

Table VI—continued

No. 102—NUMBER OF TRANSFERS OF LAND AND AREA TRANSFERRED IN EACH DISTRICT IN ASSAM

DISTRICT AND NATURE OF TENURE	NUMBER OF TRANSFERS									
	By order of Court					By private contract or gift				
	1908-09	1909-10	1910-11	1911-12	1912-13	1908-09	1909-10	1910-11	1911-12	1912-13
1	2	3	4	5	6	7	8	9	10	11
 Cachar—										
Proprietors { revenue-paying	(b)10	(b)20	18	9	32	(b)8,690	(b)8,181	4,786	4,784	11,185
wholly or partially revenue-free	...	...	...	...	...	...	...	...	...	...
Tenants who have statutory (or otherwise recognised) powers of transfer	...	...	...	2	...	...	...	...	3,863	...
 Sylhet—										
Proprietors { revenue-paying	972	...	973	536	494	25,842	8,964	6,798	6,262	7,427
wholly or partially revenue-free	55	...	22	8	...	...	3	7	...	...
Tenants who have statutory (or otherwise recognised) powers of transfer	185	...	...	...	...	...	...	...	...	...
 Goalpara—										
Proprietors { revenue-paying	...	...	...	...	1	...	...	...	...	...
wholly or partially revenue-free	4	44	40	43	...	...	...	...	...	...
Tenants who have statutory (or otherwise recognised) powers of transfer	63	11	8	3	...	418	413	618	535	...
 Kamrup—										
Proprietors { revenue-paying	21	384	62	49	45	5,748	2,609	3,122	2,874	2,698
wholly or partially revenue-free	...	33	13	2	5	278	34	111	121	120
Tenants who have statutory (or otherwise recognised) powers of transfer	...	...	...	...	...	...	...	...	...	...
 Darrang—										
Proprietors { revenue-paying	25	97	147	50	20	12	4,999	2,530	1,999	1,879
wholly or partially revenue-free	...	...	...	...	...	...	...	2	23	...
Tenants who have statutory (or otherwise recognised) powers of transfer	...	...	...	...	...	...	...	...	...	...
 Newgong—										
Proprietors { revenue-paying	(a)	...	...	...	20	(a)	...	...	...	1,245
wholly or partially revenue-free	(a)	4	...	1	...	(a)	...	...	...	...
Tenants who have statutory (or otherwise recognised) powers of transfer	(a)	300	200	58	...	(a)	...	945	1,170	...
 Sibsagar—										
Proprietors { revenue-paying	63	307	423	312	61	4,492	7,762	5,393	8,193	3,614
wholly or partially revenue-free	...	...	...	...	...	...	...	...	...	3
Tenants who have statutory (or otherwise recognised) powers of transfer	...	...	...	...	...	...	...	...	...	...
 Lakhimpur—										
Proprietors { revenue-paying	54	13	29	...	83	1,079	84	...	217	1,779
wholly or partially revenue-free	...	1	...	...	...	...	...	...	...	...
Tenants who have statutory (or otherwise recognised) powers of transfer	...	...	...	...	...	...	...	...	...	...
 Total—										
Proprietors { revenue-paying	1,145	821	1,647	956	706	40,863	30,599	22,629	24,189	29,834
wholly or partially revenue-free	59	87	75	49	5	278	87	130	144	133
Tenants who have statutory (or otherwise recognised) powers of transfer	248	311	208	63	...	413	413	1,463	4,553	...
 TOTAL	1,452	1,219	1,930	1,068	711	41,554	31,040	24,219	28,991	29,967

Note.—Transfers by order of a revenue court are included; and transfers by inheritance and non-permanent transfers, such as leases or usufructuary mortgages are excluded. The information is collected from the mutation registers of Revenue Officers supplemented by statistics obtained from the district registers and the Judge's Courts.

(a) No information

(b) Includes also revenue-free

TRANSFERS OF LAND (ASSAM)

AREA TRANSFERRED (IN ACRES)										DISTRICT AND NATURE OF TENURE
By order of Court					By private contract or gift					
1908-09	1909-10	1910-11	1911-12	1912-13	1908-09	1909-10	1910-11	1911-12	1912-13	
12	13	14	15	16	17	18	19	20	21	22
48	51	13	13	65	4,876	8,033	18,052	10,225	16,532	Cachar—
...	...	...	..	...	..	...	...	...	...	{ Proprietors { revenue-paying wholly or partially revenue-free
...	...	...	1	...	..	...	...	6,686	...	Tenants who have statutory (or otherwise recognised) powers of transfer
(a)	(a)	(a)	(a)	3,810	(a)	(a)	(a)	(a)	7,848	Sylhet—
(a)	(a)	(a)	(a)	...	...	...	(a)	(a)	..	{ Proprietors { revenue-paying wholly or partially revenue-free
(a)	(a)	...	(a)	...	...	...	...	(a)	..	Tenants who have statutory (or otherwise recognised) powers of transfer
(a)	(a)	...	(a)	28	...	..	..	(a)	12	Goalpara—
(a)	(a)	(a)	(a)	..	...	...	(a)	(a)	...	{ Proprietors { revenue-paying wholly or partially revenue-free
(a)	(a)	(a)	(a)	...	(a)	(a)	(a)	(a)	...	Tenants who have statutory (or otherwise recognised) powers of transfer
132	1,453	285	272	205	19,717	4,582	5,161	3,876	4,643	Kamrup—
...	1,565	275	127	189	10,460	1,751	1,540	1,776	954	{ Proprietors { revenue-paying wholly or partially revenue-free
...	...	...	...	...	...	...	...	...	...	Tenants who have statutory (or otherwise recognised) powers of transfer
80	224	452	139	56	253	3,572	5,240	4,366	4,770	Darrang—
...	...	...	...	...	...	...	514	6,656	..	{ Proprietors { revenue-paying wholly or partially revenue-free
...	...	...	...	...	...	...	...	...	...	Tenants who have statutory (or otherwise recognised) powers of transfer
(a)	...	...	...	44	(a)	...	..	...	1,588	Nowgong—
(a)	931	...	51	...	(a)	...	...	...	...	{ Proprietors { revenue-paying wholly or partially revenue-free
(a)	598	408	158	...	(a)	...	1,069	1,667	...	Tenants who have statutory (or otherwise recognised) powers of transfer
724	632	361	1,709	195	5,888	7,859	9,292	14,456	15,165	Sibsagar—
...	...	...	...	...	...	...	...	...	53	{ Proprietors { revenue-paying wholly or partially revenue-free
...	...	...	...	...	...	...	...	...	...	Tenants who have statutory (or otherwise recognised) powers of transfer
68	56	10,145	...	90	1,879	1,274	...	688	4,009	Lakhimpur—
...	6	...	...	...	...	...	...	...	..	{ Proprietors { revenue-paying wholly or partially revenue-free
...	...	...	...	...	...	...	...	...	...	Tenants who have statutory (or otherwise recognised) powers of transfer
1,047	2,416	11,356	2,133	4,491	32,613	25,320	37,745	33,611	54,557	Total—
...	2,502	275	178	189	10,460	1,751	2,054	8,432	1,007	{ Proprietors { revenue-paying wholly or partially revenue-free
...	598	408	169	...	...	..	1,069	8,353	..	Tenants who have statutory (or otherwise recognised) powers of transfer
1,047	5,516	11,939	2,490	4,680	43,073	27,071	40,868	50,396	55,564	TOTAL

See explanation given in the foot-notes (page 363)
(a) No information

TRANSFERS OF LAND
(N.-W. FRONTIER, AJMER)

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Table VI—concluded

No. 103.—NUMBER OF TRANSFERS OF LAND AND AREA TRANSFERRED IN EACH DISTRICT
IN THE NORTH-WEST FRONTIER PROVINCE

DISTRICT AND NATURE OF TENURE	NUMBER OF TRANSFERS									
	By order of Court.					By private contract or gift				
	1908-09	1909-10	1910-11	1911-12	1912-13	1908-09	1909-10	1910-11	1911-12	1912-13
1	2	3	4	5	6	7	8	9	10	11
Hazara—										
Superior ownership and taluk-dari	...	...	...	...	...	...	...	...	...	...
Ownership	56	12	8	7	1	9,457	9,781	7,947	8,679	9,496
Right of occupancy	10	9	6	7	1	3,151	3,826	2,650	3,356	3,628
Peshawar—										
Superior ownership and taluk-dari	...	...	...	...	...	...	...	...	...	...
Ownership	189	178	212	226	176	7,956	9,992	10,690	10,761	11,847
Right of occupancy	...	4	24	16	14	487	508	598	630	728
Kohat—										
Superior ownership and taluk-dari	...	...	...	...	...	...	...	...	...	...
Ownership	52	38	47	50	100	5,106	4,982	4,298	5,216	4,656
Right of occupancy	...	8	2	...	...	152	184	165	269	186
Bannu—										
Superior ownership and taluk-dari	...	...	...	...	...	...	...	...	...	...
Ownership	6	22	27	27	46	9,665	10,833	7,729	7,076	8,569
Right of occupancy	...	...	...	1	...	80	81	65	49	7
Dera Ismail Khan—										
Superior ownership and taluk-dari	...	1	...	5	1	35	27	28	85	37
Ownership	65	29	83	52	46	1,863	1,447	2,112	2,353	2,298
Right of occupancy	8	10	5	4	7	244	275	282	873	372
Tochi—										
Superior ownership and taluk-dari	...	...	...	...	...	...	...	...	...	...
Ownership	15	3	2	2	2	706	411	233	376	672
Right of occupancy	...	...	...	...	...	...	...	...	...	...
Kurram—										
Superior ownership and taluk-dari	...	...	...	...	...	...	...	...	...	...
Ownership	...	11	4	32	1	2,562	2,313	1,244	1,737	1,006
Right of occupancy	...	...	...	2	...	175	62	7	47	15
Total—										
Superior ownership and taluk-dari	...	1	...	7	1	35	27	23	86	38
Ownership	382	298	383	396	372	37,315	39,659	34,248	36,198	38,544
Right of occupancy	13	26	37	30	22	4,239	4,936	3,767	4,724	4,986
TOTAL	395	320	420	433	395	41,589	44,622	38,038	40,958	43,518

Note.—Transfers by mortgage and sale only are included.

No. 104.—NUMBER OF TRANSFERS OF LAND AND AREA TRANSFERRED IN EACH
DISTRICT IN AJMER-MERWARA

DISTRICT AND NATURE OF TENURE	NUMBER OF TRANSFERS									
	By order of Court					By private contract or gift				
	1908-09 (a)	1909-10 (a)	1910-11	1911-12	1912-13	1908-09 (a)	1909-10 (a)	1910-11	1911-12	1912-13
1	2	3	4	5	6	7	8	9	10	11
Ajmer—										
Proprietors { revenue-paying	...	...	4	5	5	...	...	5,359	5,375	4,684
{ wholly or partially revenue-free	...	...	...	...	...	...	...	244	246	711
Merwara—										
Proprietors { revenue-paying	...	...	429	...	7,681	...	...	135	4,804	4,436
{ wholly or partially revenue-free	...	...	...	...	...	...	...	...	...	...
Total—										
Proprietors { revenue-paying	...	...	433	5	7,686	...	...	5,494	10,179	9,120
{ wholly or partially revenue-free	...	...	...	...	...	...	...	244	246	711
TOTAL	...	...	433	5	7,686	...	...	5,738	10,425	9,831

Note.—The figures exclude all changes due to successions, partitions, simple mortgages, redemptions of mortgages, and temporary transfers, such as leases; but mortgages with possession are included. The column "by order of court" includes transfers occasioned by debt incurred by judgment-debtors, as also all other transfers effected by order of courts, civil and revenue.

(a) No transfers

TRANSFERS OF LAND (N.W. FRONTIER, AJMER)

AREA TRANSFERRED (IN ACRES)										DISTRICT AND NATURE OF TENURE
By order of Court					By private contract or gift					
1908-09	1909-10	1910-11	1911-12	1912-13	1908-09	1909-10	1910-11	1911-12	1912-13	
12	13	14	15	16	17	18	19	20	21	22
...	...	...	...	...	...	...	...	...	...	Hasdra—
210	18	14	12	...	16,960	20,981	15,045	10,839	18,282	Superior ownership and taluk-
93	36	25	21	...	4,867	6,802	4,502	6,239	6,197	dari
...	...	...	...	...	...	...	...	...	...	Ownership
1,092	1,352	780	1,715	1,090	18,497	24,944	26,165	21,376	26,379	Right of occupancy
...	20	135	53	99	1,183	1,193	1,749	1,597	1,894	Peshdwar—
...	...	...	...	...	...	...	...	...	...	Superior ownership and taluk-
1,702	454	424	241	495	20,995	19,830	13,724	18,175	14,806	dari
...	3	4	...	...	547	531	440	694	542	Ownership
...	...	...	...	...	...	...	...	...	...	Right of occupancy
23	71	360	106	267	40,238	50,665	32,742	24,213	29,134	Kohat—
...	...	...	10	...	790	803	517	359	38	Superior ownership and taluk-
...	...	...	...	...	...	...	...	...	...	dari
135	47	5	861	2,417	5,471	5,491	2,044	2,422	6,011	Bannu—
5,259	446	1,587	2,486	7,408	31,800	31,900	33,126	30,559	32,420	Superior ownership and taluk-
751	210	291	54	726	4,934	5,624	4,409	4,981	3,961	dari
...	...	...	...	...	...	...	...	...	...	Ownership
...	...	...	...	...	...	...	...	...	...	Right of occupancy
...	...	...	...	...	...	...	...	...	...	Dera Ismail Khan—
...	...	...	...	...	...	...	...	...	...	Superior ownership and taluk-
...	...	...	...	...	...	...	...	...	...	dari
...	...	...	...	...	...	...	...	...	...	Ownership
...	...	...	...	...	...	...	...	...	...	Right of occupancy
...	...	...	...	...	...	...	...	...	...	Tochi—
...	...	...	...	...	...	...	...	...	...	Superior ownership and taluk-
...	...	...	...	...	...	...	...	...	...	dari
...	...	...	...	...	...	...	...	...	...	Ownership
...	...	...	...	...	...	...	...	...	...	Right of occupancy
...	...	...	...	...	...	...	...	...	...	Kurram—
...	...	...	...	...	...	...	...	...	...	Superior ownership and taluk-
...	...	...	...	...	...	...	...	...	...	dari
...	...	...	...	...	...	...	...	...	...	Ownership
...	...	...	...	...	...	...	...	...	...	Right of occupancy
...	...	...	...	...	...	...	...	...	...	Total
135	47	5	861	2,417	5,471	5,491	2,044	2,548	6,025	Superior ownership and taluk-
8,294	2,392	3,166	4,636	9,264	132,949	149,736	121,760	127,705	122,155	dari
844	269	455	139	825	12,699	15,028	11,623	13,877	12,152	Ownership
9,278	2,708	3,626	5,636	15,500	151,119	170,255	135,427	144,130	140,332	Right of occupancy
...	...	...	...	...	...	...	...	...	...	TOTAL

AREA TRANSFERRED (IN ACRES)										DISTRICT AND NATURE OF TENURE
By order of Court					By private contract or gift					
1908-09 (a)	1909-10 (a)	1910-11	1911-12	1912-13	1908-09 (a)	1909-10 (a)	1910-11	1911-12	1912-13	
13	18	14	15	16	17	18	19	20	21	
...	...	21	25	20	...	...	22,342	22,372	17,882	Ajmer— Proprietors { revenue-paying wholly or partially revenue free
...	...	...	...	...	...	...	2,807	2,317	2,885	
...	...	429	...	6,716	...	...	344	8,162	10,663	
...	...	...	...	...	...	...	...	...	...	
...	...	450	25	6,736	...	...	22,686	30,534	28,045	Merwara— Proprietors { revenue-paying wholly or partially revenue free
...	...	...	...	...	...	...	2,307	2,317	2,885	
...	...	450	25	6,736	...	...	24,993	32,851	30,880	

See explanation given in the foot-notes (page 364)
(a) No transfers

APPENDICES.

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 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 these 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 cases 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 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 are shown for each district.

Madras.—The experiments accepted as unobjectionable during the quinquennium were 3,385 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 to 87 lbs. of unirrigated cotton from 44 to 55 lbs., and of irrigated jawar from 1,118 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 to 380 lbs. and that of bajra from 776 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 to 900 lbs. and that of maize from 1,050 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 have 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 to 379 lbs. and of that of gram from 701 to 549 lbs., and the increase of the yield of rapeseed from 254 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 38 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 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 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 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 to 841 lbs., of sesamum from 215 to 199 lbs., of sugarcane from 3,279 to 3,138 lbs. and of cotton from 89 to 79 lbs., while that of ragi has been raised from 562 to 581 lbs. and of horse gram from 229 to 257 lbs.

AVERAGE YIELD OF CROPS
(ALL PROVINCES)

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APPENDIX A—continued

No. 1.—AVERAGE OUTTURNS (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	Jowar	Bajra	Ragi	Mango	Peas
Bengal		(a) 982 (b) 1,104 (c) 807	891	...	...	...	...	...	...
Madras	Irrigated Unirrigated	1,193 887	...	...	1,379 721	1,020 659	1,419 1,075	...	...
Bombay	Irrigated Unirrigated Both	...	1,250 510 575	...	1,550 670	...	1,400 1,080	...	...
Sird	Irrigated	...	1,340	1,076	1,896	971	...	...	...
United Provinces	Irrigated Unirrigated Both	1,100 850 900	1,250 850 1,050	1,300 900 1,100	...	650 ...	...	...	1,150 800 1,000
Bihar and Orissa*		(a) 1,234 (b) 800 (c) 800	(d) 984 (e) 451	881	...	...	820	820	...
Punjab	Irrigated Unirrigated Both	782 474 683	898 555 726	1,018 592 716	488 381 406	521 365 379	...	1,112 766 908	...
Upper Burma	Irrigated Unirrigated Both	1,094 891 997	...	...	...	...	...	...	(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	1,856 785 1,292	...
Ajmer-Merwara	Irrigated Unirrigated Both	...	...	1,248 550 1,168	...	187	...	...	...
Coorg	Unirrigated	1,488	...	...	...	...	...	...	...
Average for British India		1,005	814	877	904	505	1,147	...	833
Mysore	Irrigated Unirrigated	841 ...	...	...	...	...	...	...	...

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

* The estimates for Bihar and Orissa are the standards, adopted provisionally by the Agricultural Department of the provinces, which are partly based on the information collected in 1892. The results of the experiments for the period ending 1911-12, as recorded 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) Dolicholablab (g) Phaseolus lunatus

AVERAGE YIELD OF CROPS (ALL PROVINCES)

Arhar	Groundnut	Linseed	Oil of jingili (sesamum)	Rape and mustard	Sugarcane (girs)	Cotton (cleaned)	Jute	PROVINCE
...	881	492	...	492	2,905	155	1,271	{ Irrigated Unirrigated } Bengal
...	...	...	372	...	6,701	87	...	Irrigated } Madras
...	...	...	238	...	...	55	...	Unirrigated }
...	1,200	...	...	...	6,950	...	...	Irrigated } Bombay
...	410	360	400	625	...	100	...	Unirrigated }
...	...	...	...	...	...	...	...	Both }
...	476	...	394	602	4,233	380	...	Irrigated Sind
...	950	...	...	...	2,600	220	...	Irrigated } United Provinces
750	800	600	280	600	...	130	...	Unirrigated }
...	800	...	...	...	...	160	...	Both }
881	881	492	...	492	2,460	155	1,200	{ Irrigated Unirrigated } Bihar and Orissa
...	625	...	...	498	1,748	126	...	Irrigated } Punjab
...	534	...	...	330	1,467	95	...	Unirrigated }
...	549	...	...	396	1,686	118	...	Both }
...	...	...	...	...	...	...	...	Irrigated } Upper Burma
...	414	...	229	...	...	122	...	Unirrigated }
...	...	...	...	...	...	...	...	Both }
...	...	...	...	...	...	...	...	Unirrigated Lower Burma
...	...	...	...	...	...	...	...	Irrigated } Central Provinces and Berar
...	532	226	224	...	2,569	86	...	Unirrigated }
...	...	...	...	...	...	...	...	Both }
...	...	448	448	504	1,904	154	1,200	Unirrigated Assam
...	730	...	...	544	2,430	173	...	Irrigated } North-West Frontier
...	449	...	...	411	...	142	...	Unirrigated }
...	449	...	...	418	...	160	...	Both }
...	...	...	...	...	...	180	...	Irrigated } Ajmer-Merwara
...	...	...	...	...	...	127	...	Unirrigated }
...	...	...	...	...	...	170	...	Both }
...	...	...	...	...	...	...	...	Coorg
812	688	360	272	467	2,719	98	1,263	Average for British India
...	...	...	...	...	3,188	...	...	{ Irrigated Unirrigated } Mysore
...	...	...	199	...	...	79	...	

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 1,082	1,517 ...	1,138 1,109	... 632	...	...	...
Birbham	{ Irrigated Unirrigated	1,385 1,023	... 1,222	... ...	218 ...	...	...	1,097 ...
Bankura	{ Irrigated Unirrigated	1,258 ...	1,286 ...	1,061 ...	... ...	...	...	... ...
Midnapur	{ Irrigated Unirrigated	1,135 813	1,072 801	... 980	... 811	945 ...	... ...	... ...
Hooghly	{ Irrigated Unirrigated	1,278 1,118	... 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	... 1,056	... 1,161	... ...	... 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	... 868	... 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	...	...	... ...
Bogra	{ Irrigated Unirrigated	... 1,023	... 713	... ...	... 827	...	...	... ...

Barley (a)	Gram	Rape and mustard	Linseed	Sesamum (til)	Potato (a)	Sugarcane (gur)	Cotton (cleaned) (a)	Jute	DISTRICT
826	...	...	...	...	14,783	3,372	...	...	Irrigated . Unirrigated } Bardwan
...	...	...	...	...	...	2,097 5,811	...	...	Irrigated Unirrigated } Birbhum
...	...	...	...	...	...	1,677	...	...	Irrigated Unirrigated } Bankura
...	...	...	...	...	...	...	...	895 1,342	Irrigated Unirrigated } Midnapur
...	...	...	...	...	15,428	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	...	...	...	...	1,308	Irrigated Unirrigated } Murshidabad
...	...	244	...	...	...	...	...	1,249	Irrigated Unirrigated } Jessore
...	...	...	...	...	...	...	...	2,408	Irrigated Unirrigated } Khulna
...	...	...	...	...	...	1,080	...	1,201	Irrigated Unirrigated } Rajshahi
...	...	461	...	...	...	1,396	...	1,159	Irrigated Unirrigated } Dinajpur
...	...	660	...	...	...	1,000	...	978	Irrigated Unirrigated } Jalpaiguri
...	...	...	...	...	...	...	...	928 994	Irrigated Unirrigated } Darjeeling
...	...	295	...	...	...	3,587	...	1,316	Irrigated Unirrigated } Rangpur
...	...	...	...	...	...	3,616	...	1,072	Irrigated Unirrigated } Bogra

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—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	...	...	...
Bakarganj . { Irrigated Unirrigated	... 889	..	... 530	... 709	...	...	...
Chittagong . { Irrigated Unirrigated	1,154	1,388	1,130	... 846	1,250	... 844	..
Tipperra { 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	1,360 1,092	1,393 986	1,064 906	649 813	948 1,312	... 1,156	1,027 593

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 (oil)	Potato (a)	Sugar- cane (gür)	Cotton (cleaned) (a)	Jute	DISTRICT
...	...	690	...	679	...	...	...	1,181	Irrigated : } Pabna Unirrigated
...	330	625	250	...	...	...	...	848	Irrigated : } Malda Unirrigated
...	1,008	876	140	679	...	...	...	1,394	Irrigated : } Dacca Unirrigated
...	...	877	...	470	...	2,784	...	1,225	Irrigated : } Matmensingh Unirrigated
...	...	285	...	...	...	2,966	...	1,719	Irrigated : } Faridpur Unirrigated
...	...	...	...	...	...	871	...	894	Irrigated : } Bakarganj Unirrigated
...	...	...	...	...	...	4,000	...	...	Irrigated : } Chittagong Unirrigated
...	...	...	...	...	...	...	...	1,297	Irrigated : } Thppera Unirrigated
...	...	200	...	287	...	...	...	...	Irrigated : } Nonkhall Unirrigated
...	...	540	...	...	...	...	128	...	Irrigated : } Chittagong Hill Unirrigated : } Tracts
980	917	478	345	516	15,100	3,268	104	911	Irrigated : } Average for the Unirrigated : } Province.

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

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	TL or jinjli (sesamum)	Sugarcane (year)	Cotton (cleaned)
Ganjam { Irrigated .	1,087	...	...	1,169	305	5,276	...
Unirrigated .	...	...	684	714	248	...	...
Vizagapatam { Irrigated .	1,269	...	995	1,269	491	7,231	...
Unirrigated .	...	...	878	996	401	...	...
Godavari { Irrigated .	1,022	...	...	740	343	7,139	...
Unirrigated .	...	989	589	841	136	...	...
Kistna { Irrigated .	1,090	1,209	...	1,214	449	4,396	...
Unirrigated .	...	818	616	1,110	228	...	118
Guntur { Irrigated .	1,339	...	1,487	1,882	...	...	...
Unirrigated .	...	720	713	1,543	...	...	70
Nellore { Irrigated .	1,067	1,583	1,217	1,697	274	...	...
Unirrigated .	...	617	986	1,282	182	...	20
Karnul { Irrigated .	1,228	...	...	1,869	...	5,241	...
Unirrigated .	...	591	516	752	167	...	49
Bellary { Irrigated .	1,187	...	...	1,042	...	7,185	...
Unirrigated .	...	486	471	417	232	...	52
Anantapur { Irrigated .	1,286	1,391	...	1,365	...	6,067	...
Unirrigated .	...	689	477	1,085	140	...	59
Cuddapah { Irrigated .	1,437	...	...	1,625	...	7,409	85
Unirrigated .	...	661	626	1,743	...	...	36
North Arcot { Irrigated .	1,368	1,688	1,183	1,429	494	6,799	...
Unirrigated .	...	932	687	1,038	433	...	...
Chingleput { Irrigated .	1,078	...	913	1,176	266	...	...
Unirrigated .	...	...	698	805	228	...	...
South Arcot { Irrigated .	1,301	...	...	1,516	425	5,240	...
Unirrigated .	...	...	693	1,040	340	...	...
Salem { Irrigated .	1,511	1,341	629	1,414	482	8,435	...
Unirrigated .	...	843	779	970	260	...	18
Coimbatore { Irrigated .	1,438	1,216	1,026	1,629	385	8,636	...
Unirrigated .	...	1,180	594	1,652	380	...	87
Trichinopoly { Irrigated .	1,452	853	559	1,194	270	3,486	...
Unirrigated .	...	613	522	868	213	...	40
Tanjore { Irrigated .	931	...	660	1,092	259	...	...
Unirrigated .	...	...	780	502	270	...	...
Madura { Irrigated .	1,552	1,011	...	1,026	474	...	...
Unirrigated .	...	908	449	1,109	232	...	71
Ramnad (b) { Irrigated .	1,232	...	...	2,335	...	...	...
Unirrigated .	...	...	...	...	...	...	58
Tinnevely { Irrigated .	1,526	1,643	565	1,523	441	...	97
Unirrigated .	...	1,065	461	1,198	298	...	82
Nilgiris { Irrigated .	...	...	...	962	...	...	...
Unirrigated .	1,335	...	...	...	...	...	...
Malabar { Irrigated .	970	...	...	...	143	...	...
Unirrigated .	753	...	...	1,350	143	...	...
South Canara { Irrigated .	916	...	...	...	...	...	...
Unirrigated .	1,014	...	...	...	...	...	...
Average for the Province { Irrigated .	1,193	1,379	1,020	1,419	373	6,701	87
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

AVERAGE YIELD OF CROPS
(BOMBAY)

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APPENDIX A—continued

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

DISTRICT		Rice (husked)	Wheat	Jawar	Rajra	Ragi	Maize	Gram	Linseed
Ahmadabad	{ Irrigated Unirrigated	... 1,440	1,800 560	(a) 1,080 ...	... 840	1,440 ...	... ...	500 ...	350 ...
Kaira	{ Irrigated Unirrigated	... 1,320	1,800 600	(a) 1,050 ...	... 970	1,440 ...	... ...	500 ...	...
Panch Mahals	{ Irrigated Unirrigated	... 1,200	1,800 700	(a) 1,120 ...	... 825	1,420 1,190	... ...	600 ...	360 ...
Bromch	{ Irrigated Unirrigated	... 900	... 600	(a) 1,160 (b) 1,020	... 700	... 1,500	... ...	... 500	... ...
Surat	{ Irrigated Unirrigated	... 1,560	... 560	(a) 760 ...	... 600	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	... 310	... 900	... ...	1,200 320	... 360
Sholapur	{ Irrigated Unirrigated	... 900	1,080 400	(b) 1,500 (b) 540	... 320	... ...	... ...	1,200 360	... 360
Salas	{ Irrigated Unirrigated	... 1,120	1,850 480	(b) 1,500 720	... 360	... 900	... ...	1,200 380	... 360
Bolgaum	{ 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	...
Kolaba	"	1,320	...	...	...	800	...	380	...
Ratnagiri	"	1,020	...	...	...	680	...	320	...
Kanara	"	1,320	...	...	...	1,470	...	480	...
Average for the Province	{ Irrigated Unirrigated Both	... 1,230 ...	1,250 510 575	1,550 670 ...	... 400 ...	1,400 1,080 ...	... ... ...	1,200 410 ...	... 360 ...

(a) Kharif

(b) Rabi

AVERAGE YIELD OF CROPS
(BOMBAY)

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

AVERAGE YIELD OF CROPS
(UNITED PROVINCES)

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APPENDIX A—continued

No. 5.—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	{ Naini Tal	Irrigated .							
	{ Almora		1,600	1,250	...	...	...	...	...
	{ Garhwál	Unirrigated .	1,400	1,000	...	...	...	...	...
	{ Dehra-Dún								
Moradabad	{ Moradabad	Irrigated .							
	{ Saháranpur		1,050	1,250	1,300	...	...	...	1,000
	{ Bijnor	Unirrigated .	800	800	1,000	650	500	1,000	750
	{ Bareilly								
Muzaffarnagar	{ Muzaffarnagar	Irrigated .	1,000	1,300	1,500	...	...	...	1,000
	{ Meerut	Unirrigated .	800	850	1,000	700	450	1,200	800
Bulandshahr	{ Bulandshahr	Irrigated .	1,000	1,300	1,500	..	..	...	1,000
	{ Aligarh	Unirrigated .	700	900	1,000	650	650	1,200	800
Mainpuri	{ Mainpuri	Irrigated .							
	{ Etáh		950	1,250	1,300	..	...	...	1,000
	{ Etawáh	Unirrigated .	600	700	800	650	500	1,200	700
	{ Farukhabad								
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	I	1,000	1,250	1,300	...	...	...	950
	{ Hardoi	U	800	900	1,100	650	550	1,200	900
Bahraich	{ Bahraich	I	1,050	1,300	1,300	...	...	...	1,000
	{ Pilibit		900	1,050	1,100	600	550	1,200	950
	{ Kheri	U							

* The districts are grouped into 24 regions, and the determinations made in the representative district of each region are applied to the whole of that region

is, and the determinations made in the representative district of each region

Pean	Arhar	Linseed	Sesamum (til or jinjili)	Rape and mustard	Sugarcane (gur)	Cotton (cleaned)	Indigo (dye)	District	
...	...	...	...	...	...	..	...	Irrigated	{ Naini Tal Almora }
...	...	...	...	...	...	..	...	Unirrigated	{ Garhwál Dehra-Dún }
750	..	...	...	...	2,450	...	18	Irrigated	{ Moradabad Sahāranpur }
500	...	400	320	430	...	120	...	Unirrigated	{ Bijnor Bareilly }
800	...	...	...	...	2,800	200	19	Irrigated	{ Muzaffarnagar }
550	...	...	350	480	...	140	...	Unirrigated	{ Meerut }
1,000	...	...	...	...	2,500	200	19	Irrigated	{ Bulandshahr }
650	...	...	350	480	...	130	...	Unirrigated	{ Aligarh }
800	...	...	...	...	2,200	230	15	Irrigated	{ Mainpuri Etáh }
550	...	...	410	...	...	160	...	Unirrigated	{ Etáwáh Farukhabad }
650	...	...	...	...	2,000	230	15	Irrigated	{ Muttra }
400	...	...	410	...	...	150	...	Unirrigated	{ Ágra }
650	...	...	...	...	2,400	..	18	Irrigated	{ Badaun }
400	...	400	320	430	...	120	...	Unirrigated	{ Shahjahanpur }
1,000	...	...	...	...	2,700	...	...	Irrigated	{ Sitapur }
650	650	500	300	570	...	110	...	Unirrigated	{ Hardoi }
850	...	...	...	...	2,000	..	...	Irrigated	{ Bahraich Pillbit }
600	800	500	330	700	...	110	...	Unirrigated	{ Kheri }

AVERAGE YIELD OF CROPS
(UNITED PROVINCES)

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APPENDIX A—continued

No. 5.—AVERAGE YIELD (lb PER ACRE) OF PRINCIPAL CROPS IN EACH DISTRICT OF THE UNITED PROVINCES OF AGRA AND OUDH—continued

DISTRICT			Rice (husked)	Wheat	Barley	Jawar	Bajra	Maize	Gram
Unao	Unao	Irrigated	1,000	1,250	1,400	...	...	...	1,000
	Lucknow	Unirrigated	800	600	700	650	600	1,100	900
	Rae-Bareilly								
Sultanpur	Sultanpur	Irrigated	1,100	1,250	1,500	...	...	...	1,000
	Barnbanki	Unirrigated	800	650	800	650	650	1,100	950
	Partabgarh								
Fatehpur	Fatehpur	Irrigated	1,050	1,250	1,300	...	...	...	1,000
	Cawnpore	Unirrigated	800	600	700	650	650	1,000	900
	Allahabad								
Benares	Benares	Irrigated	1,000	1,100	1,300	...	...	...	800
	Jaunpur	Unirrigated	700	600	800	650	600	1,000	600
	Mirzapur								
Ballia	Ballia	Irrigated	1,200	1,250	1,250	...	...	...	950
	Ghazipur	Unirrigated	900	750	800	650	700	1,100	900
	Azamgarh								
Basti	Basti	Irrigated	1,050	1,250	1,300	...	...	...	900
	Gonda	Unirrigated	900	800	750	650	400	1,000	750
	Gorakhpur								
Jhansi	Jhansi	Irrigated	800	1,000	1,000	...	...	...	700
	Jalaun	Unirrigated	550	650	500	650	400	650	550
Banda	Banda	Irrigated	800	800	1,000	...	...	...	800
	Hamirpur	Unirrigated	700	500	500	650	400	650	750
Average for the Province			1,100	1,250	1,300	...	...	...	950
			850	850	900	650	550	1,100	800
			900	1,050	1,100	...	...	...	800

AVERAGE YIELD OF CROPS
(UNITED PROVINCES)

Peas	Arhar	Linseed	Sesamum (til or jinjili)	Rape and mustard	Sugarcane (gur)	Cotton (cleaned)	Indigo (dye)	District	
1,150	...	...	...	...	2,600	..	...	Irrigated	{ Unao }
650	700	400	300	490	...	110	...	Unirrigated	{ Lucknow }
									{ Rae-Baroli }
1,200	...	...	...	...	2,000	.	20	Irrigated	{ Sultanpur }
650	850	500	390	...	..	110	...	Unirrigated	{ Barabanki }
									{ Partabgarh }
									{ Fyzabad }
800	...	...	..	...	2,150	...	17	Irrigated	{ Fatehpur }
550	550	400	320	...	...	120	...	Unirrigated	{ Cawnpore }
									{ Allahabad }
1,200	...	...	...	..	2,600	...	19	Irrigated	{ Benares }
550	700	500	280	...	...	100	...	Unirrigated	{ Jaunpur }
									{ Mirzapur }
1,200	...	...	...	...	3,200	..	19	Irrigated	{ Ballia }
650	900	650	280	660	...	100	..	Unirrigated	{ Ghazipur }
									{ Azamgarh }
1,200	...	...	...	...	2,500	...	19	Irrigated	{ Basti }
600	650	500	280	570	...	100	...	Unirrigated	{ Gonda }
									{ Gorakhpur }
...	...	...	...	...	1,500	...	...	Irrigated	{ Jhansi }
...	...	400	280	...	..	120	..	Unirrigated	{ Jalaini }
...	...	...	...	...	1,500	...	...	Irrigated	{ Banda }
...	500	500	280	...	...	120	...	Unirrigated	{ Hamirpur }
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 (Tb 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	348	...	...	...	...	970	714	549
	{ Unirrigated	661	394	...	...	...	...	667	442	405
Gaya	{ Irrigated	924	1,049	...	...	...	...	912	470	...
	{ Unirrigated	785	..	...	...	...	...	520	490	577
Shahabad	{ Irrigated	744	573	..	..	..	..	898	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	922	...	...	...	...	...	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	792	951	957	457	...	...	831	699	601
Purnea	{ Irrigated	...	...	...	...	..	...	...	...	...
	{ Unirrigated	646	851	1,197	351	..	..	625	1,336	...
Santhal Parganas	{ Irrigated	1,036	598	..	...	...	...	...	...	...
	{ Unirrigated	1,081	...	..	...	...	..	1,214	...	780
Cuttack	{ Irrigated	840	857	..	1,036	707	720	...	..	..
	{ Unirrigated	682	958	945	732	964	...	...	...	...
Balsore	{ Irrigated	..	792	..	...	...	...	...	...	...
	{ Unirrigated	750	736	...	...	..	...	...	...	...
Angul	{ Irrigated	1,096	1,169	..	...	..	...	...	..	...
	{ Unirrigated	824	865	...	271	..	...	...	...	559
Puri	{ Irrigated	1,611	1,066	...	..	..	...	...	..	...
	{ Unirrigated	826	970	..	..	...	...	...	...	...
Sambalpur	{ Irrigated	1,221	1,107	..	564	..	...	...	..	...
	{ Unirrigated	1,038	1,109	921	792	...	...	...	...	..
Hazáribágh	{ Irrigated	669	489	...	..	..	...	...	...	...
	{ Unirrigated	615	483	...	414	...	...	...	...	731
Ránsi	{ Irrigated	1,193	...	..	..	...	...	...	...	...
	{ Unirrigated	880	893	..	464	...	...	...	...	...
Paláman	{ Irrigated	988	206	...	..	..	...	682	799	627
	{ Unirrigated	347	..	..	..	...	..	335	552	525
Mánbhum	{ Irrigated	1,278	...	...	...	...	...	...	...	...
	{ Unirrigated	1,288	..	...	463	...	...	...	...	1,470
Singbhum	{ Irrigated	978	424	...	424	...	...	...	...	...
	{ Unirrigated	899	...	..	778	...	..	...	..	..
Average for the Province	{ Irrigated	958	681	694	675	707	720	852	683	719
	{ Unirrigated	734	848	822	519	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)

Ragi or marua	Kodo	Gram	Arhar	Peas	Masur	Rape and mustard	Linseed	Potato	Sugar- cane (guir)	Cotton (cleaned)	Jute	DISTRICT
520 023		557 514	440 744	560 554	413 791	426 62	87 64	...	2,204 1,581	...	...	Irrigated Unirrigated } Patna
489 1,015		736 1,005	... ...	... ...	... ...	.. ..	143 414	...	...	...	...	Irrigated Unirrigated } Gaya
... ...		784 784	... ...	... ...	... ...	... ...	... ...	...	...	...	...	Irrigated Unirrigated } Shahabad
722	731	1,029	1,331 644	645	...	...	...	...	2,805	...	...	Irrigated Unirrigated } Saran
... ...	650 ...	... ...	1,081 ...	... ...	... ...	528 ...	1,234 ...	...	2,585 4,460	...	...	Irrigated Unirrigated } Champaran
926 872			192 ...	... ...	... ...	298 ...	... ...	...	...	81	...	Irrigated Unirrigated } Muzaffarpur
1,214 871		265 254	468 655	... ...	504	900 471	123 ...	2,084	...	53	...	Irrigated Unirrigated } Darbhanga
... ...		420 ...	854 ...	... ...	... ...	... ...	... ...	...	...	...	...	Irrigated Unirrigated } Monghyr
694	...	961 269	1,154	... ...	... ...	... ...	44	...	1,196	...	...	Irrigated Unirrigated } Bhagalpur
... ...		501 ...	... ...	... ...	... ...	403 ...	... ...	...	...	...	826	Irrigated Unirrigated } Purnea
552	...							...	...	...	...	Irrigated Unirrigated } Sonthal Parganas
... ...								...	...	...	823 1,114	Irrigated Unirrigated } Cuttack
... ...								...	...	...	...	Irrigated Unirrigated } Balasore
... ...						252 ...	... ...	...	1,198 1,509	...	...	Irrigated Unirrigated } Angul
... ...								...	1,919	...	...	Irrigated Unirrigated } Puri
... ...								...	2,689 5,941	...	...	Irrigated Unirrigated } Sambalpur
440	...							...	...	...	...	Irrigated Unirrigated } Hazaribagh
764	...							...	...	151	...	Irrigated Unirrigated } Ranchi
... ...		281 329	165	... ...	... ...	197 170	51	...	...	...	...	Irrigated Unirrigated } Palamu
822	...							...	1,210	43	...	Irrigated Unirrigated } Manbhum
... ...			514	... ...	... ...	... ...	... ...	...	...	...	...	Irrigated Unirrigated } Singhbhum
790 738	... 891	587 567	746 665	560 600	413 648	508 311	218 361	2,084	2,854 3,379	85	823 970	Irrigated Unirrigated } Average for the Province

AVERAGE YIELD OF CROPS
(PUNJAB)

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APPENDIX A—continued

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

DISTRICT		Rice (unhusked)	Wheat	Barley	Jawar	Bajra
Hissar	{ Irrigated . . .	920	1,000	1,100	480	460
	{ Unirrigated . . .	...	480	440	340	320
Rohtak	{ Irrigated . . .	1,000	1,180	1,200	800	470
	{ Unirrigated . . .	...	600	880	530	420
Gurgaon	{ Irrigated . . .	...	1,040	1,340	600	520
	{ Unirrigated . . .	...	570	650	440	340
Karnal	{ Irrigated . . .	870	1,070	1,030	520	500
	{ Unirrigated . . .	570	560	560	330	330
Ambala	{ Irrigated . . .	1,100	1,080	900	520	520
	{ Unirrigated . . .	720	720	560	350	360
Simla	{ Irrigated . . .	...	600	...	...	...
	{ Unirrigated . . .	...	560	...	...	...
Kangra	{ Irrigated . . .	980	500	460	...	...
	{ Unirrigated . . .	840	450	580	...	...
Hoshiapur	{ Irrigated . . .	1,500	840	830	...	520
	{ Unirrigated . . .	900	700	700	...	350
Jalandhar	{ Irrigated . . .	1,100	1,140	1,100	...	...
	{ Unirrigated . . .	600	730	800	...	...
Ludhiana	{ Irrigated . . .	560	1,160	1,160	570	400
	{ Unirrigated . . .	440	520	520	530	370
Ferozpur	{ Irrigated . . .	1,000	960	1,080	520	480
	{ Unirrigated . . .	480	520	640	360	320
Multan	{ Irrigated . . .	870	760	720	470	500
	{ Unirrigated . . .	...	580	560	420	420
Jhang	{ Irrigated . . .	...	820	820	500	560
	{ Unirrigated . . .	...	600	600	460	420
Mianwali	{ Irrigated . . .	...	500	520	420	480
	{ Unirrigated . . .	...	480	580	370	420
Lyallpur	{ Irrigated . . .	1,600	1,000	1,000	560	560
	{ Unirrigated . . .	...	480	...	...	...
Montgomery	{ Irrigated . . .	1,200	760	900	500	500
	{ Unirrigated . . .	1,150	600	620	400	400
Lahore	{ Irrigated . . .	1,280	960	1,060	520	560
	{ Unirrigated . . .	520	520	620	320	320
Amritsar	{ Irrigated . . .	1,600	1,050	1,000	...	...
	{ Unirrigated . . .	840	640	540	...	...
Gurdaspur	{ Irrigated . . .	1,340	1,050	1,000	580	580
	{ Unirrigated . . .	830	720	680	440	510
Sialkot	{ Irrigated . . .	1,600	960	1,000	...	600
	{ Unirrigated . . .	1,000	600	700	400	500
Gujrat	{ Irrigated . . .	1,220	900	1,000	540	680
	{ Unirrigated . . .	...	600	700	480	540
Gujranwala	{ Irrigated . . .	1,700	820	800	260	480
	{ Unirrigated . . .	1,200	450	440	260	340
Shahpur	{ Irrigated . . .	1,000	840	1,040	420	640
	{ Unirrigated . . .	800	600	720	320	420
Jhelum	{ Irrigated . . .	...	860	1,000	...	780
	{ Unirrigated . . .	820	500	620	...	440
Rawalpindi	{ Irrigated . . .	990	710	810	...	710
	{ Unirrigated . . .	...	480	580	340	380
Attock	{ Irrigated . . .	...	770	940	...	800
	{ Unirrigated . . .	...	380	450	360	350
Dera Ghazi Khan	{ Irrigated . . .	800	700	750	420	420
	{ Unirrigated . . .	780	500	540	210	210
Muzaffargarh	{ Irrigated . . .	1,000	700	720	480	450
	{ Unirrigated . . .	800	500	520	380	320
Average for the Prov. ince	{ Irrigated . . .	1,208	898	1,018	488	521
	{ Unirrigated . . .	729	555	592	361	355
	{ Both . . .	1,068	726	716	426	379

AVERAGE YIELD OF CROPS
(PUNJAB)

Maize	Gram	Rapeseed	Sugarcane (gr)	Cotton (cleaned)	DISTRICT	
...	680	480	...	136	Irrigated	} Hissar
...	460	370	...	86	Unirrigated	
...	820	500	2,650	174	Irrigated	} Rohtak
...	580	440	1,740	108	Unirrigated	
...	900	600	1,720	140	Irrigated	} Gurgaon
...	610	370	930	116	Unirrigated	
1,120	980	560	2,140	175	Irrigated	} Karnal
640	540	360	1,250	96	Unirrigated	
1,120	980	560	2,140	141	Irrigated	} Ambala
700	640	360	1,840	96	Unirrigated	
...	...	...	...	...	Irrigated	} Simla
...	...	...	...	...	Unirrigated	
720	...	360	...	48	Irrigated	} Kangra
720	400	240	620	48	Unirrigated	
1,860	700	480	2,000	164	Irrigated	} Hoshiarpur
900	560	360	1,500	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	...	69	Unirrigated	
1,100	580	500	1,700	132	Irrigated	} Lahore
480	560	350	1,000	72	Unirrigated	
1,180	740	580	2,000	147	Irrigated	} Amritsar
670	600	400	1,150	85	Unirrigated	
1,120	580	630	2,300	126	Irrigated	} Gurdaspur
750	570	350	1,520	93	Unirrigated	
1,020	600	480	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	1,280	102	Irrigated	} Gujranwala
600	620	350	1,070	76	Unirrigated	
960	600	560	1,600	132	Irrigated	} Shahpur
480	600	400	...	66	Unirrigated	
1,040	830	420	...	146	Irrigated	} Jhelum
620	570	280	...	61	Unirrigated	
1,270	...	290	...	116	Irrigated	} Rawalpindi
1,000	510	280	...	41	Unirrigated	
1,440	500	480	780	100	Irrigated	} Attock
580	540	240	...	68	Unirrigated	
...	390	240	...	100	Irrigated	} Dera Ghazi Khan
...	440	200	...	62	Unirrigated	
...	340	270	1,200	80	Irrigated	} Multan
...	420	200	...	32	Unirrigated	
1,112	525	498	1,748	126	Irrigated	} Average for the Province
746	534	330	1,467	95	Unirrigated	
908	549	396	1,696	118	Both	

AVERAGE YIELD OF CROPS **390**
(BURMA)

APPENDIX A—continued

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

DISTRICT		Rice	Wheat	Jawar	Gram	Sesamum (oil or jinjili)	Cotton (cleaned)	Pean ^a	
								Pegyl	Pegya
UPPER BURMA—									
Mandalay	{ Irrigated	1,024	..	..	..	..	..	..	..
	{ Unirrigated	1,005	468	..	485	246	..	802	1,180
Bhamo	{ Irrigated	968	..	..	..	..	..	..	..
	{ Unirrigated	1,015	..	..	..	..	..	..	..
Shwebo	{ Irrigated	1,241	..	..	..	..	..	..	..
	{ Unirrigated	797	536	111	279	348	42	540	792
Myitkyna	{ Irrigated	1,849	..	..	..	..	..	..	..
	{ Unirrigated	1,201	..	..	..	..	..	..	..
Saguing	{ Irrigated	783	..	..	..	..	..	..	..
	{ Unirrigated	608	280	234	269	148	154	726	847
Katha	{ Irrigated	1,342	..	..	..	..	..	..	..
	{ Unirrigated	1,013	..	..	..	..	..	..	..
Lower Chindwin	{ Irrigated	777	..	..	..	..	..	..	..
	{ Unirrigated	811	..	420	..	146	..	..	1,063
Upper Chindwin	{ Irrigated	..	..	..	..	..	..	..	..
	{ Unirrigated	1,069	..	..	..	..	..	..	..
Pakokku	{ Irrigated	1,068	..	..	..	..	..	..	..
	{ Unirrigated	887	..	346	1,004	262	..	644	1,080
Thayetmyo	{ Irrigated	1,222	..	..	..	..	..	..	..
	{ Unirrigated	1,074	..	..	..	351	102	..	..
Mingun	{ Irrigated	1,527	..	..	..	..	..	..	..
	{ Unirrigated	990	665	426	779	520	161	986	1,101
Magwe	{ Irrigated	1,097	..	..	..	..	..	..	..
	{ Unirrigated	754	..	250	..	231	..	..	..
Kyaukse	{ Irrigated	1,040	..	..	..	..	..	..	..
	{ Unirrigated	..	96	..	..	168	..	..	..
Meiktila	{ Irrigated	583	..	..	..	..	..	..	..
	{ Unirrigated	613	..	127	..	146	93	..	213
Yamethin	{ Irrigated	1,162	..	..	..	..	..	..	..
	{ Unirrigated	876	..	312	313	234	69	486	..
Mingyan	{ Irrigated	708	..	..	..	..	..	..	..
	{ Unirrigated	644	..	253	..	166	77	..	..
Average for the Prov- ince	{ Irrigated	1,094	..	..	..	..	..	..	..
	{ Unirrigated	891	322	264	414	229	122	478	855
	{ Both	997	..	..	..	..	..	..	..
LOWER BURMA— (all unirrigated)									
Akyab	..	1,129	..	..	..	..	..	..	..
Kyaukpadaung	..	853	..	..	..	..	..	..	..
Hanthawaddy	..	1,075	..	..	..	..	..	..	..
Sandoway	..	980	..	..	..	..	..	..	..
Pegu	..	1,113	..	..	..	..	..	..	..
Tharawadi	..	1,501	..	..	..	..	..	213	..
Prome	..	1,127	..	..	..	..	..	..	..
Maubin	..	1,522	..	..	..	..	..	..	..
Pyawb	..	1,215	..	..	..	..	..	..	..
Bassein	..	916	..	..	..	..	..	..	..
Hennada	..	1,383	..	..	..	..	..	208	..
Myaungmya	..	1,331	..	..	..	..	..	..	..
Amherst	..	874	..	..	..	..	..	..	..
Tavoy	..	694	..	..	..	..	..	..	..
Mergui	..	1,016	..	..	..	..	..	..	..
Toung	..	1,591	..	..	..	..	..	..	..
Thaung	..	887	..	..	..	..	..	..	..
Average for the Province	..	1,140	..	..	..	..	..	..	..

^aRepresents beans (*Dolichos lablab* and *Phaseolus lunatus*)

APPENDIX A—continued

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

DISTRICT	RICE (WUSKED)		Wheat	Jawar	Gram	Linseed	Til or jiryli (seamum)	Sugarcane (gur)	Cotton (cleaned)
	Trans- planted	Broad- cast							
Saugor { Irrigated Unirrigated	.. ..	560 ..	1,000 600	.. ..	.. ..	280 ..	160 ..	1,500 1,000	.. 55
Dainoh { Irrigated Unirrigated	... ...	... 495	... 600	580 ...	500 ...	... 200	... 150	1,500 1,000	... 55
Jubbulpore { Irrigated Unirrigated	... 620	... 495	... 620	580 450	480 580	... 250	... 150	1,500 1,000	... 60
Mandla { Irrigated Unirrigated	... 650	... 525	... 600	... 350	... 580	... 200	... 150	1,500 ...	... 55
Seoni { Irrigated Unirrigated	990 650	930 545	... 620	... 450	... 580	... 250	... 150	1,500 ...	... 55
Narsingpur { Irrigated Unirrigated	.. ..	435 ..	660 ..	450 ..	580 ..	280 ..	200 ..	1,500 1,000	... 70
Hoshangabad { Irrigated Unirrigated	.. ..	435 ..	... 620	... 450	... 520	... 250	... 250	1,500 1,000	... 70
Nimar { Irrigated Unirrigated	.. ..	... 620	1,000 640	... 600	... 500	... 200	... 250	3,500 ...	... 85
Betul { Irrigated Unirrigated	.. ..	... 485	1,000 620	... 500	... 500	... 200	... 180	3,500 ...	... 70
Chhindwara { Irrigated Unirrigated	... ...	... 435	1,000 600	... 600	... 500	... 220	... 180	3,500 ...	... 90
Wardha { Irrigated Unirrigated	.. ..	... 435	1,000 580	... 700	... 580	... 300	... 300	3,000 ...	... 90
Nagpur { Irrigated Unirrigated	990 650	930 545	1,000 580	... 600	... 580	... 280	... 300	3,000 ...	... 90
Chanda { Irrigated Unirrigated	990 650	930 545	... 600	... 650	... 550	... 250	... 300	3,500 ...	... 80
Bhandara { Irrigated Unirrigated	990 650	930 545	... 450	... 450	... 460	... 200	... 300	1,500 ...	... 45
Balaghāt { Irrigated Unirrigated	990 650	930 545	... 550	... 350	... 550	... 200	... 300	1,500 ...	... 45
Raipur { Irrigated Unirrigated	990 620	930 570	... 600	... 350	... 450	... 180	... 150	3,000 1,000	... 45
Bilaspur { Irrigated Unirrigated	990 620	930 570	... 600	... 350	... 450	... 180	... 150	2,500 1,000	... 45
Drug { Irrigated Unirrigated	990 620	930 570	... 600	... 350	... 450	... 180	... 150	1,500 1,000	... 45
Average for the Central Provinces { Irrigated Unirrigated Both	 626	 626	 602	 605	 580	 214	 208	 2,522	 85
Akola { Irrigated Unirrigated	... ...	... 435	... 580	... 700	... 550	... 330	... 300	3,000 ...	... 90
Amraoti { Irrigated Unirrigated	... ...	... 435	... 580	... 700	... 550	... 330	... 300	3,000 ...	... 90
Baldana { Irrigated Unirrigated	... ...	... 435	1,000 580	... 700	... 550	... 330	... 300	3,000 ...	... 85
Yeotmal { Irrigated Unirrigated	... ...	... 435	... 580	... 700	... 550	... 330	... 300	3,000 ...	... 80
Average for Benar { Irrigated Unirrigated Both	 435	 435	 580	 700	 550	 330	 300	 3,000	 87
Average for Central Provinces and Benar { Irrigated Unirrigated Both	 624	 624	 600	 664	 532	 226	 224	 2,569	 86

APPENDIX A—continued

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

District	Rice		
	Winter rice	Autumn rice (ede)	Spring rice (dore)
Sylhet	1,008	..	1,008
Cachar { Broadcast	672	}	..
Transplanted	1,120		
Both	1,008		
Goalpara { Broadcast	560	}	..
Transplanted	1,120		
Both	1,008		
Khasi and Jaintia Hills	1,120	..	..
Kamrup { Broadcast	672	}	..
Transplanted	1,008		
Both	896		
Garo Hills { Broadcast	672	}	..
Transplanted	1,120		
Both	1,120		
Darrang { Broadcast	672	}	..
Transplanted	1,120		
Both	1,008		
Nowgong { Broadcast	672	}	..
Transplanted	1,120		
Both	896		
Sibsagar { Broadcast	672	}	..
Transplanted	896		
Both	896		
Lakhimpur { Broadcast	672	}	..
Transplanted	1,008		
Both	1,008		
Lushai Hills	..	..	..
Average for the Province	1,008	672	..

District	Matikolai	Rape and mustard	Linseed	Sesamum (til or jinjili)	Sugarcane (gur)	Cotton (cleaned)	Jute
Sylhet	..	448	..	..	2,340	100	..
Cachar	..	448	..	..	2,340	..	..
Goalpara	..	560	..	..	1,344	..	..
Khasi and Jaintia Hills	..	..	..	..	..	100	..
Kamrup	..	504	..	..	1,344	..	..
Garo Hills	..	..	..	..	..	200	..
Darrang	..	504	..	..	1,456	..	..
Nowgong	..	504	..	..	1,456	100	..
Sibsagar	..	560	..	..	2,016	..	..
Lakhimpur	..	560	..	..	2,340	..	..
Lushai Hills	..	..	..	..	..	100	..
Average for the Province	560	504	448	448	1,904	154	1,200

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	Bajra
Hazara { Irrigated Unirrigated	1,234 ...	741 473	782 535	... .	494 329
Peshawar { Irrigated Unirrigated	1,166 .	977 671	1,312 860	436	..
Kohat { Irrigated Unirrigated	... ...	823 494	823 535		1,029 507
Banna { Irrigated Unirrigated	. .	741 514	700 453		617 412
Dera Ismail Khan { Irrigated Unirrigated	. .	810 761	1,374 611		648 508
Average for the Province { Irrigated Unirrigated Both	1,205	874 559 633	1,189 736 876		704 481 502

* DISTRICT	Maize	Gram	Rape and mustard	Sugarcane (gur)	Cotton (cleaned)
Hazara { Irrigated Unirrigated	1,316 741		132 329	1,975	93 57
Peshawar { Irrigated Unirrigated	2,226 ..	... ..	625 455	2,575	183 ...
Kohat { Irrigated Unirrigated	1,029 617	453 453	329 247	.. ..	109 67
Banna { Irrigated Unirrigated	664	741 412	412 288	1,975 ..	113 57
Dera Ismail Khan { Irrigated Unirrigated	... ...	.. 553	... 426	.. ..	189
Average for the Province { Irrigated Unirrigated Both	1,356 785 1,292	730 449 449	544 411 418	2,130	172 142 160

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 jhnjili)	Rape and mustard	Sugarcane (gúr)	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	256
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	882	640	522	373	768	...	...
Thar and Parkar	1,094	1,518	...	480	...	393	426	..	{ (a)491 (b)454
Average for the Province	1,340	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 . .	1,875	..	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	2,328

APPENDIX A—concluded

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

DISTRICT		Rice (husked)	Ragi	Horse gram	Til or jinjili (sesamum)	Sugarcane (gur)	Cotton (cleaned)
Bangalore	Irrigated . . .	570	...	...	..	3,639	...
	Unirrigated . . .	...	792	251	219	...	...
Kolar	Irrigated . . .	819	...	..	...	4,947	...
	Unirrigated . . .	...	703	364	126	...	...
Tumkur	Irrigated . . .	678	...	...	.	2,758	...
	Unirrigated . . .	...	441	159	52	...	12
Mysore	Irrigated . . .	1,030	...	..	...	4,396	...
	Unirrigated . . .	...	355	299	209	...	71
Hassan	Irrigated . . .	814	..	...	..	2,348	...
	Unirrigated . . .	...	703	388	154	...	...
Shimoga	Irrigated . . .	689	...	...	...	989	...
	Unirrigated . . .	...	464	219	173	...	118
Kadur	Irrigated . . .	829	...	...	..	2,075	...
	Unirrigated . . .	...	619	218	301	...	80
Chitaldrug	Irrigated . . .	735	...	...	...	2,384	...
	Unirrigated . . .	...	784	123	188	..	83
Average for the Prov- ince	Irrigated . . .	841	...	...	...	3,138	...
	Unirrigated . . .	...	581	257	109	...	79

CHANGES IN BOUNDARIES
(ALL PROVINCES)

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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				
		Cultivated	Total			
EXTERNAL TRANSFERS						
1908-09 Bengal	Shahabad district	...	509	1,909	Ballia, United Provinces	No. 1918 Jur., dated 10th April 1908
1909-10						
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 "	28,330	(b) 379,520	1,340	Madras, Madras	Government of India, No. 545, dated 15th 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	924,300	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		
	Ranpur "	1,510,400	2,226,511	10,16,878		
	Bogra "	469,900	869,760	4,95,717		
	Jabna "	774,200	1,170,888	4,22,879		
	Itanagar "	1,255,800	1,780,480	5,37,029		
	Mymensingh, "	2,517,300	4,062,352	8,70,916		
	Faridpur "	895,000	1,459,840	6,28,049		
	Backergunj "	1,670,200	2,880,436	17,38,554		
	Tippera "	1,123,400	1,599,860	11,22,205		
	Noakhali "	1,015,200	1,052,084	7,07,471		
	Chittagong "	632,900	1,594,892	11,94,909		
	Malda "	775,800	1,212,801	4,38,376		
	Chittagong Hill tracts.	85,100	3,288,320	55,715		
Bengal	Hill Tippera State	(a)	2,615,040	(a)	Bihar and Orissa	Government of India, Home Department, No. 289, dated 22nd March 1912
	Patna district	1,118,000	1,328,000	17,46,462		
	Gaya "	1,922,000	3,015,680	14,82,097		
	Shahabad "	1,466,100	2,800,948	17,97,918		
	Arrah "	1,561,700	2,142,690	7,93,280		
	Muzaffarpur "	1,430,000	1,942,400	9,81,095		
	Saran "	1,236,100	1,711,286	12,73,712		
	Champaran "	1,822,700	2,259,840	5,16,060		
	Monrhy "	1,043,100	2,510,080	9,61,170		
	Bhagalpur "	1,655,900	2,663,319	6,58,180		
	Purnea "	2,164,600	3,196,153	11,86,381		
	Santbal Parganas	1,637,400	3,406,100	4,76,200		
	Cattack district	1,229,700	2,340,307	12,54,478		
	Belasore "	894,200	1,332,621	6,80,272		
	Angul "	243,800	1,089,250	1,24,677		
	Puri "	750,100	1,599,460	7,07,046		
	Sambalpur "	908,100	2,447,860	2,03,729		
	Hazaribagh "	1,859,500	4,493,440	1,83,161		
	Ranchi "	2,187,500	4,544,332	3,13,833		
	Palamau "	572,900	3,144,960	1,39,564		
	Munthum "	1,497,800	2,654,080	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 13th July 1914

(a) No information

(b) Includes 399,538 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			District to which transferred	Number and date of notification of transfer
		Area in acres		Land revenue		
		Cultivated	Total			
INTERNAL TRANSFERS						
1908-09						
Upper Burma	Myingyan district	1,044	1,644	11	Pakokku district	No. 593-1 T-11, dated 19th May 1909
Bengal	Hooghly "	248	495	(a)	Nadia "	No. 3254, dated 22nd August 1908
Punjab	Hoshiarpur "	4	9	7	Ambala "	No. 798, dated 17th December 1908
	Ludhiana "	169	1,847	267	Hoshiarpur "	No. 602, dated 6th October 1908
	Montgomery "	2,702	4,328	1,561	Lyallpur "	No. 634, dated 23rd October 1908
	Mianwali "	185,169	1,546,906	1,24,239	Muzaffargarh "	No. 211, dated 9th February 1909
Sind	Thar and Parkar district	1,408	13,585	3,283	Hyderabad "	Nos. 10782, dated 23rd October 1908, 11018, dated 30th October 1908, and 4751 A, dated 11th May 1908
	Hyderabad district	260	1,080	811	Thar and Parkar district	No. 4751 A, dated 11th May 1908
Central Provinces	Nimar "	7,879	29,479	2,626	Betul district	No. 3367, dated 25th November 1909
1909-10						
Lower Burma	Amherst district	919	1,920	1,338	Thaton district	No. 344, dated 23rd October 1909
Bengal	Nadia "	(a)	1,989	(a)	Hooghly "	No. 4719, dated 14th December 1909
	Balasore "	(a)	1,747	(a)	Cuttack "	No. 572-1a, dated 7th February 1910
Punjab	Montgomery "	23	46	25	Lyallpur "	No. 587, dated 20th August 1909
Bombay	Lahore "	218,129	(b) 568,468	1,71,373	Gujranwala "	No. 677 S, dated 18th June 1910
	Dangs States	(a)	(a)	224	Khandesh "	No. 8281, dated 24th August 1909
	Satara district	5,451	5,816	2,070	Sholapur "	No. 11462, dated 26th November 1909
Madras	Kurnool "	(a)	59	14	Anantapur "	No. 202, dated 23rd June 1909
	Cuddapah "	2,155	2,321	2,413	Kurnool "	No. 135, dated 24th March 1909
	Madura "	401,385	2,420,586	0,37,715	Ramnad "	No. 281, dated 24th May 1910
	Tinnevelly "	437,866	732,640	5,64,882	"	Ditto ditto
1910-11						
Bengal	Bhagalpur district	Two villages	(c)	(c)	Burnea district	No. 269 Jor., dated 17th January 1911
Eastern Bengal	Jalpaiguri "	(a)	803	(a)	Rangpur "	No. 497-P L, dated 4th February 1911
United Provinces	Almora "	2,108	16,318	354	Naini Tal "	No. 1818-I-605, dated 1st September 1910
Punjab	Montgomery "	1,247	3,808	899	Lyallpur "	No. 2429, dated 15th September 1910
	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
Sind	Thar and Parkar district	...	6		Hyderabad "	No. 5608, dated 21st June 1910
Madras	Cuddapah district	244,549	740,992	1,95,586	Anantapur "	No. 381 Rev., dated 16th July 1910
	Chingleput "	1,259	5,753	8,165	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 "	329,874	2,564,337	7,95,608	" "	No. 127 Pub., dated 7th March 1911
	Salem "	156,944	345,171	1,94,212	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. 358 Rev., dated 1st July 1910, and 475 Rev., dated 10th September 1910
	Coimbatore "	225,861	391,776	3,78,679	" "	No. 471 Rev., dated 10th September 1910
	Tinnevelly "	37,581	46,939	25,667	Ramnad "	Nos. 564 and 565 Rev., dated 18th October 1910
	Ramnad "	1,334	1,908	2,642	Tinnevelly "	Nos. 566 and 567 Rev., dated 18th October 1910

(a) No information

(b) Given effect to in 1910-11

(c) Figures not available

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

1911-12

Bengal (a)	Bakerganj district	4,815	5,987	7,359	Faizdour district	No. 662 R. D., dated 25th March 1912
Punjab	" "	4,218	12,106	11,193	Noakhali "	No. 123, dated 30th January 1912
Sind	Montgomery "	14	2,564	5	Lyallpur "	No. 7496, 8th August 1911
	Hyderabad "		99	...	Thar and Parkar district	No. 3186, dated 31st May 1904
Central Provinces	Mandla "	...	3,165		Balaghat district	

1912-13

Lower Burma	Pegu district	191,172	440,920	8,05,944	Insein district	No. 63, dated 17th February 1912
	Hanthawaddy "	893,729	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	78	71	Ludhiana district	
	Montgomery district	1,005	5,958	690	Lahore "	
	" "	39,726	115,513	42,059	Lyallpur "	No. 660, dated 15th July 1912, and No. 224, dated 11th March 1913
Bombay	Belgaum "	1,252	1,311	1,033	Dharwar "	No. 222 and 223, dated 11th March 1913
	Hyderabad "	42,293	143,899	14,387	Thar and Parkar district	No. 10853, dated 29th November 1912
Sind	Thar and Parkar district	70,382	1,01,427	2,51,573	Nawabshah district	
	Hyderabad district	4,096	2,178,459	38,49,639	" "	
Berar	Amraoti "	180	1,267	170	Buldana "	No. 9707, dated 19th October 1912
	" "	180	18,786	8,089	Akola "	

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

APPENDIX C

Vernacular terms used in the Volume

- Ajmod* (*Carum Rosburghianum*).—A kind of spice.
- Ajwan* (*Carum copticum*).—A kind of spice, "Bishop's weed."
- Ahar* (*Cajanus indicus*).—The pigeon pea.
- Bajra* (*Pennisetum typhoides*).—The spiked millet.
- Band* (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* (*Vigna catjang*).—Asparagus, a food grain.
- Bel* (*Ægle marmelos*).—A fruit.
- Bhagdari*.—See *Narvadari*.
- Bilimbi* (*Averrhoa bilimbi*).—A fruit.
- Bimb* (*Cephalandra indica*).—A fruit.
- Chaplash* (*Artocarpus chaplasha*).—A tree grown mainly for timber.
- Cheena* (*Panicum miliaceum*).—The common millet.
- Cheik* (*Coix lachryma*).—A food grain.
- Cholam* (see jawar).
- Chowli* (see Barbati).
- Cumbu* (see Bajra).
- Dani* (*Nipa fruticans*).—A scabrous palm, the leaves of which are used for thatching purposes, also for matting.
- Dhaincha* (*Sesbania aculeata*).—A plant cultivated mainly for green manure.
- Dhatūra* (*Datura alba*).—A drug.
- Garmal* (*Coleus barbatus*).—A fruit.
- Gondli* (see kutki).
- Gorast* (United Provinces).—Village watchman.
- Henna* (*Lawsonia alba*).—A dye.
- Indm* (Madras).—Whole *indm* villages are entire villages held on such tenure; *minor indms* are portions of villages, generally a number of fields, held on *indm* tenure.
- Isfagul* (*Plantago orata*).—A drug.
- Itamrari* (Punjab, Ajmer-Merwara).—A tenure which, though the revenue is assigned, is charged with a permanently fixed quit-rent.
- Izafat* (Bombay).—A form of service tenure.
- Isdra* (Berar).—Land leased under the waste-land rules on stipulated terms.
- Jagi* (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.
- 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.
- Jawar* (*Sorghum vulgare*).—The great millet.
- Junjili* (*Sesamum indicum*).—An oilseed.
- 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.
- Kangni* (*Panicum Italicum*).—Italian millet.
- Kamranga* (*Averrhoa carambola*).—A fruit.
- Karola* (*Momordica charantia*).—A vegetable crop.
- Kodo* (*Paspalum Scrobiculatum*).—A kind of millet.

APPENDIX C—continued

Vernacular terms used in the Volume—continued

- 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.
- Khetraj* (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.
- Kulthi* (*Dolichos biflorus*).—Horse gram.
- Kulhi* (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*).—A dye.
- Mahalkari* (Bombay).—A revenue and police officer in charge of a sub-division of a *taluk*.
- Malguzari* (Central Provinces).—A form of tenure, the holder of which is responsible for the payment of the revenue assessed on a village.
- Hamialdar* (Bombay).—The chief revenue and police officer (native) in charge of a *taluk*.
- Marua* (*Eleusine coracana*).—A kind of millet.
- Mahwasi* (Bombay).—A proprietary tenure assessable to revenue at a lump sum.
- Muafi* (Manpu).—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.
- Munsarw* (Berar).—A head native revenue officer.
- Narwadars, Bhagdars* (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.
- Nis/khiraj* (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.
- 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.
- Parpattigar* (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.
- Poramboke* (Madras).—Lands reserved for public or village communal purposes.
- Pot mdms* (Bombay).—Lands sub-alienated in alienated villages.
- Pot kharab* (Berar).—The unculturable area included in a survey number.
- Ragi* (see *Marua*).
- Rundhuns* (see *Ajnu*).
- Sabai grass* (*Ischamum Augustifolium*).—A fibre plant.
- Supodilla* (*Achras zapota*).—A fruit.
- Sebestan* (*Cordia myza*).—A fruit.
- Shantog* (Coorg).—A village accountant appointed by Government.

APPENDIX C.—concluded.

Vernacular terms used in the Volume.—concluded.

- Sārotriem* (Madras).—Village held on grant (originally to Brahmins), wholly or partially revenue-free.
- Swank* (*Panicum frumentaceum*).—A food grain.
- Talukdari* (Bombay).—A form of proprietary right in force in the northern districts of Bombay.
- Thakameda* (Upper Burma).—Household tax.
- Thakadar* (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.
- Thetkè grass* (*Imperata arundinacea*).—A small perennial grass used chiefly for thatching purposes.
- Til* (*Sesamum indicum*).—An oilseed.
- 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.
- Urad* (*Phaseolus radiatus*).—Black gram.
- Zamindar* (Central Provinces).—A chief of minor importance who, while usually holding a large and compact estate on privileged tenure, has been restricted to the rank of an ordinary subject.
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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	
Agave	Agave Vivipara	28. Fibres—others.
Ajmud or Randhuni	Carum Roxburghianum	18. Condiments and spices.
Ajwan or Bishop's weed	Carum Copticum	18. " " "
Al (<i>see</i> Morinda) . . . . .	.....	.....
Alya (<i>see</i> Cress) . . . . .	.. ...	.....
Amaranthus	Amarantus	39. Misc. food crop.
Anise seed	Pimpinella Anisum	18. Condiments and spices.
Apple, wood	Feronia elephantum	38. Fruits and Vegetables including root crops.
„ Rose	Eugenia Jambo	38. " " "
„ Custard	Anona squamosa	38. " " "
Arhar or pigeon pea	Cajanus indicus	10. Other food grains, etc.
Arnatto or Arnotto	Bixa Orellana	28. Dyes—others.
Arrowroot, West Indian	Maranta arundinacea	39. Misc. food crops.
„ Wild or East Indian	Curcuma augustifolia	39. " " "
Artichoke	Cynara Scolymus	38. Fruits and Vegetables including root crops.
Arum (edible), Kachu or Kachalu	Colocasia Antiquorum	38. " " "
Arecanut or Betelnut	Areca Catechu	35. Drugs and Narcotics— others.
Bajra (<i>see</i> Millet) . . . . .	.....	.. ...
Barbati, Lobia or Chowli (<i>Asparagus</i>)	Vigna Catjang	10. Other food grains, etc.
Barley	Hordeum vulgare	4. Barley.
Basil, sweet	Ocimum Basilicum	35. Drugs and Narcotics— others.
Beans	Phaseolus lunatus	38. Fruits and Vegetables including root crops.
„ Asparagus (<i>see</i> Barbati) . . . . .	.....	.....
„ Sword	Canavalia ensiformis	38. Fruits and Vegetables including root crops.
„ French	Phaseolus vulgaris	38. " " "
„ Goa	Psophocarpus tetragonolobus	38. " " "
„ Indian or Popat	Dolichos lablab	38. " " "
„ Kidney or moth	Phaseolus aconitifolius	38. " " "
„ Soy	Glycine hispida	38. " " "

Appendix D—continued

Alphabetical List of Crops—contd.

NAME OF CROP		Heads of classification in table III
English or Vernacular	Botanical	
Beetroot	Beta vulgaris	38. Fruits and Vegetables including root crops.
Bel	Agle Marmelos	38. " " "
Betel vine	Piper Betle	35. Drugs and Narcotics— others.
nut (<i>see</i> Arecanut) . . . . .	.....	.....
Bhindi (<i>see</i> Hibiscus, edible) . . . . .	.....	.....
Bilimbi	Averrhoa Bilimbi	38. Fruits and Vegetables including root crops.
Bimb	Cephalandra indica	38. " " "
Bishop's weed (<i>see</i> Ajwan) . . . . .	.....	.....
Borage, country	Coleus aromaticus	35. Drugs and Narcotics— others.
Brinjal	Solanum Melongena	38. Fruits and Vegetables including root crops.
Buck wheat (<i>see</i> Wheat) . . . . .	.....	.. ..
Cabbage	Brassica oleracea	38. Fruits and Vegetables including root crops.
Caraway or Jira	Carum Carui	18. Condiments and spices.
" Black or Shahjira	Carum Bulbocastanum	18. " " "
Cardamom Aromatic	Amomum aromaticum	18. " " "
" greater	" subulatum	18. " " "
" lesser	Elettaria Cardamomum	18. " " "
Carob or Locust tree	Ceratonia Siliqua	37. Fodder crops.
Carrot or Gajar	Daucus Carota	38. Fruits and Vegetables including root crops.
Cassava	Manihot Utilissima	38. " " "
Castor	Ricinus Communis	16. Oilseeds—others
Cauliflower	Brassica oleracea	38. Fruits and Vegetables including root crops.
Celery	Apium graveolens	38. " " "
Chaplash (<i>see</i> Sam tree) . . . . .	.....	.....
Cheena (<i>see</i> Millet) . . . . .	.....	.....
Cheik (<i>see</i> Job's Tear) . . . . .	.....	.. ..
Chicory	Cichorium Intybus	38. Fruits and Vegetables including root crops.
Chickling Vetch (<i>see</i> Vetch) . . . . .	.....	.....

Appendix D—continued

Alphabetical List of Crops—contd.

NAME OF CROP		Heads of classification in table III
English or Vernacular	Botanical	
Chillies	Capsicum sp.	18. Condiments and spices.
Cholum (<i>see</i> Millet)	.....	.....
Chowli (<i>see</i> Barbati)	.....	.....
Cinchona	Cinchona sp.	38. Cinchona.
Citron or lime or lemon	Citrus medica	38. Fruits and Vegetables including root crops.
Coconut	Cocos nucifera	38. " " "
Coffee	Coffea arabica	30 Coffee.
Coriander	Coriandrum sativum	18. Condiments and spices.
Cotton	Gossypium sp.	21. Cotton.
Cress	Lepidium sativum	38. Fruits and Vegetables including root crops.
Cucumber	Cucumis sativus	38 " " "
Cumbu (<i>see</i> Millet)	.....	.....
Cumin	Cuminum Cyminum	18. Condiments and spices.
Custard Apple (<i>see</i> Apple)	.....	.....
Dani	Nipa fruticans	40. Miscellaneous non-food crops.
Date palm (<i>see</i> Palm)	.....	... ..
Dhaincha	Sesbania aculeata	40. Miscellaneous non-food crops.
Dhatura	Datura alba	35. Drugs and Narcotics— others.
Dill or Solva	Peucedanum graveolens	16. Oilseeds—others.
Elephant foot, Zaminkand or Ol	Amorphophallus campanu- latus.	38. Fruits and Vegetables including root crops.
Fennel	Foeniculum vulgare	18. Condiments and spices.
Fenugreek	Trigonella fœnum græcum	18. " "
Field Vetch (<i>see</i> Vetch)	.....	.....
Fig	Ficus Carica	38. Fruits and Vegetables including root crops.
Flea-bane, purple	Vernonia anthelmintica	35. Drugs and Narcotics— others.
Flowers (<i>see</i> Mahua)	.....	.....
Garlic	Allium sativum	18. Condiments and spices.
Garmal	Colera barbatum	38. Fruits and Vegetables including root crops.

Appendix D—continued

Alphabetical List of Crops—contd.

NAME OF CROP		Heads of classification in table III
English or Vernacular	Botanical	
Gawar (<i>see</i> Vetch)	...	.....
Ginger	Zingiber officinale	18. Condiments and spices.
Goa bean (<i>see</i> Bean)	.....	.....
Gondli (<i>see</i> Millet)	.....	.....
Gooseberry, Cape—or tepari	Physalis peruviana	38. Fruits and Vegetables including root crops.
Goose foot	Chenopodium album	38. " " "
Gourd, Snake	Trichosanthes anguina	38. " " "
" Bottle	Lagenaria vulgaris	38. " " "
" Towel	Luffa acutangula	38. " " "
Gourd, Red or melon pumpkin	Cucurbita maxima	38. " " "
Gourd Melon, white	Benincasa cerifera	38. " " "
Gram	Cicer Arietinum	9. Gram.
" Green or mung	Phaseolus Mungo	10. Other food grains, etc.
" Horse or Kulthi	Dolichos biflorus	10. " " "
" Black or Urad	Phaseolus radiatus	10. " " "
Grape	Vitis vinifera	38. Fruits and Vegetables including root crops.
Groundnut	Arachis hypogaea	15. Groundnut
Guava	Psidium Guyava	38. Fruits and Vegetables including root crops.
Guinea grass	Panicum Jumentorum	37. Fodder crops.
Gumberry	Cordia Rothii	38. Fruits and Vegetables including root crops.
Hemp, Indian	Cannabis sativa	34. Indian Hemp.
" Sunn	Crotalaria juncea	23. Fibres—others.
" Deccan	Hibiscus cannabinus	23. " "
" Sisal	Agave sisalana	23. " "
Henna	Lawsonia alba	28. Dyes—others.
Hibiscus, edible or bhindi	Hibiscus esculentus	38. Fruits and Vegetables including root crops.
Indian Hemp (<i>see</i> Hemp)		.....
Indigo	Indigofera tinctoria	27. Indigo.
Isagol	Plantago ovata	35. Drugs and Narcotics— others.

Appendix D—continued

Alphabetical List of Crops—contd.

NAME OF CROP		Heads of classification in table III.
English or Vernacular	Botanical	
Jack fruit	Artocarpus integrifolia	38. Fruits and Vegetables including root crops.
Jawar (<i>see</i> Millet) . . . . .	.....	.....
Jinjili (<i>see</i> Sesamum) . . . . .	.....	.....
Job's Tear or Cheik	Coix lachryma	10. Other food grains, etc.
Jujube	Zizyphus Jujuba	38. Fruits and Vegetables including root crops.
Jute	Corchorus sp.	22. Jute.
Kachu or Kachalu* (<i>see</i> Arum) . . . . .	.....	.....
Kakri (<i>see</i> Melon) . . . . .	.....	.....
Kamranga	Averrhoa carambola	38. Fruits and Vegetables including root crops.
Kangni (<i>see</i> Millet) . . . . .	.....	.....
Kaon (<i>see</i> Millet) . . . . .	.....	.....
Karola	Momordica Charantia	38. Fruits and Vegetables including root crops.
Kharbuja (<i>see</i> Melon) . . . . .	.....	.....
* Khesari (<i>see</i> Vetch) . . . . .	.....	.....
Khurfa (<i>see</i> Purslane) . . . . .	.....	.....
Kidney bean (<i>see</i> Bean) . . . . .	.....	.....
Kirni	Mimusops hexandra	39. Miscellaneous food crops.
Kodo (<i>see</i> Millet) . . . . .	.....	.....
Kokam (<i>see</i> Mangosteen) . . . . .	.....	.....
Kulthi (<i>see</i> Gram) . . . . .	.....	.....
Kutki (<i>see</i> Millet) . . . . .	.....	.....
Lemon (<i>see</i> Citron) . . . . .	.....	.....
Lentils	Lens esculenta or Ervam lens	10. Other food grains, etc.
Lettuce	Lactuca Scariola	38. Fruits and Vegetables including root crops.
Lime (<i>see</i> Citron) . . . . .	.....	.....
Linseed	Linum usitatisimum	12. Linseed.
Lobia (<i>see</i> Barbati) . . . . .	.....	.....
Locust tree (<i>see</i> Carob) . . . . .	.....	.....
Lucerne	Medicago sativa	37. Fodder crops.
Madder	Rubia tinctorum	28. Dyes—others.
Mahua flowers	Bassia latifolia	39. Miscellaneous food crops.
Maize	Zea Mays	8. Maize.

Appendix D—continued

Alphabetical List of Crops—contd.

NAME OF CROP		Heads of classification in table III
English or Vernacular	Botanical	
Mango	Mangifera indica	38. Fruits and Vegetable including root crops.
Mangosteen or Kokam	Garcinia indica	38. " " "
Marians	Bonea burmanica	38. " " "
Marjoram	Origanum vulgare	18. Condiments and spices.
Marua (see Millet) . . . . .	.....	.....
Medlar, Indian	Vangueria edulis	38. Fruits and Vegetables including root crops.
Melon, Kharbuja	Cucumis Melo	38. " " "
„ Kakri	Cucumis Melo var momordica	38. " " "
„ Musk	Cucurbita moschata	38. " " "
„ Water	Citrullus vulgaris	38. " " "
„ White Gourd (see Gourd) . . . . .	.....	.....
Metha (Fenugreek)	Trigonella fœnum-græcum	18. Condiments and spices
Millet, Common or Cheena	Panicum miliaceum	10. Other food grains, etc.
„ Great or jawar or cholam	Sorghum vulgare	5. Cholam or Jawar.
„ Italian, Kangni, or Kaon	Panicum Italicum or Setaria Italica	10. Other food grains, etc.
„ Kodo or Varagu	Paspalum Serobiculatum	10. " "
„ Little, Kutki, or Gondli	Panicum miliare	10. " "
„ Marua or Ragi	Elusine Coracana	7. Ragi or marua.
„ Spiked, Bajra or Cumbu	Pennisetum typhoideum	6. Cumbu or Bajra.
Mint or Pudina	Mentha arvensis	18. Condiments and spices.
Morinda or Al	Morinda tinctoria	28. Dyes—others.
Moth (see Bean) . . . . .	.....	.....
Mulberry	Morus indica	40. Miscellaneous non-food crops.
Mung (see Gram) . . . . .	.....	.....
Mustard	Brassica sp.	14. Rape and Mustard.
Niger Seed or Sorguja	Guizotia Abyssinica	16. Oilseeds—others.
Nutmeg	Myristica fragrans	18. Condiments and spices.
Oats	Avena sativa	37. Fodder crops.
Ol (see Elephant foot) . . . . .	.....	.....
Onion	Allium Cepa	18. Condiments and spices.
Opium	Papaver somniferum	29. Opium.
Orach, garden (see spinach) . . . . .	.....	.....

Appendix D—continued
Alphabetical List of Crops—contd.

NAME OF CROP		Heads of classification in table III.
English or Vernacular	Botanical	
Oranges	Citrus Aurantium	38. Fruits and Vegetables including root crops.
Palm, Date	Phoenix sylvestris	20. Sugar—others.
Palmyra	Borassus flabellifer	20. " "
Papay	Carica papaya	38. Fruits and Vegetables including root crops.
Parvar or Patol	Trichosanthes dioica	38. " " "
Peach	Prunus persica	38. " " "
Peas	Pisum sativum or Pisum arvense	10. Other food grains, etc.
Peanut (<i>see</i> Groundnut) . . . . .	.....	.....
Pepper	Piper or Capsicum	18. Condiments and spices.
" Black	Piper nigrum	18. " " "
" Long	Piper Longum	18. " " "
Pigeon or bottle grass	Setaria glauca	10. Other food grains, etc.
Pigeon pea (<i>see</i> Arhar) . . . . .	.....	.....
Pine apple	Ananas sativa	38. Fruits and Vegetables including root crops.
Plantain	Musa sapientum	38. " " "
Plum, black	Eugenia Jambolana	38. " " "
Poi (<i>see</i> Spinach) . . . . .	.....	.....
Pomegranate	Punica granatum	38. Fruits and Vegetables including root crops.
Pomelo	Citrus decumana	38. " " "
Potato	Solanum tuberosum	38. " " "
" Sweet	Ipomoea Batatas	38. " " "
Pudina (<i>see</i> Mint) . . . . .	.....	.....
Pumpkin	Cucurbita pepo	38. Fruits and Vegetables including root crops.
" Melon (<i>see</i> Gourd, red) . . . . .	.....	.....
Radish	Raphanus sativus	38. Fruits and Vegetables including root crops.
Ragi (<i>see</i> Millet) . . . . .	.....	.....
Randhuni (<i>see</i> Ajmud) . . . . .	.....	.....
Rapeseed	Brassica sp.	14. Rape and Mustard.
Raspberry	Rubus lasiocarpus	38. Fruits and Vegetables including root crops.
Rhea	Bomarea nivea	23. Fibres—others.
Rice	Oryza sativa	2. Rice.
Rose apple (<i>see</i> Apple) . . . . .	.....	.....

Appendix D—continued

Alphabetical List of Crops—contd.

NAME OF CROP		Heads of classification in table III
English or Vernacular	Botanical	
Roselle	Hibiscus subdariffa	38. Fruits and Vegetables including root crops.
Sabai grass	Ischœmum angustifolium	23. Fibres—others.
Safflower	Carthamus tinctorius	28. Dyes—others.
Sage	Salvia officinalis	18. Condiments and spices.
Sam tree or Chaplash	Artocarpus chaplasha	40. Miscellaneous non-food crops.
Sapodilla	Achras Sapota	38. Fruits and Vegetables including root crops.
Sawan (<i>see</i> Swank) . . . . .	.....	.....
Sebestan	Cordia myxa	38. Fruits and Vegetables including root crops.
Senna	Cassia angustifolia	35. Drugs and Narcotics— others.
Sesamum, til or jinjili	Sesamum indicum	13. Sesamum.
Shahjira (<i>see</i> Caraway, black) . . . . .	.. ...	.....
Shama (<i>see</i> Swank) . . . . .	.....	.....
Singhara or water caltrop	Trapa bispinosa	38. Fruits and Vegetables including root crops.
Sisal hemp (<i>see</i> Hemp) . . . . .	.....	.....
Sorguja (<i>see</i> Niger seed) . . . . .	.....	.....
Sowa (<i>see</i> Dill) . . . . .	.....	.....
Soy bean (<i>see</i> Bean) . . . . .	... .	.....
Spelt wheat (<i>see</i> Wheat) . . . . .	.....	.....
Spinach	Spinacea oleracea	38. Fruits and Vegetables including root crops.
„ Indian or poi	Basella alba	38. „ „ „
„ Mountain, or Garden Orache	Atriplex hortensis	38. „ „ „
Strawberry	Fragaria vesca	38. „ „ „
Sugarcane	Saccharum officinarum	19. Sugarcane.
Sunflower	Helianthus Annuus	16. Oilseeds—others
Swallow-wort	Calotropis sp.	23. Fibres—others.
Swank, Sawan, or Shama	Panicum frumentaceum	10. Other food grains, etc.
Sweet potato (<i>see</i> Potato) . . . . .	.....	.....
Tamarind	Tamarindus indica	18. Condiments and spices.
„ Manila	Pithecolobium dulce	38. Fruits and Vegetables including root crops.
Tatamira	Eruca Sativa	14. Rape and Mustard.
Tea	Camellia theifera	31. Tea.
Tepari (<i>see</i> Gooseberry) . . . . .	.....	.....
Thakke (grass)	Imperata arundinacea	40. Miscellaneous non-food crops.

Appendix D—continued

Alphabetical List of Crops—concl'd.

NAME OF CROP		Heads of classification in table III
English or Vernacular	Botanical	
Til (<i>see</i> sesamum) . . . . .	.....	.....
Tobacco	Nicotiana Tabacum and N. Rustica.	32. Tobacco.
Tomato	Lycopersicum esculentum .	38. Fruits and Vegetables including root crops.
Tori, Toria	Brassica Napus	14. Rape and Mustard.
Turmeric	Curcuma longa	18. Condiments and spices.
Turnip	Brassica Rapa	38. Fruits and Vegetables including root crops.
Urad (<i>see</i> Gram) " . . . . .	...	.....
Varagu (<i>see</i> Millet) . . . . .	.....	.....
Vetch, Field or gawar	Cyamopsis psoralicides	37. Fodder crops.
„ Chickling or khosari	Lathyrus sativus	10. Other food grains, etc.
Water caltrop (<i>see</i> Singhara)	...	...
„ melon (<i>see</i> Melon) . . . . .	.....	.....
Wheat	Triticum sativum	3. Wheat.
„ Buck	Fagopyrum esculentum	10. Other food grains, etc.
„ Spelt	Triticum sativum var Spelta.	3. Wheat.
Wood apple (<i>see</i> Apple)	...	...
Yams	Dioscorea sp.	38. Fruits and Vegetables including root crops.
Zaminkand (<i>see</i> Elephant foot)	..	...

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Ajmur or Randhuni		115, 402	Average yield per acre of crops	ix	269-395
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Al		402	B		
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- [NOTE.—Those marked with an asterisk (*) to be obtained from the officer in charge, Bengal Secretariat Book Depot.]

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25. Accounts relating to the Trade carried by Rail and River in India in each quarter. As. 8. (2a.)

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