
...	1,114	Irrigated } Balasore
...	Unirrigated }
...	1,196	...	...	Irrigated } Angul
...	353	...	...	1,506	...	...	Unirrigated }
...	Irrigated } Puri
...	1,919	...	...	Unirrigated }
...	Irrigated } Sambalpur
...	2,689	...	...	Unirrigated }
...	5,941	...	...	Irrigated } Hazaribagh
440	Unirrigated }
...	Irrigated } Ranchi
764	161	...	Unirrigated }
...	...	231	...	...	...	197	...	...	...	...	...	Irrigated } Palamu
...	...	329	165	...	...	170	51	...	...	...	...	Unirrigated }
...	1,210	...	...	Irrigated } Manbhum
822	48	...	Unirrigated }
...	Irrigated } Singhbhum
...	514	...	...	...	...	...	...	...	...	Unirrigated }
790	...	587	746	560	418	503	218	...	1,844	...	823	Irrigated } Average for the
738	691	567	665	600	648	311	361	2,084	3,279	65	971	Unirrigated } Province

APPENDIX A—continued

No. 7.—AVERAGE YIELD (Tb PER ACRE) OF PRINCIPAL CROPS IN EACH DISTRICT OF THE PUNJAB

DISTRICT		Rice (husked)	Wheat	Barley	Jawar	Bajra
Hissar	{ Irrigated . . .	598	1,000	1,100	480	460
	{ Unirrigated . . .	...	480	440	840	320
Rohtak	{ Irrigated . . .	650	1,180	1,200	800	470
	{ Unirrigated . . .	...	600	860	520	420
Gurgaon	{ Irrigated . . .	...	1,040	1,340	600	520
	{ Unirrigated . . .	...	570	660	440	340
Karnal	{ Irrigated . . .	566	1,070	1,030	520	500
	{ Unirrigated . . .	370	560	560	330	330
Ambala	{ Irrigated . . .	715	1,060	900	520	520
	{ Unirrigated . . .	468	720	560	350	360
Simla	{ Irrigated . . .	...	600	...	...	...
	{ Unirrigated . . .	...	560	...	...	...
Kangra	{ Irrigated . . .	624	500	460	...	...
	{ Unirrigated . . .	416	460	580	...	...
Hoshiarpur	{ Irrigated . . .	975	840	830	...	530
	{ Unirrigated . . .	585	700	700	...	350
Jalandhar	{ Irrigated . . .	715	1,140	1,100	..	...
	{ Unirrigated . . .	390	720	800	...	...
Ludhiana	{ Irrigated . . .	384	1,160	1,160	570	400
	{ Unirrigated . . .	236	620	520	530	370
Ferozpur	{ Irrigated . . .	566	960	1,060	520	480
	{ Unirrigated . . .	312	520	640	360	320
Multan	{ Irrigated . . .	566	760	720	470	500
	{ Unirrigated . . .	...	530	560	420	420
Jhang	{ Irrigated . . .	...	820	820	560	560
	{ Unirrigated . . .	...	600	600	460	420
Mianwali	{ Irrigated . . .	...	500	520	420	480
	{ Unirrigated . . .	...	480	580	370	420
Lyalpur	{ Irrigated . . .	1,040	1,000	1,000	560	560
	{ Unirrigated . . .	...	480	...	...	...
Montgomery	{ Irrigated . . .	780	760	900	500	500
	{ Unirrigated . . .	748	600	620	400	400
Lahore	{ Irrigated . . .	832	960	1,060	520	560
	{ Unirrigated . . .	838	520	620	320	320
Amritsar	{ Irrigated . . .	1,040	1,050	1,000	...	...
	{ Unirrigated . . .	546	640	540	...	...
Gurdaspur	{ Irrigated . . .	806	1,050	1,000	580	580
	{ Unirrigated . . .	546	720	680	440	510
Sialkot	{ Irrigated . . .	1,010	960	1,000	..	600
	{ Unirrigated . . .	659	600	700	400	500
Gujrat	{ Irrigated . . .	708	900	1,000	540	680
	{ Unirrigated . . .	...	600	700	480	540
Gujranwala	{ Irrigated . . .	1,105	820	800	260	480
	{ Unirrigated . . .	780	460	440	260	340
Shahpur	{ Irrigated . . .	650	840	1,040	430	640
	{ Unirrigated . . .	520	600	720	320	430
Jhelum	{ Irrigated . . .	...	860	1,000	..	780
	{ Unirrigated . . .	538	500	620	...	440
Rawalpindi	{ Irrigated . . .	644	710	810	...	710
	{ Unirrigated . . .	...	480	580	340	380
Attock	{ Irrigated . . .	...	770	940	...	800
	{ Unirrigated . . .	...	380	450	360	350
Dera Ghazi Khan	{ Irrigated . . .	520	700	760	430	420
	{ Unirrigated . . .	507	500	540	210	210
Muzaffargarh	{ Irrigated . . .	650	700	720	430	450
	{ Unirrigated . . .	520	500	520	330	330
Average for the Province	{ Irrigated . . .	762	898	1,018	488	521
	{ Unirrigated . . .	474	555	592	391	365
	{ Both . . .	638	726	716	406	379

AVERAGE YIELD OF CROPS
(PUNJAB)

Maize	Gram	Rapeseed	Sugarcane (gur)	Cotton (cleaned)		DISTRICT
...	680	420	...	136	Irrigated	} Hisar
...	460	370	...	86	Unirrigated	
...	820	500	2,650	174	Irrigated	} Rohtak
...	570	400	1,740	105	Unirrigated	
...	900	600	1,720	140	Irrigated	} Gurgaon
...	610	370	930	116	Unirrigated	
1,120	980	560	2,110	175	Irrigated	} Karnal
840	540	360	1,250	96	Unirrigated	
1,120	980	560	2,110	144	Irrigated	} Ambala
700	640	360	1,340	96	Unirrigated	
...	...	...	...	...	Irrigated	} Simla
...	...	...	...	...	Unirrigated	
720	...	360	...	49	Irrigated	} Kangra
720	400	317	620	48	Unirrigated	
1,860	700	480	2,000	164	Irrigated	} Hoshiarpur
900	580	360	1,600	98	Unirrigated	
1,400	800	...	2,300	192	Irrigated	} Jalandhar
860	720	...	1,600	132	Unirrigated	
1,560	900	730	2,000	166	Irrigated	} Ludhiana
720	480	430	1,400	82	Unirrigated	
1,200	600	500	...	120	Irrigated	} Ferozpur
600	480	400	...	84	Unirrigated	
620	480	270	1,430	96	Irrigated	} Multan
...	420	210	...	66	Unirrigated	
800	500	480	...	107	Irrigated	} Jhang
580	500	240	...	77	Unirrigated	
...	480	330	...	78	Irrigated	} Mianwali
...	430	330	...	72	Unirrigated	
800	600	560	1,500	124	Irrigated	} Lyallpur
...	600	240	...	...	Unirrigated	
720	650	480	...	114	Irrigated	} Montgomery
480	520	400	...	60	Unirrigated	
1,100	580	500	1,700	132	Irrigated	} Lahore
480	560	350	1,000	72	Unirrigated	
1,130	740	580	2,000	147	Irrigated	} Amritsar
870	600	400	1,160	85	Unirrigated	
1,120	580	630	2,300	126	Irrigated	} Gurdaspur
750	570	350	1,520	98	Unirrigated	
1,020	600	450	1,640	135	Irrigated	} Sialkot
720	600	320	1,200	96	Unirrigated	
860	600	480	1,300	144	Irrigated	} Gujrat
620	600	320	...	90	Unirrigated	
840	600	400	1,290	102	Irrigated	} Gujranwala
600	620	360	1,070	76	Unirrigated	
960	600	560	1,600	132	Irrigated	} Sahiwal
480	600	400	...	66	Unirrigated	
1,040	830	420	...	146	Irrigated	} Jhelum
820	570	280	...	61	Unirrigated	
1,270	...	290	...	116	Irrigated	} Rawalpindi
1,000	510	280	...	41	Unirrigated	
1,440	600	480	780	100	Irrigated	} Attock
580	540	240	...	68	Unirrigated	
...	800	310	...	100	Irrigated	} Dera Ghazi Khan
...	440	200	...	62	Unirrigated	
...	310	270	1,200	80	Irrigated	} Muzaffargarh
...	420	200	...	52	Unirrigated	
1,112	625	498	1,748	126	Irrigated	} Average for the Province
766	534	330	1,417	95	Unirrigated	
908	549	396	1,646	118	Both	

APPENDIX A—continued

No. 8.—AVERAGE YIELD (lb PER ACRE) OF PRINCIPAL CROPS IN EACH DISTRICT OF BURMA

DISTRICT		Rice	Wheat	Jawar	Gram	Sesamum (til or jinjili)	Cotton (cleaned)	Peas*	
								Pegyí	Pegya
UPPER BURMA—									
Mandalay	{ Irrigated	1,021	...	...	...	...	...	...	...
	{ Unirrigated	1,005	468	...	485	246	...	803	1,189
Bhamo	{ Irrigated	968	...	...	...	...	...	...	...
	{ Unirrigated	1,015	...	...	...	...	...	...	...
Shwebo	{ Irrigated	1,241	...	...	...	...	...	...	...
	{ Unirrigated	797	586	111	279	248	42	540	792
Myittha	{ Irrigated	1,849	...	...	...	...	...	...	...
	{ Unirrigated	1,201	...	...	...	...	...	...	...
Sagaing	{ Irrigated	783	...	...	...	...	...	...	...
	{ Unirrigated	608	289	234	289	143	154	726	847
Katha	{ Irrigated	1,343	...	...	...	...	...	...	...
	{ Unirrigated	1,043	...	...	...	...	...	...	...
Lower Chindwin	{ Irrigated	777	...	...	...	...	...	...	...
	{ Unirrigated	811	...	420	...	146	...	...	1,063
Upper Chindwin	{ Irrigated	...	...	...	...	...	...	...	...
	{ Unirrigated	1,069	...	...	...	...	...	...	...
Pakókku	{ Irrigated	1,068	...	...	...	...	...	...	...
	{ Unirrigated	887	...	346	1,004	262	...	644	1,080
Thayatmyo	{ Irrigated	1,323	...	...	...	...	...	...	...
	{ Unirrigated	1,074	...	...	...	351	102	...	...
Mlaba	{ Irrigated	1,527	...	...	...	...	...	...	...
	{ Unirrigated	990	665	426	779	526	161	986	1,101
Magwo	{ Irrigated	1,097	...	...	...	...	...	...	...
	{ Unirrigated	754	...	250	...	281	...	...	...
Kyaukse	{ Irrigated	1,040	...	...	...	...	...	...	...
	{ Unirrigated	...	96	...	...	168	...	...	...
Moikilla	{ Irrigated	588	...	...	...	...	...	...	...
	{ Unirrigated	613	...	127	...	146	93	...	212
Yamóthin	{ Irrigated	1,162	...	...	...	...	...	...	...
	{ Unirrigated	876	...	313	313	234	69	486	...
Mingyan	{ Irrigated	706	...	...	...	...	...	...	...
	{ Unirrigated	644	...	253	...	166	77	...	...
Average for the Province	{ Irrigated	1,094	...	...	...	...	...	...	...
	{ Unirrigated	891	323	264	414	229	123	478	855
	{ Both	997	...	...	...	...	...	...	...
LOWER BURMA - (all unirrigated)									
Akyab		1,129	...	...	...	...	...	...	...
Kyaukpyu		853	...	...	...	...	...	...	...
Hanthawaddy		1,075	...	...	...	...	...	...	...
Sandoway		960	...	...	...	...	...	...	...
Pegu		1,113	...	...	...	...	...	...	...
Tharawadi		1,501	...	...	...	...	...	213	...
Prome		1,127	...	...	...	...	...	...	...
Mabin		1,523	...	...	...	...	...	...	...
Pyapon		1,216	...	...	...	...	...	...	...
Bassein		916	...	...	...	...	...	...	...
Henada		1,383	...	...	...	...	...	208	...
Myanungmya		1,331	...	...	...	...	...	...	...
Amherst		874	...	...	...	...	...	...	...
Tavoy		694	...	...	...	...	...	...	...
Monyai		1,016	...	...	...	...	...	...	...
Toungoo		1,591	...	...	...	...	...	...	...
Thaton		837	...	...	...	...	...	...	...
Average for the Province		1,140	...	...	...	...	...	...	...

* Represents beans (*Lotichos lablab* and *Phaseolus lunatus*)

APPENDIX A—continued

No. 9.—AVERAGE YIELD (B PER ACRE) OF PRINCIPAL CROPS IN EACH DISTRICT OF THE CENTRAL PROVINCES AND BERAR

DISTRICT	RICE (WAGKED)		Wheat	Jawar	Gram	Linseed	Til or jinjili (season)	Sugarcane (gals)	Cotton (cleaned)
	Transplanted	Broad-cast							
Saugor	{ Irrigated	...	1,000	...	...	...	...	1,500	...
	{ Unirrigated	560	600	...	...	250	150	1,000	55
Damoh	{ Irrigated	...	...	580	500	...	...	1,000	...
	{ Unirrigated	495	600	...	...	200	150	1,000	55
Jubbulpore	{ Irrigated	...	...	580	480	...	...	1,500	...
	{ Unirrigated	620	495	620	450	680	250	1,000	60
Mandla	{ Irrigated	...	...	...	...	...	...	1,500	...
	{ Unirrigated	650	525	600	350	580	200	...	55
Seoni	{ Irrigated	990	930	...	...	...	...	1,500	...
	{ Unirrigated	650	545	620	450	580	250	...	55
Narsingpur	{ Irrigated	...	...	...	...	...	...	1,500	...
	{ Unirrigated	...	485	660	450	580	280	1,000	70
Hoshangabad	{ Irrigated	...	...	...	...	...	...	1,500	...
	{ Unirrigated	...	485	620	450	520	250	1,000	70
Nimar	{ Irrigated	...	1,000	...	...	...	...	2,500	...
	{ Unirrigated	...	620	640	600	500	200	...	85
Betul	{ Irrigated	...	1,000	...	...	...	...	2,500	...
	{ Unirrigated	...	485	620	500	500	200	...	70
Chhindwara	{ Irrigated	...	1,000	...	...	...	...	2,500	...
	{ Unirrigated	...	485	600	600	500	220	...	100
Wardha	{ Irrigated	...	1,000	...	...	...	...	3,000	...
	{ Unirrigated	...	485	580	700	580	200	...	90
Nagpur	{ Irrigated	990	930	1,000	...	...	...	3,000	...
	{ Unirrigated	650	545	580	600	580	240	...	100
Chanda	{ Irrigated	990	930	...	...	...	...	2,500	...
	{ Unirrigated	650	545	600	650	550	250	...	80
Bhandara	{ Irrigated	990	930	...	...	...	...	1,500	...
	{ Unirrigated	650	545	450	450	400	200	...	45
Balaghāt	{ Irrigated	990	930	...	...	...	...	1,500	...
	{ Unirrigated	650	545	550	350	550	200	...	45
Raipur	{ Irrigated	990	930	...	...	...	...	2,000	...
	{ Unirrigated	620	570	600	350	450	150	1,000	45
Bilaspur	{ Irrigated	990	930	...	...	...	...	2,500	...
	{ Unirrigated	620	570	600	350	450	150	1,000	45
Drug	{ Irrigated	990	930	...	...	...	...	1,500	...
	{ Unirrigated	620	570	600	350	450	150	1,000	45
Average for the Central Provinces	{ Irrigated	...	...	...	...	...	...	...	...
	{ Unirrigated	...	...	...	605	580	214	208	...
	{ Both	626	626	602	...	...	...	2,522	...
Akola	{ Irrigated	...	...	...	...	...	...	2,000	...
	{ Unirrigated	...	485	550	700	550	330	...	90
Amraoti	{ Irrigated	...	...	...	...	...	...	2,000	...
	{ Unirrigated	...	435	580	700	550	330	...	90
Buldana	{ Irrigated	...	1,000	...	...	...	...	2,000	...
	{ Unirrigated	...	485	580	700	550	330	...	85
Yeotmal	{ Irrigated	...	...	...	...	...	...	2,000	...
	{ Unirrigated	...	485	590	700	550	330	...	90
Average for Berar	{ Irrigated	...	...	...	...	...	...	...	...
	{ Unirrigated	...	...	...	710	550	330	...	87
	{ Both	435	435	580	...	...	...	2,000	...
Average for Central Provinces and Berar	{ Irrigated	...	...	...	...	...	...	...	...
	{ Unirrigated	...	...	...	661	572	220	224	...
	{ Both	624	624	600	...	...	...	2,500	...

APPENDIX A—continued

No. 10.—AVERAGE YIELD (lb PER ACRE) OF PRINCIPAL CROPS IN EACH DISTRICT OF ASSAM

DISTRICT	RICE		
	Winter rice	Autumn rice (<i>aur</i>)	Spring rice (<i>boro</i>)
Sylhet	1,008	..	1,008
Cachar	Broadcast	}	..
	Transplanted		
	Both		
Goalpara	Broadcast	}	..
	Transplanted		
	Both		
Khasi and Jaintia Hills	1,120
Kamrup	Broadcast	}	..
	Transplanted		
	Both		
Garó Hills	Broadcast	}	..
	Transplanted		
	Both		
Darrang	Broadcast	}	..
	Transplanted		
	Both		
Nowgong	Broadcast	}	..
	Transplanted		
	Both		
Sibsagar	Broadcast	}	..
	Transplanted		
	Both		
Lakhimpur	Broadcast	}	..
	Transplanted		
	Both		
Lushai Hills
Average for the Province	1,008	672	..

DISTRICT	Matikahai	Rape- and mustard	Linseed	Sesamum (til or jinjili)	Sugarcane (<i>gur</i>)	Cotton (cleaned)	Jute
Sylhet	..	418	..	..	2,240	100	..
Cachar	..	448	..	..	2,240	..	..
Goalpara	..	560	..	..	1,344	..	..
Khasi and Jaintia Hills	100	..
Kamrup	..	504	..	..	1,344	..	..
Garó Hills	200	..
Darrang	..	504	..	..	1,456	..	..
Nowgong	..	504	..	..	1,456	100	..
Sibsagar	..	560	..	..	2,016	..	..
Lakhimpur	..	560	..	..	2,240	..	..
Lushai Hills	100	..
Average for the Province	560	504	448	448	1,904	154	1,210

APPENDIX A—continued

No. 11.—AVERAGE YIELD (lb PER ACRE) OF PRINCIPAL CROPS IN EACH DISTRICT OF THE NORTH-WEST FRONTIER PROVINCE

DISTRICT		Rice (husked)	Wheat	Barley	Jawar	Rajra
Hazara	{ Irrigated	1,234	741	782	...	494
	{ Unirrigated	...	473	535	...	329
Peshawar	{ Irrigated	1,166	977	1,312	...	...
	{ Unirrigated	...	671	560	436	...
Kohat	{ Irrigated	...	823	723	...	1,029
	{ Unirrigated	...	494	535	..	507
Bannu	{ Irrigated	...	711	700	...	617
	{ Unirrigated	...	514	453	...	412
Dera Ismail Khan	{ Irrigated	...	810	1,374	...	618
	{ Unirrigated	...	561	611	...	508
Average for the Province	{ Irrigated	1,205	874	1,189	...	704
	{ Unirrigated	...	559	736	430	486
	{ Both	...	633	876	...	602

DISTRICT		Maize	Gram	Rape and mustard	Sugarcane (gur)	Cotton (cleaned)
Hazara	{ Irrigated	1,316	...	433	1,976	93
	{ Unirrigated	741	...	399	...	57
Peshawar	{ Irrigated	2,926	...	625	2,676	185
	{ Unirrigated	...	...	455	...	...
Kohat	{ Irrigated	1,029	458	329	...	103
	{ Unirrigated	617	453	247	...	57
Bannu	{ Irrigated	864	741	412	1,076	113
	{ Unirrigated	...	412	288	...	57
Dera Ismail Khan	{ Irrigated	...	...	...	...	...
	{ Unirrigated	...	553	436	..	169
Average for the Province	{ Irrigated	1,356	730	544	2.43	173
	{ Unirrigated	735	419	411	...	142
	{ Both	1,292	449	418	...	162

AVERAGE YIELD OF CROPS
(SIND, AJMER, COORG)

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APPENDIX A—continued

No. 12—AVERAGE YIELD (lb PER ACRE) OF PRINCIPAL CROPS (ALL IRRIGATED) IN EACH DISTRICT OF SIND

DISTRICT	Wheat	Barley	Jawar	Bajra	Gram	Sesamum (til or jinjili)	Rape and mustard	Sugarcane (gur)	Cotton (cleaned)
Karachi	1,777	1,279	1,222	954	325	480	426	4,320	...
Hyderabad	1,200	960	1,719	1,280	373	515	640	4,146	255
Sukkur	1,451	720	1,846	1,109	600	480	711	...	...
Larkana	1,608	...	1,360	1,360	560	120	640	...	320
Upper Sind Frontier	908	902	832	640	522	373	768	...	...
Thar and Parkar	1,094	1,518	...	480	...	393	426	...	{ (a) 491 { (b) 454
Average for the Province	1,840	1,076	1,396	971	476	394	602	4,233	380

NOTE.—The average for the Province is the sum of the district averages divided by the number of districts
(a) Abassi (Egyptian) (b) Metaffi (Egyptian)

No. 13—AVERAGE YIELD (lb PER ACRE) OF PRINCIPAL CROPS IN EACH DISTRICT OF AJMER-MERWARA

DISTRICT	Barley	Jawar	Maize	Cotton (cleaned)	
Ajmer	Irrigated	1,375	...	1,104	235
	Unirrigated	300	185	760	127
Merwara	Irrigated	1,121	...	788	125
	Unirrigated	801	90	910	...
Average for the Province	Irrigated	1,248	...	946	180
	Unirrigated	550	137	835	127
	Both	1,168	...	868	170

NOTE.—(1) The yield reported in uncleaned cotton has been reduced by 70 per cent to allow for the removal of the seed
(2) The average for the province is the sum of the district averages divided by the number of districts

No. 14—AVERAGE YIELD (lb PER ACRE) OF PRINCIPAL CROPS IN COORG

DISTRICT	Rice (husked)	Rice straw (bye-product)
Coorg Unirrigated	1,483	2,428

APPENDIX A—concluded

No. 15—AVERAGE YIELD (LB PER ACRE) OF PRINCIPAL CROPS IN EACH DISTRICT OF THE MYSORE STATE

DISTRICT		Rice (husked)	Ragi	Horse gram	Til or jinjili (seasonal)	Sugarcane (per)	Cotton (cleaned)
Bangalore	Irrigated	570	...	...	...	3,639	...
	Unirrigated . . . .	...	792	251	219	...	...
Kolar	Irrigated	819	...	...	...	4,947	...
	Unirrigated . . . .	...	703	364	126	...	...
Tumkur	Irrigated	678	...	...	...	2,738	...
	Unirrigated . . . .	...	441	159	52	...	12
Mysore	Irrigated	1,030	...	...	...	4,396	...
	Unirrigated . . . .	...	356	299	209	...	71
Hassan	Irrigated	814	...	...	...	2,348	...
	Unirrigated . . . .	...	703	388	154	...	...
Shimoga	Irrigated	699	...	...	...	989	...
	Unirrigated . . . .	...	464	219	173	...	118
Kadur	Irrigated	829	...	...	...	2,075	...
	Unirrigated . . . .	...	619	218	301	...	80
Chitaldrug	Irrigated	736	...	...	...	2,344	...
	Unirrigated . . . .	...	784	123	183	...	83
Average for the Province	Irrigated	841	...	...	...	2,138	...
	Unirrigated . . . .	...	581	257	199	...	79

APPENDIX B

STATEMENT OF CHANGES IN DISTRICT AND PROVINCIAL BOUNDARIES

PROVINCE	District from which transferred	AREA TRANSFERRED, AND LAND REVENUE THEREOF		District and province to which transferred	Number and date of notification of transfer	
		Area in acres				Land revenue R
		Cultivated	Total			
EXTERNAL TRANSFERS						
1899-10						
Eastern Bengal and Assam	Malda district	(a)	2,861	(a)	Purnea, Bengal	No. 529 Ex., dated 25th December 1908
Bengal	Nadia "	2,928	2,928	797	Pabna, E. B. and Assam	No. 1886 R., dated 6th August 1908, and No. 2981 R., dated 19th December 1907
	" "	343	1,035	689	" "	No. 75, dated 13th January 1909
United Provinces	Ballia "	...	438	1,371	Shahabad, Bengal	No. 2174 T. R., dated 25th September 1909
Central Provinces	Chanda "	23,330	(b) 874,520	1,810	Godavari, Madras	Government of India, No. 545, dated 16th April 1909
1910-11						
United Provinces	Ballia "	...	176	251	Shahabad, Bengal	Government of Bengal, No. 459, dated 16th May 1910
1911-12						
Eastern Bengal and Assam	Rajshahi district	921,300	1,659,520	10,28,024	Bengal	Government of India, Home Department, No. 290, dated 22nd March 1912
	Dinajpur "	1,415,800	2,525,440	15,22,042		
	Jalpaiguri "	967,300	1,893,787	8,10,213		
	Rangpur "	1,610,400	2,226,511	10,16,878		
	Bogra "	469,900	869,760	4,95,717		
	Pabna "	774,200	1,179,888	4,22,879		
	Dacca "	1,255,800	1,780,180	5,37,029		
	Mymensingh, "	2,517,300	4,062,352	8,70,018		
	Faridpur "	895,000	1,459,840	6,28,049		
	Backergunj "	1,670,200	2,399,496	17,38,554		
	Tipperra "	1,123,400	1,599,360	11,02,205		
	Nonkhali "	1,015,200	1,052,084	7,07,471		
	Chittagong "	632,900	1,594,892	11,94,809		
	Malda "	775,800	1,212,801	4,38,376		
	Chittagong Hill tracts.	85,100	8,288,320	55,715		
Hill Tippera State	(a)	2,615,040	(a)			
Bengal	Patna district	1,118,000	1,228,000	17,46,462	Bihar and Orissa	Government of India, Home Department, No. 289, dated 22nd March 1912
	Gaya "	1,922,000	3,015,660	14,82,097		
	Shahabad "	1,460,100	2,800,948	17,97,918		
	Darbhanga "	1,561,700	3,142,690	7,93,280		
	Muzaffarpur "	1,430,000	1,942,400	9,81,095		
	Saran "	1,236,100	1,711,286	12,73,712		
	Champanan "	1,322,700	2,259,840	5,16,060		
	Monghyr "	1,043,100	2,510,080	9,61,170		
	Bhagalpur "	1,655,900	2,683,319	6,59,180		
	Purnea "	2,164,800	3,196,153	11,86,381		
	Saunthal Parganas	1,637,400	3,406,100	4,76,300		
	Cattack district	1,229,700	2,340,307	12,54,476		
	Balasoore "	894,200	1,332,621	6,80,372		
	Angul "	243,800	1,089,260	1,24,677		
	Puri "	750,100	1,699,860	7,07,046		
Sambalpur "	909,100	2,447,360	2,08,729			
Hazaribagh "	1,859,500	4,493,440	1,83,161			
Ranohi "	2,187,500	4,544,832	3,13,833			
Palamau "	572,900	3,144,960	1,39,564			
Manthum "	1,497,600	2,651,080	83,886			
Singhbhum "	853,400	2,490,240	1,46,365			
Feudatory and Tributary States in Orissa and Chota Nagpur	(a)	18,334,720	(a)			
1912-13						
United Provinces	Ballia district	45	46	41	Shahabad, Bihar, and Orissa.	Government of Bihar and Orissa, No. 1996 R.A., dated 18th July 1914.
1913-14						
Bihar and Orissa	Saran	51	51	15	United Provinces	No. 4701 R. (A).—11 J.-13, dated 7th October 1912.
Upper Burma	Yamethin	...	1,664	...	Southern Shan State.	No. 60, dated 23rd March 1914.

(a) No information

(b) Includes 289,538 acres of Government forests

NOTE—This statement is explanatory of the variations in the areas shown in Table I

APPENDIX B—continued

STATEMENT OF CHANGES IN DISTRICT AND PROVINCIAL BOUNDARIES—continued

PROVINCE	District from which transferred	AREA TRANSFERRED AND LAND REVENUE THEREOF		Land revenue R	District to which transferred	Number and date of notification of transfer
		Area in acres				
		Cultivated	Total			

INTERNAL TRANSFERS

1908-10						
Lower Burma	Amherst district	919	1,090	1,398	Thaton district	No. 334, dated 23rd October 1909
Bengal	Nadia "	(a)	1,989	(a)	Hooghly "	No. 4719, dated 14th December 1909
	Balasore "	(a)	1,747	(a)	Cuttack "	No. 572-Jur., dated 7th February 1910
Punjab	Montgomery "	23	46	23	Lyallpur "	No. 587, dated 29th August 1909
	Lahore "	218,129	(b)568,468	1,71,978	Gujranwala "	No. 677 S., dated 18th June 1910
Bombay	Dangs States	(a)	(a)	224	Khandesh "	No. 8281, dated 24th August 1909
	Satara district	5,451	5,818	2,070	Sholapur "	No. 11402, dated 20th November 1909
Madras	Kurnool "	(a)	59	14	Anantapur "	No. 202, dated 23rd June 1909
	Cuddapah "	2,155	2,321	2,443	Kurnool "	No. 135, dated 24th March 1909
	Madura "	401,385	2,426,586	6,37,715	Ramnad "	No. 281, dated 24th May 1910
	Tinnevely "	437,366	732,640	5,61,882	" "	Ditto ditto

1910-11						
Bengal	Bhagalpur district	Two villages	(c)	(c)	Turnea district	No. 209 Jur., dated 17th January 1911
Eastern Bengal	Jalpaiguri "	(a)	863	(a)	Rangpur "	No. 497-P. L., dated 4th February 1911
United Provinces	Almora "	2,108	16,318	354	Naini Tal "	No. 1818-I-603, dated 1st September 1910
	Montgomery "	1,247	3,808	699	Lyallpur "	No. 2429, dated 16th September 1910
Punjab	Lyallpur "	289	1,835	79	Montgomery "	No. 450, dated 24th July 1911
	Shahpur "	66,835	195,848	40,375	Gujrat "	No. 222, dated 27th March 1911
Bombay	Thana "	137	397	868	Kolaba "	No. 4528, dated 18th May 1910
	Thar and Parkar district	...	6	...	Hyderabad "	No. 5008, dated 21st June 1910
Madras	Cuddapah district	244,549	740,902	1,95,586	Anantapur "	No. 341 Rev., dated 16th July 1910
	Chingleput "	1,259	5,753	3,165	Nellore "	No. 29 Rev., dated 12th January 1911
	Cuddapah "	216,530	1,067,455	4,24,019	Chittoor "	No. 130 Pub., dated 7th March 1911
	North Arcot "	329,674	2,564,337	7,95,608	" "	No. 127 Pub., dated 7th March 1911
	Salem "	156,944	345,171	1,91,242	North Arcot "	No. 129 Pub., dated 7th March 1911
	South Arcot "	194,530	646,222	3,87,853	" "	No. 128 Pub., dated 7th March 1911
	Salem "	224,856	441,939	4,12,722	Trichinopoly "	Nos. 258 Rev., dated 1st July 1910, and 473 Rev., dated 10th September 1910
	Coimbatore "	225,861	391,776	3,78,679	" "	No. 474 Rev., dated 10th September 1910
	Tinnevelly "	37,581	46,939	25,667	Ramnad "	Nos. 564 and 565 Rev., dated 16th October 1910
	Ramnad "	1,334	1,908	2,642	Tinnevelly "	Nos. 566 and 567 Rev., dated 18th October 1910

1911-12						
Bengal (a)	Bakarganj district	4,815	5,987	7,359	Faridpur district	No. 662 B. D., dated 25th March 1912
	" "	4,218	12,106	11,193	Noakhali "	1912
Punjab	Montgomery "	14	2,564	50	Lyallpur "	No. 123, dated 30th January 1912
Sind	Hyderabad "	...	99	...	Thar and Parkar district	No. 7406, dated 8th August 1911
Central Provinces	Mandla "	...	3,165	...	Balaghat district	No. 3186, dated 31st May 1904

(a) No information
(b) Given effect to in 1910-11
(c) Figures not available

CHANGES IN BOUNDARIES
(ALL PROVINCES)

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APPENDIX B—concluded

STATEMENT OF CHANGES IN DISTRICT AND PROVINCIAL BOUNDARIES—concluded

PROVINCE	District from which transferred	AREA TRANSFERRED, AND LAND REVENUE THEREOF		District to which transferred	Number and date of notification of transfer	
		Area and acres				Land Revenue
		Cultivated	Total			₹

INTERNAL TRANSFERS—continued

1912-13

Lower Burma	Pegu district	121,172	442,920	3,05,944	Insein district	} No. 63, dated 17th February 1912
	Hanthawaddy "	393,729	737,638	10,85,006	" "	
Punjab	Delhi district (old)	201,129	287,349	4,19,836	Rohtak "	} No. 2944-S., dated 1st October 1912
	" "	122,146	178,833	2,21,137	Gurgaon "	
	Ludhiana district	40	75	71	Malerkotla State	} No. 429, dated 10th May 1913
	Malerkotla State	73	73	71	Ludhiana district	
Montgomery district	1,005	5,958	690	Lahore "	No. 660, dated 15th July 1912, and No. 224, dated 11th March 1913	
	" "	89,726	115,513	42,059	Lyalpur "	Nos. 222 and 223, dated 11th March 1913
Bombay	Belgaum "	1,252	1,311	1,033	Dharwar "	No. 10953, dated 29th November 1912
Sind	Hyderabad "	42,293	143,899	14,387	Thar and Parker district	} No. 9707, dated 19th October 1912
	Thar and Parker district	79,382	501,427	2,51,573	Nawabshah district	
	Hyderabad district	4,096	2,178,459	38,49,639	" "	
Bihar	Amraoti "	180	1,267	170	Buldana "	} No. 440, dated 29th August 1912
	" "	180	18,765	8,089	Akola "	

1913-14

Bengal	Mymensingh dist.	369	407	(b)	Dacca district	No. 25509, dated 7th March 1914
	Khulna "	3,409	3,080	(c)	Faridpur "	No. 2275, dated 18th November 1913 and No. 3606, dated 28th March 1914
	Jessore "	5,101	10,747	(c)	" "	Ditto Ditto
Madras	Chittoor "	473	22,285	627	North Arcot,,	No. 556, dated 5th December 1913
Bihar and Orissa	Ranchi "	1,436	1,436	...	Palsman "	No. 6248-R.-11 J.-16, dated 11th September 1913
Punjab	Shahpur "	1,901	3,550	3,140	Gujrat "	No. 195, dated 16th February 1914
	Lyalpur "	24,086	56,929	12,544	Attock "	No. 136, dated 11th February 1913
Upper Burma	Yamethin "	(b)	71,872	(b)	Jhang "	No. 578, dated 9th September 1913
	Meiktila "	282	4,992	367	Meiktila "	No. 59, dated 23rd March 1914
Borari	Akola "	3,544	9,093	1,164	Kyaukse "	No. 162, dated 19th May 1913
Assam	Sibsagar "	(b)	29,027	...	Yeotmal "	No. 997, dated 21st June 1913
Ajmer-Merwara	Ajmer	68,795	572,001	(b)	Nágá Hills "	No. 6253, dated 18th November 1913
					Kekri "	No. 576-C., dated 21st March 1914

(a) Not given effect to in the year 1911-12

(b) Not available.

(c) Revenue not affected.

APPENDIX C
VERNACULAR TERMS USED IN VOLUME I OF AGRICULTURAL
STATISTICS OF INDIA

- Agasi, agati, or arati* (*Sesbania grandiflora*)—A vegetable crop.
- Ajmud* (*Carum Roxburghianum*)—A kind of spice.
- Ajwan* (*Carum copticum*)—A kind of spice, "Bishop's weed."
- Akurkura or jecandi* (*Chrysanthemum coronarium*)—A non-food crop.
- Amada or mamidi allam* (*Curcuma amala*)—A condiment.
- Ampasham* (*spondias magnifera*)—The hog plum.
- Arhar* (*Cajanus indicus*)—The pigeon pea.
- Arunelli* (*Phyllanthus distichus*)—Country star, gooseberry.
- Bajra* (*Pennisetum typhoides*)—The spiked millet.
- Bané* (Coorg)—Forest land granted for the service of the holding of rice-fields to which it is allotted, to be held free of revenue for grazing, leaf manure, firewood, and for timber required for the farm.
- Barbati* (*Figna catjang*)—Asparagus, a food grain.
- Barti* (see Wudalu).
- Bel* (*Egle Marmelos*)—A fruit.
- Bhagdari* (see Narvadari).
- Bilimbi* (*Azerrhoa Bilimbi*)—A fruit.
- Bimb* (*Cephalandra indica*)—A fruit.
- Chaplash* (*Artocarpus Chaplasha*)—A tree grown mainly for timber.
- Chayroot* (*Oldenlandia umbellata*)—A dye.
- Cheena* (*Panicum miliaceum*)—The common millet.
- Cheik* (*Coix lachryma-jobi*)—A food grain, "Job's Tear."
- Chikkudukayulu* (*Dolichos lablab*)—The Indian or popat bean.
- Cholam* (see jawar).
- Cholanathu* (*Andropogon sorghum*)—Fodder jawar.
- Chowli* (see Barbati).
- Cumbu* (see Bajra).
- Dani* (*Nipa fruticans*)—A sobiliferous palm, the leaves of which are used for thatching purposes, also for matting.
- Dhaincha* (*Sesbania aculeata*)—A plant cultivated mainly for green manure.
- Dhatura* (*Datura alba*)—A drug.
- Dividivi* (*Cesalpinia coriaria*)—A dye.
- Gajar*—Carrot.
- Garmal* (*Coleus barbatus*)—A fruit.
- Gondli* (see Kutki).
- Gorait* (United Provinces)—Village watchman.
- Henna* (*Lawsonia alba*)—A dye.
- Inám* (Madras)—Alienated villages or lands granted rent-free. *Whole inám* villages are entire villages held on such tenure; *minor ináms* are portions of villages, generally a number of fields, held on *inám* tenure.
- Isfagul* (*Plantago ovata*)—A drug.
- Itamrári* (Punjab, Ajmer-Merwara)—A tenure which, though the revenue is assigned, is charged with a permanently fixed quit-rent.
- Izdáfat* (Bombay)—A form of service tenure.
- Isára* (Berar)—Land leased under the waste-land rules on stipulated terms.
- Jagír* (Berar)—Alienated villages or lands granted as rewards for service either rent-free or on payment of a quit-rent; such lands are hereditary.
- (Ajmer-Merwara)—Land granted revenue-free on condition of military service or as a charitable endowment.
- (Bombay)—Estates held hereditarily or for one or more generations on political considerations, no condition of service being attached to them.
- (Coorg)—Lands granted rent-free (1) to individuals on account of services rendered to the State by themselves or their ancestors, and (2) to some religious institutions.
- Jambo or naval*—Black plum.
- Jamma* (Coorg)—A tenure under which lands are held on half the ordinary assessment on condition that the holders should perform certain services to Government, if required, such as escorting Government treasure and rendering assistance to revenue officers on tour. These lands are inalienable without special sanction.

APPENDIX C—continued

VERNACULAR TERMS USED IN VOLUME I OF AGRICULTURAL
STATISTICS OF INDIA—continued

- Jawar* (*Sorghum vulgare*)—The great millet.
- Jenugulu*—Asparagus.
- Jinjili* (*Sesamum indicum*)—An oilseed.
- Jira*—Caraway.
- Jodi* (Madras)—Portion of the assessment reserved or left unalienated when lands were originally granted on favourable assessment. It is distinguished from quit-rent, which represents an additional charge (generally a certain proportion—one-eighth, one-fourth, one-half, or five-eighths—of the full assessment, minus the *jodi*) imposed when the tenures were enfranchised or converted into free-holds.
- Kalpayaru*—Kidney bean.
- Kangni* (*Panicum Italicum*)—Italian millet.
- Kamranga* (*Averrhoa Carambola*)—A fruit.
- Kanda* (*Dracontium*)—A vegetable crop.
- Kankrol* (*Momordica cochinchinensis*)—A vegetable crop.
- Karola* (*Momordica Charantia*)—A vegetable crop.
- Karuvapilai* (*Murraya Konigii*)—A condiment.
- Kavali* (*Sterculia urens*)—The Indian katura, a fruit.
- Kavathu* (*Dioscorca alata*)—A tuber used as a food stuff.
- Kodo* (*Paspalum Scrobiculatum*)—A kind of millet.
- Khdlsa* (Bombay)—Government occupancy or raiyatwari tenure.
- (Central Provinces)—Areas settled on malguzari or thekadari tenure, in contradistinction to zamindari.
- (Berar, Ajmer-Merwara)—Land paying full revenue to Government.
- Khatedar* (Berar)—A registered occupant whose name is entered by authority in the Government records as holding unalienated land.
- Khiraj* (Assam)—Land assessed to full revenue.
- Khoti* (Bombay)—A form of tenure, found chiefly in the Konkan, the holder of which is, in return for certain semi-proprietary rights, held responsible for payment of assessment on the area held.
- Kirni* (*Mimusops hexandra*)—A large tree cultivated chiefly in North-West India. It produces an olive-shaped yellow berry which is eaten chiefly during times of scarcity, and in the hot weather.
- Korai*—The Indian matting sedge.
- Kolinji* (*Tephrosia purpurea*)—A drug.
- Koorka* (*Strobilanthes*)—A vegetable crop.
- Kuhudi* (*Panicum trypheron*)—A food grain.
- Kulthi* (*Dolichos biflorus*)—Horse gram.
- Kutki* (see Kodo).
- Kwin* (Burma)—An area averaging about one square mile selected as a survey unit on account of some natural features or administrative boundaries.
- Lakhiraj* (Assam)—Revenue-free land.
- Lobia* (see Barbati).
- Madder* (*Rubia tinctorum* and *R. cordifolia*)—A dye.
- Mahalkari* (Bombay)—A revenue and police officer in charge of a sub-division of a taluk.
- Makhan sim*—The sword bean.
- Malgusari* (Central Provinces)—A form of tenure, the holder of which is responsible for the payment of the revenue assessed on a village.
- Mamlatdar* (Bombay)—The chief revenue and police officer (native) in charge of a taluk.
- Mankachu* (*Alocasia indica*)—A root crop.
- Marua* (*Elusine coracana*)—A kind of millet.
- Marukkolundu* (*Artemisia vulgaris*)—The Indian worm wood.
- Mekwasi* (Bombay)—A proprietary tenure assessable to revenue at a lump sum.
- Muaf* (Manpur)—Any kind of land held revenue-free either for a fixed period or in perpetuity, but the term does not ordinarily apply to jagirs.
- Mung* (*Phaseolus Mungo*)—Green gram.

APPENDIX C—continued

VERNACULAR TERMS USED IN VOLUME I OF AGRICULTURAL
STATISTICS OF INDIA—contd.

- Muusariw* (Berar).—A head native revenue officer.
- Narsadari, Bhagdari* (Bombay).—Forms of proprietary tenure involving joint responsibility for the assessment: the revenue in the former case being fixed in the lump, and in the latter distributed by rates over fields.
- Neerali* (*Gynocordia odorata*).—An oilseed.
- Neem or Margosa* (*Melia azadirachta*).—A non-food crop.
- Nela mulaka* (*Solanum xanthocarpum*).—The bogoda brinjal, a drug.
- Nisfkkiraj* (Assam).—Land liable to pay half the revenue which is ordinarily payable for the term of settlement.
- Palampat* (Berar).—Land held on payment of a quit-rent, but not necessarily hereditary.
- Odamula* (*Ochlandra Rheedii*).—A reed.
- Ol or zaminkand*.—A root crop.
- Panchayat* (Bengal).—A committee of five respectable persons nominated or appointed by local officers of Government in a village or group of villages for the settlement of petty disputes among the people and for dealing with other small local matters, such as caste, occupation, sanitation, etc.
- Papay* (*Carica papaya*).—A fruit.
- Parpatligar* (Coorg).—A revenue officer in charge of a sub-division of a taluk.
- Parvar* (see Patol).
- Patel* (Coorg).—Village headman appointed by Government.
- Patol* (*Trichosanthes dioica*).—A vegetable crop.
- Peshkash* (Madras).—The fixed land revenue payable to Government on all permanently-settled estates.
- Pimakottai or pouna*.—The mast wood.
- Pounagantikura* (*Alternanthera sessilis*).—A vegetable crop.
- Poramboke* (Madras).—Lands reserved for public or village communal purposes.
- Pbt inams* (Bombay).—Lands sub-alienated in alienated villages.
- Pbt khardb* (Berar).—The unculturable area included in a survey number.
- Puliyavara* (*Oxalis corniculata*).—A vegetable crop.
- Ragi* (see Marua).
- Rayatwari*.—State lands leased to cultivators for a fixed term. A form of tenure in which the settlement of revenue is made by Government with each individual occupant or cultivator of the land for a given term, without the intervention of a third party.
- Randhuni* (see Ajmud).
- Sabai grass* (*Ischaemum Augustifolium*).—A fibre plant.
- Sank-alu* (*Pachyrhizus angulatus*).—A root crop.
- Sapodilla* (*Achras Sapota*).—A fruit.
- Sebestan* (*Cordia Myza*).—A fruit.
- Shanbóg* (Coorg).—A village accountant appointed by Government.
- Shrotriem* (Madras).—Village held on grant (originally to Brahmins), wholly or partially revenue-free.
- Siris tree or vagai* (*Albizia Lebbek*).—A non-food crop.
- Sorrell* (*Rumex vesicarius*).—A vegetable crop.
- Sother*.—Radish.
- Swank* (*Panicum frumentaceum*).—A food grain.
- Talukdari* (Bombay).—A form of proprietary right in force in the northern districts of Bombay.
- Tejpat* (*Cinnamomum Tamala* and *C. obtusifolium*).—A spice.
- Thathamedä* (Upper Burma).—Household tax.
- Thattan payara* (see Barbat).
- Thekadar* (Central Provinces).—A farmer, a leaseholder, a middleman; one who receives the rents from the cultivators and pays a stipulated sum to the proprietor.
- Thugyi* (Burma).—A village headman.
- Thetke grass* (*Imperata arundinacea*).—A small perennial grass used chiefly for thatching purposes.

APPENDIX C—concluded**VERNACULAR TERMS USED IN VOLUME I OF AGRICULTURAL
STATISTICS OF INDIA—concl'd.**

- Til (sesamum indicum)*.—An oilseed.
- Uchhe (Momordica muricata)*.—A vegetable crop.
- Udai (Acacia eburnea)*.—A thorny tree used as fuel or for fencing purposes.
- Udhad-jamabandi* (Bombay).—A proprietary tenure subject to fixed assessment.
- Umblī* (Coorg).—Lands granted on reduced rates to individuals on account of services rendered to the State by themselves or their ancestors.
- Unla (Pongamia glabra)*.—An oil seed.
- Urad (Phaseolus radiatus)*.—Black gram.
- Wudulu or barti (Panicum flavidum)*.—A food grain.
- Zamindar* (Central Provinces).—A chief of minor importance who, while usually held a large and compact estate on privileged tenure, has been restricted to the rank of ordinary subject.
- Zamindari*.—An estate held on a fixed assessment under a deed of permanent ownership granted by Government.

APPENDIX D

ALPHABETICAL LIST OF CROPS CULTIVATED IN INDIA AND THEIR CLASSIFICATION
IN TABLE III.

NAME OF CROP		Heads of classification in Table III
English or Vernacular	Botanical	
Agasi, agati or avati	<i>Sesbania grandiflora</i>	33. Fruits and Vegetables including root crops.
Agave	Agave spp.	23. Fibres—others.
Ajmod or Randhuni	<i>Carum Roxburghianum</i>	18. Condiments and spices.
Ajwan or Bishop's weed	<i>Carum Copticum</i>	18. " " "
Akurkura (<i>see</i> Chrysanthemum)	.....	.....
Al (<i>see</i> Morinda)	.....	.....
Aloes	<i>Aloe vera</i>	35. Drugs and Narcotics— others.
Alya (<i>see</i> Cress)	.....	.....
Amada or Mamidi allam	<i>Curcuma Amada</i>	18. Condiments and spices.
Amaranths	<i>Amarantus</i>	30. Misc. food crops.
Ampazham (<i>see</i> Plum)	.....	.....
Anise seed	<i>Pimpinella Anisum</i>	18. Condiments and spices.
Apple, wood	<i>Feronia elephantum</i>	33. Fruits and Vegetables including root crops.
" Rose	<i>Eugenia Jambos</i>	33. " " "
" Custard	<i>Anona squamosa</i> and <i>A. reticulata</i> .	33. " " "
Areca nut or Betel nut	<i>Areca Catechu</i>	35. Drugs and Narcotics— others.
Arhar or pigeon pea	<i>Cajanus indicus</i>	10. Other food grains, etc.
Arnatto or Arnotto	<i>Bixa Orellana</i>	28. Dyes—others.
Arrowroot, West Indian	<i>Maranta arundinacea</i>	30. Misc. food crops.
" Wild or East Indian	<i>Curcuma angustifolia</i>	30. " " "
Artichoke	<i>Cynara Scolymus</i> or <i>Centauria Cardunculus</i> .	33. Fruits and Vegetables including root crops.
Arum (edible), Kachu or Kachalu	<i>Colocasia Antiquorum</i>	33. " " "
Arunelli (<i>see</i> Gooseberry, country star)	.....	.....
Bajra (<i>see</i> Millet)	.....	.....
Barbati, Lobia, Jungulu, Thattan-payara or Chowli (Asparagus).	<i>Vigna Catjang</i>	10. Other food grains, etc.
Barley	<i>Hordeum vulgare</i>	4. Barley.
Barti (<i>see</i> Wudalu)	.....	.....
Basil, sweet	<i>Ocimum Basilicum</i>	35. Drugs and Narcotics— others.
Beans	<i>Phaseolus lunatus</i>	33. Fruits and Vegetables including root crops.
" Asparagus (<i>see</i> Barbati)	.....	.....
" Sword or Makhan Sim	<i>Canavalia ensiformis</i> , <i>C. gladiata</i> .	33. Fruits and Vegetables including root crops.
" French	<i>Phaseolus vulgaris</i>	33. " " "
" Goa	<i>Psophocarpus tetragonolobus</i>	33. " " "
" Indian, Chikkudikayalu, or Popat	<i>Dolichos lablab</i>	33. " " "
" Kidney, Moth, or Kalpayaru	<i>Phaseolus aconitifolius</i>	33. " " "
" Soy	<i>Glycine hispida</i>	33. " " "
Beetroot	<i>Beta vulgaris</i>	33. " " "
Bel	<i>Egle Marmelos</i>	33. " " "
Betel vine	<i>Piper Betle</i>	35. Drugs and Narcotics— others.
" nut (<i>see</i> Arecanut)	.....	.....
Bhindi (<i>see</i> Hibiscus, edible)	.....	.....
Bilimbi	<i>Averrhoa Bilimbi</i>	33. Fruits and Vegetables including root crops.
Bimb	<i>Cephalandra indica</i>	33. " " "
Bishop's weed (<i>see</i> Ajwan)	.....	.....
Borage, country	<i>Coleus aromaticus</i>	35. Drugs and Narcotics— others.
Brinjal	<i>Solanum Melongena</i> , <i>S. longum</i> .	33. Fruits and Vegetables including root crops.
" bogoda or nela mulaka	<i>Solanum xanthocarpum</i>	35. Drugs and Narcotics— others.
Buck wheat (<i>see</i> Wheat)	.....	.....

APPENDIX D—*continued*ALPHABETICAL LIST OF CROPS—*contd.*

NAME OF CROP		Heads of classification in Table III
English or Vernacular	Botanical	
Cabbage	<i>Brassica oleracea</i>	38. Fruits and Vegetables including root crops.
Caraway or Jira	<i>Carum Carui</i>	18. Condiments and spices.
" Black or Shahjira	<i>Carum Bulbocastanum</i>	18. " " "
Cardamom Aromatic	<i>Amomum aromaticum</i>	18. " " "
" greater	<i>" subulatum</i>	18. " " "
" lesser	<i>Elettaria Cardamomum</i>	18. " " "
Carob or Locust tree	<i>Ceratonia Siliqua</i>	37. Fodder crops.
Carrot or Gajar	<i>Daucus Carota</i>	38. Fruits and Vegetables including root crops.
Cashew nut	<i>Anacardium occidentale</i>	38. " " "
Cassava	<i>Manihot utilisissima</i> and <i>M. palmata</i> .	38. " " "
Castor	<i>Ricinus communis</i>	16. Oilseeds—others.
Cauliflower	<i>Brassica oleracea</i>	38. Fruits and Vegetables including root crops.
Celery	<i>Apium graveolens</i>	38. " " "
Chaplasi (<i>see</i> Sam tree)	.....	.....
Chayroot	<i>Oldenlandia umbellata</i>	28. Dyes—others.
Cheena (<i>see</i> Millet)	.....	.....
Cheik (<i>see</i> Job's Tear)	.....	.....
Chicory	<i>Cichorium Intybus</i>	38. Fruits and Vegetables including root crops.
Chickling Vetch (<i>see</i> Vetch)	.....	.....
Chillies	<i>Capsicum sp.</i>	18. Condiments and spices.
Chikkudukayalu (<i>see</i> Beans, Indian)	.....	.....
Cholum (<i>see</i> Millet)	.....	.....
Cholanathu (fodder Cholum)	<i>Andropogon Sorghum</i>	37. Fodder crops.
Chowli (<i>see</i> Barbati)	.....	.....
Chrysanthemum, Akurkura, or Jevandi	<i>Chrysanthemum coronarium</i> .	40. Miscellaneous non-food crops.
Cinchona	<i>Cinchona sp.</i>	33. Cinchona.
Cinnamon	<i>Cinnamomum zeylanicum</i>	18. Condiments and spices.
Citron or lime or lemon	<i>Citrus medica</i>	38. Fruits and Vegetables including root crops.
Cloves	<i>Eugenia caryophyllata</i> or <i>Caryophyllus aromaticus</i> .	18. Condiments and spices.
Coconut	<i>Cocos nucifera</i>	38. Fruits and Vegetables including root crops.
Coffee	<i>Coffea arabica</i>	30. Coffee.
Coriander	<i>Coriandrum sativum</i>	18. Condiments and spices.
Cotton	<i>Gossypium sp.</i>	21. Cotton.
Cress	<i>Lepidium sativum</i>	38. Fruits and Vegetables including root crops.
Cucumber	<i>Cucumis sativus</i>	38. " " "
Cumbu (<i>see</i> Millet)	.....	.....
Cumin	<i>Cuminum Cyminum</i>	18. Condiments and spices.
Custard Apple (<i>see</i> Apple)	.....	.....
Dani	<i>Nipa fruticans</i>	40. Miscellaneous non-food crops.
Date palm (<i>see</i> Palm)	.....	.....
Dhaincha	<i>Sesbania aculeata</i>	40. Miscellaneous non-food crops.
Dhatara	<i>Datura alba</i>	35. Drugs and Narcotics—others.
Dill or Sowa	<i>Peucedanum graveolens</i>	16. Oilseeds—others.
Dividivi	<i>Cesalpinia coriara</i>	28. Dyes—others.
Drumsticks or Horse-radish	<i>Moringa pterygosperma</i>	38. Fruits and Vegetables including root crops.
Elephant foot, Zaminkand or Ol	<i>Amorphophallus campanulatus</i> .	38. " " "
Elephant yam	<i>Tryphonium trilobatum</i>	38. " " "
Fennel	<i>Foeniculum vulgare</i>	18. Condiments and spices.

APPENDIX D—continued

ALPHABETICAL LIST OF CROPS—contd.

NAME OF CROP		Heads of classification in Table III
English or Vernacular	Botanical	
Fenugreek	<i>Trigonella foenum graecum</i>	18. Condiments and spices.
Field Vetch (<i>see</i> Vetch)	.....	.....
Fig	<i>Ficus Carica</i>	38. Fruits and Vegetables including root crops.
Flea-bane, purple	<i>Vernonia anthelmintica</i>	35. Drugs and Narcotics— others.
Flowers	.....	40. Miscellaneous non-food crops.
Gajar (<i>see</i> Carrot)	.....	.....
Garlic	<i>Allium sativum</i>	18. Condiments and spices.
Garmal	<i>Coleus barbatus</i>	38. Fruits and Vegetables including root crops.
Gawar (<i>see</i> Vetch)	.....	.....
Ginger	<i>Zingiber officinale</i>	18. Condiments and spices.
Goa bean (<i>see</i> Bean)	.....	.....
Gondli (<i>see</i> Millet)	.....	.....
Gooseberry, Cape—or teperi	<i>Physalis peruviana</i>	38. Fruits and Vegetables including root crops.
Country star or Arunelli	<i>Phyllanthus distichus</i>	38. " " "
Goose foot	<i>Chenopodium album</i>	38. Fruits and Vegetables including root crops.
Gourd, Snake	<i>Trichosanthes anguina</i>	38. " " "
" Bottle	<i>Lagenaria vulgaris</i>	38. " " "
" Towel	<i>Luffa acutangula</i>	38. " " "
Gourd, Red or melon pumpkin	<i>Cucurbita maxima</i>	38. " " "
Gourd Melon, white	<i>Benincasa cerifera</i>	38. " " "
Gram	<i>Cicer aristinum</i>	9. Gram.
" Field	<i>Phaseolus trilobus</i>	10. Other food grains, etc.
" Green or Mung	<i>Phaseolus Mungo</i>	10. " " "
" Horse or Kulthi	<i>Dolichos biflorus</i>	10. " " "
" Black or Urad	<i>Phaseolus radiatus</i>	10. " " "
Grape	<i>Vitis vinifera</i>	38. Fruits and Vegetables including root crops.
Groundnut	<i>Arachis hypogaea</i>	15. Groundnut.
Guava	<i>Psidium Guajava</i>	38. Fruits and Vegetables including root crops.
Guinea grass	<i>Panicum maximum</i>	37. Fodder crops.
Gumbery	<i>Cordia Rothii</i>	38. Fruits and Vegetables including root crops.
Hemp, Indian, or Ganja	<i>Cannabis sativa</i>	34. Indian Hemp.
" Sunn	<i>Crotalaria juncea</i>	23. Fibres—others.
" Deccan	<i>Hibiscus cannabinus</i>	23. " "
" Sisal	<i>Agave sisalana</i>	23. " "
Henna	<i>Lawsonia alba</i>	28. Dyes—others.
Hibiscus, edible or bhindi	<i>Hibiscus esculentus</i>	38. Fruits and Vegetables including root crops.
Horse-radish (<i>see</i> Drumsticks)	.....	.....
Indian Hemp (<i>see</i> Hemp)	.....	.....
Indian worm wood (<i>see</i> Marukkolundu)	.....	.....
Indigo	<i>Indigofera sumatrana</i> and <i>I. arrecta.</i>	27. Indigo.
Isfagul	<i>Plantago ovata</i>	35. Drugs and Narcotics— others.
Jack fruit	<i>Artocarpus integrifolia</i>	38. Fruits and Vegetables including root crops.
Jambotree (<i>see</i> Plum, black)	.....	.....
Jawar (<i>see</i> Millet)	.....	.....
Jengulu (<i>see</i> Barbati)	.....	.....
Jevandi (<i>see</i> Chrysanthemum)	.....	.....
Jinjili (<i>see</i> Sesamum)	.....	.....
Jira (<i>see</i> Caraway)	.....	.....
Job's Tear or Cheik	<i>Coix lachryma-jobi</i>	10. Other food grains, etc.

APPENDIX D—continued

ALPHABETICAL LIST OF CROPS—contd.

NAME OF CROP		Heads of classification in Table III
English or Vernacular	Botanical	
Jujube	Zizyphus Jujuba	38. Fruits and Vegetables including root crops.
Jute	Corchorus sp.	22. Jute.
Kachu or Kachalu (see Arum)	.....	.....
Kakri (see Melon)	.....	.....
Kalpayaru (see Beans, Kidney)	.....	.....
Kamranga	Averrhoa Carambola	38. Fruits and Vegetables including root crops.
Kanda	Dracontium	38. Ditto. ditto.
Kangui (see Millet)	.....	.....
Kaukrol	Momordica cochinchinensis	38. Fruits and Vegetables including root crops.
Kaon (see Millet)	.....	.....
Kapok	Eriodendron anfractuosum	23. Fibres—others.
Karola	Momordica Charantia	38. Fruits and Vegetables including root crops.
Karuvapilai	Murraya Koenigii	18. Condiments and spices.
Kavali or Indian Katara	Sterculia urens	38. Fruits and Vegetable including root crops.
Kavathu, pannikkavathu, pallakavathu, kolkavathu	Dioscorea alata	38. Ditto. ditto.
Kharbuja (see Melon)	.....	.....
Khesari (see Vetch)	.....	.....
Khurfa (see Puralane)	.....	.....
Kidney bean (see Bean)	.....	.....
Kirni	Mimusops hexandra	39. Miscellaneous food crops.
Kodo (see Millet)	.....	.....
Korai (see Matting sedge, Indian)	.....	.....
Kokam (see Mangosteen)	.....	.....
Kolinji or vompali	Tephrosia purpurea	35. Drugs and Narcotics—others.
Koorka	Strobilanthes	38. Fruits and Vegetables including root crops.
Kuhudi	Panicum trypheron	10. Other food grains, etc.
Kulthi (see Gram)	.....	.....
Kutki (see Millet)	.....	.....
Lemon (see Citron)	.....	.....
Lentils	Lens esculenta or Ervam lens	10. Other food grains, etc.
Lettuce	Lactuca Scariola	38. Fruits and Vegetables including root crops.
Limo (see Citron)	.....	.....
Linseed	Linum usitatissimum	12. Linseed.
Lobia (see Barbat)	.....	.....
Locust tree (see Carob)	.....	.....
Lucerno	Medicago sativa	37. Fodder crops.
Madder	Rubia tinctorum and R. cordifolia.	28. Dyes—others
Mahua	Bassia latifolia and B. longifolia.	39. Miscellaneous food crops.
Maize	Zea Mays	8. Maize.
Makhan Sim (see Beans, Swori)	.....	.....
Mango	Mangifera indica	38. Fruits and Vegetables including root crops.
Mangosteen or Kokam	Garcinia indica	38. " " "
Mankachu	Alocasia indica	38. " " "
Margosa or Neem tree	Melia azadirachta	40. Miscellaneous non-food crops.
Marians	Bouea burmanica	38. Fruits and Vegetables including root crops.
Marjoram	Origanum vulgare	18. Condiments and spices.
Marua (see Millet)	.....	.....
Marukkolundu or Indian wormwood	Artemisia vulgaris	40. Miscellaneous non-food crops.

APPENDIX D—continued

ALPHABETICAL LIST OF CROPS—contd.

NAME OF CROP		Heads of classification in Table III
English or Vernacular	Botanical	
Mast wood	<i>Calophyllum inophyllum</i>	18. Oilseeds—others.
Matting sedge, Indian or Korai	<i>Cyperus corymbosus</i> , C. tegetum.	23. Fibres—others.
Medlar, Indian	<i>Vangueria edulis</i>	38. Fruits and Vegetables including root crops.
Melon, Kharbuja	<i>Cucumis Melo</i>	38. " " "
" Kakri	<i>Cucumis Melo</i> var. <i>momordica</i> .	38. " " "
" Musk	<i>Cucurbita moschata</i>	38. " " "
" Water	<i>Citrullus vulgaris</i>	38. " " "
" White Gourd (see Gourd)	.....	.....
Metha (Fenugreek)	<i>Trigonella fenugracum</i>	18. Condiments and spices.
Millet, Common or Cheena	<i>Panicum miliaceum</i>	10. Other food grains, etc.
" Great or jawar or cholam	<i>Sorghum vulgare</i>	5. Cholam or Jawar.
" Italian, Kangni, or Kaon	<i>Panicum Italicum</i> or <i>Setaria italica</i>	10. Other food grains, etc.
" Kodo or Varagu	<i>Paspalum scrobiculatum</i>	10. " "
" Little, Kutki, or Gondli	<i>Panicum miliare</i>	10. " "
" Marua or Ragi	<i>Eloisine Coracana</i>	7. Ragi or marua.
" Spiked, Bajra or Cumbu	<i>Pennisetum typhoideum</i>	6. Cumbu or Bajra.
Mint or Pudina	<i>Mentha arvensis</i>	18. Condiments and spices.
Morinda or Al	<i>Morinda tinctoria</i>	28. Dyes—others.
Moth (see Bean)	.....	.....
Mulberry	<i>Morus indica</i>	40. Miscellaneous non-food crops.
Mung (see Gram)	.....	.....
Mustard	<i>Brassica</i> sp.	14. Rape and Mustard.
Naval (see Plum, black)	.....	.....
Neerali	<i>Gynocordia odorata</i>	16. Oilseeds—others.
Neem tree (see Margosa)	.....	.....
Niger Seed or Sorguja	<i>Guizotia abyssinica</i>	16. Oilseeds—others.
Nutmeg	<i>Myristica fragrans</i>	18. Condiments and spices.
Oats	<i>Avena sativa</i>	37. Fodder crops.
Odamula (reeds)	<i>Ochlandra Rheedii</i>	40. Miscellaneous non-food crops.
Ol (see Elephant foot)	.....	.....
Onion	<i>Allium Ceps</i>	18. Condiments and spices.
Opium	<i>Papaver somniferum</i>	29. Opium.
Orache, garden (see spinach)	.....	.....
Oranges	<i>Citrus Aurantium</i>	38. Fruits and Vegetables including root crops.
Palm, Date	<i>Phoenix sylvestris</i>	20. Sugar—others.
" Palmyra	<i>Borassus flabellifer</i>	20. " " "
Papay	<i>Carica papaya</i>	38. Fruits and Vegetables including root crops.
Parvar or Patol	<i>Trichosanthes dioica</i>	38. " " "
Peach	<i>Prunus persica</i>	38. " " "
Peas	<i>Pisum sativum</i> or <i>Pisum arvense</i> .	10. Other food grains, etc.
Peanut (see Groundnut)	.....	.....
Pepper	<i>Piper</i> or <i>Capsicum</i>	18. Condiments and spices.
" Black	<i>Piper nigrum</i>	18. " " "
" Long	<i>Piper longum</i>	19. " " "
Pigeon or bottle grass	<i>Setaria glauca</i>	10. Other food grains, etc.
Pigeon pea (see Arhar)	.....	.....
Pimakottai, Pouna (see Mastwood)	.....	.....
Pine apple	<i>Ananas sativa</i>	38. Fruits and Vegetables including root crops.
Plantain	<i>Musa sapientum</i>	38. " " "
Plum, black, Jambo tree or Naval	<i>Eugenia Jambolana</i>	38. " " "
" Hog, or Ampazham	<i>Spondias mangifera</i>	38. " " "
Poi (see Spinach)	.....	.....

APPENDIX D—continued

ALPHABETICAL LIST OF CROPS—contd.

NAME OF CROP		Heads of classification in Table III
English or Vernacular	Botanical	
Pomegranate	<i>Punica granatum</i>	38. Fruits and Vegetables including root crops.
Pomelo	<i>Citrus decumana</i>	38. " " "
Ponnagantikura	<i>Alternanthera sessilis</i>	38. " " "
Potato	<i>Solanum tuberosum</i>	38. " " "
" Sweet	<i>Ipomoea Batatas, Batatas edulis.</i>	38. " " "
Pudina (<i>see</i> Mint)	.....	.....
Puliyavara	<i>Oxalis corniculata</i>	38. Fruits and Vegetables including root crops.
Pumpkin	<i>Cucurbita pepo</i>	38. " " "
Pumpkin Melon (<i>see</i> Gourd, red)	.....	.....
Radish or Sother	<i>Raphanus sativus</i>	38. Fruits and Vegetables including root crops.
Ragi (<i>see</i> Millet)	.....	.....
Randbuni (<i>see</i> Ajmud)	.....	.....
Rapeseed	<i>Brassica sp.</i>	14. Rape and Mustard.
Raspberry	<i>Rubus lasiocarpus</i>	38. Fruits and Vegetables including root crops.
Rhea	<i>Bœhmeria nivea</i>	23. Fibres—others.
Rice	<i>Oryza sativa</i>	2. Rice.
Rose apple (<i>see</i> Apple)	.....	.....
Roselle	<i>Hibiscus subdariffa</i>	38. Fruits and Vegetables including root crops.
Rubber (India)	<i>Hevea brasiliensis, manihot Glaziovii.</i>	40. Miscellaneous non-food crops.
Sabai grass	<i>Ischoemum augustifolium</i>	23. Fibres—others.
Safflower	<i>Carthamus tinctorius</i>	28. Dyes—others.
Saffron	<i>Crocus sativus</i>	28. " "
Sage	<i>Salvia officinalis</i>	18. Condiments and spices.
Sam tree or Chaplash	<i>Artocarpus Chaplasha</i>	40. Miscellaneous non-food crops.
Sank-alu	<i>Fachyrhizus angulatus</i>	38. Fruits and Vegetables including root crops.
Sapodilla	<i>Achras Sapota</i>	38. " " "
Swan (<i>see</i> Swank)	.....	.....
Sebestan	<i>Cordia myxa</i>	38. Fruits and Vegetables including root crops.
Senna	<i>Cassia angustifolia and C. ovata.</i>	35. Drugs and Narcotics—others.
Sesamum, til or jinjili	<i>Sesamum indicum</i>	13. Sesamum.
Shahjira (<i>see</i> Caraway, black)	.....	.....
Shama (<i>see</i> Swank)	.....	.....
Singhara or water caltrop	<i>Trapa bispinosa</i>	38. Fruits and Vegetables including root crops.
Siris tree or vagai	<i>Albizzia Lebbeck</i>	40. Miscellaneous non-food crops.
Sisal hemp (<i>see</i> Hemp)	.....	.....
Soapnut or Kumkudu-Kaya	<i>Sapindus trifoliatus</i>	35. Drugs and Narcotics—others.
Sorguja (<i>see</i> Niger seed)	.....	.....
Sorroll	<i>Rumex vesicarius</i>	38. Fruits and Vegetables including root crops.
Sowa (<i>see</i> Dill)	.....	.....
Sother (<i>see</i> Radish)	.....	.....
Soy bean (<i>see</i> Bean)	.....	.....
Spelt wheat (<i>see</i> Wheat)	.....	.....
Spinach	<i>Spinacea oleracea</i>	38. Fruits and Vegetables including root crops.
" Indian or poi	<i>Basella alba</i>	38. " " "
" Mountain, or Garden Orache	<i>Atriplex hortensis</i>	38. " " "
Strawberry	<i>Fragaria vesca</i>	38. " " "
Sugarcane	<i>Saccharum officinarum</i>	19. Sugarcane.

APPENDIX D—concluded

ALPHABETICAL LIST OF CROPS—concl'd.

NAME OF CROP		Heads of classification in Table III
English or Vernacular	Botanical	
Sunflower	<i>Helianthus Annuus</i>	16. Oilseeds—others.
Swallow-wort	<i>Calotropis</i> sp.	27. Fibres—others.
Swank, Sawan, or Shama	<i>Panicum frumentaceum</i>	10. Other food grains, etc.
Sweet flag	<i>Acorus Calamus</i>	35. Drugs and Narcotics—others.
Sweet potato (<i>see</i> Potato) . . . . .	.....	.....
Tamarind	<i>Tamarindus indica</i>	18. Condiments and spices.
„ Manila	<i>Pithecolobium dulce</i>	38. Fruits and Vegetables including root crops.
Taramira	<i>Eruca sativa</i>	14. Rape and Mustard.
Tea	<i>Camellia Thea</i>	31. Tea.
Tejpat	<i>Cinnamomum Tamala</i> and <i>C. obtusifolium</i> .	18. Condiments and spices.
Tenari (<i>see</i> Gooseberry) . . . . .	.....	.....
Thattan-payara (<i>see</i> Barbati) . . . . .	.....	.....
Thetkè (grass)	<i>Imperata arundinacea</i>	40. Miscellaneous non-food crops.
Til (<i>see</i> sesamum) . . . . .	.....	.....
Tobacco	<i>Nicotiana Tabacum</i> and <i>N. Rustica</i> .	32. Tobacco.
Tomato	<i>Lycopersicum esculentum</i>	38. Fruits and Vegetables including root crops.
Tori, Toria	<i>Brassica Napus</i>	14. Rape and Mustard.
Turmeric	<i>Cureuma longa</i>	18. Condiments and spices.
Turnip	<i>Brassica Rapa</i>	38. Fruits and Vegetables including root crops.
Uchhe	<i>Momordica muricata</i>	38. " " "
Udai	<i>Acacia eburnea</i>	40. Miscellaneous non-food crops.
Unda	<i>Pongamia glabra</i>	16. Oilseeds—others.
Urad (<i>see</i> Gram) . . . . .	.....	.....
Varagu (<i>see</i> Millet) . . . . .	.....	.....
Vagai (<i>see</i> Siris tree) . . . . .	.....	.....
Vempali (<i>see</i> Kolinji) . . . . .	.....	.....
Vetch, Field or gawar	<i>Cyamopsis psoralioides</i>	37. Fodder crops.
„ Chickling or khesari	<i>Lathyrus sativus</i>	10. Other food grains, etc.
Water caltrop (<i>see</i> Singhara) . . . . .	.....	.....
„ melon (<i>see</i> Melon) . . . . .	.....	.....
Wheat	<i>Triticum sativum</i>	3. Wheat.
„ Buck	<i>Fagopyrum esculentum</i>	10. Other food grains, etc.
„ Spelt	<i>Triticum sativum</i> var <i>Spelta</i> .	3. Wheat.
Wood apple (<i>see</i> Apple) . . . . .	.....	.....
Wudalu or barti	<i>Panicum flavidum</i>	10. Other food grains, etc.
Yams	<i>Dioscorea</i> sp.	38. Fruits and Vegetables including root crops.
Zaminkand (<i>see</i> Elephant foot)

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