PARTMENT OF COMMERCIAL INTELLIGENCE AND STATISTICS, INDIA

ESTIMATES

OF

AREA AND YIELD

OF

Principal Crops in India

1928=29

Published by Order of the Governor-General in Council



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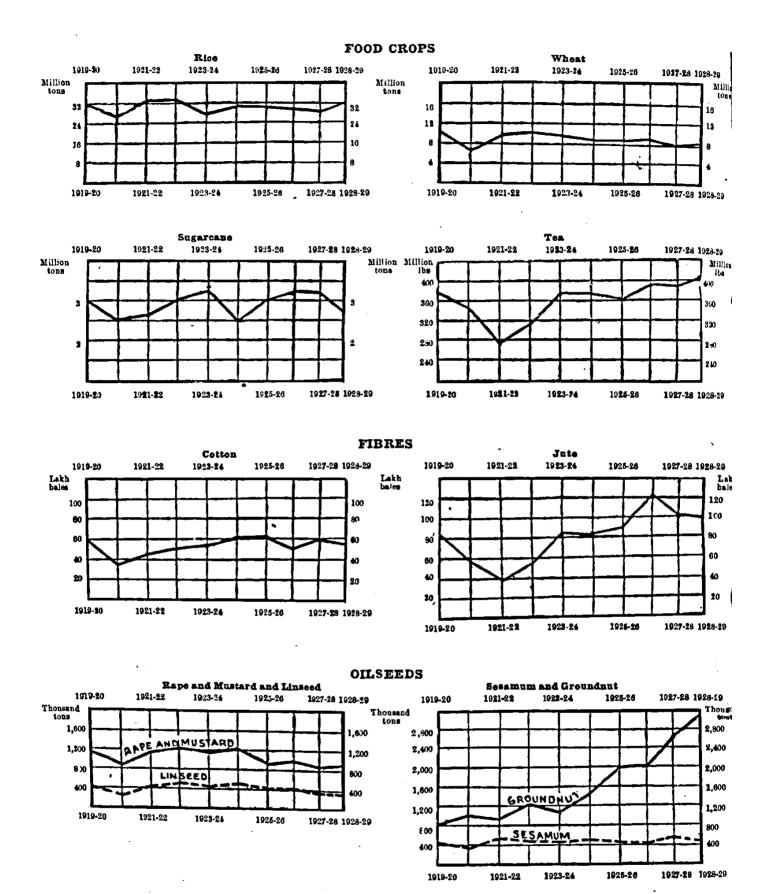
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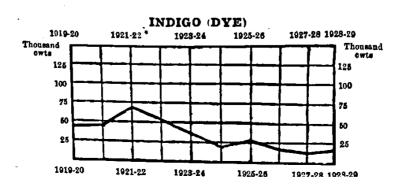
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Charts showing the yield of certain principal crops from 1919-20 to 1928-29.





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Estimates of Area and Yield of Principal Crops in India, 1928-29

INTRODUCTORY NOTE

The present issue is the thirty-first of the series and relates to the area and yield of the principal crops for which estimates were framed in 1928-29.

Periodical estimates or forecasts of certain crops are compiled from Source and scope of local returns and issued by this Department. The general practice is to issue a preliminary forecast, a second estimate, and a third or final estimate—fuller and more precise in data than the first two forecasts. There are two additional forecasts for wheat and cotton, and one for sesamum. On the other hand, only two forecasts are made of the jute and indigo crops and only one for the castor seed crop. The methods of collecting information and of framing estimates are described in Appendices I and II, and the dates prescribed for the issue of the different forecasts are given in Appendix IV. The tables of this volume are compiled from the data given in the final forecasts. The detailed tables show for the last ten years (whenever available) the area sown with, and the estimated yield of rice wheat sugarcane test cotton into sown with, and the estimated yield of, rice, wheat, sugarcane, teat, cotton, jute, linseed, rape and mustard, sesamum, castor seed, groundnut, indigo, coffeet, and rubbert. The rates of yield per acre of these crops in each of the ten years ending 1928-29 are shown in table No. 2, and the standard or normal yields per acre, as far as reported, are given in table No. 3. A table (No. 8A) showing the area and yield of cotton according to the recognised trade descriptions has, as in the last issue, been included in the volume.

The estimates for these crops in the forecasts for earlier years did not Gradual developrelate to all the producing areas in India, but only to those tracts where the respective crops were grown on an extensive and commercial scale. Tracts of minor importance have been added gradually, as will be seen from the tables and the footnotes thereto. It should, therefore, be borne in mind that, owing to this gradual development, the estimates for earlier years are not strictly comparable with those for later years. At present the estimates for cotton, wheat, castor seed, and jute, as also those for tea, coffeet, and rubber, relate to all the tracts in India where these relate to all the tracts in India where these crops are grown to any extent, excluding certain unimportant outlying tracts such as Baluchistan, Kashmir, Nepal, and Sikkim. For other crops, however, the estimates relate to all the British provinces where they are grown to any considerable extent, but exclude Indian States, except those in the Bombay Presidency and the States of Hyderabad, Mysore, and Baroda in certain cases. The figures given in this volume do not therefore agree in all cases with those in the Agricultural Statistics of India. Further details regarding the reporting tracts are given in the paragraphs below, as also in footnotes to the tables, and in Appendices

Estimates so far as available from the provincial Season and Crop Reports or specially obtained from local authorities for certain other important crops, namely, barley, jowar, bajra, maize, gram, and tobacco are shown in a supplementary table (No. 18).

Figures showing the reported area and yield of certain crops (rice, wheat, barley, maize, sugarcane, cotton, linseed, rapeseed, tea and coffee) in foreign countries so far as available are given in table No. 20, the data being mainly collected from the International Year Book of Agricultural Statistics published by the International Institute of Agriculture, Rome.

^{*} The final forecast figures are subsequently revised when finally adjusted figures are available and these adjusted figures are utilised as far as practicable.

[†] For tea, coffee and rubber no forecast is prepared, the figures being taken from the annual Special Statistics separately published by this Department.

In the case of coffee, estimates are framed for plantations having an area of 10 acres or more.

Character of the season

The monsoon of 1928 was characterised by a marked deficiency of rainfall in north-west India including the United Provinces where persistently dry weather prevailed for a considerable time. Averaged over the plains of India, the total rainfall during the monsoon period was in defect by 4 per cent only. At the outset of the retreating period, exceptionally heavy rain occurred along the eastern coast of Madras; and the total rainfall during that period was in large excess over the whole of northern and central India, normal or slightly above normal in the Peninsula and slightly defective in Burma. Taking the year as a whole, the rainfall was within 25 per cent of the normal except in Sind, where it was very defective. Severe cold and frost occurred at the end of January or in the beginning of February which caused damage to the crops, particularly in the northern half of the country.

Statistics of normal and actual rainfall are given in table No. 19 (page 30), and the condition of weekly rainfall during the monsoon period (June to October) of 1928 is shown in the chart on page 6. Conditions with regard to each crop are stated in the following paragraphs.

Rice

Rice is generally regarded as a winter crop, being mainly harvested in December and January. It is sown in the months of May to August. There are two other varieties of comparatively small importance, namely, autumn rice and summer rice. Autumn rice is sown in May and June and harvested in September, and summer rice is sown in January and February and harvested in May and June. In Madras, the seasons vary greatly, the first crop being sown in April to October and harvested between September and March and the second crop sown in September to March and harvested between January and May. The provinces to which the estimates for rice now relate are Bengal, Bihar and Orissa, Burma, Madras, the United Provinces, the Central Provinces and Berar, Assam, Bombay (including Sind), and Coorg. The Indian States for which estimates for rice are prepared are Hyderabad, Mysore, and Baroda, and those in the United Provinces, the Central Provinces and the Bombay Presidency (including Sind). These tracts comprise 97 per cent of the total rice area of India. The total area under rice in all these tracts in 1928-29 was reported as 82,856,000 acres, as compared with 78,470,000 acres in the preceding year. The condition of the crop was good. The total yield was estimated at 32,016,000 tons, as against 28,234,000 tons in 1927-28. To this figure should be added about 1,042,000 tons in respect of other tracts * (having an area of about 2,702,000 acres), for which no forecasts

Wheat

Wheat, which is a rabi (spring) crop in India, is sown from October to December and is harvested from March to May. The provinces and States to which the estimates for this crop relate are the Punjab †, the United Provinces †, the Central Provinces † and Berar, Bombay (including Sind) †, Bihar and Orissa, the North-West Frontier Province, Bengal, Delhi, Ajmer-Merwara, Central India, Gwalior, Rajputana, Hyderabad, Baroda, and Mysore. These tracts contain practically the whole of the area under wheat in India. The total area under wheat in 1928-29 was reported to be 32,011,000 acres, which is less than the area of the preceding year by one per cent. The condition of the crop was fair. The total estimated yield was 8,507,000 tons, which is 9 per cent greater than the yield of 1927-28. An addition of some 148,000 tons should be made to this estimated yield in respect of some other tracts! (having an area of about 557,000 acres), for which no reports are made.

Sugarcane

The sugarcane crop is usually planted from February to May and is harvested from November to January. In Madras, the crop is harvested between December and May. The provinces to which the reports on this crop relate are the United Provinces, the Punjab, Bihar and Orissa, Bengal, Madras, Bombay (including Sind), the North-West Frontier Province, Assam, the Central Provinces and Berar, and Delhi. Reports are also received from the States in the United Provinces and the Bombay Presidency and from Mysore and Baroda. These tracts contain about 95 per cent of the total area under sugarcane in India. The total area reported under sugarcane in 1928-29 was 2,577,000 acres, as compared with 2,952,000 acres in the preceding year. The condition

Punjab, North-West Brontier Province, Ajmer-Merwara, Manpur Pargana, and certain other Indian States.

† Including Indian States.

† Burma, Madras, and the Kashmir State.

of the crop was reported to be fair. The estimated yield amounted to 2,710,000 tons of raw sugar (gur), which is 16 per cent below the final figure (3,217,000 tons) of the preceding year. To this figure should be added approximately 160,000 tons in respect of other tracts *, for which no separate estimates

Tea seeds are sown between November and March, and the seedlings are Ton transplanted when they are at least six months old. The crop is plucked from May to December in northern India, and from January to December in southern India. The provinces where tea is grown are Assam, Bengal, Bihar and Orissa, the United Provinces, the Punjab, Madras, Coorg, and the States of Tripura (Bengal), Travancore, and Mysore. In Burma, tea is grown principally for consumption as pickles. The total area under tea in 1928 was reported to be 773,000 acres, as compared with 756,000 acres in the preceding year. The total production of manufactured tea (black and green) was reported to be 403,764,700 lbs, as against 390,919,800 lbs in the preceding year. For detailed accounts, a reference is invited to the Indian Tea Statistics, 1928, published as a Supplement to the Indian Trade Journal, dated the 5th December, 1929.

Cotton is grown in all the provinces. There are two crops, namely, the early Cotton and the late, of cotton grown in India. Early cotton grows mainly in central and northern India, and late cotton in southern and western India. Taking both the crops together, the sowing season extends from March to August and the In parts of southern India, sowings harvesting season from October to April. continue till December and harvesting till July. The estimates given below relate to all the cotton-growing provinces and States in India.

The total reported area under cotton was 26,512,000 acres in 1928-29, as against 24,761,000 acres in 1927-28. The condition of the crop was good till the end of January when the prospects were marred by a severe cold-wave and frost. Accordingly the total estimated outturn ultimately turned out to be less

1927-28 1926-27 1,000 bales 2,830 1,000 bales Exports . Mill consumption 3,140 1,765 2,044 consumption (conjectural). 750 750 Approximate crop Estimated in forecast 5,655 5.624 5,024

than in the preceding year, being 5,632,000 bales of 400 lbs each, as compared with 5,963,000 bales in 1927-28, or a decrease of 6 per cent. The marginal statement compares the estimates of yield for the years 1926-27 and 1927-28† with the sum of exports and internal consumption (in thousands , of bales). The figures of mill consumption are those supplied by the

Indian Central Cotton Committee and refer in the case of mills in British provinces to Indian cotton alone. The estimate of mill consumption in Indian States refers to all cotton, but it is presumed that little foreign cotton was consumed in the States during those two years. Import figures have not therefore been taken into consideration for the purposes of calculation. It should be borne in mind that estimates of the "carry-over" from one year. to another have not been taken into account as complete information regarding stocks is not available.

The estimates of yield classified according to the recognised trade des-

				-	
•				1928-29 1,000 bales	1927-28 1,000
Oomras .					bales
Dhollerss.	•		•	2,728	2,861
	•	•	•	380	858
Bengal-Sind	. •			957	782
American-	•		•		104
Punjab Sind		•	•	187	219
	,	•	•	. 6	3
Broach	•			145	244
Coompta-Dha	rware			894	
Westerns and	North	orne	•		327
Cocanadas	210101	41110	•	345	221
	•		•	46	39
Tinnevellies	•			162	148
Salems .	•		-	42	84
Cambodias	_		,	147	
Comillas, Bur	maa a =	a'z		147	123
AA.W. Class Date	1710年 辞日	a ott	ier Bor	93	. 104
	Tota	al	•	5,632	5,963

criptions of cotton grown in the years 1927-28 and 1928-29 are given in the marginal table. § Of the total yield Oomras represent 48 (48) per cent, Dholleras 7 (14) per cent, Bengal-Sind 17 (13) per cent, Coompta-Dharwars 7 (5) per cent, Americans 3 (4) per cent, Broach 2 (4) per cent, Westerns and Northerns 6 (4) per cent, Tinnevellies and Cambodias 3 (2) per cent each, Comillas, Burmas and other sorts 2 (2) per cent, and Cocanadas, and Salems 1 (1) per cent each. The percentages for the previous year are shown in brackets.

Buima, Ajmer-Merwara, and certain Indian States.

†For earlier years, see table No. 8, on page 16.

‡ Stocks of cotton in Bombay were 437,000 bales on 31st August 1927 and 1,011,000 bales on 31st August § For earlier years, see table No. 8A, on page 17.

Jute

Jute is an autumn crop, being sown from March to May and harvested in August and September. The provinces where it is grown are Bengal (including Cooch Behar and Tripura States), Bihar and Orissa, and Assam. It is also grown to a small extent in the Nepal State, but no reliable information is available from that State except the figures of export. The total area under jute in 1928 was 3,144,000 acres, which is 7 per cent less than that of the preceding year, and the estimated yield 9,906,000 bales (of 400 lbs each), which is nearly 3 per cent below that of 1927. The area and yield of jute in 1929 are estimated to be 3,317,000 acres and 9,717,000 bales respectively, an increase of 6 per cent in area but a decrease of 2 per cent in yield as compared with 1928.

Linseed

Linseed is a rabi (spring) crop, being sown from August to October and harvested from January to April. The provinces to which the estimates for linseed relate are the Central Provinces and Berar, the United Provinces, Bihar and Orissa, Bombay, Bengal and the Punjab. Reports are also received from Hyderabad, Kotah (in Rajputana), the States in the Bombay Presidency, and certain Feudatory States in the Central Provinces. These tracts comprise a little over 92 per cent of the total area under linseed in India. The total area under linseed in all the reporting tracts in 1928-29 was 3,124,000 acres, which is 6 per cent below the final figure of the preceding year. The condition of the crop was reported to be fair. The total estimated yield was 322,000 tons, as against 348,000 tons last year. To this figure should be added some 30,000 tons for other tracts*, for which no reports are made.

Rape and mustard

Rape and mustard are also rabi (spring) oilseeds, being sown from August to October and harvested from January to April. The provinces from which reports are received are the United Provinces, the Punjab, Bihar and Orissa, Bengal, Assam, Bombay (including Sind), the North-West Frontier Province, and Delhi. Reports are also received from the States of Alwar (Rajputana), Baroda, Hyderabad and from the States in the Bombay Presidency. These tracts contain about 94 per cent of the total area under rape and mustard in India. The total area under rape and mustard in all the reporting tracts in 1928-29 was 6,878,000 acres, as against 5,907,000 acres in the preceding year. The condition of the crops was reported to be fair. The total estimated yield (912,000 tons) was 9 per cent above the final figure of the preceding year. To this figure should be added some 51,000 tons in respect of other tractst, for which no reports are made.

Sesamum

Sesamum is mainly a kharif (autumn) crop, being generally sown from May to July and harvested from October to December; a rabi or summer variety is also grown in certain tracts; this is sown in January and February and is harvested in May to July. The provinces to which the estimates for sesamum relate are Burma, the United Provinces, Madras, Bombay (including Sind), the Central Provinces and Berar, Bihar and Orissa, Bengal, the Punjab, and Ajmer-Merwara. Reports are also received from the States of Hyderabad, Baroda, Kotah (Rajputana), and the States in the Bombay Presidency. These tracts contain about 89 per cent of the total area under sesamum in India. The total area under sesamum reported in 1928-29 was 5,470,000 acres, as against 5,524,000 acres in the preceding year. The condition of the crop was fair. The total estimated yield was 490,000 tons, as against 543,000 tons in 1927-28. An addition of approximately 57,000 tons should be made to this figure in respect of other tracts; (containing an area of about 641,000 acres under sesamum), for which no reports are made.

Castor_Seed

Castor seed is sown from May to July and harvested from January to February; a late variety is also grown which is generally sown in September and harvested in March and April. The estimates for the crop relate to Madras, Bombay (including Sind), the Central Provinces and Berar, Bihar and Orissa, the United Provinces. Reports are also received from the States of Hyderabad, Mysore, Baroda and those in the Bombay Presidency. These tracts contain practically the whole area cultivated with castor seed in

Madras, Burma, Assam, Ajmer-Merwara, Manpur Pargana and certain Indian States.
 Madras, Burma, the Central Provinces and Berar, Ajmer-Merwara, Manpur Pargana and certain other Indian States.

Assam. North-West Frontier Province, Delhi, Manpur Pargaus, Coorg and certain other Indian States. § Excludes estimates for the mixed crop (i.e., sown in combination with other crops) for which there are no reliable data available at present.

India. The total area sown in these tracts in 1928-29 was estimated at 1,428,000 acres and the yield at 116,000 tons, as against 1,480,000 acres with an estimated yield of 138,000 tons last year.

The groundnut crop is sown from May to August and is harvested from Groundnut November to January. A summer variety is also grown in Madras, forming about 5 per cent of the total area under the crop; this variety is sown in February-March and harvested in July-August. The estimates for the groundnut crop relate to Madras, Bombay (including Indian States), and Burma, these being the provinces where groundnut is grown to any considerable extent. Estimates are also received from the Hyderabad State. The total area under groundnut in these tracts in 1928-29 was reported to be 6,214,000 acres, which was 15 per cent greater than in the preceding year. The estimated yield (3,119,000 tons of nuts in shell) was also 15 per cent higher than that of the preceding year.

The indigo crop is sown from February to July and is harvested from August Indigo to November. In Madras, about 20 per cent of the area under the crop is irrigated, being grown as a second crop on wet lands after paddy; this irrigated crop is sown in December-January and harvested in March-April. The provinces to which the estimates for indigo relate are Madras, the Punjab, Bihar and Orissa, the United Provinces, and Bombay (including Sind). No report is received from any Indian State, except the State of Khairpur in Sind. These tracts contain about 88 per cent of the total area under indigo in India. The total reported area (76,100 acres) in 1928-29 was 26 per cent above the final figure of the preceding year. The total estimated yield of dye was 14,600 cwts, which was 34 per cent greater than the yield of the preceding year.

Coffee is sown and transplanted in the rainy season. The harvesting period coffee is from October to January. The crop is practically confined to southern India, comprising the Madras Presidency, Coorg, and the States of Mysore, Travancore, and Cochin. The total reported area under coffee in 1927-28 was 155,800 acres, the yield of cured coffee therefrom being estimated at 35,287,500 lbs. The figures are, however, defective inasmuch as plantations of less than 10 acres are not taken into account.

The provinces where rubber is cultivated to an appreciable extent are Rubber Burma, Madras, Coorg, and the States of Mysore, Travancore, and Cochin. The total area under rubber in 1928 was 167,000 acres, as against 152,300 acres in the preceding year. The total yield of dry rubber was 26,839,300 lbs, as against 26,042,300 lbs in 1927.

Department of Commercial Intelligence and Statistics, India.

Calcutta, September 19, 1929.

J. V. JOSHI,

Deputy Director (Statistics),
for Director-General.

CONDITION OF WEEKLY RAINFALL DURING THE MONSOON PERIOD FROM JUNE TO OCTOBER, 1928

(Abbreviations-5-Scanty, F=Fair, N=Normal, Ex=Excess)

•		1		Junz k enc				July k end	ing		٧		over endin	ng.				BER			crob		
Province and Sub-division	n	-	<u> </u>		T-					- -				2nd 29	_ _	 -			_				_
			oth 1	3th 20	nn 27	th 4	<u> </u>	th 18	th 25	th L	st 8	- -	otn z	2110 23	-	611	Ztn 1	Stn 2	o en	1		1000	
dras—		1		_	_ \	_ \		_	_ _		 	_].		5			5		E7 we	N
Malabar • •	•	·	- 1	N	- 1	~ `	l l	N I			. 1	i	- 1	NE	L	`\	l	F	F				
Madras, South-East .	•	-\	~ L	- 1	s I	\	1	x E	i	1		1	ì	Ex S	- 1	- 1	F	F	F	_ }	N	ľ	E:
Madras Deccan . :	•	•	Ex	N	S	N	F E	x E	- 1		F	F	- 1			Ĭ	- 1	ŀ		Ex	F	1	E
Madras Coast, North .	•	•	S	F	8	N	F :	N 1	N E	х	F	F	N	F 1	N	N	F	EX.	N	Ex	N	F	E
ombay—							_ \	_				_		F		_	s		Еx	a	N	s	s
Gujarat . • • •	•	•	S	Ì		- L		- · ·	1		1	S	F	l l	×	- `				1 '			
Konkan	•		Ľĸ	Ex	F	Ex		- 1	Cx]		N	P		Ex I	1	-`	S	Ex	}	Ex			E
Bombay Deccan		•	N	Ex	S	N	Ex	P.	F	N	Ex		R)		E x	î Ì	3	Ex	F	Ex	ĺ	1	E
Sind			N	5	5	ន	Ex	F	ន	s	ន	S	S.	S 1	ER	s	S	S	S	N	N	N	1
Sengal	•		F	Ex	Ex	N	Ex	N	N	F	N	Еж	N	N	F	F	Ex	F	F	N	Ex	Ex	E
nited Provinces-			1																				•
East	٠.		N	Ex	N	F	F	Ex	Ex	F	s	F	S	s	S	N	S	S	S	F	N	F	1
West	•	•	Ex	N	F	F	k	Ex	N	N	N	S	S	F	F	F	S	S	S	S	S	S	ני
Punjab—							Ì '		ļ								~	s	s	s		S	
Rast and North			Ex	N	S	S	F	Ex	S	Ex	s	S	S	N		Еx		1	1	ı	N	ĺ	Ų
South-West		•	. Ex	Ex	s	s	s	N	s	Ex	3	S	S	S	Ex	Ex	S	S	S	s	S	N	
Burma—			1								l			1	_	\ \ \					E	N	
Lower Burme .		•	ĸЩ.	E3	Ex	(-	F	F	N	N	N	N	- !	1	Ex		1					ì	-
Upper Burma	•	•	. En	N	F	Ex	Ex	Ex	Ex	F	F	F	Ex	Ex	F	F	Ex	F	F	E	c E3	E E	X
Bihar and Oriesa—													,	•					╽.			F	.
Orissa		•	. Ж	E E	c E B	N	И	F	N	Ex	1	,		F	ł	E		(1	1	- 1	i	ŀ
Chota Nagpur .		• •	E3	F	Ex	!	Er	1	N	N	F	S	s	S	N	Ex	1	S	E:	ı		K F	- 1
Bihar	• '	٠,	· F	N	Ex	F	Ex	Ex	Ex	F	N	Ex	F	F	S	F	S	S	E	K N	E	E E3	X
Central Provinces and Berar	_			1							Ì					Ì				1		. !	
Berar			. Ex	E	Ex	N	F	S	F	F	F	s	S	F	Ex	N	s	Ė	c F	E	S	S	
Central Provinces, West		_	. s	N	1	- 1	Ex	S	F	Ex	Ex	s	s	Ex	N	N	s	S	N	ı E	E	x S	-
Central Provinces, East	-		. s	N	1	N	Ex	1 .	N	Ex	N	F	S	N	Ex	F	N	S	E:	g E	E	S	
Assam	•	•	F	1	F	N	Ex	1	N	F	N	Ex	Ez	F	F	F	E	z N	$ \cdot _{N}$	Œ	g E:	K Ez	ĸ
North-West Frontier Provin	•	•		-		- '	F	s		Ex	1	S	s	兀x		F	S	S	S	s	N	N	τ
	.ce	•	· S	Εz	1	S	1	1	Ex	ì	s			1 .	İ	Ex	. 3	N	i r i F	E		x N	1
Bay Islands	•	• '	. E3	N	s	F	Ex	3	E,X	3		Ex	14	Ex	N	EA			-		- -		
Hyderabad—	₹.		1		•						İ]_		_ _	_	_ g	
North	•	•	. s	E	ı S	Ex	Ex	F	N	F	F	F	s		Ex			1		K E			ļ
South	•	•	. N	Ez	S	N	Ex	Ex	N	S	N	S	F	N	Ex		S		1	x E	- 1		
Mysore ,	•		. E	x N	S	Ex	N	Ex	F	F	N	Ex	EX	Ex	S	S	S	F	-1	١		E⊋	ı
Kashmir	•	•	. s	s	F	F	F	Ex	S	N	s	S	F	F	Еx	En	F	S	F	S	ន	S	
Central India-		•	1														_	-				` _ `a	
West	•	•	. s	E	s	F	F	Ex	Ex	Ex	Ex	S	- 1	Ex	Ex	Ex		S	N	I -			ļ
East	•	•	. E3	s	s	Ex	s	S	Еx	N	F	S	S	N	N _.	N	S	S	S	S	Ì	r , S	
Rajputana—											1		1.					ł	,				į
West	•		. N	F	5	s	s	Ex	s	Ex	F	S	s	s	Ex	Ex	s	S	E	k F	S	S	:
_	. '	-	1	f	1	s		s	F	N	N	s	ì	Ex	l	1	1_	S	10.5	. E.	- 1 - 180 1	K S	
East .			. [3	Ex			F	1 3	, ,		,,,,,,,	13	13	125.74		120	~	-	-	r ima			

Note—The redder the statement, the scantier the rainfall. On the other hand, the thicker the black type in the statement, the more abundant the rainfall.

TABLES

Note—The rates of yield per acre of the crops given in table No. 2 are worked out from the figures tabulated in tables Nos. 4 to 17.

No. 1-ABSTRACT TABLE-AREA AND YIELD OF EACH CROP.

Area (acres)

Crops	Average 1895-96 to 1899-1900	Average 1900-01 to 1904-05	Average 1905-06 to 1909-10	Average 1910-11 to 1914-15	Average 1915-16 to 1919-20	Average 1920-21 to 1924-25	1924-25	1925-26	1926-27	1927-28	1928-29
Rice	50,855,000	50,067,000	56,051,000	70,252,000	79,519,000	80,715,000	\$1,441,000	62,378,000 °	79,697,000	78,470,000	82,856,000
Wheat	22,649,000	25,518,000	26,565,00 0	30,550,000	30,499,000	29,560,000	31,778,000	30,471.000	81,303,000	32,193,000	32,011,000
Sugarcane .	(a)	2,258,000	2,302,000	2,383,000	2,056,000	2,633,000	2,532,000	2,680,000	2,925,000	2,952,000	2,577,000
Tea	467,000	525,000	540,000	593,000	664,000	709,400	714,700	727,700	739,400	756,000	773, 000
Cotton	13,866,000	16,652,000	21,321,000	23,221,000	21,861,000	22,405,000	26,801,000	28,403,000	24,622,000	24,761,000	26,512,000
Jute	2,035,000	2,335,000	3,264,000	3,058,000	2,631,000	2,277,000	2,776,000	8,115,000	3,847,000	8,874,000	3,144,000
Linseed	2,869,000	3,547,000	3,061,000	3,852,000	8,157,000	3,216,000	3,695,000	3,596,000	3,331,000	3,3,1,000	3,124,000
Rape and .	4,541,000	5,598,000	6,056,000	6,416,000	6,169,000	6,057,000	6,483,000	5,546,000	5,546,000	5,907,000	6,678,000
Sesamum	4,019,000	4,903,000	5,016,000	5,177,000	4,450,000	5,122,000	5,293,000	5,024,000	4,834,000	5,524,000	5,470,000
Castor seed* .			***	a y f	•••	1,505,000	1,410,000	1,401,000	1,329,000	1,480,000	1,428,000
Groundnut	, (a)	431,000	827,000	1,610,000	1,785,000	2,518,000	2,883,000	 8 ,973,000	4,321,000	5,426,000	6,214,000
Indigo .	1,280,000	722,000	354,000	216,000	475,000	231,300	111,900	135,300	104,800	60,600	76,100
Coffee			***		•••	132,100	142,800	148,900	151,600	155,800	(e)
Rubber			4.0	·	,	126,400	129,400	 132,600	139,500	152,300] 167,000
	1	l	l	<u>[</u>		1 .	l	<u> </u>		<u> </u>	<u> </u>

Yield

Rice . tons	21,466,000	21,550,000	22,291,000	28,369,000	32,017,000	30,754,000	81,072,000	80,787,000	29,680,000	28,234,000	82,016,000
Wheat . ,.	6,029,000	7,678,000	8,092,000	9,663,000	9,288,000	9,007,000	8,866,000	8,696,000	8,973,000	· 7,791, 0 00	8,507,000
Sugarcane. ,,	(a)	2,049,000	2,030,000	2,411,000	2,864,000	2,809,000	2,546,000	2,977,000	3,267,000	8,217,000	2,710,000
Tea lbs	158,375,000	201,389,000	242,386,000	290,060,000	374,265,000	338,370,800	37 5,2 55,900	3 63,506,60 0	392,933 ,20 0	390,919,800	403,764,700
Cotton . bales(ò)	2,303,000	i 3,203,000 !	3,996,000	4,370,000	4,412,000	4,881,000	6,088,000	6,215,000	5,024,000	5,963,000	5,632,000
Jute ,,	5,771,000	7,036,000	8,136,000	9,069,000	7,992,000	6,354,000	8,062,000	8,940,000	12,132,000	10,188,000	9,908,000
Linseed . tone	352,000	416,000	833,000	508,000	434,000	441,000	501,000	402,000	408,000	878,000	822,000
Rape and Mustard ,,	915,000	1,011,000	992,000	- 1,226,000	1,072,000	1,121,000	1,220,000	809,000	1,004,000	840,000	912,000
Seramum . "	348,000	465,000	458,000	471,000	421,000	467,000	513,000	421,000	414,000	543,000	490,000
Castor seed* "	•••	***		•••	***	114,000	124,000	144,900	129,000	188,000	116,000
Groundnut. "	(a)	(a)	358,000	695,000	952,000	1,157,000	1,465,000	1,999,000	2,046,000	2,718,000	3,119,000
Indigo . owt	158,000	100,000	49,000	87,000	74,000	43,800	21,700	28,200	19,000	10,900	14,600
Coffee . lbs	***			***	***	23,604,400	30,475,600	 22,106,70 0	34,282,000	35,287,500	(c)
Eubber . "		***	•••	•••	***	12,964,400	15,601,800	19,970,200	23,004,200	26.042,300	26,839,300
				<u> </u>		1	,	1	1	•	1 _

⁽a) Not available.

(b) A bale contains 400 lbs.

(c) Not yet available

(d) A bale contains 400 lbs.

(e) Not yet available

(f) A bale contains 400 lbs.

(c) Not yet available

(d) A bale contains 400 lbs.

(e) Not yet available

(f) A bale contains 400 lbs.

(f) A bale contains 400 lbs.

(g) Not yet available

(g) Reports or specially obtained from local authorities, are mostly incomplete, specially those relating to outturn.

(g) Not yet available

(g

No. 2-YIELD PER ACRE OF CROPS (based on figures in tables Nos. 4 to 17) IN EACH PROVINCE IN EACH OF THE LAST TEN YEARS, 1919-20 to 1928-29.

				6	BIGE	t D }		•				-		1	WEBAT					_
Province	1919- 20	1920- 21	1921- 22	192 2- 23	1923- 21	1924- 25	1925- 26	192 6 -	1927-	1928- 29	1919- 20	102 0 -	1021-	1922- 23	1923- 24	1024-	1925- 26	1926-	1937-	1926-
	lbs	lbs	lbs	lbs	lbs	lbs	lbs	l lbs	lbs.	1be	lbs	lbs	lbs	1bs	lbs	lbs	ibe	lbs	lba	lbs
Madras	1,038	1,007	1,039	1,030	065	1,011	1,053	980	1,042	1,056										
Bombay	1,092	824	1,036	1,060	929	1,020	896	1,025	960	1,050	573	413	496	524	392	468	435	464	561	447
Bengal	883	882	951	931	827	839	871	629	779	1,014		594	470	520	429	444	483	556	461	583
United Provinces .	770	509	755	673	627	718	651	701	670	352	954 974	807 587	939	618	817	734 611	741	924 728	707 601	78
Panjab Borms	788	882	941	914	793	937	870	920	886	1				783			709			67
Bihar and Orissa .	1,024		943	1,062	784	921	767	770	728	872	974	932	1,079	1	851	1	622	901	781	91
Central Provinces and Berar	731	 32 3	607	638	694	537	622	701	640	603	586	307	619	764	557	716	559	461	366	36
Assam	912	783	1		1	750	808	765	702	1				709						
North-West Frontier Province											612	456	626	575	408	431	548	660	363	48
Ajmer-Merwara		٠						•••		,	467	747	707	560	517	589	640	815	863	67
Coorg	1,457	1,440	1,093	1,440	1,080	1,079	1,003	1,080	1,080	1,080				j						
Delhi Hyderabad	(6)	(-)	070					701		910	867 (ø)	960	983	829 (e) 198	791 (*)	933	806	(0)	818 (e)	1 6
nydernond Mysore	(a) 617	(a) 560	672	793 669	755	862	1,107 568	781 576	828 598	620	154 291	260	188	198	180	1				1
Baroda	730	389	-	1	341	365	873	612	519	669	527	535	1	655	865	1		1		1
Gwallor											(d)	(d)	611	594	632	598	542	460	353	4
Ceutral India (c)] •••				493	407	455	587	420	456	472	418	800	3:
Bajputana							•••				425	426	408	510	560	686	514	496	470	8
Average .	903	785	900	916		855	636	834	906	806	757	583	781	784	69	4 62	5 63	9 64	8 549	3 6
	<u> </u>	<u></u> _	1	1		!	[:	1	<u> </u>]	<u> </u>			<u> </u>	T	<u> </u>	<u> </u>	<u> </u>	-	<u> </u>
Province .			•	(Ba	W BUGI		§ Ú₽)		•	•	1919	1920	1021	1932	192	8 1924	192	1926	1927	7 19:
,	lbs	lbs	lbs	lbs	lbs	lbs	lba	lbs	lbs	lbs	lbe	lbs	lbs	lbs	lbs	1b=	lbs	lbe	lbs	16
Madras	6,359	5,937	5,929	6,122	5,924	6,374	6,244	5,993	5,980	6,168	264	297	271	320	390	420	498	439	161	4
Bombay	5,264	5,500	4,050	6,043	5,389	6,037	5,629	5,896	6,432	6,207					***					
Bengal	2,630	2,608	2,423	2,363	3,406	₹,283	2,553	2,396	2,529	2,469	875	416	831	898	486	479	451	503	511	40
United Provinces .	2,302	1,789	3,174	2,227	2,868	1,834	3 ,227	2,328	3,140	3,011	272	223	155	257	827	281	250	277	268	35
Punjab .	1,989	1,544	1,669	1,867	1,939	1,867	1,740	1,745	1,710	1,661	177	171	143	158	177	200	189	204	314	19
Burma	•••]					600	<u>!</u> ኢመ			81	79	(8)	(8)	(6)	(b)	(6)	(8)	(b)	(5)
Bihar and Orissa	2,590	2,342	2,467	3,123	2,828	1,958	2,428	3,349	2,395	3,435	196	183	78	95	103	113	113	138	161	179
entral Provinces and	1.890	2,128	2.635	2,839	2,851	9.053	2,824	2,727	8,508	3,701										
Berar .			i .	`				1	_							l	ĺ.			
bsam	3,0 30	3,049	1,748	2,027	1,920	1,930	1,912	1, 352	2,295	3,361	581	558	435	485	577	574	541	578	558	576
Corth-West Frontier Province	3,701	9,619	2,833	2,757	2,761	2,732	2,753	2,620	3,282	2,753	····¹	•••		***	***		***			•••
oorg	,		***	,		٠		·			(a)	(4)	(a)	(a)	(a)	(4)	291	833	379	511
	(4)	(a)	3,520	2,733	3,240	2 600	1,680	1,600	2,613	1,792										
0111	(a)	(a)	Ė						[[***			-	***	-		"	"	•••
· · · ·	امنعه	1,041	1,800	1,768	1,664	1,680	1,833	2,364	3,108 ; 	2,385]					***			(a)	03
.]	2,240	, ,			1	. 1	2,240	2,240	4,480	3,360		·			ˈ 			[
lysore , .	1,24 0 2, 987	4,480	5,600	4,480	4,480	3,360	",000					2 .) I	1			,	
lysore	1	4,480	5,600	4,480		3,360					516	497	408	402	35 9 [543	658	528	603	492
iysore , , , , , , , , , , , , , , , , , , ,	2,987				~	***			l	ŀ		497	- 1	- {	- [- 1			- [492
lysore	2,987		Ì				.	110			516 (a)	ŀ	408	402 22	358 40	543 70	106	137	136	492 144

(c) Not available.
(b) Discontinued.
(c) Included under Central India.
(c) The low outturn is due to the crop being sown in dry lands.

Note:— Figures for 1928-29 are subject to revision.

No. 2—YIELD PER ACRE OF CROPS (based on figures in tables Nos. 4 to 17) IN EACH PROVINCE IN EACH OF THE LAST TEN YEARS, 1919-20 to 1928-29—contd.

				,	Cotto	r (613)	erd)									Jors					
Province		1919-	1920- 21	1921-	1023- 2 3	1923-	1924- 25	1925- 26	1026- 27	1927- 28	19 2 8- 29	1020	1921	1933	1923	1924	1025	1936	1927	1928	19
		-	15.0	lbs		lbs	1be	Ib•	lbs	lbe	,ilbs	The .		lbs.	lbs	lbe	lbe	lbe	1bs	lbe	1ъ
adras		. 69	67	76	73	73	78	78	70	84	85										
mbay		103	65	99	91	72	82	77	75	93	70				***						۱
imosy	•		"									{a}	(a)	(a)	(a)	(a)	(a)	(a)	(0)	(0)	6
ongal,	•	145	118	92	94	118	125	133	130	103	91	963	1,085	1,236	1,233	1,212	1,181	1,280	1,223	1,272	1,1
nited Provinces .		138	116	118	108	130	105	110	120	124	163	•	•••	•••	***	***		•••	***	•••	٠.
njab		120	110	96	114	131	141	119	65	116	67	***	***	***		***				***	٠
erma	•		46	49	63	61	60	72	65	83	71	,					i		100		<u>.</u>
ihar and Orissa .	•	87	77	76	75	79	71	73	71	73	72	749	633	857	947	795	973	1,029	1,107	1,122	1, 1
ntral Provinces Berar	and.	113	48	103	86	83	76	73	80	103	105										١.
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Province	1919- 20	1920- 21 Ibs	1921- 22	1922-23	Ltws:	1924-25 Ibs	1925-26 1be	1926-27	1927-28 1bs	1928-29	1919 30	1020 31 Ibe	1921 32 Iba	1- 11	RAPE	1923- 24	Mveras 1924- 25	1975- 26	1926- 27	1927- 28	100
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Province mbay	1919- 20 Iba 224 252 422	1920- 21 Ibs 123 284 394	1921- 23 1bs 222 269 385	1922-23 lbs 156 353 495	1923-24 Ibs 183 312 409	1924-25 1bs 193-352 416	1925-26 1be 190 301 347	1026-27 Iba 174 329	1927-28 1bs 207 247 291	1928-29 1bs 297 323 810	1919-30 lbs 198-	1920 21 Ibs 183 389	1921 32 Iba	1- 11	RAPE 922- 23 bs 884 475	1923- 24 1bs 258 361 460	1924- 25 1bs 341 871	10?5- 26 Iba 225 257 870	1926- 27 lbs 241 891	1927-28 The 287 851 241	10 1 1 1 3 3 S
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⁽a) Including Cooch Behar and from 1926 also Tripura State. (b) Including Gwallor up to 1920-21. (c) Included under Central India. (d) Not available. (e) The low outturn is due to the crop being sown in dry lands. * Hefers to Kotah State only. † Refers to Alwar State only. ‡ See footnote (c) on page 19.

Nota—Figures for 1928-29 are subject to revision.

No. 2—YIELD PER ACRE OF CROPS (based on figures in tables Nos. 4 to 17) IN EACH PROVINCE IN EACH OF THE LAST TEN YEARS, 1919-20 to 1928-29—concld.

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Bombay . Bengal(s) United Provinces	1bs 26 18 9	31 1bs 28 18 8 11	22	23 lbs 26 19 3	1923- 24 lbs 26	1924 1 25 1 1bs 1 27 19 8	925- 26 16 bs 1 28	27	28 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	bs 25 13 10	19- 19- 20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	22 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10s 10s 10s 10s 10s 10s 10s 10s 10s 10s	3- 1992 2 1h 28	4- 192 24 Ibs 128	8 27 Ibs 186	1bs., 305	lbs 1 102 I	b6 lbs 28 44	Ibs	2 102 lba 126	23 192 Ibe 169 	lbs 173	1bs 179 12	1bs 1bs 1bs 77 189																											
Madras . Bombay . Bengal(*) United Provinces Punjab .	1bs 26 18 9 10 25	1bs 28 18 8 11 19	28 28 18 5 13 21	23 lbs 26 19 3	1923- 34 1bs 26 16 5 12 31	1924 1 26 1 1bs 1 27 19 8 18 17	925- 26 16 bs 1 28	27	28 2 1 17 17 12 19 19 19 19 19 19 19 19 19 19 19 19 19	bs 25 13 10 10 16	19- 19- 19- 19- 19- 19- 19- 19- 19- 19-	21 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1922-1932-2 1932	3- 192 2 1h 7 28	4- 192 24 Ibe 128	ibe 186	1bs., 305	1ts 1 103 1	bs lbs 28 41	Ibe 113	2 102 lba 126	23 192 Ibe 169 	lbs 173	1bs 179 12	1bs 1bs 159 189																											
Madras . Bombay . Bengal(s) United Provinces Punjab . Burma . Bihar and	1bs 26 18 9 10 25	1 lbs 29 18 8 11 19	22 Iba 28 18 5 13 21	23 lbs 26 l9 3 l1 21	1923	1924 1 25 1 1bs 1 27 19 8 13 17	925- 16 26 13 13	227 12 13 13 14 14	28 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 10 14	1019- 192 108- 11183 11	21 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1922-1932-2 1932	3-1022 2 1h	4 1022 24 Ibaa 3 128	Ibe 3 196	1bs, 305	1te 1 103 1 103 1 1 103 1 1 1 1 1 1 1 1 1 1		Ibs 113	1ba 126	Ibs 169 94	lbs 173		1ba 1ba 1ba 1ba 1ba 1s9 1s9 1s9 1s9 1s9 1s9 1s9 1s9 1s9 1s9																											
Madras . Bombay . Bengal(s) United Provinces Punjab . Burma . Bihar and Orissa .	1bs 36 18 9 10 25 16	31 1bs 28 18 8 11 19 13	22 Iba 28 18 5 13 21	23 lbs 26 l9 3 l1 21	1923-24 lbs 26 l6 l5 l2 l12 l12 l19	1924 1 25 1 1bs 1 27 19 8 1 3 17 8	925- 26 16 bs 1 28	22 22 22 24 24 25 25 25 25 25 25 25 25 25 25 25 25 25	28 2 10 17 17 17 19 19 19 19 19 19 19 19 19 19 19 19 19	10 10 16	1019- 19- 200	21 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1922-1922-2 1922	3- 192 2 2 1h 77 28	4 1022 20 1be 102 20 1be 102 102 102 102 102 102 102 102 102 102	Ibe 3 196	1bs, 305	1te 1 103 1 103 1 1 103 1 1 1 1 1 1 1 1 1 1		Ibs 113	1ba 126	Ibs 169 94	lbs 173 		1ba 1ba 1ba 1ba 1ba 1ba 1ba 1ba 1ba 1ba																											
Bombay . Bombay . Bengal(s) United Provinces Punjab . Burma . Bihar and Orissa . Coorg .	1bs 26 18 9 10 15 16	31 1bs 28 18 8 11 19 13	22 Ibs 28 18 5 13 21	23 lbs 26 19 3 11 21	1923-24 lbs 26 16 12 112	1924 1 25 1 1bs 1 27 19 8 13 17 8	025- 26 16 28 13	27 12 13 13 14 14 15 16 17 18 18 18 18 18 18 18	28 2 10 17 17 12 19 19 11 12 12 12 12 12 12 12 12 12 12 12 12	10 10 14	19- 19- 20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	21 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	22. 192 2 2 193 5 1bs 10	3- 1922 2 1h 7 28	4 192 24 Iba 128	Ibe 3 186	1bs, 305	1		Ibs 113	2 102 1ba 126 79	23 192 169 94	lbs 173 	lbs	11ba 1ba	Madras . Bombay . Bengal(s) United Provinces Punjab . Burma . Bihar and Orissa . Coorg . Mysore .	1bs 26 18 9 10 35	18 18 18 19 23	28 28 18 5 13 15	23 lbs 26 19 3 11 21	1923-24 lbs 26 16 12 31 19	1924 1 25 1 1bs 1 27 19 18 17 18 17 18 17 18 18	925- 16 26 13 13	227 128 129	12 12	10 10 14	1019- 19- 20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	21 2 2 3 1 2 2 3 1 3 4 1 1 4 4 1 1 1 4 1 4 1 1 4 1 1 4 1 1 4 1 1 1 1 4 1	22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3- 1922 1b 28	4 192 24 1ba 128 140 166 69	Ibe 196	1bs, 305	1 1 2 6 5 14		Ibs 113	2 102 1ba 126 79	23 192 169 94	118 130 36 187		1ba 1ba 1ba 1ba 1ba 1ba 1ba 1ba 1ba 1ba
Madras . Bombay . Bengal(s) United Provinces Punjab . Burma . Bihar and Orissa . Coorg . Mysore .	1bs 26 18 9 10 25 16	31 1bs 28 18 8 11 19 13	22 Iba 28 18 5 13 21 15	23 lbs 26 19 3 11 21	1923-24 lbs 26 l6 l5 l2 l1 lbs 12 lbs 12 lbs 12 lbs 12 lbs 12 lbs 14 lbs 15 lbs	1924 1 25 1 1bs 1 27 19 18 17 18 17 18 17 18 17 18 18	925- 16 26 13 13	227 128 129	28 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10 10 14	1019- 19- 200 21 21 21 21 21 21 21 21 21 21 21 21 21	21 2 2 1 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 2 1 2	22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	22- 192 2 3	3- 192 2 2 1h 7 28 3 161 192 173	102 24 libes 124	Ibe 3 196	1bs, 305 216 195 440 1	1 1 2 6 5 14	be lbs lbs	Ibs 113	2 102 1ba 126 79	Ibs 169 94 126 140 140	119 130 26 187 209	lbs	1ba 1ba 1ba 77 189																											

(a) The generally low outturn of sesamum in Ajmer-Merwara is due to the fact that the crop is grown on unirrigated land, which is valuable crop is expected to give an yield sufficiently remunerative. (a) The low outturn is due to the crop being sown in dry lands. (c) Not available.

Refers to Kotah State only.

Refers to Kotah State only.

No. 3-STANDARD OR NORMAL YIELDS PER ACRE OF THOSE CROPS FOR WHICH FORECASTS ARE PREPARED.

[For District figures, see Quinquennial Report on the Average Yield per acre of Principal Crops in India.]

Province	Rice (cleaned)	Wheat	Sugar- cane (gúr)	Cotton (ginned)	Jute	Lingeed	Rape and mustard	Sesamum	Castor	Ground- nut (nute in shell)	Indigo (dye)
	lbs	lbs	lbs	lbe	lbs	lbs	lbe	lb e	lbs	lbe	lbs
adras	1,057	•••	6,883	. 84	***	 ,	1173	803	229	1,120	2
ſ	1,230	575	6,950	102	•••	860	625	400	400	(g)2,500 (h)1,150	}
ombay {	1,364*	(g)930 (h) 780	} •7,600 •	181•		444	(g) 432 (h) 821	}• 274•	225	***	449
			: 1			~		! !			
-	(4) 1,022]	·				,				
engal	(b) 892	721	8,054	15\$	1,831	473	483	49 5 	***	-	***
٠ ل	(c) 1,142	ر		•							
nited Provinces .	900	1,050	2,600	176	***	500	_ 600	280	800		
пијав	•••	795	1,953	{ (i) 130 (j) 146	}	459	435	***	940		***
arma	1,000	 		110	Plan	••• - · ·••		160		1,000	, , , , , , , , , , , , , , , , , , ,
. [(a) 987	(d) 984	ገ			1		j			
ihar and Criesa	(6) 741	(e) 451	2,460	155	1,200	492	492	850	850	*••	
Ų	(c) 600	(f) 861	}	,							
entral Frovinces and Berar	647	577	3,186	102	•••	212	•••	210	400	***	•••
((a) 896)						 			
seam	(8) 706		2,576	176	1,400		504				***
orth-Wess Frontier	(c) 1,008	J						·.			
Province	• · · · · · · · · · · · · · · · · · · ·	612	1,892	90	 .	! !	314	***			
jmer-Merwara .	;	697		216			, (***	72		•••	,
coorg	1,464				***		•••			***	***
Delki		828	2,298	165			325		•••		
Mysore .	1,071	450	8,647	47							

No. 4—AREA AND YIELD OF RICE IN EACH PROVINCE.

Area (acres)

Province	1919-20	1920-21	1921-22	1922-23	1923-24	1924-25	1925-26	1926-27	1927-28	1928-29
Madras .	. 11,648,000	11,096,000	11,280,000	11,286,000	10,518,000	10,870,000	11,323,000	10,842,000	10,930,000	11,019,000
Bombay (includin Sind and India States)		3,599,000	3,461,000	3,521,000	3,4 35,000	3,433,000	-3, 569,000	3,428, 000	3,539,000	3,331,000
Bengal	20,938,000	20,884,000	21,832,000	21,773,000	20,346,000	20,814,000	21,133,000	19,871,000	19,682,000	21,403,000
Inited Provinces	6,539,000	6,868,000	6,880,000	(b) 7,046, 000	7,046,000	7,127,000	(2) 7,474,000	(1) 7,504,000	7,336,000	7,091,000
Burma .	. 10,480,000	10,338,000	11,001,000	11,288,000	11,917,000	12,112,000	12,212,000	12,449,000	12,353,000	12,545,000
Sihar and Oriesa(d	15,260,000	14,938,000	1 5,2 20,000	15,362,000	1 3,9 96,00 0	14,653,000	14,286,000	13,933,000	13,476,000	14,352,000
Central Frowince and Berar (b)	5,707,000	5,836,000	5,915,000	6,163,000	5,796,000	6,247,000	6,152,000	 5, 656 ,0 00	6,054,030	6,171,000
lesam .	4,256,000	4,427,000	4,335,000	4,438,000	4.596,000	4,499,000	4,402,000	4,498,000	4,173,000(c)	4, 963,000(a
Coorg	. 83,000	84,000	84,000	84,000	83,000	81,000	82,000	83,000	83,000	83,000
lyderabad .	. (a)	(a)	717,000	534,000	56 4,00 0.	. 624,000	846,000	539,000	933,000	992,000
lywore .	762,000	680,000	715,000	708,000	644,000	693,000	725,000	700,000	704,000	705,000
Baroda .	224,000	202,000	227,000	199,000	171,000	258,000	174,000	194,000	207,000	201,000
TOTAL	79,422,000	78,952,000	81,667,000	82,402,000	79,112,000	81,441,000	82,378,000	79,697,000	78,470,990	82,858,000

Yield (tons)

Madras	5,398,000	4,987,600	5,230,000	5,283,000	4,531,000	4,908,000	5,322,000	4,742,00	0 5,083,00	0 5,197,000
Bombay (including Sind and Indian States)	1,719,000	1,824,000	1,600,000	1,680,000	1,425,000	1,564,000	1,428,000	1,568,000	0 1,517,000	
Bengal	8,254,000	8,219,000	9,269,000	0,049,000	7,509,000	7,711,000	8,218,000	7,355,000	6,493,000	9,684,000
United Provinces .	2,248,000	(b) 1,560,000	2,920,000	(b) 2,118,000	(b) 1,972,000	(b) 2,286,000	(b) 2,171,000	(6) 2,349,000	(<i>b</i>) 2,195,000	(8)
Burma	3,686,000	4,072,000	4,623,000	4,606,000	4,167,000	5,067,000	4,743,000	5,112,000	Į	1
Bihar and Orissa (d)	6,977,000	4,846,000	6,408,000	7,281,000	4,898,000	6,023,000	4,889,000	4,789,000	4,378,000	5,588,000
Central Provinces and Berar (b)	1,862,000	842,000	1,841,000	1,756,000	1,798,000	1,499,000	1,707,000	1,769,000	1,753,000	1,654,000
Assam	1,543,000	1,547,000	1,844,000	1,511,000	1,495,000	1,507,000	1,598,000	1,536,000	1,808,000	1,677,000
Coorg	54,000	54,000	41,000	54,000	40,000	89,000	40,000	40,000	40,000	40,000
Hyderabad	(a)	(a)	215,000	189,000	190,000	240,000	418,000	183,000	845,000	403,000
Mysore	210,000	170,000	180,000	180,000	149,000	186,000	184,000	180,000	188,000	195,000
Baroda	78,000	85,000	72,000	46,000	26,000	42,000	29,000	53,000	49,000	60,000
TOTAL	32,024,000	27,656,000	33,143,000	33,703,000	28,198,000	31,072,000	30,737,000	29,680,000	28,234,000	32,016,000
					1	1		1	1	I

(a) Not available.
(b) Includes Indian States. (c) Including areas under seedlings which were subsequently transplanted.
(d) Excluding Foundatory States, estimates for which for 1928-29 are 3,233,000 acres and 2,209,000 tons, as against 3,143,000 acres and 1,331,000 tons in 1927-28.

No. 5-AREA AND YIELD OF WHEAT IN EACH PROVINCE.

Area (acres)

Province	1919-20	1920-21	1921-22	1922-23	1923-24	1924-25	1925-26	1926-27	1927-28	1929-29
Bombay (including Sind and Indian States)	2,439,000	1,786,000	2,4 23,000	2,450,000	1,865,000	2,268,000	1,740,000	2,215,000	2,380,000	2,501,000
Bengal	116,000	117,000	124,000	125,000	120,000	126,000	130,000	129,000	107,000	123,000
United Provinces .	7,037,000	6,589,000	6,906,000	7,085,000	7,283,000	7,472,000	6,991,000	6,831,000	7,588,000	7,218,000
Punjab (including Indian States) .	9,953,000	8,781,000	9,981,000	10,899,000	11,013,000	10,924,000	10,683,000	10,628,600	10,304,000	11,299,000
Bihar and Orissa (a)	1,145,000	1,094,000	1,133,000	1,266,000	1,226,000	1,175,000	1,163,000	1,188,000	1,199,000	1,212,000
Central Provinces and Berar (b) .	3,350,000	2,660,000	2,525,000	8,104,000	8,377,000	8,410,000	3,635,000	3,840,000	3,786,000	3,310,000
North-West Frontier Province (c)	1,025,000	722,000	938,000	1,138,000	1,055,000	1,015,000	1,096,000	998,000	000,888	1,068,000
Ajmer-Merwara .	24,000	18,000	19,000	16,000	18,000	19,000	7,000	22,000	39,000	31,000
Delhi	31,000	28,000	41,000	49,000	51,000	. 60,000	\$0,000	49,000	52,000	£1,000
Hyderabad	770,000	310,000	644,000	700,000	698,000	800,000	844,000	960,000	1,058,000	1,102,000
Музоге	5,000	4,000	5,000	6,000	2,000	4,600	3,000	3,000	8,000	8,000
Baroda	85,000	67,000	69,000	65,000	57,000	65,000	52,000	74,000	86,000	88,000
Gwalior	(ā)	(Å)	1,042,000	1,221,000	1,482,000	1,426,000	1,589,000	1,899,000	1,458,000	1,021,000
Central India States (d)	2,933,000	2,798,000	1,507,000	1,739,000	1,970,000	1,921,000	1,852,000	1,942,000	2,006,000	1,889,000
Rejputana States .	976,000	810,000	850,000	. \$89,000	969,000	1,105,000	836,000	999,000	1,134,000	1,095,000
						' '				-,500,000
TOTAL .	29,949,000	25,784,000	28,207,000	30,852,000	31,181,000	31,778,000	30,471,000	31,303,000	32,193,000	32,011,000
	29,949,000	25,784,000				31,778,000	30,471,000	31,303,000	32,193,000	32,011,000
Bombey (including		25,784,000		30,852,000 Yield		31,778,000	30,471,000	31,303,000	32,193,000	32,011,000
		25,784,000 329,000				31,778,000	30,471,000 338,000	31,303,000 465,000	32,193,000	32,011,000 409,000
Bombay (including Sind and Indian States)		329,000 31,000	536,000 28,000	F72,000 29,000	(tons)	474,000 25,000				
Bombay (including Sind and Indian States) Bengal	624,000	329,000	536,000	<i>Yield</i> (572,000	(tons)	474,000	338,000	465,000	598,000	409,000
Bombay (including Sind and Indian States) Bengal United Provinces Punjab (including Indian States)	624,000 28,000	329,000 31,000 (e)	536,000 26,000 (e)	572,000 29,000	326,000 23,000	474,000 25,000 (e)	338,000 28,000 (e)	465,000 82,000 (e)	598,000 22,000 (e)	409,000 32,000 (e)
Bombay (including Sind and Indian States) Bengal	624,000 28,000 2,996,000	329,000 31,000 (e) 2,374,000	536,000 28,000 (e) 2,699,000	572,000 29,000 (*) 2,587,000	326,000 23,000 (•) 2,656,000	474,000 25,000 (e) 2,417,000	338,000 28,000 (e) 2,314,000	465,000 82,000 (e) 2,514,000	596,000 22,000 (c) 2,394,000 2,764,000	409,000 32,000 (e) 2,519,060 8,423,000
Bombay (including Sind and Indian States). Bengal. United Provinces. Punjab (including Indian States). Bihar and Orissa (a) Central Provinces and Berar (b)	624,000 28,000 2,996,000 3,884,000 498,000 877,000	329,000 31,000 (e) 2,374,000 2,301,000	536,000 28,000 (e) 2,699,000 4,185,000	572,000 29,000 (*) 2,587,000 3,808,000	326,000 23,000 (*) 2,656,000 4,019,000	474,000 25,000 (e) 2,447,000 2,981,000	338,000 28,000 (e) 2,314,000 8,382,000	465,000 . 32,000 (e) 2,514,000 3,431,000	598,000 22,000 (e) 2,594,000 2,764,000 418,000	409,000 32,000 (e) 2,519,060 8,423,000 513,000
Bombay (including Sind and Indian States). Bengal. United Provinces. Punjab (including Indian States). Bihar and Orissa (s). Central Provinces and Berar (b). North-West Frontier Province (c)	624,000 28,000 2,996,000 3,884,000 498,000 877,000	329,000 31,000 (e) 2,374,000 2,301,000 455,000	536,000 28,000 (e) 2,699,000 4,185,000	572,000 29,000 (*) 2,587,000 3,808,000 518,000	326,000 23,000 (*) 2,656,000 4,019,000 468,000	474,000 25,000 (e) 2,417,000 2,981,000 473,000	338,000 28,000 (e) 2,314,000 8,382,000 427,000	465,000 . 82,000 (e) 2,514,000 8,431,000 477,000	598,000 22,000 2,594,000 2,764,000 418,000	409,000 32,000 (e) 2,519,060 8,423,000 513,000
Bombay (including Sind and Indian States). Bengal. United Provinces. Punjab (including Indian States). Bihar and Orissa (a). Central Provinces and Berar (b). North-West Frontier Province (c).	624,000 28,000 2,996,000 3,884,000 498,000	329,000 31,000 (e) 2,374,000 2,301,000 455,000	536,000 26,000 (e) 2,699,000 4,185,000 546,000	572,000 29,000 (*) 2,587,000 3,808,000 518,000	326,000 23,000 2,656,000 4,019,000 466,000 839,000	474,000 25,000 (e) 2,417,000 2,981,000 473,000 1,090,000	338,000 28,000 (e) 2,314,000 8,352,000 427,000	465,000 . 82,000 (e) 2,514,000 8,431,000 477,000	596,000 22,000 (e) 2,594,000 418,000 619,000	409,000 32,000 (e) 2,519,060 8,423,000 513,000 541,000
Bombay (including Sind and Indian States) Bengal . United Provinces . Punjab (including Indian States) . Bihar and Orissa (a) Central Provinces and Berar (b) . North-West Frontier Province (c) Ajmer-Merwara .	624,000 28,000 2,996,000 3,884,000 498,000 877,000	329,000 31,000 (e) 2,374,000 2,301,000 455,000 365,000	536,000 26,000 (e) 2,699,000 4,185,000 546,000 698,000 262,000	572,000 29,000 (*) 2,587,000 3,808,000 518,000 1,059,000 292,000	326,000 23,000 (*) 2,656,000 4,019,000 468,000 839,000	474,000 25,000 (e) 2,417,000 2,981,000 473,000 1,090,000	338,000 28,000 (e) 2,314,000 3,352,000 427,000 907,000	465,000 82,000 (e) 2,514,000 8,431,000 477,000 790,000	598,000 22,000 (e) 2,594,000 418,000 619,000 161,000	409,000 32,000 (e) 2,519,060 8,423,060 513,000 541,000 230,000 8,000
Bombay (including Sind and Indian States) Bengal . United Provinces . Punjab (including Indian States) . Bihar and Orissa (a) Central Provinces and Berar (b) . North-West Frontier Province (c) Ajmer-Merwara . Delhi . Hyderabad .	624,000 28,000 2,996,000 3,884,000 498,000 877,000 5,000	329,000 31,000 (e) 2,374,000 2,301,000 455,000 365,000 147,000 6,000	536,000 26,000 (e) 2,699,000 4,185,000 546,000 698,000 262,000	572,000 29,000 (*) 2,587,000 3,808,000 518,000 1,059,000 292,000 4,000	326,000 23,000 2,656,000 4,019,000 466,000 839,000 192,000 8,000	474,000 25,000 (e) 2,417,000 2,981,000 473,000 1,090,000 195,000	338,000 28,000 (e) 2,314,000 3,352,000 427,000 907,000 268,000 2,000	465,000 82,000 (e) 2,514,000 8,431,000 477,000 790,000 204,000 8,000	596,000 22,000 (e) 2,594,000 418,000 619,000 161,000 15,000	409,000 32,000 (e) 2,519,060 8,423,060 513,000 541,000 230,000 8,000 8,000
Bombay (including Sind and Indian States) Bengal . United Provinces . Punjab (including Indian States) . Bihar and Orissa (a) Central Provinces and Berar (b) . North-West Frontier Province (c) Ajmer-Merwara . Delhi . Hyderabad . Mysore	624,000 28,000 2,996,000 3,884,000 498,000 877,000 280,000 5,000 12,000	329,000 31,000 (e) 2,374,000 2,301,000 455,000 147,000 6,000	536,000 26,000 (e) 2,699,000 4,185,000 546,000 698,000 6,000 18,000	572,000 29,000 (*) 2,587,000 3,808,000 518,000 1,059,000 4,000 18,000	326,000 23,000 (*) 2,656,000 4,019,000 466,000 839,000 192,000 3,000 18,000	474,000 25,000 (e) 2,417,000 2,981,000 473,000 1,090,000 5,000 25,000	338,000 28,000 (e) 2,314,000 3,352,000 427,000 907,000 268,000 2,000 20,000	465,000 .82,000 (e) 2,514,000 8,431,000 477,000 790,000 204,000 8,000 16,000 61,000	596,000 22,000 (e) 2,594,000 418,000 619,000 161,000 15,000 19,000 82,000	409,000 32,000 (e) 2,519,060 8,423,060 513,000 541,000 230,000 8,000 62,000
Bombay (including Sind and Indian States) Bengal . United Provinces . Punjab (including Indian States) . Bihar and Orissa (a) Central Provinces and Berar (b) . North-West Frontier Province (c) Ajmer-Merwara . Delhi . Hyderabad . Mysore	624,000 28,000 2,996,000 3,884,000 498,000 877,000 5,000 12,000 53,000	329,000 31,000 (e) 2,374,000 2,301,000 455,000 147,000 6,000 6,000	536,000 28,000 (e) 2,699,000 4,185,000 546,000 698,000 6,000 18,000 54,000	572,000 29,000 (*) 2,587,000 3,808,000 518,000 1,059,000 4,000 18,000 52,000	326,000 23,000 (*) 2,656,000 4,019,000 466,000 192,000 3,000 18,000 56,000	474,000 25,000 (e) 2,417,000 2,981,000 473,000 1,090,000 5,000 25,000 73,000	338,000 28,000 (e) 2,314,000 3,382,000 427,000 907,000 268,000 2,000 74,000	465,000 . 82,000 (e) 2,514,000 8,431,000 477,000 790,000 294,000 8,000 16,000 (f)	596,000 22,000 (e) 2,594,000 418,000 619,000 161,000 15,000 19,000 82,000 (g)	409,000 32,000 (e) 2,519,060 8,423,000 513,000 541,000 8,000 8,000 62,000 1,000
Bombay (including Sind and Indian States) Bengal . United Provinces . Punjab (including Indian States) . Bihar and Orissa (a) . Central Provinces and Berar (b) . North-West Frontier Province (c) . Ajmer-Merwara . Delhi . Hyderabad . Mysore . Baroda . Gwalior .	624,000 28,000 2,996,000 3,884,000 498,000 877,000 5,000 12,000 53,000 1,000	329,000 31,000 (e) 2,374,000 2,301,000 455,000 147,000 6,000 12,000 6,000 1,000	536,000 26,000 (e) 2,699,000 4,185,000 546,000 698,000 18,000 18,000 1,000	572,000 29,000 (*) 2,587,000 3,808,000 518,000 1,059,000 4,000 18,000 52,000 1,000	(tons) 326,000 23,000 (*) 2,656,000 4,019,000 466,000 839,000 192,000 3,000 18,000 (f)	474,000 25,000 (e) 2,417,000 2,981,000 473,000 1,090,000 5,000 25,000 73,000 (g)	338,000 28,000 (e) 2,314,000 3,382,000 427,000 907,000 268,000 2,000 74,000 (g)	465,000 82,000 (e) 2,514,000 8,431,000 477,000 790,000 204,000 8,000 16,000 (f) 22,000	596,000 22,000 (e) 2,594,000 418,000 619,000 161,000 15,000 19,000 82,000 (g) 21,000	409,000 32,000 (e) 2,513,060 8,423,060 513,000 541,000 8,000 8,000 62,000 1,000
Bombay (including Sind and Indian States) Bengal . United Provinces . Punjab (including Indian States) . Bihar and Orissa (a) Central Provinces and Berar (b) . North-West Frontier Province (c) . Ajmer-Merwara . Delhi . Hyderabad . Mysore . Baroda . Gwalior Central In dia . States (d)	624,000 28,000 2,996,000 3,884,000 498,000 5,000 12,000 1,000 20,000 (\(\lambda\)) 659,000	329,000 31,000 (e) 2,374,000 2,301,000 455,000 147,000 6,000 1,000 16,000	536,000 26,000 (e) 2,699,000 4,185,000 698,000 6,000 18,000 1,000 20,000	572,000 29,000 (*) 2,587,000 3,808,000 518,000 1,059,000 4,000 18,000 52,000 1,000	326,000 23,000 2,656,000 4,019,000 466,000 192,000 3,000 18,000 (f) 22,000	474,000 25,000 (e) 2,417,000 2,981,000 473,000 1,090,000 5,000 25,000 73,000 (g) 18,000	338,000 28,000 (e) 2,314,000 3,382,000 427,000 907,000 268,000 2,000 74,000 (g) 18,000	465,000 . 82,000 (e) 2,514,000 8,431,000 477,000 790,000 294,000 8,000 16,000 (f)	596,000 22,000 (e) 2,594,000 418,000 619,000 161,000 19,000 82,000 (g) 21,000 165,000	409,000 32,000 (e) 2,519,060 8,423,000 541,000 8,000 8,000 62,000 11,000 193,600
Bombay (including Sind and Indian States) Bengal . United Provinces . Punjab (including Indian States) . Bihar and Orissa (a) . Central Provinces and Berar (b) . North-West Frontier Province (c) . Ajmer-Merwara . Delhi . Hyderabad . Mysore . Baroda . Gwalior .	624,000 28,000 2,996,000 3,884,000 498,000 5,000 12,000 53,000 1,000 20,000 (Å)	329,000 31,000 (e) 2,374,000 2,301,000 455,000 147,000 6,000 1,000 16,000 (h)	536,000 26,000 (e) 2,699,000 4,185,000 546,000 698,000 18,000 1,000 20,000 284,000	572,000 29,000 (*) 2,587,000 3,808,000 518,000 1,059,000 4,000 18,000 52,000 1,000 19,000 324,000	(tons) 326,000 23,000 2,656,000 4,019,000 466,000 839,000 192,000 18,000 (f) 22,000 418,000	474,000 25,000 (e) 2,417,000 2,981,000 473,000 1,090,000 5,000 25,000 73,000 (g) 18,000 870,000	338,000 28,000 (e) 2,314,000 3,382,000 427,000 907,000 268,000 2,000 74,000 (g) 18,000 336,000	465,000 82,000 (e) 2,514,000 8,431,000 477,000 790,000 8,000 16,000 (f) 22,000 281,000	596,000 22,000 (e) 2,594,000 418,000 619,000 161,000 15,000 19,000 82,000 (g) 21,000	409,000 32,000 (e) 2,513,060 8,423,060 513,000 541,000 8,000 8,000 62,000 1,000

⁽a) Excluding estimates for Orissa and Chota Nagpur Feudatory States which report an area of 2,400 acres with a yield of 300 fons in 1928-29, as against 2,900 acres and 400 tons last year.
(b) Includes the Tochi and the Kurram Agencies.
(c) Includes Gwalior up to 1920-21.
(d) Includes the States.

(f) 300 tons.
(g) About 500 tons.
(h) Included under Central India States.

Note—Figures for 1928-29 are subject to revision.

8,866,000 8,696,000

8,973,000

7,791,000

8,607,000

. 10,122,000 | 6,706,000 | 9,830,000 | 9,974,000 | 9,660,000

No. 6-AREA AND YIELD OF SUGARCANE IN EACH PROVINCE. Area (acres)

Province	1919-20	1920-21	1921-22	1922-23	1923-24	1924-25	1925-26	1926-27	1927-28	1928-29
	93,000	103,000	119,000	131,000	121,000	110,000	113,000	114,000	i 06,000	89,000
Madras Bombay (including	20,000	100,000	120,000	1	[[
Sind and Indian			j			i	,]		
States)	80,000	90,000	81,000	96,000	101,000	84,000	83,000	87,000	101,000	83,000
Bengal	218,000	219,000	221,000	201,000	202,000	206,000	215,000	201,000	209,000	196,000
Inited Provinces(b)	1,414,000	1,297,000	1,162,000	1,359,000	1,554,000	1,303,000	1,431,000	1,626,000	1,599,000	1,370,00
Ponjab	482,000	457,000	873,000	497,000	483,000	396,000	390,000	443,000	499,000	406,000
Bihar and Orissa (c)	275,000	286,000	306,000	306,000	307,000	289,000	294,000	289,000	289,000	287,00
Central Provinces		ļ .				02.000	00.000	23,000	23,000	23,00
and Berar	19,000	20,000	17,000	19,000	22,000	22,000	23,000		41,000	37,00
Assam	82,000	35,000	41,000	42,000	42,000	42,000	41,000	40,000	41,000	61,00
North-West Frontier		00.000	84000	39.000	43,000	41,000	48,000	53,000	43,000	48,00
Province	34,000	86,000	84,000 7,000	9,000	8,000	5,000	8.000	7,000	6.000	5,00
Delhi	(a)	(a) 30,000	32,000	38,000	35,000	32,000	83,000	36,000	34,000	31,000
Mysore	84,000 8,000	2,000	2,000	8,000	3,000	2,000	1,000	1,000	2,000	2,00
Baroda			2,895,000	2,740,000	2,921,000	·——	2,680,000	2,925,000	2,952,000	2,577,00
Total .	2,684,000	2,575,000							2,000,	
•			Yiel	ld (ton	is) of a	raw s	ugar	(gúr)		
Madrae	264,000	278,000	315,000	858,000	820,000	313,000	315,000	305,000	283,000	245,000
Bombay (including	1,	1	,		•	!	-	i	,	
Sind and Indian	1]				ĺ		_		
States)	188,000	221,000	179,000	259,000	243 000	226,000	216,000	220,000	290,000	230,00
Bengal	256,000	255,000	239,000	212,000	217,000	210,000	245,000	215,000	236,000	216,00
United Provinces(b)	1,453,000	1,036,000	1,128,000	1,851,000	1,643,000	1,067,000	1,423,040	1,690,000	1,531,000	1,230,00
Punjab	428,000	315,000	278,000	414,000	418,000	830,000	303,00	849,000	881,000	301,00
Bihar and Orissa (c)	818,000	299,000	337,000	290,000	319,000	252,000	318,000	303,000	309,000	312,00
Central Provinces	04,000	30,000	00.000	24,000	28,000	29,000	29.000	28,000	36,000	38,00
and Berar	24,000	19,000	20,000				35,000	42,000	42,000	39,00
Assam North-West Frontier	29,000	82,000	32,000	38,000	86,000	36,000	30,000	-22,000	22,000	35,00
Th	41,000	42,000	48,000	48,000	53,000	50,000	59,000	62,000	63,000	59,00
Dalkt	(4)	(a)	11,000	15.000	8,000	6,000	6,000	5,000	7,000	4,00
V mana	84,000	26,000	27,000	30,000	28,000	24,000	27,000	38,000	32,000	33,00
Barode	4,000	4,000	5,000	6,000	6,000	8,000	1,000	1,000	4,000	3,00
	1 -,550	2,000	-,550	l 5,550		-/	-,	','''		, ,
TOTAL .	8.039.000	2.522.000	2,614,000	8.045.000	3.317.000	2.546.000	2.977.000	3.267.000	3.217.000	2,710.00

Total . 3,039,000 2,522,000 2,614,000 3,045,000 3,317,000 2,546,000 2,977,000 3,267,000 3,217,000 2,710,000 (a) Not available.
(b) Including Rampur State from 1920-21.
(c) Excluding Feudatory States, estimates for which for 1928-29 were 22,000 acres and 21,000 tons, against 26,000 acres and 17,000 tons in the preceding year.

Note—Figures for 1928-29 are subject to revision.

No. 7—AREA AND YIELD OF TEA IN EACH PROVINCE.

Area (acres)

Province	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928
Madras Bengal United Provinces Punjab Burma Bihar and Orissa Assain Coorg. Mysore(c) Travancore Tripura (Bengal)	89,700 178,200 7,800 9,800 1,700 2,100 411,900 	41,300 172,800 6,700 9,700 1,700 2,100 420,200 47,100 8,000	42,500 177,800 6,500 9,800 (a) 2,200 417,200 48,700 4,800	44,500 180,300 6,000 9,800 (a) 2,100 412,100 48,300 5,100	46,400 180,800 6,000 9,700 (a) 2,100 411,900 49,400 4,900	46,900 181,800 6,200 9,700 (a) 1,900 413,300 300 49,800 4,800	48,800 187,700 6,500 9,600 (a) 2,100 416,500 400 50,800 5,300	51,900 188,700 6,200 9,700 (a) 2,100 420,490 400 54,000	58,100 189,800 6,000 9,700 (a) 1,900 400 1,900 57,300 6,900	62,800 193,500 6,000 9,700 (a) 1,900 427,200 400 2,500 61,400 7,600
Total .	691,800	704,100	709,000		711,200	714,700	727,700	739,400	756,000	773,000
·				<u> </u>	ield (i	(08)				<u> </u>
Madras	10,469,400	12,255,800	11,521,600	14,240,800	18,095,800	19,696,400	21,113,100	22,483,500	24,132,200	26,785,300
Bengal	99,511,400	71,696,600	58,753,700	71,720,700	87,950,600	87,121,200	84,718,800	95,009,300	97,002,900	93,010,000
United Previnces	2,123,800	1,491,900	1,008,300	1,542,400	1,961,500	1,741,800	1,689,200	1,720,300	1,597,600	2, 133,800
Punjab	1,781,200	1,663,500	1,405,900	1,548,400	1,721,700	1,936,800	1,811,000	1,975,206	2,078,400	1,904,900
Burma	188,500	184,100	(a)	(a)	(a)	(4)	(a)	(a)	(a)	(a)
Bihar and Orlsea .	412,500	384,500	172,500	200,200	216,470	218,500	237,400	278,400	306,600	831,100
Assam	239,182,900	234,314,100	181,502,800	199,965,300	237,600,400	237,153,100	225 , 184,900	241,981,700	235,887,800	246,017,700
Coorg	23,535,900	 23,899,100	19,876,800	 22,807,400	27,583,200	(b) 27,0 55 ,800	116,500 28,075,100	138,100 28,531,100	151,800 (b) 28,825,800	216,300 81,700 30,188,300
Tripura (Bengal) . Toral .	877,055,600	(b) 845,839,600	2 4, 000 27 4, 263,800	114,200 311,638,900	226,100 875,355,700	339,300 875,255,900	560,600 363,503,600	820,800 892,933,200	940,100 890,919,800,	1.095.600
•	(6	a) Discontin	ned.	(b) Not av	llable.	(c) Ran	ort received	for the fret	tima 44 is ma	-

No. S-AREA AND YIELD OF COTTON IN EACH PROVINCE. Area (acres)

Province	1919-20	1920-21	1921-22	1922-23	1923-24	1924-25	1925-26	1926-27	1927-28	1928-29
Madras (a) . Bombay (including Sind and Indian	2,370,000	2,150,000	1,803,000	2,348,000	2,658,000	2,903,000	2,921,000	2,231,000	2,123,000	2,495,000
States)	6,176,000	5,963,000	4,676,000	5,817,000	6,788,000	7,713,600	8,117,000	6,914,000	7,763,000	7,627,000
Bengal (including Tripura State) United Provinces (including Rampur	69,600	71,000	65,000	72,000	71,000	77,000	78,000	7 7, 0 00	78,000	79,000
State). Punjab (f).	1.269,000 2,269,000	1,161,000 2,142,000	828,000 1,239,000	664,000 1,394,000	654,000 1,927,000	1,049,000 2,589,000	1,004,000 3,052,000	80:1,000 2,803,000	643,000 2,088,000	715,000 2,525,000
Burma	430,000	366,000	825,000	284,000	301,000	352,000	464,000	447,000	326,000	815,000
Bibar and Orissa (A)	78,000	78,000	79,000	80,000	81,000	79,000	82,000	79,000	77,000	78,000
Central Provinces and Berar	4,600,000 33,000	4,477,000 39,000	4,414,000 40,000	4,857,000 40,000	4,933,000 89,000	5,247,000 45,000	5,385,000 47,000	4,864,000 46,000	4,798,000 45,000	4,97 2,000 44 ,000
North-West Fron- tier Province . Ajmer-Merwara .	51,000 41,000	_ 27,000 42,000	15,000 26,000	15,000 36,000	23,000 41,000	_ 39, 000 45,0 00	32,000 54,000	30,000 43,000	10,000 42,000	17,000 44,000
Delhi	(c)	(c)	. 2,000	2,000	3,000	4,000	6,000	4,000	2,000	2,000
Hyderabad	3,095,000	2,214,000	2,914,000	3,813,000	3,500,000	3,412,000	3,781,000	3,267,000	3,631,000	4,019,000
Mysore	147,000	110,000	59,000	83,000	84,000	118,000	83,000	97,000	81,000	76,000
Baroda	794,000	792,000	€00,000	585,000	657,000	658,000	868,000	761,000	806,000	793,000
Gwalior	(d)	(d)	355,000	\$23,CO0	500,00 0	699,000	651,000	000,618	585,000	645,000
Central India States(b) Rajputana States .	1,591,000 371,000	1,332,000 375,000	714,000 297,000	889,000 802,000	1,041,000 830,000	1,354,000 418,000	1,369,000 411,000	1,297,000 404,000	1,263,000 422,000	1,301,000 465,000
TOTAL .	23,386,000		18,451,000	<u>~~~</u>						26,512,000
	20,000,000		:		<u> </u>	_			24,102,000	20,012,000
			Yi	eld (be	ales of	*400 l	bs euc	<u>h)</u>	<u></u>	
Madras (a) Bombay (including Sind and Indian		358,000	341,000	431,000	483,000	567,000	5 69 , 0 0 0	388,000	447,000	528,000
States) . Bengal (including	1,589,000	969,000	1,137,000	1,328,000	1,212,000	1,589,000	1,566,000	1,289,000	1,801,000	1,339,000
Tripura State) United Provinces	25,000	21,000	15,000	17,000	21,000	24,000	28,000	25,000	20,000	18,000
(including Rampu State)	436,000	337,000	244,000	180,000	213,000	276,000	277,000	258,000	199,000	255,000
Punjab (f) .	682,000	588,000	296,000	397,000	630,000	910,000	908,000	599,000	602 ₄ 000	616,000
Burma	. 89,000	42,000	40,000	45,000	46,000	70,000	83,000	73,000	67,000	56,000
Bihar and Orissa (A Central Province		15,000	15,000	15,000	16,000	14,000	15,000	14,000	14,000	- 14,000
and Berar .	1,289,000	514,000	1,127,000	1,040,000	1,020,000	1,000,000	980,000	977,000	1,235,000	1,301,000
Assam	. 13,000	15,000	12,000	14,000	14,000	15,000	18,000	15,000	.15,000	17,000
North-West Fron tier Province	11,000	5,000	3,000	3,000	5,000	8,000	7,000	5,000	2,000	. · 4, 000
Ajmer-Merwara	. 24,000	15,000	12,000	15,000	13,000	15,000	17,000	15,000	14,000	21,000
Delhi .	(c)	(c)	(e)	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Hyderabad .	749,000	_311,000	_870,000	1,118,000	1,079,000	899,000	1,060,000	£08,000	951,000	895,000
Муноге	18,000	_11,000	15,000	24,000	15,000	36,000	25,000	25,000	25,000	23,000
Baroda ,	. 127,000	127,000	85,000	116,000	76,000	171,000	189,000	124,000	124,000	70,000
Gwalior Central Indi	(d)	(d)	46,000	74,000	60,000	145,000	116,000	107,000	115,000	107,000
States (b) .	219,000	162,000	158,000	181,000	184,000	259,000	270,000	223,000	234,000	245,000
Rajputana States		1	1			1			1	
and promise craves	. 99,000	1	68,000	76,000	73,000	89,000	93,000	78,000	97,000	123,000
Total		81,000]	1		ľ	93,000	78,000 5,024,000	97,000 5,963,000	123,000 5,632,000

⁽a) Includes the State of Banganapalle up to 1925-26 and also Pudukottai from 1926-27.
(b) Includes Gwalior up to 1920-21.
(c) Not available. (d) Included under Central India States. (e) About 400 bales. (f) Includes Indian States. (g) Not yet available. Excluding Feudatory States, estimates for which for 1928-29 are 45,000 acres and 11,000 bales, as against 49,000 acres and 17,000 bales in 1927-28.
(i) The export as well as the consumption figures are for the year ending August. Frior to 1916-17 the estimates of mill consumption were based on returns of yarn produced by mills; subsequently the estimates framed by the Bombay Millowners' Association on the base of returns farnished to them by mills were adopted. From 1923-24 mill consumption figures are being estimated by the Indian Central Cotton Committee on the basis of returns farnished under the Cotton Cess Act and these have been utilized. No reliable information is available regarding annual consumption outside the mills, but in 1911 a conventional estimate of 450,000 bales was adopted in consultation with the Bombay Cotton Trade Association (now East India Cotton Association). This estimate was revised to 1,00,000 bales in 1914-15 and to 750,000 bales in 1915-16.

Note—Figures for 1928-29 are subject to revision.

No. 8A-AREA AND YIELD OF **COTTON** ACCORDING TO TRADE DESCRIPTIONS.

Area (acres)

Descriptions of cotton	1919-20	1920-21	1921-22	1922-23	1923-24	1924-25	1925-26	1026-27	1927-28	1928-29
Oomras— Khandesh • Central India Barsi and Nagar*	1,472,000 1,591,000 1,736,000	1,332,000	1,203,000 1,069,000 1,549,000	1,410,000 1,412,000 2,180,000	1,417,000 1,541,000 1,990,000	1,468,000 2,053,000 } s,213,000	1,565,000 2,020,000 3,631,000	1,414,000 1,946,000 3,261,000	1,452,000 1,848,000 3,792,000	1,339,000 1,946,000 3,962,000
Hyderabad-Gao- rani Berar Central Provinces	1,158,000 3,115,000 1,485,000	893,000 8,123,000 1,354,000	1,125,000 3,140,000 1,274,000	1,439,000 8,356,000 1,501,000	1,400,000 }4,933,000)	5,385, 0 00	4,864,000	4,796,000	4,972,000
Total .	10,557,000	9,069,000	9,360,000	11,298,000	11,281,000	11,981,000	12,601,000	11,488,000	11,888,000	12,219,000
Dholleras	2,205,000	2,408,700	1,845,000	2,014,000	2,127,000	2,578,000	3,173,000	2,435,000	3,072,000	3,031,000
United Provinces Rajputana	1,268,000 464,000	1,161,000 477,000	828,000 371,000	664,000 396,000	654,000 412,000	1,049,000 474,000	1,001,000 465,000	809,000 447,000	643,000 464,000	715,000 509,000
- Sind-Punjab Others	(a) 2,639,000 82,000	(a) 2,444,000 82,000	999,00 0 82,00 0	1,295,000 85,000	1,696,000 85,000	2,062,000 86,000	2,314,000 90,000	2,020,000 87,000	1,591,000 84,000	2,236,000 85,000
TOTAL	4,453,000	4,164,000	2,280,000	2,440,000	2 ,847,000	3,671,000	8,873,000	3,363,000	2,782,000	3,545,000
American — Punjab Sind Broach Coompta-Dharwars Westerns and Nor	(b) 1,283,000 1,320,000	(b) 1,273,000 1,301,000	401,000 (b) 949,000 926,000	382,000 7,000 1,130,000 1,130,000	604,000 5,000 1,233,000 1,696,000	064,000 16,000 1,355,000 1,951,000	1,148,000 7,000 1,413,000 1,729,000	1,134,000 25,000 1,211,000 1,513,000	750,000 15,000 1,274,000 1,726,000	961,000 29,000 1,226,000 1,782,000
therns Cocanadas Tinnevellies Salems Cambodias	1,796,000 243,000 440,000 199,000 318,000	1,431,000 240,000 473,000 205,000 270,000	1,125,000 212,000 526,000 139,000 229,000	1,657,000 279,000 1,048,000	1,949,000 263,000 611,000 211,000 369,000	2,199,000 291,000 621,000 235,000 442,000	2,233,000 304,000 705,000 194,000 415,000	205,000 525,000 181,000	1,534,000 214,000 568,000 181,000 287,000	1,808,000 236,000 610,000 224,000 384,000
A Ill Danma						1			1	
Comillas, Burms and other sorts	572,000	505,000	459,000	419,000	435,000	497,000	608,000	588,000	470,000	457,000
	572,000	\ 			<u> </u>	497,000 26,601,000	<u> </u>		\ <u> </u>	\
and other sorts	572,000	21,839,000	18,451,000	21,804,000	23,631,000	<u> </u>	28,403,000		\ <u> </u>	\
and other sorts GRAND TOTAL Oomras—	572,000	21,839,000 Y i	18,451,000 eld (b)	21,804,000 ales o	23,631,000 f 400	26,801,000 lbs e	28,403,000 ach)	24,822,000	24,761,000	26,512,000
and other sorts	572,000	21,839,000	18,451,000	21,804,000	23,631,000 f 400 288,000	26,801,000 lbs e	28,403,000	24,822,000	\ <u> </u>	284,000
Omras—Khandesh .	. 572,000 23,386,000 . 445,000 219,000 352,000	21,839,000 Yi	18,451,000 eld (b)	21,804,000 ales o	23,631,000 of 400 288,000 214,000	26,601,000 <i>lbs e</i> 270,000 404,000 } 778,000	28,403,000 ach)	24,822,000	24,761,000	284,000 352,000
Omras— Khandesh Central India Barsi and Nagar Hyderabad-Gao-	23,386,000 245,000 219,000 852,000 835,000	21,339,000 Y i 168,000 162,000 162,000 122,000 288,000	18,451,000 eld (b) 312,000 204,000 386,000 420,000 818,000	21,804,000 21,804,000 332,000 . 255,000 628,000 451,000	23,631,000 288,000 244,000 579,000 500,000 }1,020,000	26,601,000 105 e 270,000 404,000 778,000	28,403,000 ach) 267,000 386,000	24,822,000 206,000 \$30,000 802,000	24,761,000 307,000 349,000	284,000 352,000 791,000
Operas— Khandesh Central India Barsi and Nagar Hyderabad-Gao- rani Berar	. 23,386,000 . 23,386,000 . 445,000 . 219,000 . 835,000 . 931,000	21,339,000 Yi 168,000 162,000 162,000 122,000 288,000 226,000	18,451,000 eld (b) 312,000 204,000 386,000 420,000 818,000 309,000	21,804,000 21,804,000 332,000 . 255,000 628,000 451,000	288,000 214,000 579,000 500,000 1,020,000	26,801,000 108 e 270,000 404,000 778,000 1,000,000	28,403,000 (ach) 267,000 386,000 929,000	24,822,000 206,000 330,000 802,000	307,000 349,000 970,000	284,000 352,000 791,000
Omras— Khandesh Central India Barsi and Nagar Hyderabad-Gao- rani Berar Central Province	572,000 23,386,000 445,000 219,000 352,000 931,000 358,000 2,640,000	21,339,000 Yi 168,000 162,000 162,000 288,000 226,000 1,128,000 453,000	18,451,000 eld (b) 312,000 204,000 386,000 420,000 818,000 309,000	21,804,000 21,804,000 332,000 . 255,000 628,000 451,000 695,000 345,000	23,631,000 288,000 244,000 579,000 500,000 } 1,020,000 2,631,000	26,801,000 10s e 270,000 404,000 778,000 1,000,000 2,452,000	28,403,000 (ach) 267,000 386,000 929,000 980,000	24,822,000 206,000 330,000 802,000 977,000 2,375,000	24,761,000 307,000 349,000 970,000 1,235,000	284,000 352,000 791,000 1,301,000 2,728,000
Oomras— Khandesh . Central India Barsi and Nagar Hyderabad-Gao- rani Berar Central Province TOTAL Dhollerss . Bengal-Sind— United Province	572,000 23,386,000 445,000 219,000 852,000 835,000 931,000 2,640,000 510,000	21,339,000 Y i 168,000 162,000 162,000 288,000 226,000 1,128,000 453,000 337,000	18,451,000 eld (b) 312,000 204,000 386,000 420,000 818,000 309,000 2,449,000 455,000 244,000	21,804,000 21,804,000 332,000 255,000 451,000 695,000 345,000 2,706,000 489,000 180,000	23,631,000 288,000 214,000 579,000 500,000 2,631,000 311,000 213,000	26,801,000 10s e 270,000 404,000 778,000 1,000,000 2,452,000 628,000 276,000	28,403,000 (ach) 267,000 386,000 929,000 2,562,000 630,000 277,000	24,822,000 266,000 330,000 802,000 977,000 2,375,000 569,000 258,000	24,761,000 307,000 349,000 970,000 1,235,000 2,861,000	284,000 352,000 791,000 1,301,000 2,728,000
Ochras CRAND TOTAL Ochras Khandesh Central India Barsi and Nagar Hyderabad-Gaorani Berar Central Province TOTAL Dhollerss Bengal-Sind— United Province Rajputana Sind-Punjab	572,000 23,386,000 445,000 219,000 835,000 931,000 2,640,000 436,000 133,000 (a) 777,000	21,339,000 Yi 168,000 162,000 162,000 288,000 226,000 1,128,000 453,000 337,000 105,000 (a) 635,000	18,451,000 eld (b) 312,000 204,000 386,000 420,000 818,000 309,000 2,449,000	21,804,000 21,804,000 332,000 . 255,000 628,000 451,000 345,000 2,706,000 489,000	288,000 244,000 579,000 500,000 2,631,000 213,000 92,000	26,501,000 105 e 270,000 404,000 778,000 1,000,000 2,452,000 628,000 276,000 105,000	28,403,000 (ach) 267,000 386,000 929,000 2,562,000 630,000 277,000 110,000	24,822,000 206,000 330,000 802,000 977,000 2,375,000 569,000 258,000 93,000	24,761,000 307,000 349,000 970,000 1,235,000 2,861,000 858,000 199,000 111,000	284,000 352,000 791,000 1,301,000 2,728,000 255,000 144,000
Omras— Khandesh . Central India Barsi and Nagar Hyderabad-Gao- rani Berar Central Province Total Dhollerss Bengal-Sind— United Province Rajputana Sind-Punjab Others	572,000 23,386,000 445,000 219,000 352,000 931,000 2,640,000 510,000 436,000 133,000 (a) 777,000 19,000	21,839,000 Yi 168,000 162,000 162,000 288,000 226,000 1,128,000 453,000 105,000 (a) 635,000 16,000	18,451,000 eld (b) 312,000 204,000 386,000 420,000 818,000 309,000 244,000 90,000 272,000 16,000	21,804,000 21,804,000 332,000 .255,000 628,000 451,000 345,000 2,706,000 180,000 102,600 .895,000 16,000	23,631,000 288,000 244,000 579,000 500,000 2,631,000 213,000 92,000 540,000 17,000	26,801,000 108 e 270,000 404,000 778,000 1,000,000 2,452,000 628,000 276,000 105,000 -673,000 16,000	28,403,000 (ach) 267,000 386,000 929,000 2,562,000 630,000 277,000 110,000 -676,000 17,000	24,822,000 266,000 330,000 802,000 977,000 2,375,000 569,000 258,000 93,000 454,000 16,000	24,761,000 307,000 349,000 970,000 1,235,000 2,861,000 858,000 199,000 111,000 456,000 16,000	284,000 352,000 791,000 1,301,000 2,728,000 255,000 144,000 542,000
Omras— Khandesh Central India Barsi and Nagar Hyderabad-Gaorani Berar Central Province Total Dhollerss Bengal-Sind— United Province Rajputana Sind-Punjab	572,000 23,386,000 445,000 219,000 835,000 931,000 2,640,000 436,000 133,000 (a) 777,000	21,839,000 Yi 168,000 162,000 162,000 288,000 226,000 1,128,000 453,000 105,000 (a) 635,000 16,000	18,451,000 eld (b) 312,000 204,000 386,000 420,000 818,000 309,000 244,000 90,000 272,000 16,000	21,804,000 21,804,000 332,000 .255,000 628,000 451,000 345,000 2,706,000 180,000 102,000 16,000	23,631,000 288,000 244,000 579,000 500,000 2,631,000 213,000 92,000 540,000 17,000	26,801,000 108 e 270,000 404,000 778,000 1,000,000 2,452,000 628,000 276,000 105,000 -673,000 16,000	28,403,000 (ach) 267,000 386,000 929,000 2,562,000 630,000 277,000 110,000 - 676,000	24,822,000 266,000 330,000 802,000 977,000 2,375,000 569,000 258,000 93,000 454,000 16,000	24,761,000 307,000 349,000 970,000 1,235,000 2,861,000 858,000 199,000 111,000 456,000	284,000 352,000 791,000 1,301,000 2,728,000 255,000 144,000 16,000
Oomras— Khandesh Central India Barsi and Nagar Hyderabad-Gao- rani Berar Central Province TOTAL Dholleras Bengal-Sind— United Province Rajputana Sind-Punjab Others TOTAL American— Punjab Sind Broach Coompta-Dharware	572,000 23,386,000 219,000 352,000 352,000 358,000 2,640,000 436,000 133,000 (a) 777,000 19,000 1,365,000	21,339,000 Yi 168,000 162,000 162,000 288,000 226,000 1,128,000 453,000 105,000 (a) 635,000 16,000 (b) 129,000	18,451,000 eld (b) 312,000 204,000 386,000 420,000 818,000 309,000 244,000 90,000 272,000 16,000	21,804,000 21,804,000 332,000 . 255,000 628,000 451,000 345,000 180,000 102,000 395,000 16,000 693,000 117,000 4,000	23,631,000 288,000 244,000 579,000 500,000 2,631,000 213,000 92,000 540,000 17,000 862,000 235,000 215,000 215,000	26,501,000 105 e 270,000 404,000 1,000,000 2,452,000 628,000 276,000 105,000 1,070,000 363,000 4,000 345,000	28,403,000 (ach) 267,000 386,000 929,000 2,562,000 630,000 277,000 110,000 -676,000 17,000 1,080,000 359,000 31,000	24,822,000 268,000 330,000 802,000 977,000 2,375,000 258,000 93,000 454,000 16,000 821,000 229,000 5,000 222,000	24,761,000 307,000 349,000 970,000 1,235,000 2,861,000 858,000 199,000 111,000 456,000 16,000	284,000 352,000 791,000 1,301,000 2,728,000 255,000 144,000 542,000 16,000 967,000
Ocmras— Khandesh Central India Barsi and Nagar Hyderabad-Gaorani Berar Central Province TOTAL Dhollerss Bengal-Sind— United Province Rajputana Sind-Punjab Others TOTAL American— Punjab Sind Broach Coompta Dharware Westerns and Notherps Cocanadas Tinnevellies Salems	572,000 23,386,000 219,000 352,000 352,000 358,000 2,640,000 133,000 (a) 777,000 19,000 1,365,000 (b) 308,000 299,000 280,000 33,000 115,000 20,000	21,339,000 Yi 168,000 162,000 162,000 288,000 226,000 1,128,000 453,000 105,000 (a) 635,000 16,000 1,093,000 1,093,000 147,000 42,000 122,000 22,000	18,451,000 eld (b) 312,000 204,000 386,000 420,000 818,000 309,000 2449,000 272,000 16,000 272,000 16,000 17,000 135,000 17,000	21,804,000 21,804,000 332,000 .255,000 628,000 451,000 345,000 180,000 102,C00 180,000 117,000 4,000 231,000 167,000 167,000 167,000 23,000	23,631,000 288,000 244,000 579,000 500,000 2,631,000 213,000 213,000 213,000 215,000 215,000 254,000 182,000 157,000 25,000	26,801,000 108 e 270,000 404,000 1,000,000 2,452,000 628,000 276,000 105,000 -673,000 1,070,000 345,000 345,000 345,000 345,000 345,000 345,000 345,000 345,000 32,000	28,403,000 (ach) 267,000 386,000 929,000 980,000 2,562,000 110,000 -676,000 17,000 1,080,000 317,000 317,000 34,000 54,000 150,000 36,000	24,822,000 266,000 330,000 802,000 977,000 2,375,000 258,000 93,000 454,000 16,000 222,000 201,000 173,000 30,000 135,000 34,000	24,761,000 307,000 349,000 970,000 1,235,000 2,861,000 199,000 111,000 456,000 16,000 782,000 219,000 3,000 244,000 327,000 221,000 39,000 148,000 34,000	284,000 352,000 791,000 1,301,000 2,728,000 255,000 144,000 6,000 145,000 394,000 45,000 45,000 162,000
Omras— Khandesh Central India Barsi and Nagar Hyderabad-Gaorani Berar Central Province TOTAL Dholleras Bengal-Sind— United Province Rajputana Sind-Punjab Others TOTAL American— Punjab Sind Broach Coompta-Dharware Westerne and Notherbers Cocanadas Tinnevellies	572,000 23,386,000 219,000 352,000 352,000 358,000 2,640,000 133,000 133,000 1,365,000 299,000 280,000 299,000 15,000 98,000 98,000	21,339,000 **Yi* 168,000 162,000 162,000 226,000 226,000 1,128,000 453,000 635,000 (a) 635,000 16,000 1,093,000 (b) 199,000 216,000 147,000 42,000 122,000 22,000 98,000	18,451,000 eld (b) 312,000 204,000 386,000 420,000 818,000 309,000 2449,000 244,000 90,000 -72,000 16,000 168,000 212,000 143,000 42,000 135,000 17,000 92,000	21,804,000 21,804,000 332,000 .255,000 628,000 451,000 2,706,000 180,000 102,600 395,000 16,000 117,000 281,000 189,000 167,000 23,000 141,000 23,000 130,000	23,631,000 288,000 244,000 579,000 500,000 2,631,000 213,000 213,000 235,000 254,000 215,000 254,000 157,000 157,000 157,000	26,501,000 105 e 270,000 404,000 1,000,000 2,452,000 276,000 105,000 -673,000 16,000 1,070,000 345,000 345,000 345,000 345,000 345,000 164,000 32,000 183,000	28,403,000 (ach) 267,000 386,000 929,000 2,562,000 630,000 277,000 110,000 17,000 1,080,000 317,000 359,000 317,000 36,000 155,000 155,000	24,822,000 268,000 330,000 802,000 977,000 2,375,000 569,000 258,000 93,000 454,000 16,000 222,000 201,000 173,000 30,000 135,000 34,000 116,000	24,761,000 307,000 349,000 970,000 1,235,000 2,861,000 199,000 111,000 456,000 16,000 782,000 219,000 244,000 327,000 221,000 39,000 148,000 34,000 123,000	\

^{*} Includes the whole of cotton grown in Non-Government areas in Hyderabad.

(a) Includes Punjab-American Cotton grown in the Punjab.

(b) Included under Sind-Punjab.

Notz—Figures for 1928-29 are subject to revision.

No. 9-AREA AND YIELD OF JUTE IN EACH PROVINCE. Area (acres)

Province	1920	1921 -	1922	1923	1924	1925	1924	1927	1928	1929
Bengal (a) Bihar and Orissa	2,169,000 179,000 125,000 36,000	1,316,000 108,000 81,000 13,000	1,528,000 160,000 90,000 22,000	2,410,000 223,000 120,000 35,000	2,358,000 246,000 134,000 32,000	2,685,000 263,000 136,000 31,000	3,321,000 297,000 186,000 43,000	2,933,000 241,000 171,000 29,000	2,670,000 247,000 195,000 32,000	2,917,000 231,000 139,000 30,000
Total (d) .	2,509,000	1,518,000	1,800,000	2,788,000	2,770,000	3,118,000	3,847,000	3,374,000	3,144,000	3,317,000

Yield (bales of 400 lbs each)

Rengal (a)	5,247,000 335,000 275,000 58,000	8,595,000 225,000 154,000 11,000	4,746,000 843,000 267,000 52,000	7,463,000 528,000 339,000 71,000	7,166,000 459,000 838,000 74,000	7,951,000 640,000 279,000 70,000	10,652,000 764,000 599,000 117,000	9,004,000 667,000 466,000 51,000	8,519,000 693,000 624,000 70,000	8,6%,6% 675,0% 813,0% 69,000
Total (d) .	5,915,000	3,985,000	5,408,000	8,401,000	8,062,000	8,940,000	12,182,000	10,188,000	9,906,000	9,717,00
Exports and con- sumption (b)	8,459,000	7,837,000	8,196,000	9,453,000	10,052,030	9,569,000	10,499,000	11,241,000	11,431,000	(c)
Exporta, mill pur- chases during the year and local (extra factory) con- sumption (b)	7,881,000	7,933,000	6,436,000	9,421,000	9,165,000	9,407,000	12.407,000	11,611,600	10,939,000	(0)

(a) Includes Tripura State from 1925.

(b) The exports as well as mill-purchases and mill consumption are for the year ending June. The mill consumption, mill purchases and the extra-factory consumption (the latter being 500,000 bales for each year) are the trade estimates.

(c) Not yet available.

(d) Excluding Nepal, for which no estimate of area or yield is available. The figures of imports from Nepal are, however, stated below:—

				Bales '				Bales	•			Bales
1920				93,000	1923			. 18,000	1926			40,000
1921		•		75,000	1924		•	. 70,000	1927		•	82,000
1922	•	•	ė	57,000	1925			. 41,000	1928	• .		72,000
				•				1	1929	•		(c)

Note - Figures for 1929 are subject to revision.

No. 10-AREA AND YIELD OF LINSEED IN EACH PROVINCE. Area (acres)

Province	1919-20	1920-21	1921-22	1922-23	1923-24	1924-25	1925-26	1926-27	1927-28	1928-29
Bombay (a) Bengal	130,000 127,000 (230,000	109,000 126,000 121,000	121,000 133,000 283,000	158,000 127,000 282,000	118,000° 122,000 340,000	139,000 121,000 433,000	130,000 134,000 381,000	116,000 136,000 393,000	109,000 118,000 423,000	118,000 132,000 216,000
United Provinces (b)	\$560,000 81,000	476,000 28,000	660,600 37,000	737,000 82,000	690,000 30,000	672,000	702,000 29,000	668,000 26,000	630,000 35,000	550,000 81,000
Punjab	727,000	647,000	701,000	746,000	724,000	731,000 731,000	687,000	644,000	601,000	658,000
and Berar(a) Hyderabad Rajputana (Kotah)	1,025,000 230,000 43,000	455,000 266,000 41,000	793,000 223,000 60,000	1,050,000 191,000 59,000	1,378,000 223,000 99,000	1,180,000 251,000 137,000	1,250,000 178,000 105,000	1,090,000 220,000 88,000	1,017,000 818,000 60,000	1,045,000 269,000 110,000
TOTAL (6) {	2,543,000 560,000	1,793,000 476,000	2,351,000 660,000	2,645,000 737,000	3,034,000 690,009	8,028,000 672,000	2,894,000 702,000	2,663,000 668,000	2,681,000 630,000	2,574 ,000
GRAND TOTAL .	3,103,000	2,269,000	8,011,000	3,382,000	8,724,000	3,695,000	8,596,000	8,831,000	8,811,000	3,124,00

Yield (tons)

Bombay (a) Bengal United Provinces (b) Punjab Bihar and Orissa Central Provinces and Berar (a) Hyderabad Kajputana (Kotah)	13,000 16,000 44,000 105,000 3,000 160,000 71,000 6,000 1,000	6,000 16,000 21,000 84,000 2,000 121,000 16,000 3,000 1,000	12,000 16,000 49,000 113,000 3,000 165,000 67,000 8,000 3,000	11,000 20,000 55,000 143,000 3,000 156,000 126,000 12,000 7,000	- 7,000 17,000 62,000 126,000 8,000 142,000 84,000 10,000 12,000	12,000 19,000 80,000 125,000 3,000 123,000 107,000 16,000	11,000 18,000 59,000 109,000 3,000 103,000 81,000 2,000	9,000 20,000 67,000 114,000 2,000 98,000 61,000 13,000 2,000	13,000 13,000 55,000 82,000 8,000 84,000 80,000 11,000 7,000	15,000 19,000 30,000 76,000 8,000 108,000 58,000 11,000 2,000
TOTAL (1) . {	314,000 105,000	186,000 84,000	323,000 113,000	390,000 143,000	337,000 126,000	376,000 125,000	293,000 109,000	292,000 114,000	266,000 <i>82,000</i>	248,000 76,000
GRAND TOTAL'.	419,000	270,000	436,000	533,000	463,000	501,000	402,000	406,000	848,000	822,000

⁽c) Includes Indian States.
b) The figures in italics represent "mixed" crop, i.e., seed sown in the same fields with other crops. The estimates for the mixed crop of the United Provinces are highly conjectural; hence they have been kept separate.

Note—Figures for 1928-29 are subject to revision.

No. 11-AREA AND YIELD OF RAPE AND MUSTARD IN EACH PROVINCE.

Area (acres)

	•									
trovince	1919-20	1920-21	1921-22	1922-23	1923-24	1924-25	1925-26	1926-27	1927-28	1928-29
Bombay (including Sind and Indian	· ·	:			224 222	200,000	159,000	214,000	172,000	203,000
States) - •	241,000	147,000	354,000	296,000	234,000	399,000	158,000	214,000	,	- •
Bengal	912,000	882,000	893,000	753,000	733,000	737,000	731,000	757,000	740,000	700,000
C	153,000	197,000	155,000	119,000	165,000	143,000	144,000	148,000	171,000	346,000
Inited Provin- }	2,430,000	2,023,000	2,132,000	2,467,000	2,550,000	2,517,000	2,449,000	2,242,000	2,580,000	2,670,000
Punjab	891,000	583,000	1,464,000	1,286,000	1,141,000	1,269,000	752,000	913,000	951,000	1,597,000
Bihar and Orissa (b) !	827,000	775,000	787,000	818,000	805,000	818,000	748,000	733,000	700,000	728,000
Assam	815,00 0	311,000	307,000	315,000	849,000	354,000	358,000	365,000	353,000	360,00
North-West Fron- tier Province	67,000	59,000	193,000	145,000	115,000	135,000	118,000	99,000	121,000	9 8,00
Delhi	7,000	6,000	6,000	6,000	13,000	4,000	5,000	3,000	8,000	35,000
Hyderabad	4,000	2,000	4,000	7,000	7,000	14,000	10,000	7,000	11,000	14,00
Baroda	33,000	16,000	26,000	21,000	13,000	19,000	18,000	21,000	22,000	28,00
Rajputana (Alwar)	15,000	9,000	31,000	26,000	55,000	74,000	54,000	53,000	80,000	99,00
_ (3,465,000	2,987,000	4,222,000	3,792,000	3,630,000	3,966,000	3,097,000	3,304,000	9,327,000	4,208,00
TOTAL (a) {	2,430,000	2,023,000	2,132,000	2,467,000	2,580,000	2,517,000	2,449,000	2,242,000	2,580,000	2,670,00
GRAND TOTAL .	5,893,000	5,010,000	6,354,000	6,259,000	6,180,000	6,483,000	5,546,000	5,546,000	5,907,000	6,878,00

Yield (tons)

		<u> </u>		• .	_					
Bombay (including Sind and Indian States)	21,000	12,000	49,000	44,000	27,000	43,000	16,000	23,000	22,000	15,000
Bengal.	155,000	153,000	148,000	129,000	118,000	122,000	84,000	132,000	116,000	
DenBare	· .					1	•		1	123,000
United Provin-	32,000	34,000	32,000	25,000	34,000	29,000	24,000	28,000	18,000	43,000
ces (a) .	503,000	851,000	444,000	523,000	524,000	505,000	404,000	421,000	278,000	308,000
Punjab	178,000	94,000	234,000	241,000	196,000	209,000	125,000	147,000	150,000	166,000
Bihar and Orissa (b)	182,000	145,000	175,000	162,000	156,000	212,000	162,000	160,000	153,000	178,000
Assam	62,000	56,000	67,000	56,000	66,000	64,000	74,000	72,000	69,000	66,000
North-West Frontier Province .	8,000	8,000	18,000	17,000	11,000	11,000	11,000	9,000	9,000	8,000
Delhi	1,000	· (d)	1,000	1,000	1,000	(n)	(Å)	(d)	1,000	(y)
Hyderabad	(0)	(e)	(e)	(<i>t</i>)	(9)	1,000	(f)	(%)	(d)	(1)
Baroda	8,000	4,000	3,000	4,000	3,000	8,000	2,000	4,000	4,000	2,000
Rajputana (Alwar)	3,000	1,000	€,000	7,000	13,000	21,000	7,000	8,000	20,000	3,000
Total (a) {	650,000 <i>603,00</i> 0	507,000 351,000	723,000 444,000	686,000 <i>523,000</i>	625,000 524,000	715,00 0 <i>505,000</i>	505,000 404,000	523,000 421,000	562,000 278,000	604,000 308,000
GRAND TOTAL .	1,153,000	858,000	1,167,000	1,209,000	1,149,000	1,220,000	909,000	1,004,000	840,000	912,000

 ⁽a) The figures in italics represent "mixed" crop, i.e., seed sown in the same fields with other crops. The estimates for the mixed crop of the United Provinces are highly conjectural; hence they have been kept separate.
 (b) Excluding Feudatory States, estimates for which for 1928-29 are 81,000 acres and 6,000 tons, as against 82,000 acres and 7,000 tons in 1527-28.
 (c) The sudden and abnormal increase is due to an exceptionally large area being put under the crop as the principal crops like wheat could not either be sown or were damaged where sown owing to want of rain.

 (d) 400 tons.
 (e) 100 tons.
 (f) 500 tons.
 (g) 200 tons.
 (h) 300 tons.

 Note—Figures for 1928-29 are subject to revision.

No. 12—AREA AND YIELD OF SESAMUM (Til or Jinjili) IN EACH PROVINCE.

Area (acres)

Province	1919-20	1920-21	1921-22	1922-23	1923-24	1924-25	1 9 25-26	1926-27	1927-28	1928-29
Madras	881,000	753,000	778,000	733,000	696,000	789,000	791,000	682,000	837,000	760,000
Bombay (including Sind and Indian		. •	i							
States)	552,000	673,000	681,000	581,000	595,000	538,000	G14,000	599,000	831,000	591,000
Bengal	210,000	199,000	208,000	156,000	157,000	159,000	153,000	160,000	149,000	153,000
V=:4-4 P: (168,000	276,000	250,000	198,000	202,000	275,000	255,000	186,000	243,000	3 92,000
United Provinces $\{a, a\}$	975,000	875,000	975,000	875,000	920,000	820,000	666,000	750,000	500,000	AU,003
Punjab	110,000	108,000	156,000	158,000	116,000	109,000	125,000	89,000	116,000	128,000
Burma	(c)	(c)	1,034,000	865,000	1,015,000	1,046,000	1,133,000	1,093,000	1,071,000	1,059,000
Bihar and Orissa (b)	192,000	167,000	193,000	192,000	193,000	190,000	190,000	203,000	209,000	207,000
Central Provinces and Berar	499,000	709,000	778,000	566,000	555,000	644,000	433,000	458,000	533,000	605,000
Ajmer-Merwara .	17,000	19,000	15,000	16,000	21,000	24,000	31,000	19,000	19,000	13,000
Hyderabad	538,000	520,000	554,000	530,000	552,000	572,000	521,000	505,000	599,000	650,000
Baroda	73,000	77,000	75,000	76,000	74,000	87,000	78,000	53,000	52,000	63,000
Rajputana (Kotah)	49,000	56,000	54,000	54,000	43,000	40,000	34,000	37,000	45,000	46,000
	3,279,000	3,557,000	4,771,000	4,123,000	4,219,000	4,473,000	4,859,000	4,084,000	4,724,000	4,670,00
TOTAL (a) . }	975,000	875,000	975,000	875,000	920,000	820,000	666,000	750,000	600,000	<i>800,</i> 000
GBAND TOTAL .	4,254,000	4,432,000	5,746,000	4,998,000	5,139,000	5,293,000	5,024,000	4,834,000	5,524,000	5,470,000

Yield (tons)

						_				
Madras	117,000	91,000	92,000	98,000	86,000	105,000	108,000	85,000	107,000	99,000
Bombay (including Sind and Indian		• •								
States)	63,000	52,000	93,000	78,000	57,000	68,000	51,000	69,000	125,000	87,000
Bengal	35,000	34,000	34,000	24,000	25,000	24,000	25,000	27,000	25,000	23,000
United Provinces	17,000	25,000	28,000	18,000	21,000	26,000	25,000	20,000	24,000	31,000
(a).	98,000	78,000	100,000	80,000	91,000	77,000	66,000	80,000	81,000	62,000
Punjab	12,000	10,000	15,000	15,000	9,000	9,000	11,000	8,000	10,000	9,000
Burma	(c)	(c)	(e) ·	50,000	45,000	65,000	45,000	80,000	45,000	40,000
Bihar and Orissa (b)	32,000	21,000	32,000	80,000	31,000	30,000	25,000	25,000	80,000	85,000
Central Provinces and Berar	48,000	53,000	78,000	45,000	46,000	62,000	27,000	38,000	52,000	57,000
Ajmer-Merwara .	1,000	(ď)	1,000	1,000	(e) .	2,000	(d)	1,000	1,000	1,000
Hyderabad	21,000	14,000	37,000	36,000	25,600	87,000	83,000	25,000	36,000	87,000
Baroda	3,000	3,000	5,000	5,000	. 2,000	7,000	4,000	5,000	4,000	5,000
Rajputana (Kotah)	2,000	1,000	3,000	4,000	3,000	3,000	3,000	1,000	3,000	4,000
										
TOTAL (a)	351,000	304,000	418,000	402,000	850,000	436,000	355,000	334,000	462,000	428,000
10177 (0)	98,000	78,000	100,000	80,000	91,000	77,000	66,000	80,000	81,000	62,000
										
GRAND TOTAL -	449,000	382,000	518,000	482,000	441,000	518,900	421,000	414,000	643,000	490,000

⁽a) The figures in italics represent "mixed" crop, i.e., seed sown in the same fields with other crops. The estimates for the mixed crop of the United Provinces are highly conjectural; hence they have been kept separate.

(b) Excluding Feudatory States, estimates for which for 1928-29 are 257,000 acres and 21,000 time, as against 232,000 acres and 15,000 time in 1927-28.

(c) Not available.

⁽d) 200 tons. (e) 500 tons. Note-Figures for 1928-29 are subject to revision.

No. 13-AREA AND YIELD OF CASTOR SEED IN EACH PROVINCE.

Area (acres)

	<u> </u>									
Province.	1919-20	1920-21	1921-22	1922-23	1923-24	1924-25	1925-26	1926-27	1927-28	1928-29
Madras	475,000	391,000	381,000	327,000	339,000	359,000	378,000	365,000	360,000	344,00
Bombay (including Sind and Indian States)	(a)	(8) 81,000	74,000	63,000	60,000	77,000	(d) 77,000	119,000	163,000	€9,00
Inited Provinces (s)	(a)	(a)	(b) 4,000	4,000	7,000	15,000	17,000	10,000	8,000	11,00
libar and Orlssa	40,000	38,000	35,000	38,000	36,000	- 35,000	46,000	44,000	- 47,060	51,0
entral Provinces and Berar	(a)	52,000	- 43,000	- +45,000	- 40,000	52,000	_ 52,000	- 55,000	- 48,00 0	- 56,0
lyderabad	(a)	678,000	1,015,000	793,000	866,000	676,000	673,000	611,000	681,000	659,0
dysore	(a)	(a)	(5) 169,000	(3) 112,000	(8) 117,000	118,000	100,000	116,000	108,000	107,00
Baroda	(a)	(a)	(8) 130,000	(6) 150,000	108,000	78,000	58,000	59,000	75,000	101,00
Superior de la companya de la companya de la companya de la companya de la companya de la companya de la compa			•			- ,		- · -	-	-
TOTAL .	(°) 616,000	(a) 1,240,000	1,790,000	1,512,000	1,873,000	1,410,000	1,401,000	1,899,000	1,460,000	1,428,0
 .	<u> </u>].	Yiel	d (to				<u> </u>	,	
Madras	45,000	39,000	86,000	33,000	30,000	\$8,000	41,000	29,000	- ² 33,000	32,0
	ļ				<u> </u>		. ,			
Bombay (including Sind and Indian States)	(a) -	(a)	´ , (a)	(a) -	(a)	12,000	(d) 10,000	18,000	29,000	17,0
Inited Provinces (e)	(a)	(a) -	(a)	{a}	(a)	(a)	3,000	3,000	3,000	8,0
Bihar and Orissa	6,000	6,000	8,000	6,000	5,000	5,000	6,000	. 6,000	6,000	7,0
		,		;				-		
Central Provinces and Berar	(a)	7,000	6,000	(a)	(a)	(a)	11,000	9,000	11,000	11,00
		Legi, - 	1 1/4%		, ŧ	:				
Hyderabad	(a) -	33,000	94,000	76,000	68,000	55,000	62,000	52,000	43,000	87,0
dysore	(a) _,	(a)	(a)	(a)	(a) ,	7,000	7,000	6,000	6,000	6,0
Baroda	(a)	(a)	(a)	(a)	(a)	7,000	4,000	6,000	7,000	8,00
Total .	(a) 51,000	(¢) 84,000	(c) 142,00)	(a) 117,000	(c) 103,000	(e) 124,000	144,000	120,000	138,000	116,0

⁽a) Not available.

⁽b) Taken from Agricultural Statistics.

⁽c) Incomplete,

⁽d) Excluding Indian States.

⁽a) Reculding Indian States.

(b) Excludes estimates for the mixed crop for which there are no reliable data at present.

Note—(i) An All-India forecast is being prepared for this crop from 1925-26. The figures for the preceding years are taken from the provincial Season and Crop Reports or specially obtained from local authorities.

⁽ii) Figures for 1928-29 are subject to revision.

No. 14-AREA AND YIELD OF GROUNDNUT IN EACH PROVINCE.

Area (acres)

Province	1919-20	1920-21	1921-22	1922-23	1923-24	1924-25	1925-26	1926-27	1927-28	1928-29
Madras	1,144,000	1,600,000	1,459,000	1,754,000	1,807,000	1,904,000	2,599,000	2,680,000	8,337,000	3,679,000
Bombay (including Indian States) .	162,000	224,000	223,000	367,000	400,000	385,000	683,000	813,000	1,064,000	1,321,000
Burma	280,000	303,000	306,000	332,000	390,000	462,000	499,000	5 23,000	540,000	564,000
Hyderabad	(a)	(a)	156,000	180,000	204,000	134,000	190,000	805,000	485,000	650,000
TOTAL .	1,586,000	2,127,000	2,141,000	2,633,000	2,801,000	2,885,000	8,973,000	4,821,000	5,426,000	6,214,000

Yield (tons) of nuts in shell

Madras	\$ 69,000	740,000	678,000	823,000	744,000	948,000	1,264,000	1,207,000	1,671,000	1,830,000
Bombay (including Indian States)	151,000	167,000	177,000	287,000	213,000	361,00 0	549,000	649,000	860,000	1,066,000
Burms	102,000	115,000	95,000	110,000	115,000	165,000	165,000	165,000	145,000	160,000
Hyderabad	(a)	(a)	9,000	16,000	12,000	11,000	21,000	25,000	41,000	63,000
Total .	E22,000	1,022,000	959,000	1,236,000	1,034,000	1,485,000	1,999,000	2,046,000	2,718,000	8,119,000

(a) Not available.

Note-Figures for 1928-29 are subject to revision.

No. 15-AREA AND YIELD OF INDIGO IN EACH PROVINCE.

Area (acres)

Province	1919-20	1920-21	1921-22	1922-23	1923-24	1924-25	1925-26	1926-27	1927-28	1928-29
Madras	101,300	112,100	197,300	141,300	89,400	70,200	77,80C	53,600	32,900	48,600
Sombay and Sind (including Khair- pur State)	7,400	7,300	9,400	11,000	7,700	6,600	3,500	2,700	2,000	1,800
Bengal	11,700	9,700	10,600	7,300	900	100	(a)	(a)	(a)	(a)
United Provinces .	48,800	45,300	44,600	39,100	20,600	12,500	14,800	12,100	7,300	5,700
Punjab	22,000	27,000	33,000	50,300.	36,400	6,400	20,500	23,300	5,800	14,200
Bihar and Oriesa .	57,100	44,400	39,900	35,400	24,800	16,100	18,900	13,100	12,600	. 5,800
TOTAL .	248,300	245,800	834,800	284,400	179,800	111,900	135,300	104,800	60,600	76,10

Yield (cwts) of dye

Madras	23,600	27,800	48,600	32,600	20,800	17,100	19,100	11,100	7,400	10,960
Bombay and Sind (including Khair-				ŀ	1	ŀ				
pur State).	1,200	1,200	1,500	1,900	1,100	1,100	400	400	800	200
Bengal	900	700	500	200	(b)	(b)	(a)	(a)	(a)i	(a)
United Provinces .	4,500	4,300	5,000	4,000	2,200	1,400	1,600	1,400	800	500
Punjab	4,900	4,700	6,300	9,300	6,700	1,000	4,400	4,500	1,000	2,300
Bihar and Orissa	8,200	5,000	5,400	4,100	4,200	1,100	2,700	1,600	1,400	700
Total .	43,300	43,700	67,300	52,100	34,800	21,700	28,200	19,000	10,900	14,600

(a) No cultivation.

(b) Less than 50 cwts.

and Bombay. In the Punjab the rate varies widely from district to district. In Bihar, no deduction is made as (ii) Figures for 1928-29 are subject to revision.

No. 16-AREA AND YIELD OF COFFEE IN EACH PROVINCE.

Area (acres)

Province		1919-20	1920-21	1921-22	1922-23	1923-24	1924-25	192 5-2 6	1926-27	1927-28	1928-29
Madras .		25,100	25,200	25,700	27,500	33,500	34,200	· 85,4 00	37,200	37,900	
Coorg .		33,000	89,200	31,900	31,600	31,600	82,500	34,800	35,100	35,200	
Mysore .		55,300	63,700	64,200	68,200	69,600	72,800	75,500	76,300	79,800	•••
Travancore		900	900	1,000	900	900	900	900	800	800	•••
Cochin .		2,100	2,200	2,200	2,200	2,400	2,400	2,300	2,200	2,200	•••
Total		118,400	,124,200	125,000	130,400	138,000	142,800	148,900	151,600	155,800	
				Yield	(lbs)	of cur	ed coff	fee		<u>'</u>	
Madras	•	4,565,200	4,945,600	5,163,100	7,642,400	3,598,400	9,669,800	4,525,700	6,915,000	11,533,200	
Coorg	٠	7,018,300	7,190,500	5,462,900	7,577,300	5,209,200	8,487,600	4,870,400	10,602,300	7,583,700	•••
llysore		9,351,800	9,841,100	9,543,700	9,835,700	9,971,200	11,731,600	12,537,700	16,201,900	15,537,500+	
[ravancore	•	159,600	193,000	42,400	182,\ 00	130,100	172,700	79,600	205,300	351,700	•••
Cochin	•	230,100	283,500	275,800	271,900	2 36 ,5 00	414.400	93,300	357,500	276.400	•••
							1				

• Figures not yet available. † Revised.

Note—The figures in this table generally exclude statistics for small estates having less than 10 acres under coffee.

No. 17-AREA AND YIELD OF RUBBER IN EACH PROVINCE.

Area (acres)

Province	, 	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928
M adrae	•	16,800	13,000	11,400	10,500	11,400	11,200	12,500	14,20	0 14,80	0 15,40
Bengal	•	100	100	(a)	•••						
Borms	?	48,700	56,200	58,600	61,900	63,100	64,900	66,000	69,200	1	o 87,80
Assam	•	3,100	3,100	3,100	(a)						
Coorg		2,700	2,600	2,400	2,400	2,400	2,400	2,800	2,800	ł	3,00
Mysore .	•	700	003	800	1,000	700	700	800	700	_,)
Travancore		37,700	89,500	39,600	41,300	41,600	41,800	41,600	43,600	1	
Cochin		8,700	8,900	8,800	8,800	8,800	8,900	8,900	9,000	1	1
TOTAL	•	118,500	124,200	124,700	125,900	128,000	129,400	132,600	139,500	152,300	167,000
· · · · · ·		<u> </u>				Yield	(lbs)				
Madras .	•	1,715,500	1,667,900	467,200	1,172,500	1,434,300	1,894,900	2,165,800	2,540,300	2,623,800	2,901,300
Sen gal	•	600	(8)	•••				***	•••		
aurne	٠	4,268,400	4,762,900	8,639,700	4,261,400	4,998,400	6,124,500	7,776,800	9,589,300	11,360,000	10,892,400
in marel	•	(8)	(b)	(8)					***		
corg	•	169,600	204,000	53,600	171,000	303,700	302,400	368,900	434,700	460,000	472,800
, oorg		8,000	19,900	14,300	9,500	11,000	10,100	21,000	24,500	7,800]
_	•		5,556,900	4,290,800	4,831,500	6,054,300	5,765,600	7,785,100	8,456,600	,	9,600 10,144,500
ilysore .		5,832,500	0,000,000			1		- I	, -,	1,002,000	10,144,000
lysore .		5,832,500 1,620,400	1,577,300	590,800	1,467,000	1,660,800	1,503,800	1,857,600	1,958,800	2,209,700	2,415,700

(b) No area was tapped during the year, hence there was no production.

Note—Figures for 1928 are subject to revision.

No. 18-SUPPLEMENTARY TABLE—AREA AND YIELD OF BARLEY, JOWAR, BAJRA, MAIZE, GRAM AND TOBACCO IN EACH PROVINCE.

Barley

Province										AREA (A	ACRES)				
Maintes	Pr	ovince				1019-90	1920-81	1921-22	1922-23	1923-24	1924-35	1925-26	1926-27	1927-29	1928-99
Booksy (Including Sind) 19,000 37,000 44,000 14,000 18,000 28,000 45						<u> </u>			9 000	* 000	9.000	4 000			
Bragal	Kadras			•	•	3,000	3,000	3,000	3,000	0,000) 	•,•••	8,000	3,000	8,00
Table Provinces	Bombay (including Sind) .			•	•	58,000	87,000	44 ,000.	41,000	84,000	36,000	28,000	85,000	43,000	86,000
Paugla 1,000,000 1,118,000 1,118,000 1,118,000 1,241,0	Bengal		٠.	•	•	93,000	96,000	63,000	83,000	82,000	79,000	98,000	75,000	66,000	82,000
Hibar and Origina 1,34,000 1,321,000 1,421,00	United Provinces	• •				4,378,000	3,869,000	4,304,600	4,286,000	4,226,000	4,278,000	4,059,000	3,929,000	4,282 ,000	4,383,00
Contrail Provinces and Berar(6) 15,000 8,000 13,000 18,000 13,000 14,000 13,000 14,000 13,000 14,000 13,000 14,0	Fanjab		·	•.		1,204,060	631,000	1,112,000	1,173,000	1,246,000	936,000	804,000	767,000	835,000	1,340, 00
North-West Province Province	Bihar and Orissa					1,354,000	1,322,000	1,373,000	1,406,000	1,291,000	3,331,000	1,323,000	1,284,000	1,293,000	1,204,00
Ajmar-Merwara	Santral Provinces and Berar(b)					16,000	8,000	12,000	18,000	16,000	22,000	17,000	13,000	14,000	17,00
Apper-Mirwara	North-West Frontier Province					269,000	178,000	\$98,000	370,000	158,000	161,000	182,000	157,000	165,000	232,00
Telli 1,000 13,000 10,000 10,000 17,000 20,000 18,0								•	67 mgg						6 5,00
Higherabad . (a) (a) (b) (c) (c) (c) (c) (a) (c) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	• •	• • •		•	·	•		-		1	· *	'	'		43,0
TOTAL 7,419,000 6,303,000 7,308,000 7,309,000 7,126,000 4,508,000 6,573,000 6,311,000 6,773,000 7,46 **TIELD (TONS)** **INGRAM *** **(a) (a) (a) (a) (a) (a) (a) (a) (a) (a)	•														15,0
TOTAL 7,419,000 6,203,000 7,303,000 7,303,000 7,126,000 4,508,000 6,573,000 6,311,000 6,773,000 7,46 TIELD (TONS) Sendary (including Sind) 19,000 9,000 14,000 14,000 10,000 13,000 11,000 15,000 6 Sengal 28,000 29,000 25,000 24,000 33,000 21,000 12,000 15,000 16,000 26 Sengal 38,000 10,000 1,773,000 1,000 11,000 15,000 16,000						'			•]			}		
Second Color Col		٠	т			f			1 1				1 - 1 - 1		7,499,
Ladras		-	***				,			YIELD (T	ONS)	<u> </u>			
	•				_				1	1		• • :			
Pengal	Indras		• •	•	•	(a)	(a)	(a)	~ (a)	. (a)	(a) -	(a)	(a)	(a)	(a)
Parisal	Bombay (including Sind)			•	•	19,000	9,000	14,000	14,000	10,00	12,000	10,000	11,000	15,000	8,0
Punjab	Bengal	• •	٠, ,	•	•	28,000	29,000	25,000		23,000	22,000	22,000	23,000	18,000	28,0
Finish	United Provinces				-	2,116,000	1,772,000	2,052,000	2,091,000	1,919,000	1,751,000	1,733,000	1,699,000	1,806,000	1,608,0
Central Frowinces and Berar	Punjab				•	378,000	103,000	297,000	365,000	410,000	253,000	218,000		217,000	267,00
Central Frovinces and Berar	Fihar and Orissa	•. • •			•	534,000	522,000	613,000	\$00,000	505,000	531,000	513,000	507,000	460,000	490,00
North-West Frontier Province													,		
North-West Frontier Province	Central Provinces and Berar				•	4,000	1,000	. 8,000	5,000	4,000	6,000	6,000	8,000	2,000	3,0
Bimer-Merwara						<u> </u>									
# imer-hierwaia	North-West Frontier Province			•	•	110,000	58,000	104,000	94,000	44,000	47,000	63,000	56,000	I	85,0
[solation of the state of the s	imec-Merwaia			_		71.000	17 606	16 000	: 10 000		. 10 000		,		
## ## ## ## ## ## ## ## ## ## ## ## ##			. •	•	•	11,000	11,000		10,000	14,000	: 10,000	18,000	17,000	19,000	15,0
(a) (a) (a) (a) (a) (a) (a)	Pelki	• • •		٠	•	5 ,000	4,000	I	8,000	9,000	6,000	6,000	6,000	6,000	15,0
	iydermond			•	•	(4)	(a)		(a)	(a)	(a)	i .	(a)	(4)	(a)
	•				!			ļ .		"	, ,		. (4)		'"
Total (c) . 3,205,000 2,500,000 8,128,000 2,937,000 2,844,000 2,844,000 2,581,000 2,004,000 2,551,000	· ·											<u> </u>			

(a) Not available.

(b) Figures taken from Agricultural Statistics.

(c) Incomplete:

authorities.

(c) Incomplete:

authorities.

No. 18-SUPPLEMENTARY TABLE-AREA AND YIELD OF BARLEY, JOWAR, BAJRA, MAIZE, GRAM AND TOBACCO IN EACH PROVINCE—contd.

Jowar

	•	Jowe	<i>xr</i>							
	<u> </u>				REA (AC	BES)				
Province	1919-20	1920-21	1921-22	1922-29	1923-24	1924-25	1925-26	1926-27	1927-38	1928-19
Madras	5,498,000	5,222,000	5,573,000	5,255,900	4,647,000	4,944,000	4,546,000	4,692,000	4,830,000	4,615,000
Bombay tineluding Sind)	8,408,000	8,810,000	8,615,000	9,720,000	7,902,000	9,197,000	8,315,000	8,036,000	7,822,000	7,772,000
Bengal	4,000	4,000	4,000	4,000	5,000	8,000	5,000	4,000	4,000	4,000
United Provinces	2,830,000	3,313,000	2,684,000	3,270,000	2,479,000	2,047,000	1,990,000	2,301,000	3,448,000	2,264,000
Punjab	1,020,000	₩22,000	1,214,000	961,000	985,000	1,054,000	928,000	983,000	1,025,000	949,000
Burma	592,000	700,000	842,000	868,000	757,000	756,000	701,000	465,000	868,000	491,000
Bihar and Orisea	88,000	76,000	. 84,000	74,000	70,000	59,000	72,000	67,000	72,000	79,000
Central Provinces and Berar	4,365,000	4,492,000	6,984,000	4,526,000	4,078,000	4,162,000	8,840,000	6,159,000	4,273,000	4,169,000
North-West Frontier Province	78,000	58,000	108,000	60,000	77,000	78,000	81,000	\$3,000	68,000	68,000
Ajmer-Merwara	39,000	42,000	43,000	47,000	69,000	66,000	38,000	59,000	63,000	69,000
Delhi	58,000	23,000	81,000	26,000	83,000	40,000	30,000	86,000	43,000	82,000
Hyderabad	11,040,000	9,372,000	9,878,000	8,755,000	9, 351,000	9,048,000	9,044,000	8,209,000	8,704,000	9,158,000
Total .	83,497,000	82,034,000	34,060,00 6	31,556,000	30,456,000	31,450,000	29, 585,000	29,264,000	20,923,000	29,665,000
				YIEL	D (TONS)	-	<u>_</u>	<u>'</u>	<u>'</u>	'
	1,500,000	1,420,000	1, 524,000	1 439,000	1 971 000	1,405,000	1 202 000	1 211 000	1,339,000	1,363,000
Madras		a is signed	1					• [
Bombay (including Sind).	1,994,000	1,210,000		1,691,000			1,566,000	1,473,000	•	1,750,000
Bengal	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
United Provinces	562,000	351,000	647,000	486,000	598,000	411,000	400,000	524,000	557,000	334,000
Panjab	200,000	105,000	171,000	118,000	132,000	115,000	100,000	107,000	.128,000	90,000
Burma	71,000	88,000	124,000	120,000	91,000	68,000	44,000	79,000	68,000	60,000
Bihar and Orises	27,000	97,000	84,000	18,000	19,000	11,000	22,000	17,000	18,000	21,000
Central Provinces and Berar	1,243,000	501,000	1,444,000	1,211,000	1,000,000	957,000	763,000	888,000	994,000	1,109,000
North-West Frontier Province	14,000	10,000	15,000	10,000	14,000	10,000	10,000	7,000	9,000	8,000
Ajmer-Merwara	8,000	1,000	2,000	8,000	2,000	5,000	1,000	4,000	4,000	8,000
Dolhi	8,000	4,000 {	5,000	8,000	5,000	5,000	4,000	6,000	9,000	8,000
Undershad	(a)	 (a)	778 , 000	1,056.000	936,000	998,000 1	1112 000	,0 34,000 1	458 000	410,000
Hyderabad		/	.,,,,,,,	-1-201000		\$40,000 I	ا ۱۳۷۷ومددود	,003,000 1	,=30,000 1	1,000,016,1
		<u> </u>		<u></u>]						
Total .	5,632,000	(ð) 3,718,000	6,480,000	6,157,000	5, 31 2, 000	5,621,000	5,315,000	5,851,000	1,409,000 (3,163,000
	<u>'</u>								1_	

⁽a) Not available.

Excluding Indian States, estimates for which for 1928-29 are 2,245,000 acres and 600,000 tons, as against 2,040,000 acres and 559,000 tons in 1927-28.

Note—No forecast is prepared for this crop except by Bombay and the Hyderahad State. The figures are taken from the provincial Season and Crop Reports or specially obtained from local authorities.

No. 18-SUPPLEMENTARY TABLE-AREA AND YIELD OF BARLEY, JOWAR, BAJRA, MAIZE, GRAM AND TOBACCO IN EACH PROVINCE—contd.

Bajra -----

				_	ARI	A (ACRES	3)			·	
Province		1919-20	1930-31	1921-22	1922-28	1928-24	1924-25	1925-26	1926-27	1927-18	1928-39
Madras	•	8,265,000	3,013,000	3,107,000	3,076,000	3,645,000	8,047,000	3,074,000	8,080,000	3, 276,000	8,067,00
Bombay (including Sind)		8,481,000	8,764,000	5,113,000	4,944,000	5,363,000	4,105,000	4,651,000	5,736,000	5,728,000	5,024,000
Bengal		8,000	3,000	8,000	8,000	2,000	2,000	2,000	3,000	2,000	2,000
United Provinces		3,695,000	2,385,000	2,662,000	3,347,000	1,883,000	1,780,000	1,874,000	1,909,000	1,921,000	1,978,000
Punjab	•	2,675,000	3,422,000	8,323, 000	8,119,000	2,6 50,000	2,585,000	000,688,\$	3,692,000	*,7 18 ,000	2,480,000
Bihar and Orises		68,000	63,000	70,000	54,000	68,000	69,000	68,000	67,000	68,000	75,000
Central Provinces and Beray(e) ,	•	141,000	138,000	174,000	146,000	151,000	137,000	114,000	110,000	121,000	124,000
North-West Frontier Province	•	169,000	129,000	\$62,000	143,000	180,000	153,000	186,000	121,000	149,000	31,000
Ajmer-Merwara		17,000	19,000	18,000	22,000	81,000	28,000	14,000	26,000	80,000	25,000
Delhi		61,000	56,000	65,000	63,000	51,000	60, 000	41,000	46,000	52,000	52,000
Hyderabad		(a)	(a)	(a) ,	(a)	(a)	(a)	(a)	(a)	(a)	2,502,000
Тотал		(d) 14,663,000	11,991,000 (4);	(ď) 15,888,000	(d) 18,919,000	(ď) 13,674,000	(<i>d</i>) 11,964,000	(4) 13,357,000	[4] 13,769,000	(d) 14,602,000	15,455,000
•				¥	IELD (TO	NB)		-			
Madras		850,000	B14,00 0	825,000	816,000	632,000	883,000	819,000	763,000	836,000	B39,000
Bombay (including Sind)*		818,000	497,000	758,000	613,000	619,000	609,000	543,000	791,000	760,000	707,000
Bengal		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
United Provinces	•	629,0001	895,000	656,00 0	461,000	458,000	830,000	271,000	445,000	401,000	268,000
Penjab		446,000	199,000	891,000	424,000	898,000	862,000	3 78 ,00 0	868,000	338,000	247,000
Bihar and Orisea		28,000	23,000	28,000	10,000	12,000	22,00)	25,000	25,000	30,000	27,000
Central Provinces and Berar		41,000	15,000	80,000	44,000	87,000	\$3,000	23,000	24,000	27 ₈ 000	83,000
No-th-West Frontier Province		20,000	15,000	26,000	86,000	28,000	20,000	18,000	15,000	14,000	12,000
Ajmer-Merwara		3,000	1,000	1,000	1,000	1,000	2,000	(b)	2,000	8,000	2,000
Delbi	•	12,000	9,000	6,000	12,000	6,000	6,000	6,000	6,000	10,000	12,000
H)derabad		(a)	(a)	(a)	(a)	(a)	(a)	(4)	(a)	(a)	(a)
Total(d	· .	2,842,000	1,969,000	2,640,000	3, 420,000	2,199,000	2,218,000	1,982,000	2,455,000	2,415,000	2,136,000
(a) Not available. (b) About 5	00 ton	e,	(0) Fi	gures take	n from A	grienltur	al Statisti	ion.	(4)	Incomple	<u> </u>

⁽a) Not available. (b) About 500 tons. (c) Figures taken from Agricultural Statistics. (d) Incomplete.

**Excluding Indian States, estimates for which for 1928-29 are 1,510,000 acres and 400,000 tons, as against 978,000 acres and 220,000 tons in

Note—No forecast is prepared for this crop except by Bembay. The figures are taken from the provincial Season and Crop Reports or specially chained from local authorities.

No. 18—SUPPLEMENTARY TABLE—AREA AND YIELD OF BARLEY, JOWAR, BAJRA, MAIZE, GRAM AND TOBACCO IN EACH PROVINCE—contd.

Maize

				AI	REA (ACRES	3)				
Province	1919-20	1920-21	1921-22	1922-23	1923-24	1924-25	1925-26	1926-27	1927-28	1928-29
Madras	107,000	122,000	104,000	127,000	189,000	148,000	138,000	111,000	163,000	119,000
Bombay (including Stud)	228,000	229,000	218,000	213,000	208,000	198,000	204,000	208,000	188,000	189,000
Bengal ,	88,000	84,000	90,000	78,000	82,000	79,000	78,000	77,000	78,000	94,000
United Provinces	2,430,000	8,094,000	2,075,000	1,873,000	1,835,000	1,550,000	1,612,000	1,679,000	1,862,000	2,004,000
Paujab	1,156,000	1,063,000	1,112,000	1,123,000	1,050,000	, 922,000	931,000	975,000	1,085,000	1,048,000
Burma	158,000	171,000	211,000	194,000	18 6,000	191,000	199,000	194,000	194,000	198,000
Bihar and Oriesa	1,778,000	1,764,000	1,800,000	1,639,000	1,680,000	1,574,000	1,666,000	1,618,000	1,648,000	1,625,000
Central Provinces and Berar(b)	. 161,000	157,000	162,000	160,000	155,000	146,000	139,000	141,000	152,000	154,000
Азнаш (5)	1,000	1,000	1,000	1,000	-PG	***	***		•••	
North-West Frontier Province	454,000	418,000	462,000	450,000	438,000	429,000	435,000	437,000	482,000	463,000
Ajmer-Merwara	50,000	67,000	57,000	57,000	69,000	73,000	45,000	80,000	65,000	89,000
Delhi	4,000	4,000	8,000	2,000	3,000	2,000	2,000	2,000	8,000	2,000
Hyderabad	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	811,000
Тотац .	6,620,00 0	(o) 6,164,000	8,200,000	(c)1 5,916,000	(c) 5,824,000	5,312,000	6,439,000	(e) 5,519,000	5,930,000	6,796,000
			•	10.	YIELD (TO	(8)				
	٠.,					_	 -			
Madras	39,000	61,000	52,000	64,000	63,000	71,000	67,000	89,000	. 67,000	58,000
Bombay (including Sind)	101,000	67,000	65,000	97,000	94,000	87,000	78,000	83,000	63,000	81,000
		, .						-		
Bengai	31,000	18,000	80,000	24,000	25,000	25,000	25,000	27,000	27,000	31,000
United Provinces	1,014,000	629,000	815,000	599,000	768,000	538,000	554,000	660,000	777,000	689,000
Punjab	496,000	346,000	\$80,000	\$ 01,000	389,000	836,000	811,000	846,000	435,000	847,000
Burms	28,000	81,000	40,000	34,000	25,000	39,000	87,900	87,000	88,000	89,000
Bihar and Orissa	620,000	638,000	727,000	849,000	487,000	260,000	400,000	439,000	514,000	417,000
Central Provinces and Berar	115,000	112,000	116,000	114,000	111,000	104,000	99,000	101,000	108,000	110,000
Assam	(a)	(u)	(a)	(a)	***	***	444		186	***
	123,000	182,000	217,000	220,000	\$26,000	218,000	200,600	171,000	226,000	172,000
North-West Frontier Province			. !	1	i 1				l	***
North-West Frontier Province	18,000	11,000	15,000	11,000	11,000	15,000	6,000	16,000	10,000	18,000
Alman Warmana	18,000	11,000	15,000 1,000	11,000 (d)	11,000	1,000	(d)	16,000 (a)	1,000	1,000
Ajmor-Merwara] [_ [-

(a) Not available.

Note—No forecast is prepared for this crop.

Solution authorities.

(b) Figures taken from Agricultural Statistics.

The figures are taken from the provincial Season and Crop Reports or specially obtained from local

No. 18-SUPPLEMENTARY TABLE-AREA AND YIELD OF BARLEY, JOWAR, BAJRA, MAIZE, GRAM AND TOBACCO IN EACH PROVINCE-contd.

Gram

- <u>-</u>				A	REA (ACRE	8)			,	
Province	1919-20	1920-21	1921-23	1922-23	1925-24	1924-95	1924-26	1926-37	1927-28	1929-19
Madras	117,000	94,000	113,000	127,000	106,000	109,000	119,000	60,000	76,000	74,000
Bombay (including Sind)	669,000	477,000	663,000	788,000	625,000	741,000	586,000	675,000	740,000	774,000
Bengal	147,000	161,000	143,000	141,000	130,000	130,000	186,000	126,000	000,12	143,000
United Provinces	4,947,000	8,961,000	e,058,000	7,131,000	6,356,000	6,817,000	6,641,000	6,012,000	5,9 31,000	5,424,000
Punjab	4,125,000	3,229,000	5,147,000	5,428,000	4,202,000	5,697,000	8,710,000	4,685,000	4,089,000	4,100,000
Borma	83,000	62,000	119,000	162,000	67,000	90,000	119,000	200,000	238,000	83,000
Bibar and Orises	3,515,000	1,408,000	1,481,000	1,541,000	1,427,000	1,433,000	1,411,000	1,431,000	1,327,000	1,288,000
Central Provinces and Berar	(5) 748,000	(b) 647,000	(8) 6 37 . 000	(8) 770,000	(c) 1,188,000	(e) 1, 120,000	(e)1,27 7 ,000	(0)1,140,000	(a)1,104,000	1,306,000
North-West Frontier Province	240,000	144,000	369,000	221,000	228,000	327,000	228,000	207,000	233,000	100,000
Ajmer-Yerwara	(e) \$1,000	9,000	15,000	10,000	13,000	10,000	. 17,000	8,000	86,000	am,13
Coorg	(s)	2,000	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Delhi	30,000	11,000	97,000	85,000	F4,000	98,000	56,000	52,000	£5,000	15,000
Hyderabad	(a)	(a)	(a)	(e)	(a)	(a)	(a)	(4)	(a)	853,000
Total .	(d) 13,441,000	(<i>d</i>) 9,206,000	(d) 14,743,000	(d) 16,395,000	(<i>d</i>) 14,897,000	(d) 16,473,000	(d) 14,300,000	(d) 14,589,000	(d) 13,920,000	14,887,0%
		,			MELD (1	(ako)				•
Madrae	21,000	19,000	12,000	25,000	34,000	34,000	26,000	8,000	15,000	16,000
Bombay (including Sind)	- 116,000	53,000	314,000	139,000	90,000	132,000	97,000	107,000	138,000	115,000
Bengal	42,000	44,000	32,000	34,000	29,000	84,000	82,000	84,000	18,000	42,000
United Provinces	1,644,000	1,180,000	3,114,000	2,543,000	2,807,000	1,967,000	2,070,000	1,772,000	1,501,000	1,065,000
Punjab	1,009,000	861,000	1,143,000	1,510,000	1,116,000	1,149,000	780,000	1,199,000	858,000	726,000
Burma	16,000	13,000	24,000	23,000	18,000	18,000	24,000	40,000	48,000	19,00
Bihar and Orises	598,000	558,900	849,000	67 0,000	541,000	509,000	829,000	561,000	430,000	442,000
Central Provinces and Berar	209,000	129,000	193,000	220,000	282,000	274,000	285,000	225,000	178,000	158,000
North-West Frontier Province .	40,000	17,000	46,000	13,000	42,000	81,000	40,000	23,000	27,000	17,000
Ajmer-Merwara	(a)	1,010	1,000	1,000	1,000	1,000	8,000	(4)	5,000	7,000
Coorg ,	(a)	(0)	(•)	(0)	(e)	(4)	(0)	(4)	(*)	(0)
Delbi	6,000	2,000	19,000	19,000	10,000	25,000	7,000	11,000	11,000	4,000
	ſ	l		l .	{	1	1	}		
Hyderabad	(a)	(a)	' (a)	(a)	(a)	(a)	(a)·	(a)	(a)	(a)

⁽a) Not available. (b) Excludes gram sown with other crops. (c) Figures taken from Agricultural Statistics. (d) Incomplete.

Note—No forecast is prepared for this crop. The figures are taken from the provincial Season and Crop Reports or specially obtained from local authorities.

No. 18-SUPPLEMENTARY TABLE-AREA AND YIELD OF BARLEY, JOWAR, BAJRA, MAIZE, GRAM AND TOBACCO IN EACH PROVINCE—concld.

Tobacco

		AREA (ACRES)											
Province	1919-20	1920-21	1921-22	1922-23	1923-24	1924-25	1925-26	1926-27	1927-28	1928-29			
fadras	228,000	201,000	203,000	214,000	220,000	265,000	244,000	232,000	276,000	255,000			
Sombay (including Sind)	107,000	115,000	120,000	102,000	105,000	122,000	122,000	109,000	124,000	153,000			
Bengal	342,000	258,000	298,000	299,000	288,000	280,000	293,000	295,000	290,000	291,000			
Inited Provinces	82,000	65,000	89,000	89,000	72,000	73,000	79,000	75,000	72,000	81,000			
onjab	54,000	40,000	90,000	56,000	62,000	54,000	71,000	62,000	73,000	64,000			
Burma	126,000	101,000	86,000	111,000	119,000	119,000	86,000	101,000	118,000	114,000			
Sibar and Orissa • • • • • •	120,000	117,000	118,000	119,000	117,000	113,000	132,000	137,000	147,000	146,00			
entral Provinces and Berar(b) .	23,000	16,000	24,000	24,000	20,000	18,000	17,000	17,000	19,000	18,00			
assam	10,000	10,000	11,000	9,000	9,000	9,000	9,000	10,000	10,000	10,000			
North-West Frontier Province	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	11,000			
Delhi	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	(c)			
Iyderabad	116,000	135,000	201,000	201,000	159,000	140,000	155,000	116,000	105,000	99,000			
fysore	20,000	23,000	22,000	24,000	26,000	27,000	31,0 00	26,000	18,000	26,00			
Baroda	24,000	28,000	31,000	34.000	28,000	80,000	27,000	27,000	22,000	40,000			
Total .	(d) 1,253,000	1,110,000	(d) 1,294,000	(d) 1,283,000	(d) 1,22 6,0 00	(d) 1,251,000	(d) 1,267,000	(d) 1,208,000	(d) 1,275,000	1,308,000			

YIELD (TONS)

	_											
Madras		•	107,000	103,000	108,000	108,000	113,000	140,000	125,000	113,000	147,000	134,000
Bombay (including Sind)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	120,000	123,000
Bengal		٠	(a)	(a)	(a)	(a)	(a)	(a)	89,000	91,000	120,000	122,000
United Provinces .			(a)	(a)	(a) ·	(a)	(a)	(a)	(a)	47,000	45,000	49,000
Punjab		•	(a)	. (a)	(a)	(c)	(a)	(a)	(a)	24,000	26,000	24,000
Burma .			58,000	46,000	89,000	51,000	54,000	54,000	89,000	45,000	52,000	51,000
Bihar and Orissa	٠, .		60,000	59,000	60,000	60,000	48,000	47,000	57,000	60,000	65,000	65,000
Central Provinces and Be	rar .	. •	(a)	(a) ,	(a)	(a)	(a)	(a)	(a)	(a)	5,000	4,000
Assam		•	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	2,000	8,000
North-West Frontier Pro	vince	•	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Delhi		•	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	1,000	(e)
Hyderabad		•	(a)	(a)	(a)	(a)	(a)	(a)	(a)	10,000	12,000	12,000
Mysore		•	(a)	(a)	· (a)	(a)	(a)	(a)	(a)	3,000	2,000	5,000
Baroda		•	(a)	(a)	(a)	(a)	(a)	(a)	(a)	6,000	5,000	7,000
Ton	ral(d)	•			•••	•••				399,000	602,000	599,000
	·					<u> </u>						

⁽a) Not available. (b) Figures taken from Agricultural Statistics. (c) 300 acres. (d) Incomplete. (e) 300 tons.

Note—No forecast is prepared for this crop. The figures are taken from the Agricultural Statistics, provincial Season and Crop Reports or specially obtained from local authorities.

No. 19—NORMAL AND ACTUAL RAINFALL (IN INCHES) IN EACH PROVINCE AND METEOROLOGICAL SUB-DIVISION IN INDIA.

Provinces and	Normal												
Sub-divisions	rainfall	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	rainfall from normal	variation from normal
ladras—	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inohes	Inches	Inohes	Inches	Inches	Per cer
Malabar .	100-1	112.3	122-5	89-0	122.0	120.0	142-9	110.0	103-1	102.4	88-1	—12·0	ļ ,
Madras, South-east	35.6	41.5	46.5	38.1	41.2	83.9	32.5	39-9	30-1	30.0	37.6	+2.0	_
Madras Deccan	24.8	28.7	17-0	25.4	20.2	16.7	22.4	26-9	20.5	24.7	24.1	-0.7	+
Madras Coast, North	41.2	48·9	31.8	41.5	38.1	42.8	45 6	52.7	36.1	43.7	43.7	+2.5] -
ombay-							100					''	+
Gujarat .	32.4	34.2	26-2	41.1	28.7	18.4	29-1	22.1	45.7	49-6	31·4	-10	
Konkan	108•5	109-6	77-0	108.7	107.6	112.3	98.5	93.5	121.7	107-9	120 1		ļ -
Bombay Deccan	30.9	33.6	22.9	27:3	28.5	25.5	27.9	25.3	28.0	83.0	. 31-1	+11.6	+
Sind .	6.7	7.1	2.1	7.2	1.4	4.2	6.9	2.9	9.7	9.6	2.0	+0.2	'
		'		• • •	**	-2		~~	"	•	20	-1.7	-
engal	74.5	74.3	76· 4	76.3	78·1	65·6	79-9	73.5	79-8	65-0	79-9	+5.3	٦
nited Provinces-								١.			•]	
East	39.3	40.9	31.7	41.9	51.6	42.2	43.8	43.7	39.6	89-1	30.4	-8.9	_
	37-3		00.0										
West	373	39.6	29.6	46.0	46.3	39.9	47.3	41-9	38.7	42.9	29-1	—8.2	-
unjab—								_					
East and North	23.3	24.9	15∙8	18.3	22.3	26.5	26.3	24.4	26.8	20-4	18.2	-4.8	
South-west	10· 0	10.2	6.8	12.3	7.9	12.2	11.8	6.3	11.5	5.7	9.4	-0. 6	-
Borma —	_			1				}		İ		<u> </u>	
Lower Burma	126.5	140-4	135-0	131.3	135.0	146-8	136.2	130.4	131.7	125.3	130-1	+3.6	-
Upper Burma	46.9	41.7	36.4	46.1	43.4	49.4	46.4	43.6	57.6	52.2	53.6	+6.7	+
Bihar and Orissa—					<i>,</i> `	·]]	j		ļ	
Orissa		67.0	60-0	54.0	57.8	510	50-0	75.8	61.2	54.5	65.4	+6.8	+1
Chota Nagpur .	. 52.4	65•2	56·2	48.4	67:0	57.6	52·7	61.9	58.7	50.2	51.6	-0.8	-
Bihar	48.7	51·3	44.7	51.0	59.2	37·1	56.4	46-3	43.7	40.4	48.3	-0.4	-
Central Provinces and Berar-		:				. ,				Ì	•		!
Bersr	33.5	31.3	16-0	32.0	34.9	29.2		05.0	30.7	500	04.7		١.,
Central Provinces.		020		""	24.8	29.2	31-1	25.6	307	. 33.9	34.2	+10	
West	46.6	61.9	32-9	39.6	44.9	52· 4	46.5	43.3	570	45.8	. 46.1	— 0·5	-
Central Provinces, East	53-9	72.7	87.4	49-9	40.0	.					4		
Assam	99-9	88.8			49.8	50.9	47.9	58.3	58.9	57•7	45-7	-82	_
North-West Frontier	1	000	97.4	111.1	85.4	98.5	99-2	99.6	98.5	111:2	. 102.8	+2.8	·
Province	15.5	18-4	10.8	15.0	14.8	18.3	17.1	15.2	20.1	11.8	15.3	0.2	-
Hyderabad—			1		i		i						
North	34.3	30-4	16.2	29.9	32.5	28.9	28.8	29.8	30-1	31.8	37.3	+3.0	
South	30.7	34.2	19-1	27.2	25.1	24.4	29.6	33-8	28.0	84.6	33.5	+2.8	
Mysore .	36.1	39-1	28.9	36.3	34.6	36-1	40.8	86.3	34.5	31.7	85.8	-0.8	
Central India-	04.0	40.0					<u> </u>						
East .	34·8 42·3		27.0	31.1	35-3	42.6	39.8	27.7	87.4	34.4	32.5	-2.3	
Rajputana-	1 42.3	56∙5	26.0	38-2	44.7	45.3	49.3	48.7	55-4	41.2	32.9	—9·4	-
Wash													
Eust	12.5		10.2	9.2	10.4	11.8	13.0	7.8	19.3	14.7	11.8	-0.7	
Esst	25.7	31.6	21.4	21.4	25.9	28.0	38.5	19.2	91.9	26.7	22.3	-3.4	-

No. 20—COMPARATIVE STATEMENT SHOWING REPORTED AREA AND YIELD OF CERTAIN PRINCIPAL CROPS IN FOREIGN COUNTRIES FROM 1918 TO 1927.

Rice

	AREA (ACBES)												
Countries	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927			
Argentine	26,000	17,000	26,000	27,000	16,000	9,000	14,000	13,000	10,000	11,000			
Bulgaria	10,000	4,000	6,000	7,000	7,000	8,000	12,000	16,000	17,000	12,000			
Egypt	385,000	150,000	165,000	324,000	50,000	186,000	255,000	143,000	237,600	(c) 872,000			
Formosa	1,194,000	1,228,000	1,235,000	1,224,000	1,262,000	1,252,000	1,313,000	1,361,000	1,401,000	1,445,000			
Indo-Chins	10,169,000	11,889,000	11,756,000	11,979,000	12,103,000	11,297,000	11,757,000	12,528,000	12,800,000	10,512,000			
Italy	(a)342,000	825,000	276,000	286,000	294,000	303,000	340,000	356,000	366,000	351,000			
Japan	7,577,000	7,605,000	7,659,000	7,675,000	7,695,000	7,713,000	7,699,000	7,726,000	7,736,000	7,774,000			
Java and Madura	(6)	(6)	(b)	7,219,000	8,173,000	8,356,000	8,354,000	8,139,000	8,386,000	8,751,000			
Korea	(1)	(6)	(6)	3,752,000	3,816,000	3,798,000	3,860,000	3,983,000	3,890,000	3,851,000			
Siam	5,490,000	5,832,000	6,044,000	6,412,000	. 6,242,000	6,636,000	6,319,000	5,896,000	6,878,000	6,308,000			
Spain	110,000	112,000	120,000	113,000	114,000	114,000	116,000	120,000	122,000	120,000			
United States of America	1,119,000	911,000	1,335,000	921,000	1,055,000	895,000	850,009	889,000	1,034,000	989,000			
			<u>'</u>	7	TIELD (TON	IS)		<u> </u>		<u> </u>			
Argentine	21,000	(6)	25,000	25,000	15,000	9,000	12,000	9,000	9,000	7,000			
Bulgaria	5,000	3,000	4,000	6,000	5,000	7,000	9,000	12,000	14,000	9,000			
Egypt	501,000	176,000	205,000	342,000	40,000	219,000	298,000	171,000	290,000	(c)498,000			
Formosa	823,000	874,000	860,000	884,000	967,000	864,000	1,079,000	1,144,000	1.104,000	1,229,000			
Indo-China	4,548,000	4,714,000	4,585,000	5,724,000	5,696,000	5,205,000	5,630,000	5,659,000	5,973,000	4,973,000			
Italy	(a) 514,000	478,000	443,000	463,000	456,000	513,000	580,000	630,000	668,000	684,000			
Japan	9,715,000	10,802,000	11,227,000	9,801,000	10,780,000	9,872,000	10,154,000	10,604,000	9,872,000	11,030,000			
Java and Madura	(6)	(6)	(6)	3,984,000	4,864,000	5,054,000	5,054,000	4,801,000	5,167,000	5,352,000			
Korea	(6)	(6)	(6)	2,544,000	2,667,000	2,695,000	2,348,000	2,624,000	2,718,000	3 072,000			
Siam	(8)	(b)	4,201,000	4,157,000	4,263,000	4,321,000	4,892,000	4,151,000	5,174,000	4,518,000			
Spain	204,000	297,000	284,000	257,000	259,000	239,000	299,000	301,000	314,000	304,000			
United States of America	774,000	708,000	1,044,000	754,000	830,000	676,000	652,000	668,000	837,000	807,000			

(a) Exclusive of invaded territory.

(b) Not available.

(c) Spring crop only.

Note—The figures for European countries for the different years are not comparable, where changes of frontier have taken place after the war.

No. 20—COMPARATIVE STATEMENT SHOWING REPORTED AREA AND YIELD OF CERTAIN PRINCIPAL CROPS IN FOREIGN COUNTRIES FROM 1918 TO 1927—contd.

Wheat

			AREA (ACRES)											
	Countries		1918	1919	1920	1921	1922	1928	1924	1925	1926	1927		
Algeria			3,185,000	2,889,000	8,227,000	3,007,000	8,034,000	3,166 000	3,524,000	8,606,000	8,739,000	8,467,000		
Argentine			16,969,000	17,401,000	15,008,000	14,235,000	16,248,000	17,035,000	15,970,060	17,610,000	18,252,000	18,550,000		
Australia			7,987,000	6,416,000	9,068,000	9,715,000	9,760,000	9,503,600 i	10,820,000	10,197,060		11,818,000		
Austria			(b) 1,924,000	871,000	871,600	878,000	459,000	475,000	482,000	484,000	500,000	505,000		
Bulgaria			2,434,000	2,056,000	2,173,000	2,232,000	2,225,000	2,303,000	2,491,000	2,545,000	2,616,000	2,657,000		
Canada			1 -	19,118,000	18,224,000	23,251,600	22,413,000	22,672,000	22,046,000	20,781,000	,			
Denmark			140,000	128,000	180,000	220,000	237,000	205,000	149,000	198,000	251,000	274,000		
Egypt			1,286,000	1,323,000	1,190,000	1,458,000	1,517,000	1,537,000	1,415,000		1,531,000	1,654,000		
France			(a)	11,628,000	12,581,000	13,294,000	13,066,000	13,673,000	13,614,000		12,966,000			
		• •	3,732,000	3,179,000	3,397,000	3,559,000	3,394,000	8,653,0:0	3,622,000	1 1	8,955,000	4,319,000		
Germany Hungary		: :	(c) (a)	(c)	2,661,000 11,285,000	2,887,000 11,774,000	3,521,000 11,484,000	3,320,000	3,497,000 11,279,000	3,523,000	8,705,000 12,140,000	4,020,000		
Italy Japan	• • •	: :	10,783,000 1,389,000	1,344,000	1,299,000	1,263,000	1,228,000	1,196,000	1,149,000	1,148,000	1,145,000	1,161,000		
Luxemburg			25,000	27,000	27,000	29,000	23,000	25,000	22,000	27,000	32,000	36,000		
Netherlands		• •	148,000 208,000	168,000 140,000	152,000 220,000	180,000 853,000	150,000 276,000	154,000 183,000	118,000 167,000	132,000 152,000	132,000 220,000	150,000 270,000		
New Zealand Norway		•	41,000	41,000	41,000	41,000	25,000	26,000	21,000	22,000	22,000	270,000 25,000		
Poland Rumania			5,682,000	1,063,000 4,269,000	1,790,000 4,996,000	2,092,000 6,146,000	2,573,000 6,545,000	2,514,0 00 6, 648,000	2,650,000 7,635,000		2,718,000 8,219,000	2,813,000 7,660,000		
pain			10,224,000	10,374,000	10,250,000	10,382,000	10,305,000		10,375,000		10,771,000	10,622,000		
Weden	• ' •	• .	378,000	817,000	857,000	857,000	856,000	362,000	822,000	863,000	881,000	404,000		
witzerland		• • }	151,000	130,000	119,000	111,000	103,000 1,072,000	104,000	104,000	105,000	127,000 1,839,000	127,000		
Innis Inion of South	Africa .	: .	1,603,000 953,000	1,408,000 £19,000	1,318,000 875,000	1,491,000 992,000	847,000	1,605,000 779,000	1,214,000 754,000	1,625,000 968,000		1,407,000 910,000		
nited Kingdo		[2,794,000	2,371,000	1,936,000	2,046,000	2,038,000	1,8(6,000	1,599,000	1,532,000		1,708,000		
inited States o	of America .			73,069,000	61,118,000	63,670,000	62,291,000		52,513,000	52,233,000		58,559,00		
Jragus y		• • !	£39,000	680,000	700,000	812,000	663,000	979,100	850,000	958,000	987,000	1,039,000		
						TIELD (TON	(S)			•				
Algeria	·		1,316,000	561,000	225,000	753,000	454,00 0	975,000	462,000	875,000	630,000	757,000		
Argentine			4,587,000	5,799,000	4,173,000	5,106,000	5,235,000	6,617,000	5,109,000	5,109,000	5,903,000	6,393,000		
Australia	• • •		2,022,000	1,229,000	3,899,000	8,451,000	2,925,000	8,370,000	4,399,000	3,061,000	4,497,000	3,106,000		
A nstria			594,000	137,000	145,000	175,000	198,000	238,000	227,000	286,000	252,000	320,000		
Bulgaria			620,000	796,000	799,000	782,000	1,008,000	970,000	660,000	1,106,000	977,000	1,286,000		
Canada			5,054,000	5,166,000	7,035,000	8,042,000	10,686,000	12,702,000	7,006,000	10,571,000	10,883,000	11,762,000		
Denmark			169,000	158,000	198,000	298,000	247,000	237,000	157,000	261,000	234,000	251,000		
Egypt			859,000	806,000	848,000	989,000	963,000	1,089,000	914,000	969,000	995,000	1,185,000		
France			6,084,000	5,001,000	6,333,000	8,646,000	6,504,000	7,381,000	7,516,000	8,830,000	6,195,000	7,381,000		
German y			2,493,000	2,112,000	2,207,000	2,881,000	1,923,000	2,851,000	2,884,000	1 ' '	2,551,000	8,222,000		
Hungary			(c)	′c)	1,014,000	1,409,000	1,463,000	1,814,000	1,378,000	1 ' '	'	2,056,000		
Italy			(a) 4,899,000		8,778,000	5,154,000	4,821,000	6,022,000	4,548,000	1 .	'	1		
Japan			829,000	£20,000	759,000	720,000	738,000	761,000	679,000	1 ' '		i		
Luxemburg			14,000	12,000	12,000	17,000	5,000	14,000	1		1 *			
Netherlands			141,000		1	225,000	162,000	164,000	124,000	153,000	147,000	136,000		
New Zealard Norway			176,000 29,000		184,000 27,000	282,000 26,000	224,000 17,000	114,000	1	1	1			
Poland			(c)	\$21,000	,	1,000,000	1,133,000	1,382,600			1 '			
Rumania Spain Sweden	: : :	:	, 3,627,000	1,765,000 8,455,000	1,639,000 3,705,000	2,100,000 8,880,000	2,459,000 8,354,000	2,705.000 4,208,000	1,882,000 3,255,000	2,800,000 4,346,000	2,964,000 3,919,000	2,586,000 3,871,000		
Switzerland		•	238,000	•	1	880,000 96,000	1	1		857,00	0: 825,0 00 	302,000		
DAICECTIBILE			1 '		1	1		1	1	1	1	1		
Tonis		•	819,000		140,000	239,000	98.000	268 000	138 00) 815 NA	በ ያፈዓ ስስሳ	- 991.0⊕		
Tunis Union of Sou		•	223,00	0 137,000	204,000	225,000	169,000	161,000	191,000	246,00	0 225,000	178,000		
Tunis Union of Sou United King		•		0 137,000 0 1,853,000	204,000 1,487,000	225,000 1,939,000	169,000 1,744,000	161,000 1,590,000	191,000 1,413,00	246,00 0 1,414,00	0 349,000 0 225,000 0 1,863,000 0 22,214,000	178,000 1,491,00		

⁽a) Exclusive of Invaded territory.

⁽b) Incomplete data.

⁽c) Not available.

Note-The figures for European countries for the different years are not comparable, where changes of frontier heve taken place after the war.

o. 20—COMPARATIVE STATEMENT SHOWING REPORTED AREA AND YIELD OF CERTAIN PRINCIPAL CROPS IN FOREIGN COUNTRIES FROM 1918 TO 1927—contd.

Barley

		1			AREA (AC	TRES)					
Countries		1918	1919	1920	1921	1922	1923	1924	1925	1926	19:7
		1010		<u> </u>					· · 		<u> </u>
lgeria . · ·		2,793,000	2,707,000	2,827,000	2,5 13, 000	2,916,000	2,837,000	3,209,000	3,376,000	3,541,000	3,359,00
rgenting		615,000	669,000	616,000	620,000	29,000	561,000	407,000	718,000	810,000	752,00
ustralia		255,000	267,000	235,000	29 9 ,000	312,000	259,000	260,000	375,000	371,090	(e)
intria		1,811,000	232,000	240,000	266,000	313,000	333,600	311,000	343,60 0	362,000	365,00
ulgaria • • •		601,000	484,000	549,000	523,00 0	549,000	5 44, 00 0	529,000	548,000	552,000	554,0
anada		3,152,000	2,644,000	2,551,000	2,794,000	2,598,000	2,785,000	3,496,000	3,502,000	3,646,000	3,504,0
benmark		551,00 0	586,000	626,000	623,000	666,660	690,000	745,000	741,000	770,000	622,0
	•	306 000	356,000	340,000	39 4, 600 ;	875,000	400,000	372,000	366,000	333,000	375,0
gypt · · ·	• •	(a) 1,371,000	i I	1,640,000	1,679,000	1,712,000	1,684,000	1,761,000	1,727,000	1,706,000	1,746,0
ranco · · ·		1	2,733,000	3,257,000	3.114.000 ¹	3,102,000	3,216,000	3,572,000	3,545,000	3,669,000	3,652,0
crmany	• •	3,454,000	(c)	1,266,000	1,181,000	1,111,000	1,125,000	1,007,000	1,019,000	1,050,000	
ungar y · · ·	•	(a)478,000	480,000	194,000	540,000	576,000	569,000	572,000	576,000	556,000	
apan · · ·		2,860,000	2,592,000	2,955,000	2,928,000	2,745,000	2,549,000	2,157,900	2,465,000	2,430,000	$\begin{vmatrix} 2,312,0 \end{vmatrix}$
uxemburg		7,060	6,000	5,000	5,000	9,000	9,000	9,000	7.000		1
Tetherlands - •		60,000	57,000	56,000	61,000	61.000 t	•	63,000	73,000	67,000	1
ew Zedand		1	23,000	47,000	33,000	17,000	21,000	25,000	26,000	3 0, 00	1
orway · · ·		1	156,000	156,000	156,000	132,000 2,823,000	125,000	136,600	139,000	113,000 3, 017,000	1
oland		(c) 2,119,000	1,314,000 1,942,000	1,943,000 3,458,000	2,450,000 3,876,000	2,823,000 · 4,567,000 ·	2,964,000 4,642,000	3,009,000 4,571,000	3,025,000 4,209,000	-	4,855,0
mmanis	• •	4,208,000	4,252,000	4,317,000	4,333,000	4,080,000	4,540,000	4,312,000	4,412,000	•	
pain · · · · · · · · · · · · · · · · · · ·	• •	457,000	415,000	398,000	397,000	427,000	393,000	428,000	412,000	413,000	1
witzerland		00.000	18,000	18,000	16,000	16,000	16,000	16,000	15,000		1
unis		1,417,000	1,100,000	926,000	1,228,000	7::3,000	1,206,000	745,000	1,244,000	1,409,000	1
nion of South Africa .		125,000	85,000	97,000	106,000	107,000	92,000	83,000	107,000	1	
Inited Kingdom		1,839,000	1,878,000	1,811,000	1,609,000	1,548,000	1,488,000	1,467,000	1,473,000	1,271,000	1,167,
Inited States of America Truguay		9,7:36,000 5,000	6,470,000 5,000	7,597,000 ₍ 5,000	7,411,000 3,000	7,314,000 3,000	7,905,000 5,000	6,922,000 7,000	8,065,000 7,000	7,967,000 5,000	9,458,0 5,0
	_		_		Aleid	(TONS)					
Algeria		. 1,249,000	600,000	205,000	1,026,000	856,000	1,005,000	413,000	766,000	492,000	739,0
ryentine		. (c)	55,000	79,000	128,000	166,000	254,000	149,000	365,000	353,000	311,0
instralia		106,000	96,000	159,000	136,000	146,000	111,000	113,000	142,000	142,000	(c)
Austria		(6) 537,000	82,000	95,000	117,000	120,000	168,000	154,000	198,000	194,000	234,0
Sulgaria		145,000	100,000	201,000	182,000	220,000	 1 80,000	151,000	258,000	237,000	300,0
anada	_	1,653,000	1	1,354,000	1,277,000	1,537,000	1,650,000		1,563,000	2,138,000	 2,07 3,00
	-	459,060		528,000	589,000	i	¢96,000	731,000	782,000	715,000	772,0
enmark	•			i		1	·		Į.	216,000	256,00
gypt	•	. 211,000 (a)		223,000	255,000	242,000	257,000	2::0,000	239,000		
rance	•	. 588,000		821,000 (b)	819,000 (b)	875,000 (6)	965,000	1,027,000	1,008,000	951,000	1,076,0
erma ny	•	. 2,065,0 00	1,609,000	1,761,000	1,904,000		2,324,000	2,357,000	2,553,000	2,623,000	2,689,00
Iungary · · ·		. (c)	(c)	463,000	458,000	471,000	584,000	314,000	545,000	545,000	50 6, 00
taly		. 207,000	4	126,000	2 22, 0 00	176,000	225,000	186,000	276,000	236,000	202,00
apan	•	1,909,000	1	1,970,000	1,879,000	1,863,000	1,574,000	1,603,000	1,956,000	1,584,000	1,764,00
uxembarg	•	. 3,900 . 58,000			2,000	4,000	3,000 63,000	4,000	4,000 76, 0 00	-	4,0 65,0
etherlands		14:000	1	59,00 0 3 6, 000	71,000 26,000	68,000 13,000	13,000	76,000 18,000	21,000	76,000 28,000	17,00
orway		120,000	112,000	116,000	92,000	96,060	70,000	100,600	111,000	110,000	100,00
pland		(.)	596,000	825,000	1,202,000		1,629,000	,	1.647,000 I		1,605,0
umunia		10= 000	677,000	1,446,000	968,000	2,005,000	1,331,000	658,000	1,001,000	1,655,000	1,239,00
pain · ·	•	1,935,000	1,749,000	1,934,000	910,000	1,658,000	2,397,000	1,790,000	2,115,000	2,050,000	1,232,00
wedou		247,000	272,000	239,000	256,000	281,000	252,000	284,000	308,000		267,0
witzerland			13,000	13,000	12,000	10,000	12,000	11,000	11,000	12,000	12,00
unie		280,000	118,000	56,000	246,000	32,000	246,000	54,000	145,000	159,000	88,00
Inion of South Africa .		37,000	15,000	23,000	28,000	26,000	26,000	22,000	24,000	23,000	17,00
Inited Kingdom	•	1,383,060	1,285,000	1,305,000	1,050,000	1,036,000	1,091,000	1,143,000	1,153,000		955,00
Inited States of America		5,179,000	2,609,000	4,019,000	3,313,600	3,893,000	4,247,000	3,883,000		3,954,000	5,679,00
ruguay • • •		2,000	2,000	2,000	1,000	1,000	2,000	1 ,00 0	2,000	1,000	2,00

(a) Exclusive of invaded territory.

(b) Incomplete data.

(c) Not available.

Note—The figures for European countries for the different years are not comparable, where changes of frontier have taken place after the war.

No. 20—COMPARATIVE STATEMENT SHOWING REPORTED AREA AND YIEL OF CERTAIN PRINCIPAL CROPS IN FOREIGN COUNTRIES FROM 1918 T 1927—contd.

					•		Maiz	ze			- · ·		
				1	•		AREA	(ACRES)		.			
	Conntrie	6		1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
Algeria .				16,000	15,000	18,000	13,000	18,000	20,000	25,000	26,000	27,000	24,0
Argentine				8,249,000	8,181,000	8,087,000	7,340,000	7,848,000	8,465,000	7,192,000	9,630,000	9,057,000	8,799,0
Anstralia .				287,000	265,000	284,000	305,000	313,000	316,000	399,000	297,000	286,000	(c)
lustria .				230,000	104,000	102,000	112,000	148,000	144,000	147,000	149,000	152,000	147,6
ulgaria .				1,461,000	1,445,000	1,392,000	1,421,000	1,312,000	1,364,000	1,505,000	1,581,000	1,515,000	1,661,
anada . `				250,000	264,000	292,000	297,000	318,000	818,000	295,000	239,000	210,000	132,6
дурь .				1,811,000	1,791,000	1,937,000	2,085,000	2,034,000	1,864,000	1,877,000	2,076,000	2,164,000	(c)
rance .				(a) 753,000	744,000	829,000	814,000	769,000	845,000	845,000	854,000	834,000	861,0
lungary .				(c)	(c)	2,016,000	2,166,000	2,444,000	2,401,000	2,458,000	2,655,000	2,630,000	2,624,0
aly				3,556,000	3,707,000	3,708,000	8,715,000	3,856,000	8,790,000	8,803,000	3,837,000	3,768,000	8,754,0
apan .				141,000	152,000	150,000	158,000	140,000	136,000	140,000	137,000	129,000	(c)
ew Zealand				10,000	9,000	12,000	11,000	10,000	8,000	9,000	9,000	10,000	(c)
oland .				(c)	(c)	107,000	132,000	183,000	189,000	190,000	192,000	195,000	196.0
umania .			•	5,726,000	6,749,000	8,140,000	8,507,000	8,408,000	8,413,000	8,945,000	9,709,000	10,027,000	10,422,0
pain '.				1,169,000	1,179,000	1,167,000	1,177,000	1,159,000	1,166,000	1,162,000	1,170,000	1,005,000	1,142,0
witzerland			_	7,000	6,000	6,000	5,000	4,000	4,000	4,000	4,000	3,000	3,0
nis .		•	•	36,000	45,000	(d) 25,000	(4)55,000	(&)16,000	(d)44,000	(&)41,000	(4)58,009	(d) 44,000	 (d)33,0
nion of South	Africa	•	-	3,951,000	4,001,000	3,613,000	4,597,000	4,607,000	8,693,000	5,830,000	4,042,000	5,169,000	4,800,0
nited States o		٠.	•	104,424,000		101,657,000	103,697,000	102,803,000	104,158,000	100,821,000	101,317,000	99,672,000	ļ.
roguay .				552,000	494,000	571,000	479,000	569,000	576,000	408,000	436,000	494,000	598,00
					<u>. </u>	4			<u></u>	<u> </u>	·	·	<u> </u>
~ . ,				. post page on the page	سيدره المطفوات		YIE	LD (TONS)		• ., • ····		•	-
			_	 	, , , , , , , , , , , , , , , , , , ,		7				-		<u> </u>
geria .	• •	•	•	5,000	6,000	4,000	4,000	- 6,000	8,000	6,000	7,000	6,000	6,0
rgentine .	• •	•	•	5,594,000	6,454,000	5,749,000	4,395,000	4,893,000	6,919,000	4,648,000	. 8,024,000	8,004,000	7,626,00
nstralia .		•	-	172,000	169,000	181,000	196,000	184,000	202,000	310,000	185,000	174,000	(c)
ustria .			•	(b) 88,000	53,000	5 3,000	63,600	87,000	86,000	93,000	115,000	95,000	123,0
ulgaria .			•	211,000	635,000	516,000	409,000	886,000	672,000	6 18,000	644,000	681,000	514,00
anada .				354,000	423,000	. 358,000	372,000	844,000	840,900	299,000	264,000	195,000	106,00

										•					
Algeria .			•	•	5,000	6,000	4,000	4,000	- 6,000	8,000	6,000	7,000	6,000	6,00	
Argentine .	•	. •	•	- 1	5,594,000	6,454,000	5,749,000	4,395,000	4,893,000	6,919,000	4,648,000	. 8,024,000	8,004,000	7,626,000	
Australia .		•	•	-	172,000	169,000	181,000	195,000	184,000	202,000	310,000	183,000	174,000	(c)	
Austria .		•		•	(b) 88,000	53,000	53,000	63,600	87,000	86,000	93,000	115,000	95,000	123,00	
Bulgaria .		•	•	•	211,000	635,000	516,000	409,000	886,000	672,000	618,000	644,000	681,000	514,00	
Canada .	•			•	354,000	423,000	. 358,000	872,000	844,000	840,900	299,000	264,000	195,000	106,00	
Egypt .	•	•			1,634,000	1,596,000	1,761,000	1,790,030	1,773,000	1,674,003	1,686,000	1,925,000	2,010,000	(c)	
France .					(a) 243,000	252,00 0	381,000	25 9, 000~	316,000	817,000	450,000	£ 00,000	8 16,000	517.00	
Hangary .	•	•	•	•	(c)	(c)	1,251,000	791,000	1,218,000	1,231,000	1,849,070	2,195,000	1,910,000	1,705,000	
Italy .	•	•		. •	(<i>a</i>) 1,911,000	2,142,000	2,228,000	2,303,000	1,917,000	2,230,000	2,638,000	2,743,000	2,946,000	2,180,00	
Japan .	•	•		•	84,000	101,000	90,000	197,000	87,000	84,000	89,000	89,000	74,000	(c)	
New Zealand	1.	•	-	•	10,000	10,000	12,000	12,000	13,000	10,000	11,000	11,000	12,000	(c)	
Poland .	•			•	(c)	(c)	27,000	57,000	69,000	96,0 00	104,000	87,000	104,000	101,00	
Rumania .	•	•	٠	•	781,000	3,526,000	4,541,000	2,768,000	2,758,000	4,012,000	8,678,000	4,085,000	5,975,000	8,470,0	
Spain .	•	•	•		602,000	638,000	691,000	621,990	669,000	598,000	644,000	705,000	429,000	651,00	
Switzerland	•	•	•	•	9,000	7,000	7,000	4,000	5,000	4,000	4,000	4,000	3,000	4,00	
Tunis .	•		•		8,000	6,000	(a)3,000	000,8(%)	(d)1,000	(d)7,000	(a)5,000	(d)6,000	(d)3,000	(d) 2,00	
Union of Sc				•	1,030,000	835,060	1,169,000	878,000	1,707,000	1,001,000	2,165,000	973,000	1,627,000	1,689,0	
United Stat	es o	f Amer	ica .		62,435,000	58,522,000	80,046,000	76,553,000	72,498,000	76,860,000	57, 614,000	72,771,000	67,163,000	69,511,0	
Uruguay.		·	•		164,000	115,000	197,000	120,000	162,000	163,000	133,000	83,000	124,000	229,00	

⁽a) Exclusive of invaded territory.

⁽b) Incomplete data.

⁽c) Not available.

⁽d) Maize and sorghum.

NCTE-The figures for European countries for the different years are not comparable, where changes of frontier have taken place after the war.

No. 20—COMPARATIVE STATEMENT SHOWING REPORTED AREA AND YIELD OF CERTAIN PRINCIPAL CROPS IN FOREIGN COUNTRIES FROM 1918 TO 1927—contd.

Sugarcane

1					AREA (ACRES					
Countries	1018-19	1919-20	1920-21	1021-22	1922-23	1923-24	1924-25	1935-26	1926-27	1027-28
intigon	(0)	16,000	16,000	16,000	16,000	16,000	16,000	16,000	(c)	(c)
irgentine	234,000	235,000	284,000	236,000	262,000	300,000	323,000	353,000	(c)	(c)
natralia .	171,000	159,000	174,000	197,000	147,000	145,000	175,000	198,000	109,000	(c)
iritish Gulana	74,000	71,000	69,000	63,000	61,000	65,000	57,000	67,000	56,000	59,00
onta Rica	(c)	(e)	(c)	(c)	4 3,000	43,000	44,000	40,000	(c)	(c)
uba	(c)	(c)	(c)	(c)	(c)	(c)	(0)	3,062,000	(c)	(c)
utch East Indies (b)	251,000(a)	372,000	413,000	443,000	444,000	405,000	461,000	475,000	492,000	493,00
outch Guiana	5,000	5,000	5,000	6,000	7,000	6,000	8,000	8,000	9,000	(c)
Egypt	89,000	53,000	66,000	65,000	58,000	53,000	53,000	£4,000	40,000	(c)
ormosa	(c)	260,000	285,000	340,000	275,000	266,000	294,000	308,000	209,000	(c)
nadeloups and Dependencies	(c)	(c)	(c)	(c)	88,000	86,000	66,000	RC,000	86,000	69,00
untemala	40,000	42,000	(c)	32,000	57,000	32,000	99,000	81,000	31,000	28,00
lawaii	120,000	114,000	113,000	124,000	- 114,000	112,000	117,000	112,000	(c)	(c)
ndo-China	(0)	(0)	93,000	93,000	(c)	(0)	94,000	99,000	62,000	101,00
amaica	41,000	48,000	56,000	44,000	48,000	47,000	44,000	52,000	44,000	(c)
apan	68,000	68,000	72,000	76,000	64,000	58,000	64,000	66,000	66,000	(¢)
Caaritias	176,000	178,000	180,000	173,000	171,000	171,000	167,000	163,000	162,000	158,00
fexico	(o)	(ø)	(0)	111,000	95,000	100,000	217,000	\$20,000	218,000	(0)
araguay	(0)	(0)	19,000	13,000	12,000	10,000	(c)	(c)	(c)	(0)
era	(c)	100,000	121,000	128,000	126,000	131,000	138,000	132,000	131,000	(0)
hilippines	404,000	488,000	596,000	595,000	561,000	561,000	593,000	873,000	586,000	(c)
Porto-Rico	239,000	228,000	240,000	241,000	244,000	237,000	237,000	240,000	244,000	280,00
alvador	18,000	(c)	(a)	30,000	(c)	· (c)	27,000	(c)	(c)	(c)
pain	5,000	5,000	6,000	6,000	6,000	8,000	(c)	(c)	(c)	(c)
ganda	2,000	3,000	2,000	4,000	7,000	12,000	7,900	19,000	10,000	0,00
nion of South Africa .	(0)	160,000	. 198,000	197,000	212,000	90,000	216,000	232,000	245,000	(c)
nited States of America (Lonisiana) ji Islands	231,000 69,000	234,000 74,000	183,000 01,000	226,000 53,000	241,000 89,000	217,000 42,000	163,000 28,000	190,000 20,000	128,000 (a)	80,00 (c)

YIELD (TONS)

Antigon	. (0)	(c)	(0)	98,000	112,000	72,000	157,000	175,000	(c)	(c) -
Argentine	2,161,000	3,044,000	8,044,000	2,743,000	2,856,000	3,719,000	3,421,000	5,498,000	5,647,000	5,309,000
Australia	1,776,000	1,347,000	1,468,000	3,432,000	2,311,000	2,173,000	8,398,000	3,947,000	8,149,000	(c)
British Guiana	. (c)	(0)	· (e)	(0)	(c)	(e)	(0)	(c)	(c)	(c)
Costa Rica	. (c)	(0)	· (c)	(c)	(c)	(c)	(c)	(c)	(0)	(c)
Cubs	. 86,511,000	84,169,000	37, 152, 600	84,681,000	81,517,000	85,572,000	46,401,000	43,300,000	40,824,000	31,868,000
Dutch East Indies (5)	13,395,000	13,395,000	14,370,000	15,010,000	16,725,000	17,584,000	17,968,000	19,015,000	18,621,000	21,069,000
Dutch Guiana	. (0)	10,000	- 11,000	(c)	(c)	(0)	(o) [']	(c)	(c)	(c)
Egypt	1,703,000	1,566,000	1,843,000	1,805,000	1,689,000	1,686,000	1,572,000	1,617,000	1,516,000	(c)
formosa	. 8,818,000	2,583,000	2,910,000	3,979,000	8,684,000	4,894,000	4,831,000	5,067,000	3,935,000	(c)
Suadeloupe and Dependen	ies (c)	(0)	3 86, 6 00	850,000	369,000	(0)	(c)	(e)	(c)	1,179,000
Suatemala . , ,	. (o)	(0)	(e)	(c)	(c)	(c)	(c)	(c)	275,000	(c)
Iswaii	4,227,000	3,095,000	4,149,000	4,633,000	4,065,000	8,044,000	5,610,000	5,788,000	(c)	(o)
ndo-China	. (0)	(0)	(c)	(e)	(c) ·	(c)	(d)44,000	(4) 49,000	(4)53,000	(4)76,000
awalea	. (0)	(0)	(e)	499,000	424,000	(c)	(c)	(c)	(e)	(c)
apan	1,087,000	1,057,000	862,000	1,089,000	79 8,0 00	713,000	942,000	621,000	89 1,000	(o)
favritius	2,201,000	(0)	(c)	(e)	(0)	2,147,000	2,242,000	(e)	1,903,000	2,033,000
lexico	· (c)	(c)	(0)	2,160,000	1,709,000	3,030,000	4,524,000	4,423,000	4,225,000	(c)
araguay	(c)	(0)	(c)	(c)	- (c)	113,000	(c)	(c)	(o)	(o)
'ero	. (0)	2,405,000	2,933,000	2,830,600	2,719,000	2,780,000	2,659,000	2,598,000	8,174,030	(c)
Philippines	(0)	(0)	(0)	(0)	(0)	(c)	(c)	(v)	(c)	(c)
Porto-Rico	. (e)	3,530,000	4,668,000	4,532,000	3,253,00u	2,789,000	3,690,000	5,930,000	4.684,000	4,878,100
alvador	. (c)	(c)	(c)	(0)	(c)	(c)	(0)	(c)	(c)	(c)
pain .	63,000	63,000	126,000	118,000	91,000	105,000	106,000	(c)	· (a)	(6)
gands	. (0)	(c)	(e)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
Inion of South Africa	1,128,000	(0)	1,450,000	1,453,000	1,493,000	1,496,000	1,440,000	2,306,000	1,945,000	(c)
Inited States of Ameri (Louisfans) iji Islands	9,715,000 436,000	2,170,000 375,000	2,221,000 1,080,000	8,725,000 { 782,000	2,078,000 482,000	2,120,000 412,000	1,094,000 505,000	2,357,000 217,000	770,000 (c)	99 8,000 (#

⁽a) Incomplete data.

⁽b) The figures relate to Java and Madura only.

⁽c) Notavailable,

OMPARATIVE STATEMENT SHOWING REPORTED AREA AND YI OF CERTAIN PRINCIPAL CROPS IN FOREIGN COUNTRIES FROM TO 1927—contd. No. 20—COMPARATIVE

Cotton

		_		AREA (AC	RES)					
Countries	1918-19	1919-20	1920-21	1921-22	1922-23	1923-24	1924-25	1925-26	1926-27	19
Algeria	(6)	1,000	1,000	1,000	1,000	1,000	\$,000	15,000	21,000	
Anglo-Egyptian Sudan	(6)	(b)	(6)	84,000	62,000	112,000	174,000	230,000	225,000	241
Argentine	8 3,000	83,000	\$9,000	89,000	, \$6,000	155,000	258,000	272,000	177,000	21
Australia	(6)	- (b)	(6)	23,000	9,000	50,000	40,000	23,000	(b)	į, (t
Brazil . ,	605,000	685,000	805,000	1,419,000	1,512,000	1,966,000	1,573,000	1,320,000	986,000	1,212
Bulgaria (c)	7,000	4,000	5,000	4,000	7,000	7,000	5,000	7,000	7,000	13,0(
Egypt	1,365,000	1,633,000	1,897,000	1,340,000	1,868,000	1,648,000	1,855,000	1,997,000	1,853,000	1,573,(
Italy	(8)	(b)	(6)	- (b)	9,000	9,000	9,000	9,000	9,000	(6)
Japan	6,000	6,000	6,000	6,000	5,0 00	5,000	5,000	4,000	3,000	,tv
Uganda	(b)	(b)	238,000	171,000	334,000	409,000	557,000	611,000	570,000	533,00
Union of South Africa	5,000	7,000	19,000	15,000	23.000	55, 00 0	145,000	105,000	63,000	55,0
United States of America . 3	35,993,000	33,726,000	35,863,000	30,496,000	33,026,000	87,123,000	41,343,000	46,034,000	47,067,000	40,121,00
				YIELD (BALES OF	(01 LBS)		• .		
Algeria	(b)	(a)	1,000	1,000	(a)	1,000	3,000	7,000	9,000	5,000
Anglo-Egyptian Sudan	(b)	(b)	(9)	24,000	28,000	46,000	47,000	127,000	156,000	132,00
Argentine.	19,000	16,000	31,000	21,000	32,000	72,000	84,000	161,000	69,000	121,00
Australia	(6)	(8)	(a)	2,000	10,000	12,000	15,000	7,000	8,000	(6)
Brazil	404,000	603,000	441,000	687,000	576,000	860,000	721,000	717,000	577,000	586,000
Bulgaria (c)	1,000	1,000	- 1,000	1,000	4,000	· 2,000	1,000	2,000	3,000	5,000
Egypt	1,191,000	1,377,000	1,492,000	1,076,000	1,659,000	1,447,000	1,797,000	1,968,000	1,891,000	1,499,00
Italy	(b)	(b)	(b)	(b)	5,000	6,000	5,000	(8)	(6)	(6)
Japan	5,000	5,000	6,000	4,000	4,000	2,000	2,000	2,000	1,000	(6)
Uganda	(b) .	(b)	75,000	48,000	88,000	128,000	196,000	180,000	131,000	134,000
Union of South Africa	2,000	3,000	8,000	2,000	7,000	9,000	17,000	20,000	10,000	13,000
United States of America	1 4 ,35 9 ,000	13,566,000	16,027,000	9,485,000	12,203,000	12,675,000	16,251,000	19,204,000	21,438,000	15,449,00

⁽a) Less than 500 bales.
(b) Not available.
(c) De figures for the different years are not comparable, where changes of frontier have taken place after the war.

No. 20—COMPARATIVE STATEMENT SHOWING REPORTED AREA AND YIELD OF CERTAIN PRINCIPAL CROPS IN FOREIGN COUNTRIES FROM 1918 TO 1927—contd.

Linseed

					AREA (ACRES)				
Countries	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
Algeria · · ·	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	(c)
Argentine	8,418,000	4,362,000	4,767,000	8,690,000	4,815,000	5,359,000	5,377,000	6,059,000	6,226,000	6,770,000
Australia	1,000	1,000	1,000	1,000	1,000	(c)	(e)	(e)	(e)	(c)
Austria	. 65,000(1)	7,000	8,000	8,000	9,000	7,000	9,000	9,000	7,000	7,000
Belgium	(c)	54,000	125,000	87,000	41,000	46,000	54,000	58,000	58,000	52,000
Bulgaria	1,000	1,000	1,000	1,000	2,000	1,000	1,000	1,000	(e)	1,000
Canada	. 1,068,000	1,093,000	1,428,000	533,000	565,000	630,000	1,282,600	842,000	738,000	476,000
Egypt	4,000	3,000	6,000	- 6, 00 0	1,000	2,000	2,000	3,000	4,000	2,000
France	(a) 28,000	52,000	£6,000	43,000	38,000	37,000	48,000	61,000	66,000	60,000
Germany	. 104,000	110,000	(c)	118,000	(c)	(c)	(c)	(c)	(c)	(c)
Hungary	. (c)	(c)	. 9,000	10,000	7,000	4,000	6,000	8,000	4,000	5,000
Italy	48,000	47,000	50,000	53,000	52,000	50,000	51,000	52,000	55,000	43,000
Japan	85,000	68,000	103,000	76,000	89,000	45,000	37,600	51,000	45,000	(3)
Netherlands	. 15,000	24,000	60,000	22,000	24,000	25,000	31,000	37,000	34,000	27,000
New Zealand	4,000	5,000	10,000	6,000	11,000	12,000	7,000	8,000	5,000	(c)
Poland	· (c)	81,000	101,000	175,000	251,000	256,000	262,000	266,000	268,000	270,000
Romania	. 186,000		32,000	27,000	27,000	83,000	51,000	62,000	51,000	49,000
Spain	4,000 5,000	2,000 6,000	3,000 7,000	4,000 7,000	5,000 6,000	4,000 5,000	(c) 5,000	2,000 (c)	3,000 (c)	(c) (c)
Tunis	5,000	1	8,000	9,000	5,000	7,000	5,000	6,000	7,000	6,000
United Kingdom	. 163,000	115,000	151,000	48,000	(6)5,000	55,000	(8) 5,000	(b) 4,000	3,000	2,000
United States of America .	. 1,909,000	1,502,000	1,756,000	1,108,000	1,113,000	2,061,000	3,468,000	3,077,000	2,906,000	2,905,004
Uruguay	51,000	83,000	79,000	61,000	84,000	102,000	146,000	185,000	175,000	177,000
Algeria	. (d)	(d)	(d)	(a)	(d)	(d)	(1)	1 (2)	(c)	(c)
Argentine	768,000		1,497,000	899,000	1,187,000	1,447,000	(d) 1,125,000	(d) 1,874,000	ļ	1,982,000
Australia	. (c)	(d)	(d)	(d)	(d)	(c)	(d)	(d)	(c)	(0)
At.t.	(6)	1					2,000	2,000		ļ
Austria	9,000	1,000	1,000	1,000	1,000	1,000	12,000	12,000	1,000	1,000
Bulgaria	(c)	12,000	21,000	8,000	9,000	10,000	(d)	(d)	12,000	10,000
Canada	(d)	(d) 137,000	(d) 199,000	(d) 103,000	(d) 125,000	(d)	242,000	156,000.	(d) 150,000	(d) 122,000
Egypt	. 151,000	1,000	3,000 8,000	1,000		178,000	1,000	1,000	2,000	(d)
France	. (c) . (a) 5,000		19,000	7,00 0	(d) 8,000	(d) 7,000	9,000	13,000	15,000	18,000
Germany			(c)	(c)	· (e)	(c)	(c)	(c)	(c)	(c)
Hungary	(6)	(c)	2,000	2,000	1,000	1,000	1,000	1,000	1,000	1,000
Italy	. (a) 12,000	11,000	- 10,000	13,000	10,000	10,000	11,000	13,000	11,000	7,000
Japan	18,000	12,000	(c)	16,000	7,000	7,000	5,000	7,000	7,000	(c)
Netherlands .	4,000	7,000	15,000	6,000	6,000	6,000	8,000	14,000	8,000	(c)
New Zealand	. (c)	2,000	5,000	8,000	5,000	8,000	2,000	2,000	2,000	(c)
Poland	(c)	14,000	16,000	32,000	50,000	58,000	56,000	61,000	70,000	76,000
Rumania .	7,000	8,000	5,000	8,000	5,000	6,000	6,000	8,000	6,000	6,000
Spain	2,000	1,000	1,000	1,000	1,000	1,000	(c)	1,000	(d)	(c)
Sweden	1,000	1,000	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(c)
Tunis	1,000	1,000	1,000	1,000	(d)	1,000	(d)	1,000	1,000	1,000
United Kingdom	(c)	(c)	(c)	(6)	(c)	(c)	(c)	2,000	(c)	(c)
United States of America	334,000	181,000	269,000	200,000	25 9, 00 0	435,000	787,000	559,000	482,000	663,000
Uruguay	12,000	23,000	24,000	13,000	18,000	20,000	38,000	51,000	49,000	51,000
	1	1	,	,	,				- 1	

(a) Exclusive of invaded territory. (1) Incomplete data
NOTE—The figures for the European countries for the different years are not comparable, where changes of frontier have taken place after the war.

No. 20—COMPARATIVE STATEMENT SHOWING REPORTED AREA AND YIELD CERTAIN PRINCIPAL CROPS IN FOREIGN COUNTRIES FROM 1918 1927—contd.

Rapeseed

								AREA (ACRI	ES)				
Co	antri	?8 		1818	1919	1920	1921	1922	1923	1924	1925	1926	1
Anstria .		•		(<i>b</i>) 24.000	8,600	2,000	3,000	8,000	3,000	3,000	3,000	3,000	
Belgium .			•	(c)	4,000	3,000	3,000	1,000	1,000	1,000	1,000	1,000	
Bulgaria .	•	•		88,000	4,000	7,000	3,000	4,000	3,000	1,000	6,000	25,000	
Czechoslovak:	ia	٠.		(0)	22,000	16,000	11,000	10,000	n,000	9,000	7.000	7,000	} ,
Formosa .		•	•	3,000	2,000	2,000	2,000	1,000	1,600	1,000	1,000	1,00 0	/0
France .	•	•	٠	(∂) 43,∪00	64,000	68,000	68,000	55, 00 0	60,000	46,000	46,000	44,000	4
Germany .	•	•		279,000	306,000	230,000	210,000	104,000	128,000	104,000	94,000	77,000	6:
Hungary .		•		(6)	(0)	9,000	40,000	29,000	44,000	26,000	45,000	35,000	2:
Japan .	• .	•		285,000	279,000	276,000	262,000	224,000	206,000	193,000	185,000	179,000	(0
Netherlands	•	•		9,000	20,000	10,000	4,000	2,000	5,000	5,0 00	5,000	7,000	,
Poland .	•			(o)	84,000	102,000	81,000	112,000	112,000	107,000	113,000	112,000	11:
iumania .	•	٠.	•	23,000	208,000	140,000	105,000	105,0 00	118,000	96,000	161,006	122,000	91
					i								}

YIELD (TONS)

			\neg										
Austria .	•	•		(b) 10,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	2,000	2
Belgium .	•	•	•	(0)	2,000	2,000	2,000	1,000	1,000	1,000	(d)	(d)	(d
Bulgaria .			•	4,00C	1,000	1,000	, 1,000	1,000	1,000	(d)	2,000	8,000	3
Czerboslovakia	•	•	٠	(0)	11,000	7,060	5,000	4,000	8,000	4,000	4,000	3,000	3,
Formosa .	•	•	•	(d)	(d)	` (d)	(d)	(d)	(d)	(d)	(d)	(ď)	(o)
France .	•	•		(a) 20,000	38,000	40,000	83,000	23,000	27,000	22 , 000	24,000	20,000	23,
Germany	. •	•		(0)	(c) .	(c)	(0)	(0)	(e)	, (ø)	(c)	(0)	87,
Hungary	•		•	(0)	(c)	3,000	11,000	7,000	14,000	7,000	18,000	· 14,000	₽,
Japan .	•	•	•	101,000	110,000	100,000	95,000	0,000	72,000	69,0 00	69,000	68,000	(c)
Netherlands "	•	•	•	5,000	14,000	7,000	3,000	1,000	5,000	5 ,0 00	5,000	7,000	7,
Poland .	•	•	•	(0)	29,000	29,000	20,000	86,000	47,000	80,000	51,000	45,000	48,
Rumania .	•	•		1,000	53,000	28,000	11,000	19,000	16,000	8,000	85 ,00 0	17,000	14,
(a)	Faala		-	radad tamit	<u>!</u>	<u> </u>	<u> </u>		<u> </u>			!	

(a) Exclusive of Lveded territory.

(b) Incomplete data.

(c) Not available.

(d) Below 500 tons.

Note—The figures or the European countries for the different years are not comparable, where changes of frontier have taken place after the

(f) Java.

No. 20.—COMPARATIVE STATEMENT SHOWING REPORTED AREA AND YIELD OF CERTAIN PRINCIPAL CROPS IN FOREIGN COUNTRIES FROM 1918 TO 1927—contd.

Tea

					AREA (ACR)	ES)	Ÿ		. 	
Countries	1918	1919	1920	1921	1923	1923	1924	1925	1926	1927
Andaman and Nicobar	(d)	(d)	(c)	(c)	(c)	(o)	(c)	(c)	(c)	(o)
Ceylon	5 05,000	(a) 395,000	(a) 39 5, 000	(a) 418,000	(a) 420,000	(a) 4 20,000	(a) 400,000	(a) 400,000	(a) 442,000	(a) 442,000
Formosa	112,000	115,000	93,000	89,000	88,000	111,000	113,000	114,000	113,000	111,000
Japan	122,000	120,000	118,000	115,000	110,000	108,000	107,000	108,000	109,000	(c)
Dutch East Indies .	(0)	(8) 233,000	(ð) 220,000	(8) 226,000	(b) 230,000	266,000	294,000	30 4,0 00	326,0 00	336,000
Mauritius	(d)	(d)	(d)	(d)	(d)	(ď)	(d)	(c)	(d)	(d)
Nyasaland	4,000	5,000	5,000	4,000	5,000	4,000	5,000	5,1)00	6,000	7,000
Union of South Africa	4,000	4,000	4,000	4,000	2,000	2,000	3,000	3,000	3,000	8,000
Fijl Islands	(ď)	_ (d)	(d)	(d)	(d)	(d)	(d)	(d)	(c)	(6)

YIELD (LBS)

					, -						-
Andemsu and Ki	cobar	79,000	63,000	(0)	(0)	(c) ·	(0)	(0)	(c)	(c)	(c)
Ceylon (e)	ĩ	180,438,000	20 8,122, 000	184,382,000	161,271,000	171,446,000	181,557,000	204,500,000	209,350,000	216,727,000	226,561,00
Formosa	•	37,688,000	85,059,000	21,867,000	23,282,000	25,610,000	⁻ 2 4, 797,000	27,288,000	26,5 25,000	26,261,000	25,080,00
Japan 🧠 .	•	88,739,000	85,781,000	79,582,000	74,067,000	77,222,000	79,007,000	78,709,000	84,305,000	79,698,000	81,326,000
Dutch East Indie	з.	(<i>f</i>) 70,095,000	(ð) 98,921,000	(8) 105,868,000	(8) 83,070,000	(5) 95,484,000	107,426,000	125,184,000	115,900,000	138,424,000	146,744,000
Meuritius .		66,000	44,000	44,000	(0)	33,000	(0)	(c)	(c)	(0)	35,000
Nyasaland .		633,000	669,000	527,000	414,000	622,000	999,000	1,117,000	1,157,000	1,268,000	1,233,000
Inion of South Ai	frica	1,599,000	1,407,000	1,271,000	912,000	572,000	798,000	877,000	1,044,000	1,034,000	991,000
iji Islands	-	51,000	48,000	27,000	24,000	16,000	(0)	18,000	10,000	(o) .	(c)
(a) Appr	orime	te data.	(b) Java	and Sumatre	(c)	Not available	e. / <i>3</i>)	Below 500 acr		ort figures.	

No. 20.—COMPARATIVE STATEMENT SHOWING REPORTED AREA AND YIEL OF CERTAIN PRINCIPAL CROPS IN FOREIGN COUNTRIES FROM 19 TO 1927—concld.

Coffee

Countries	- <u>-</u>			AREA	(ACRES)					
	1918-19	1919-20	1920-21	1931-22	1922-28	1923-24	192 4-2 ō	1928-26	1936-27	1927-1
Australia . ,	(£)	(£)	(\$)	(X)	(5)	(y)	(Z)	(X)	(S)	(d)
Brazil	(d)	(d)	(3)	(d)	5,418,000	6,020,000	8,164,000	6,022,000	6,131,000	, (d)
British Guiana	8,000	5,000	5,000	5,000	4,000	4,000	8,000	6,000	4,000	8, 1 2
Colombia	(d)	(d)	(d)	(d)	(d)	(d)	494,000	494,000	ē 43,000	(d) .
Costa Rica	(d)	(4)	(d)	(a)	65,000	(4)	(4)	172,000	(d)	(4)
Dutch East Indies (b)	(d)	324,000	339,000	312,000	313,000	302,000	287,000	286,300	290,000	261 18
Dutch Guiana	(d)	(d)	3,000	18,000	13,000	13,000	13,000	13,000	13,000	(4)
Federated Malay States	1,000	3,000	2,000	3,000	(d)	(d)	(4)	· (8)	(d)	(d)
French Central Africa	(3)	(d)	(d)	7,000	6,000	0,000	9,600	11,000	13,010	li v (
Guadeloupe	17,000	(d)	(4)	(d)	17,000	17,000	17,000	17,000	17,000	
Inatewala	166,000	151,000	148,000	191,000	209,000	161,000	214,000	231,000	199,000	107
Hawaii	(4)	(3)	(*)	· (d)	(d)	(d)	0,000	· (d)	(d)	(d)
ndo-China	(d)	11,000	20,000	20,000	(3)	(4)	15,000	18,000	26,000	16,9
amaica	20,000	23,000	20,000	20,000	17,000	19,000	18,000	20,000	22,000	18,00
dexico	(d)	(d)	(d)	125,000	125,000	(3)	136,000	136,0	(a)	(4)
Viceragua	(d)	(d)	(d)	(d)	(4)	(3)	(d)	(3)	(d)	(d)
Nyasaland	1,000	(£)	(£)	(f)	(5)	(f)	(S)	1,000	1,000	1,000
Paraguay	(4)	(d)	(2)	(5)	1,000	(X)	(n)	(d)	(d)	(d)
hllippines	(d)	2,000	3,000	2,000	2,000	2,000	2,000	2,000	2,000	(d)
orto-Rico	159,000	193,000	180,000	162,000	163,000	160,000	161,000	(d)	(d)	(d)
alvador	172,000	(d)	(d)	140,000	(2)	(d)	198,000	(d)	(4)	(d)
ganda	32,000	38,000	32,000	30,000	29,000	(a)	18,000	21,000	19,000	23,00
eneruela	(d)	250,000	(4)	(d)	(3)	(d)	(d)	(d)	(4)	(d)

YIELD (LBS)

ostralia	13,000	16,000	12,000	15,000	2,000	11,000	6,000	8,000	9,000	(4
razil	1,265,754,000	1,734,674,000	1,880,393,000	1,858,492,000	2,509,618,000	1,929,057,000	1,023,000,000	1,865 345,000	2,445,137,000	2,876,0
ritish Guiana (e) .	(d)	(d) (c)	(d) (c)	807,000	434,000	612,000	667,000	772,000	430,000	(6)
olembia (c)	198,000,000	190,584,000	309,558,000	232,911,000	272,008,000	372,007,000	292,400,000	258,969,000	823,961,000	. 334,40
osta Bica (e)	30,720,000	80,796,000	29,840,000	40,957,000	24,894,000	40,064,000	83,776,000	40,644,000	85,539,000	(4
ontch East Indies	111,823,000	123,947,000	100,901,000	78,728,000	241,095,000	162,166,000	174,460,000	215,250,000	65,752,000	138,74
outch Guiana	4,077,000	2,821,000	8,752,000	3,967,000	5,690,000	6,213,000	8,699,000	5,484,000	8,874,000	(4
ederated Malay States .	379,000	(d) (e)_	(d) (e)	(d)	(d)	(8)	(d)	(4)	(d)	(4
rench Central Africa .	(e) 97,000	(c) 87,000	(e) 164,000	(d) (e) 228,000	(c) 249,000	299,000	257,000	264,000	374,000	26
luadeloupe (c)	1,131,000	1,786,000	1,471,000	1,101,000	1,178,000	1,670,000	2,153,000	1,305,000	(d)	8,9
inatemala	106,612,000	98,661,000	53,800,000	106,836,000	72,060,000	80,960,000	83,476,000	97,145,000	94,402,000	(4
lawaii	(d)	19,842,000(a)	(d)	(d)	(d) ·	4,985,000	4,955,000	2,673,000	8,010,000	(
ndo-China	(3)	2,700,000	(4)	(d)	(d)	(d)	3,619,000	1,848,000	1,760,000	1,6
Jamaios (a)	8,229,000	4,612,000	7,218,000	7,006,000	8,616,000	\$,609,000	11,625,000	7,423,000	9,153,000	
Lexico	(d)	(d) (e)	75,733,000	89,657,000	87,970,000	89,100,000	61,358,000	60,168,000	(d)	1
Nicaragua	(c) \$3,616,000	(e) 15,313,000	(e) 29,876,000	(e) 19,523,000	29,942,000	39,504,000	23,809,000	88,878,000	25,100,000	(
Nyamland	133,000	39,000	49,000	18,000	92,000	110,000	38,000	48,000	102,000	
Paraguay	(d)	(d)	191,000	203,000	228,000	203,000	(d)	(d)	(d)	,
hilippines	1,578,000		2,837,000	2.528.000	2,543,000	2,582,000	2,592,000	2,656,000	2,662,000	
Porto-Rico	(e) 27,839,000	(c)	(e) 49,865,000	(e) 44,905,000	(e) 43,339,000	(c) 22,066,000	25,945,000			23,
Salvador	84,616,000	1	(e) 62,287,000	94,773,000	(c) 105,587,000	(0)	1 ' '	23,731,000 (a) 101,200,000	27,941,000	119,
Jganda (c)	6,590,000		5,460,000	5,729,000	5,071,000	118,360,000	(4)94,778,000	4	(e)66,000,000	4,0
enesuela (c).	179,415,000	73,873,000	121,711,000	142,949,000	1	4,575,000	4,593,000	3,840,000	3,712,000] [
		. 5,670,000	121,711,000	152,959,000	114,592,000	102,163,000	120,020,000	118,007,000	133,660,000	· `

APPENDIX I

METHOD OF FRAMING ESTIMATES OF CROPS.

There are three factors necessary for framing an estimate of outturn, namely, the area, the standard normal outturn per acre, and the fraction representing the relation of the crop reported on to the normal crop per acre.

As regards area, there exists in the villages of most provinces an agency capable of reporting the acreage of crops with great accuracy, wherever the fields have been mapped and surveyed. The tracts, for which statistics are ordinarily not obtainable, are yearly diminishing in surveyed. The tracts, for which statistics are ordinarily not obtainable, are yearly diminishing in extent; but owing to the absence of maps or the non-existence of trained village establishments they still represent a considerable aggregate area. These tracts consist chiefly of permanently settled estates, lands held on privileged tenure, and unsurveyed areas. For these tracts, the acreage as well as the outturn cannot be more than a rough estimate. Such estates of areas, once framed, are liable to become stereotyped and repeated year after year without regard to the influence of exceptional seasons or changes in the economic condition of the tracts. In order to prevent this, provision has been made for the annual revision of these estimates by careful comparison with the conditions prevailing in those adjoining areas of a similar character for which accurate information is available, and by means of such special enquiries as may be possible.

In dealing with the calculation of the areas under crops, two other matters demand consideration, namely, (1) whether the area returned should be the area sown or that successfully cropped, and (2) whether, when the forecast crop is sown mixed with other crops, it is preferable that the total area covered by the mixed crops should be exhibited, or that such area only should be shown as is estimated to represent the acreage covered by the forecast crop only. As regards (1), the general rule is that the returns should exhibit the areas actually sown whether the crop comes to maturity or not, the principle underlying this rule being that the failure of crop should affect not its area but its outturn. An exception to this rule is, however, made when fields, owing to the failure of the first sowings, have been devoted to other crops. In this case the area first sown with the forecast crop may be omitted. As to (2), the areas covered by the several crops in a mixed field are estimated in various ways in the different provinces, and the estimates are based on formulæ prescribed by the provincial authorities in individual cases, as it has not been found practicable to prescribe one uniform method of calculation. For purposes of the forecasts, the area to be returned must be the area covered by the forecast crop, exclusive of the area covered by the other crops with which it is mixed.

Next with regard to the standard normal outturn. A normal crop may be defined as "that crop which past experience has shown to be the most generally recurring crop in a series of years; the typical crop of the local area; the crop which the cultivator has a right (as it were) to expect, and with which he is (or should be) content, while if he gets more he has reason to rejoice, and if less he has reason to complain;" or in other words, it is the "figure which in existing circumstances might be expected to be attained in the year if the rainfall and season were of a character ordinary for the tract under consideration, that is, neither very favourable nor the reverse." Briefly, it is stated to be "the average yield on average soil in a year of average character". This normal or average yield will not necessarily correspond with the average of a series of years figures, which is an arithmetical average. The Agricultural Department in each province maintains a statement of the normal or average yield per acre of land of average quality (under the two major heads of irrigated and unirrigated land) for the several crops in each district. In order to test the accuracy of these standards of normal or average yield and to revise them, if necessary, a system of crop-cutting experiments is in force in almost all the provinces. Under this system plots of land of average quality are selected and the crops grown on them are cut and weighed in the presence of responsible officers of the District staff or of the provincial Agricultural Department. These experiments have to be carried out every year in respect of all the principal crops, and in accordance with rules specially framed by the several provincial Agricultural Department. These experiments have to be carried out every year in respect of all the principal crops, and in accordance with rules specially framed by the several provincial Agricultural Department, who, on a careful scrutiny of all the reports received by him and after such further investigations as he may d

The third factor—the fraction representing the relation of the crop reported on to the normal crop per acre—is what is known as the "anna estimate" or the "percentage estimate." In many parts of India the cultivators estimate the crop outturn in annas or sixteenths, as there are sixteen annas in a rupee. They take a certain number of annas to represent the normal outturn and estimate the outturn of the year of report as so many annas higher or lower than the normal. But in some tracts sixteen annas express a bumper crop, while in others the same term expresses a normal crop, and the number of annas taken to represent a normal outturn varies between 12 and 16. Consequently the anna estimate of one tract is not always amenable to comparison or combination with that of another tract. The percentage estimate is the American system under which 100 is taken to denote a normal crop and the estimated outturn of the year of report is stated as a percentage of that crop. In 1897 a question arose as to whether the anna notation or the American notation should be used in making crop estimates, and it was strongly urged upon the Government of India that as the cultivators and

village officers entrusted with the duty of collecting data for crop reports were mostly accustomed to the Indian system, i.e., the anna notation, the adoption of any other system would tend to confuse the estimate. Local Governments and Administrations were, therefore, permitted to adopt such scale of notation as might be suited to local conditions, the object being to secure that the returns should be in terms of a normal crop. But since the anna standard thus adopted would not possess any fixed or uniform value, it was laid down that in published forecasts the anna notation should not be used, the American notation being used in its stead, i.e., 100 being taken to represent a normal crop and the estimated outturn being stated as a percentage of that crop, and the conversion of the anna estimate into the percentage estimate being made either by the District Officer or by the provincial authorities.

When these three factors have been determined, they are multiplied with each other to arrive at the required quantitative estimate of outturn. Thus, if the area be 60,000 acres, the standard of normal outturn 500 lbs per acre, and the percentage estimate 80, the required quantitative estimate would be $60,000 \times 500 \times \frac{80}{100} = 24,000,000$ lbs.

APPENDIX II

METHODS OF COLLECTING THE STATISTICS PROVINCE BY PROVINCE.

In the Madras Presidency, the estimates relate to all the districts in which the respective Madras crops are grown. Approximately two-thirds of the cultivated land in the Presidency are (Total cultivated area Government or raiyatwari land, and have been carefully surveyed. All the village officers therein are appointed and controlled by Government officials. In the ordinary course of his work the village accountant sends every month to the Revenue Inspector (the officer in charge of a group of villages varying in number) a detailed statement of the sowings in his village. For those crops for which forecasts are prepared, the Revenue Inspector, who is himself a touring officer, reports to his takeildar* the area in his range under those crops, with his estimates of the average yield expressed in so many annas of the normal crop, when outturns are required. The tahsildar consolidates all these figures and reports the total direct to the Director of Agriculture with, in the case of outturn, his estimated yield (also expressed in annas of the normal). The remaining third of the Presidency is zamindari (consisting of large proprietary estates), of which only a part has been accurately surveyed, and for which somewhat similar returns are prepared and dealt with accordingly. In other cases where some sort of account is maintained in zamindari and whole inam** villages, the tahsildar or Deputy tahsildar estimates the area and yield, as well as he can, from his own knowledge and from reports of the estate officials. The figures for these areas are included but shown separately under estimates in the reports sent by the tahsildar to the Director of Agriculture. In the remaining cases, where estates have not been surveyed and where no sort of account is maintained at all the estimating is done in the office of the Director of Agriculture with references. tained at all, the estimating is done in the office of the Director of Agriculture with reference to previous year's final audited figures, the character of the season, and the figures of neighbouring Government areas. The States of Pudukkottai and Banganapalle send similar reports direct to the Director for cotton only. No other State in the Presidency prepares any crop forecast. Thus, for each forecast return, separate reports (242 for cotton and 240 for other crops) are received in the Director's office, where they are scrutinized and tabulated. accurate figures of areas cultivated are obtainable at the end of the year after all the village accounts have been checked. These figures are published later in the provincial Season and Crop Report. The figures reported by tahsildars in their final forecasts are checked by a comparison with the forecast reports and the Season and Crop Reports for previous years, and thus an attempt is made to rectify obviously inaccurate reporting. Standard rates of outturn have been determined for each crop on a consideration of the latest crop-cutting experiments, of the results on the Government farms, of the local knowledge of the Director of Agriculture and his staff in comparing the yields from adjoining districts, and of the results of a comparison of the figures of yield with the figures of net export and the estimate of consumption. The Director checks the rate of yield reported by takelidars by setimates of consumption. The Director checks the rate of yield reported by tahsildars by estimates received from his subordinate officers and from non-officials interested in a particular crop.

The estimates for the Bombay Presidency include all British districts and States where Bombay and Sind the respective crops are grown to any extent. In the British districts of the Presidency (Total cultivated proper, the area under different crops is ascertained in the first instance by village officers and acres \$1,794,000 acres recorded in village returns, which are checked by circle inspectors and other revenue officers, and compiled by the former for their circles and then for the taluka.† The taluka figures are totalled up for each district in the office of the Director of Agriculture of the province. For Sind, this work is done by local officers, and the Director receives district-by-district figures. The information received is for villages for which regular statistics are available, the proportion of reporting area being 91.4 per cent in the Presidency proper and 99.6 per cent in Sind. From 1909-10, however, estimates for the non-reporting areas have been made so far as possible and included in the table. In the case of Indian States the acreage is estimated on the best local data available. The approximate numerical strength of the reporting agency is 188 in the Presidency proper, 60 in Sind, and 26 in the Indian States. Local estimates is 188 in the Presidency proper, 60 in Sind, and 26 in the Indian States. Local estimates of crop condition are converted to quantitative figures on the basis of a formula showing the average yield of crops. This formula is revised every five years, the revision being based on the ascertainment of actual yield in different parts of the Presidency by careful local enquiry by officers of the provincial Agricultural Department. The unit of area in the formula is the district, and irrigated and unirrigated crops are separately dealt with. Each year's estimate of the condition of crops is prepared by the mambatdars; (or makalkaris) where the taluka is sub-divided) from notes which they make and from reports from village accountants and Circle Inspectors. The estimate is sent direct to the Director of Agriculture, who, in the light of the general prospects of the season, makes the quantitative calculations. For Indian States condition estimates are obtained, and the formulæ for adjoining British districts are applied. districts are applied.

The estimates for Bengal relate to all the districts of the Presidency where the respective Bengal erops are grown. In the absence of any revenue agency in the province, the figures are (Total cultivated based mainly on rough approximate estimates made by District Officers, and are more or less area 23,044,000 conjectural. The District Officers obtain information from the Sub-Divisional Officers through the agency of the Police or the Circle Officers where appointed as a permanent

arca 81,794,000

Note.—The cultivated area shown in the margin represents the average net are; actually sown with all stops in each province during the three years ending 1927-28.

A sub-divisional officer.

Entire villages granted rent-free.

A sub-division of a district under the management of a tahsildar.

The chief revenue and police officer in charge of a taluka.

A revenue or police officer in charge of a sub-division of a taluka.

measure. The quantitative estimates of yield formerly given in the forecasts were based on standards provisionally adopted. The standards have now been revised on the basis of the results obtained from crop-cutting experiments conducted over a series of areas and seasons.

United Provinces

The estimates prepared by the United Provinces include all the districts of the province (Total cultivated area except Almora and Garhwal for which the required particulars are not available as no regular 34,034,000 acres)

willoge represent the following the foll village papers are kept up by patwaris (village accountants) in these two districts. The area is taken from the crop statements based on field-to-field inspections, which are compiled by patuaris and checked by higher revenue officers. The estimates of the standard yield are based on the results ascertained from crop-cutting experiments conducted annually in selected districts. The standards, which are different for irrigated and unirrigated crops, are revised every five years on a consideration of the results of the crop-cutting experiments, and are applied to the condition of the crops reported by District Officers and selected landholders whose number exceeds six hundred.

Punish

The estimates for the Punjab relate to all the British districts in which the respective (Total cultivated area crops are grown. As regards Indian States of the province, reports on wheat and cotton 26.157,000 acres) are furnished by all the States in which these two grown are grown to any considerable extent are furnished by all the States in which these two crops are grown to any considerable extent. No estimates for any other crop are prepared by any State. The figures of area for all the British districts up to 1912-18 were based on actual measurements by the village revenue staff. Estimates of vield were recorded by District Officers after personal enquiry from taheildare and leading agriculturists. The total number of agriculturists consulted by the District Officers and takeildare amounts to several thousands. From 1913-14, however, this method is followed only in districts in which the respective crops are grown to a considerable extent. For other districts the provincial Director of Agriculture prepares conventional forecasts based on the actual average area figures for the previous five years and an assumed average outturn as determined by him to meet the character of the harvest.

Barma The estimates for Burma relate to all the districts of the province in which the respective (Total cultivated area crops reported on are grown. The figures for the districts in which the crops are grown to a considerable extent are based on regular reports. considerable extent are based on regular reports, furnished by District Officers, while those for the remaining districts are based on rough estimates prepared by the Commissioner of Settlements and Land Records. For the districts from which regular reports are received, the figures of area are obtained from the assessment rolls prepared by revenue surveyors. The original information about the yield is obtained from township officers, inspectors of Land Records, and from the more important of the Land Revenue subordinate officers. In this way the estimate of each district is based on the information furnished by some thirty or more persons. The figures of both area and yield are tabulated by the Superintendent of Land Records and checked by the District Officers. The Commissioner of Settlements and Land Records compares the estimated yield with a standard representing the normal yield, which was fixed after an extensive series of experimental crop-cuttings by Settlement Officers.

Bihar and Orissa

The estimates for Bihar and Orissa relate to all the districts of the province where the (Total cultivated area respective crops are grown. Survey and Settlement operations have been completed in all 24,754,000 acres)

the districts area of the settlement forum serve as a check on the estimates the districts except one, in which the settlement figures serve as a check on the estimates of acreage based on the information furnished by the police. In the absence of any revenue agency in the province, the figures are based mainly on rough approximate estimates made by District Officers, and are more or less conjectural. The District Officers obtain information from the Sub-Divisional Officers through the agency of the police. In the Sambalpur district according to the revised system of triennial maintenance of records only one-third of the villages of the district is inspected by the patwaris and Revenue Inspectors from field to field and no exact crop statistics are maintained. The statistics are prepared on receipt of information from the Revenue Inspectors who in their turn supply such information from personal experience and enquiry from people of other villages of their circle where maintenance operation is not due for the year. The system of making crop-cutting tests, as in other provinces, over a series of areas and seasons for the ascertainment of standards of yield has been in force in the districts of this province for some thirty-one years, but has been shown to be seriously defective and is under revision. The estimates, therefore, of yield shown to be seriously defective and is under revision. The estimates, therefore, of yield given in the forecasts are based on standards adopted provisionally by the provincial Department of Agriculture on the basis of information obtained from other sources.

Central Provinces and Berar (Total cultivated area 24,844,000 scres)

The estimates for the Central Provinces and Berar relate to all the British districts of the province in which the respective crops reported on are grown. As regards Indian States of the province, reports on wheat, rice, and linseed only are furnished by three to seven States. No information is available from the other States. The figures of acreage for cotton, sesamum, rice, and sugarcane are estimates based on reports furnished by the local officials of the Land Records staff. The figures for wheat and linseed represent the actual areas sown with these crops as disclosed by field-to-field inspection by patwaris.* The reporting agency consists of 377 Revenue Inspectors with, on an average, 17 patwaris working under each inspector. Each taksil † has usually 4 Revenue Inspectors. Standards of outturn were framed for each crop from the results of crop-cutting experiments on selected fields under the supervision of responsible and selected officials during the years 1884-85 to 1887-88. These standards have been revised from time to time on the basis of the results of crop-cutting experiments since made. In the year 1920-21 the substitution of anna estimates for American notation was introduced in accordance with the wishes of the Board of Agriculture, who, in 1919, decided that it would be better to abandon all attempts to impress on the reporting agency what is meant by the expression "normal crop", and secondly, that the use of American notation in which 100 is meant to signify a normal crop should be discontinued. The Board considered that in the long run better statistics would be obtained if the reporting agency

were allowed to follow its traditional method of reporting the crop in the anna notation. All deductions based on the standards are made by the provincial Director of Land Records from the year's figures furnished by the District Officers who are supposed to bear in mind the standards when estimating the yield of the season.

The estimates for Assam relate to all the districts in which the respective crops reported Assam on are grown to any extent. For all districts the information is received from District Officers. (Total cultivated on are grown to any extent. The areas of crops except cotton and tea are collected by the Land Records staff for the the areas of crops catched and the plains portion of Garo Hills and those for the hills temporarily settled plains districts and the plains portion of Garo Hills and those for the hills are based on estimates revised quinquennially by the District Officers except in the case of are based on estimates revised quinquennially by the District Officers except in the case of forecast crops for which estimates have to be made annually. In the permanently-settled forecast crops for which estimates have to be made annually. In the permanently-settled tracts of Sylhet and Goalpara the areas of jute are reported by the village chonkidari panchayats. For other crops except cotton and tea the areas are estimated in Sylhet by the Deputy Commissioner on the basis of the population figures and the surveyed areas of the Deputy Commissioner on the basis of the population figures and the surveyed areas of the temporarily-settled parts of the district; in Goalpara they are obtained from zamindars. Tea statistics in all districts are supplied by the tea garden managers and proprietors. The areas of cotton are obtained in Cachar from patwaris for the plains sub-divisions and for the North Cachar Hills estimate is made by the Sub-Divisional Officer; in Sylhet information is obtained from the Collector of dao tax, in the Garo Hills from hill mauzadars, in Nowgong from the supervisor kanungo of hills sub-circle, in Sibsagar and Goalpara from mandals or other village officers, in Khasi and Jaintia Hills from dolois and Gradars, and in the Naga and Lushai Hills from intelligent chiefs. The figures are checked sirdars, and in the Naga and Lushai hills from intelligent chiefs. only in the temporarily-settled tracts by the circle Sub-Deputy Collectors; in the permanently-

only in the temporarily-settled tracts by the circle Sub-Deputy Collectors; in the permanentysettled districts of Sylhet and Goalpara there is no real check at all. The estimates ofsettled districts of Sylhet and Goalpara there is no real check at all. The estimates ofoutturn are based on the normal yield obtained from the results of crop-cutting experiments.

The estimates for the North-West Frontier Province relate to all the districts of the province in which the respective crops reported on are grown, including the Tochi agency in the case
of sugarcane and both Tochi and Kurram agencies in the case of wheat and cotton. The figures (Total cultivated area

2,206,000 acres) of area are based on actual measurements made by the patwaris in their field-to-field inspection at each harvest. They are further checked by higher revenue officers. The estimates of the standard yield are based principally on data derived from a large number of crop-cutting experiments made during the progress of settlement operations. They were framed for each assessment circle, which is the unit of area, and separately for lands irrigated by canals, by wells for allowed for lands entirely dependent on raise. wells, for alluvial (sailab) lands, and for lands entirely dependent on rain. The standards are applied to the estimates of condition of crops received from the District Officers, who frame their estimates in consultation with local agriculturists. The exact number of agriculturists consulted by the District Officers is not available, but it must necessarily be several hundreds.

The estimates for Ajmer-Merwara relate to the whole of the district. So far as khalsa,* Ajmer-Merwara jagir,† and minor istimrarit villages are concerned, the patvari is responsible for making (Total cultivated area field-to-field inspections of every village in his circle at each harvest. These inspections 337,000 acres) commence on 1st September for the autumn harvest and on 1st February for the spring harvest. The patvari notes down the results of his local inquiries and inspections in his field book. A certain percentage of the entries made by the patwari is checked and corrected, when necessary, by the girdawar or kanungo, who also inspects the crops at each harvest. The takeil officers further test a certain number of entries, and the Sub-Divisional Officer also makes a general inspection of crops at each harvest. As soon as the inspection of the harvest is complete, an abstract statement of area and outturn is compiled separately for each girdawar's circle and tahsil, and these statements are then consolidated for the three sub-divisions in the district office. An assumed normal outturn per acre for each crop has been fixed at settlement. Crop estimates are annually made by the revenue officers and the results recorded. These sets of figures give a useful check on the outturn estimates made by the patwaris. The exact area sown in the sub-divisions is obtained from the abstract statements. In the large istimrari estates the preparation of the field books is done by the estate officials. These field books contain fairly accurate information in regard to wheat, the outturn of which in maunds is generally appraised for the purpose of payment of the cultivators' rent; but as regards cotton and sesamum the figures are conjectural, as no crop-cutting experiments are made, the rents being charged in cash. The Government agency does not supervise the collection of figures in large istimrari estates.

The estimates for rice furnished by Coorg are based on the results of annual crop Coorg inspections and experiments. Crop inspections are made by each shanbog for his circle under (Total cultivated the supervision of the parpattigar || and the detailed particulars entered in the crop inspection registers and summarised in the crop abstracts, the totals of which are compiled in the office of the Deputy Director, Land Records and Agriculture. About 30 crop experiments are conducted annually by subordinates of the Revenue Department and subedars** (tahsildars) and also a few by the Deputy Director of Land Records and Agriculture, in whose office the estimates of yield, given in the forecast, are calculated on the basis of the average for the

province.

The estimates for the Delhi province relate to all villages included within the province. Delhi The figures of area are based on actual measurements by the village revenue staff. Esti- (Total cultivated mates of yield are recorded by the tahsildar after personal enquiry from the leading agri- area 215,000 culturists. No crop-cutting experiments are conducted in the province.

^{*} Khalsa villages are those which pay full revenue to Government.
† Land granted revenue-free on condition of military service or as a charitable endowment.

I A tenure which, though the revenue is assigned, is charged with a permanently fixed quit rest.

§ Circle inspector.

¶ Village accountant. Village accountant.

A revenue officer in charge of a sub-division of a taluk. Revenue officer in charge of a taluk.

Hyderabad (Total cultivated area 28,760,000 acres)

The estimates for the Hyderabad State relate to all the districts of the State including non-Government area, such as jagirs, etc. Raiyatwari tenure prevails in the State and with the exception of some parts of a few districts, the area is surveyed and settled. Patwaris or village accountants, who are hereditary office-bearers, furnish to the taluq office figures regarding area under principal crops. The tahsildars who are touring officers check these figures by a field-to-field inspection during their tours and send reports of their talugs to the District Collector or first talugdar as he is called in the State. The figures for each district after being consolidated in the District office are sent to the Director of Statistics of the State who finally checks and consolidates them. The estimates of standard yields of crops are based generally on conjectures, which are generally misleading. As a result, the reported outturn is generally low. Instructions were issued by the authorities of the State for conducting crop-cutting experiments. But the experiments were not carried out so extensively as to furnish any reliable data for fixing normal yields per acre. Sixteen annas represent a normal crop.

Mysore (Total cultivated area 6,448,000 acres)

The estimates furnished by the Mysore State relate to all the districts of the State in which the respective crops are grown. As regards area the information is based on the entries made by the shanbog (village accountant) in his crop-inspection book and checked by the higher revenue officers. The outturn is noted by the shanbog in terms of annas (16 annas being taken for a normal or 100 per cent crop) from which the total yield is determined by reference to the standard normal outturn per acre fixed for each taluk. The figures are finally scrutinized and consolidated in the Revenue Commissioner's office.

Baroda (Total area 3,104,000

The figures are furnished to the Director of Agriculture by the Revenue Heads of each cultivated taluka (Vahivatdar). These are prepared in villages by the village clerks (Talatis) from the form recording crops grown in every survey number. These entries are checked by the inspecting officers. The outturn is usually returned as so many arnas in the rupee and also as so many lbs. of 40 tolas per bigha. The crop returns are finally consolidated and checked in the office of the Director of Assistance With record to the original respective. in the office of the Director of Agriculture. With regard to the standard yields per acre, these are not yet separately ascertained as pertaining to Baroda territories. Whenever a reference to these becomes necessary, those ascertained for the contiguous British territory, with which Baroda territory is closely interlaced, are utilised.

Gwalior area 4,236,000 acres)

The figures of acreage for cotton and wheat furnished by the State relate to all the districts cultiveted together with jagirs. The figures for wheat and cotton refer to the actual area sown as disclosed by field-to-field inspection by patwaris in khalsa villages after verification. Girdawar quanungoes report the figures of the respective circles to taksils, from taksils they are reported to the Director, Land Records, through the subah of each district.

During the years 1919-20 to 1923-24, the standard of outturn for each crop was fixed

through responsible and selected Revenue Officers according to the results of the crop-cutting experiments.

The standard is the basis for framing an estimate of yield for each crop, each year, with such medification as seems necessary according to the condition of the weather and the standing crop.

Central India.

In the Central India States, estimates are framed for wheat and cotton. The methods differ with the different States. In most States the acreage returns are prepared by tahsils from the field measurements of the patwaris and then compiled for the whole State. In some cases the outturn estimates are similarly compiled after check on the spot by the higher revenue officials in consultation with the cultivators; in others they are merely an approximation from the acreage figures; in a few States fields are selected in the different circles as bearing an average yield, the crop is cut and weighed, the outturn for the circle is calculated from the result, and the totals of the circles form the return for the State.

Raiputana.

The estimates for wheat and cotton furnished by the States in Rajputana are generally defective in consequence of the absence of figures for unsurveyed areas and privileged tenures in many cases.

APPENDIX III

SUMMARY OF THE SEASONAL OR OTHER CONDITIONS AFFECTING PRICES OF FOOD-GRAINS, ETC., IN EACH QUINQUENN(UM FROM 1861-65.

A general rise of prices took place about 1860. With the suppression of the Mutiny and the transfer of the administration to the Crown, there commenced a new err of commercial and industrial activity. The resources of the country were developed by the construction of roads and railways, the improvement of harbours and the extension of irrigation. The cotton famine caused by the American War of Secession (1861—65) gave a great impetus to the cultivation of cotton in India, which, while the war lasted, brought large profits to the cultivator and the merchant. The influx of the precious metals which had begun about the time of the Mutiny was thus further stimulated, and from about the second year of the war a great rise of prices took place throughout the cotton-growing districts of western and central India, as also in a smaller degree in other parts of the country. Prices were also raised by the famine of 1861 in the Upper Doab of the province of Agra and the neighbouring districts of the Punjab and Rajputana and by the secreity in Cutch.

On the collapse of the inflation caused by the American War, prices would have fallen but for the great famine of 1866 in Orissa, which extended into Bengal proper, Bihar, Madras, and the eastern part of the Central Provinces. Another notable famine—that of 1869—affected western Rajputana and parts of northern India, and the extension of scarcity, towards the west and south, produced a rise of prices in Bombay, the Central Provinces, and Hyderabad.

During 1871—75 prices were not seriously disturbed by any calamity except the scarcity in Bihar of 1874 and although large purchases of grain were then made by the Government and scarcity prevailed in the adjoining districts of the United Provinces, the disturbance of prices was not widely felt. The export trade in rice expanded greatly in 1872-73, and was on a large scale throughout the decade 1871—80. It showed greater contraction in 1874, the year of the Bihar famine than in the Deccan famine three years later.

In this quinquennium occurred the great famine of 1877-78, which affected an enormous tract in western and southern India and extended with diminished intensity into the north, causing a general rise of prices of food-grains all ever India. The export trade in wheat, which had begun in a small way after the opening of the Suez Canal in 1870, received a check in the years 1878—80.

Speaking generally, all crops except rice were good or abundant during these years, though there was scarcity in a portion of the Punjab in 1884 and distress in parts of Bengal and Madras in 1885. The rice crop was bad between 1883 and 1885 owing to drought and affoods, but wheat was plentiful, and the average price for all grains was low.

It is difficult to find adequate reasons for the great rise in prices which took place during these five years,

1886—90 for the 1889 famine in Ganjam (accompanied by distress in Orissa
and scarcity in Bihar) was only of local importance, and prices
had already reached sheir highest point in 1888. The export trade in food-grains was not larger than in the
preceding quinquennium.

The high prices ruling during 1886—90 were still further raised in 1891-92 by prolonged drought causing scarcity and distress in Madras, Bombay, the Deccan, Bihar, and Upper Burma. A strong Indian demand for rice was coupled with large exports, and at the same time there was an unprecedented exportation of wheat owing to the failure of crops in Europe, so that Indian prices rose almost to famine levels. With better seasons prices fell, but the lowest point reached in 1891—95 was still above the average level of the previous quinquennium; and, as in that period, the importation of silver for coinage continued on a large scale until the closure of the mints in June, 1893.

This quinquennium witnessed two distinct famines. The first one occurred in the latter part of 1896 and 1898—1900 extended into 1897; and the second occurred in the latter half of 1899 and continued, like the previous one, through the ensuing year. These famines bere a close resemblance to each other in this that they were more or less equally intense and equally widespread. The fall in prices associated with the closing year of the preceding quinquennium was thus one of short duration. In September, 1896, a sudden rise took place in the prices of food-grains. In November, famine prices were declared in northern and central India, and soon after they became general. The autumn harvest of 1897 relieved the tension somewhat, and the bumper crops of 1898 saw prices assume a relatively low level. But this improvement was again not sustained, for the complete failure of the south-west monsoon in 1899 followed by poor winter trains re-induced famine prices in the following year. The monsoon of 1900 was more favourable than its predecessor; still it was not of such a character as to efface altogether the ill-effects of the previous season of drought.

There was no very marked return to ordinary price levels in 1901 and 1902 as the weather conditions

were generally not favourable, except perhaps for rice. But in the next two
years, and particularly in 1904, agricultural conditions were distinctly
good, especially in the case of the wheat crop. There was in these two years a corresponding improvement
in prices of food-grains, especially of rice and wheat; but a set-back was experienced in 1905. The
seasonal conditions of that year were marred by a partial failure of the monsoon in northern and western
India and by heavy rain and floods in Rengal and Eastern Bengal. A sharp and rapid rise in the prices of
articles of Indian produce, especially food-grains, began in 1905.

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The rise was sustained in 1906 as the spring crops of that year, except wheat, were generally not good and the autumn crops were damaged more or less by excessive rain and floods, particularly in Bengal and Eastern Bengal. Agricultural prospects were to a certain extent improved by the good winter rains which, though late, saved a part of the spring harvest of 1907 in northern India. But as unfavourable conditions prevailed in other parts of the country, particularly in Bengal, prices remained unaffected; and when the failure of the south-west monsoon occurred famine conditions declared themselves over a large area. The wheat and oilseeds harvests of 1908 were very poor owing to deficient and badly distributed rainfall. Neither were the autumn crops good. The rise of prices was accentuated in 1907 and 1908 by the widespread failure of the crops in northern India. The wheat crop of 1909 showed an advance on the previous year, though the winter rains were generally deficient and the untimely rain in April damaged a quantity of the grain on the threshing floor in parts where the crop was reaped early. The monsoon was exceptionally favourable, and there was a considerable increase in the total outturn of the staple crops. There was a phenomenal rice crop in Burma and the two Bengals, the extended cultivation in the latter having been stimulated by low prices of jute. As a result there was a general decline in prices in 1909. The timely and well-distributed winter rains brought fine crops good. Prices continued to fall; but in the case of rice a strong demand from China operated to keep the rates at the level of the previous year, particularly in Burma.

The spring crops of 1911 were on the whole good, though frost and rust affected them in parts of northern and western India, and prices continued to fall. The monsoon of that year, however, was not very favourable particularly in northern and western India where the autumn crops suffered more or less from drought, and prices of rice showed an upward tendency accentuated by strong export demand. The spring crops of 1912 suffered through drought in western and in parts of northern India and prices rose; and although the monsoon of that year was not on the whole unfavourable, the strong export demand maintained the prices of rice at a high level. The rise in prices continued in 1913 and the spring crops of that year were affected adversely by deficient rains in the Punjab and in the western parts of the United Provinces and in the Bombay Presidency. The monsoon of the whole was not very satisfactory. In 1914, the spring crops suffered through drought in many districts in northern and western India, chiefly in the United Provinces, Rajputana, and Sind. The monsoon was on the whole favourable for the autumn crops, except in parts of northern and western India where heavy rains in September were injurious to the cotton crop. The winter rice crop was adversely affected by deficient rainfall during the months of September, October, and November in Bengal, Bihar and Orissa, Burma, and the United Provinces; elsewhere conditions were favourable. The spring crops of 1915 were good, except in parts of Bangal, Bihar and Orissa, and the eastern districts of the United Provinces, where the crops were affected by drought. The monsoon of 1915, however, was not very favourable. It arrived late and was weak and irregular in parts of the Bombay Presidency and of the Punjab; the rainfall in the north-eastern, central and southern India, on the other hand, was good. Excessive rain, however, caused serious floods in Assam and in parts of Bengal and the United Provinces.

The spring crops of 1916, except linseed, were seriously affected by the failure of winter rains, especially in the unirrigated tracts. The monsoon of 1916 was particularly good: in the unirrigated tracts. The monsoon of 1916 was particularly good: in the unirrigated tracts. The monsoon of 1916 was particularly good: in the unirrigated tracts. The monsoon of 1917 gave abundant rainfall throughout the distribution being remarkably uniform. The heavy and continuous rains adversely affected the growth of some of the autumn crops, such as cotton and indigo, but provided a good seed-bed for those crops that are harvested in the spring. Some of the latter crops, especially winter oilseeds, suffered somewhat through the holding-off of the winter rains. The monsoon rains of 1918 began earlier than usual but were very weak over nearly the whole country outside of Burma and north-east India. The winter rainfall was greatly defective. These adverse climatic conditions affected both the autumn and the spring crops. The monsoon of 1919 gave a rainfall above the average, though it retreated from northern India earlier than usual. The season was, on the whole, favourable and a crop larger than that of the previous year was harvested, except in the case of indigo. The spring crops were affected in places by hail, frost, rust and winds. The monsoon of 1920 started well but ended badly. The rainfall during the year was in defect over most of the country, the only exceptions being south Madras and parts of north-east India. As a consequence a smaller yield than that of the preceding year was obtained for nearly all the crops.

The spring crops of 1921 were affected by drought and hot winds. The monsoon of that year began normally and gave generally good rain in all the provinces. The season was favourable to the kharif (autumn) crops which yielded a much better outturn than in the preceding season. The spring crops of 1922 gave a good outturn. The monsoon of that year gave generally normal rain in central and north-western India. The season was favourable to the kharif (autumn) crops also which gave a good yield. In 1923 also the spring crops yielded a satisfactory outturn. The monsoon of that year though late in appearance gave fairly well-distributed rain over the greater part of the country except in Sind, Gujarat and parts of Madras. The yield of the autumn crops was however not as satisfactory as in the previous year. The spring crops of 1924 yielded less than in the previous season. The monsoon of that year was late in establishing itself, particularly in north-west India, but the rainfail was slightly above the normal and fairly well-distributed over most of the country. The season was fairly good for the autumn crops. In 1925, the spring crops were affected to some extent by frost, hail, rust and high winds and gave only a fair outturn. The monsoon of that year, though not uniformly satisfactory, was on the whole favourable. The season was fairly favourable to the autumn crops.

The spring crops of 1926 were affected by defective winter rains and gave only a moderate outturn. The monsoon rainfall of that year was a little above the normal. Seasonal conditions were, on the whole, fairly good for the autumn crops. The spring crops of 1927 gave on the whole a good outturn. The monsoon rains of that year were, on the whole, normal and the season was favourable for the autumn crops. In 1928, the condition of the spring crops was unsatisfactory but the autumn crops of that year gave generally good yields.

APPENDIX IV

DATES ON OR ABOUT WHICH THE ALL-INDIA FORECASTS OF CROPS ARE ISSUED IN THE INDIAN TRADE JOURNAL BY THE DEPARTMENT OF COMMERCIAL INTELLIGENCE AND STATISTICS, INDIA.

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APPENDIX V

SEASONS OF SOWING AND HARVESTING OF THE CROPS AND THE TRACTS WHERE THEY ARE MAINLY GROWN

	SEA	30 % of	WHERE HAINLY GROWS			
CROP	Sowing	Harvesting	British Provinces	ludian States		
Rice— Winter (a)	May to August	December and January	Benzal, Madras, Bombay including	Mysore, Madras State		
Astumn	May and June	September	Sind, United Provinces, Bihar and Orissa, Punjab, Burms,	Central India State Punjab States, Kashin		
Summer	January and February	May and June	Central Provinces and Berar, Assam, North-West Frontier Province and Coorg.	Hyderabod, Baroda, Bass States, Central Princes States and Unit		
Wheat — ; (Rabi or spring erop)	October to December	March to May	Bengal, Madras, Bombay includ- ing Sind, United Provinces, Bihar and Orissa, Punjab,	Provinces States. Mysore, Central In: States, Rajputana State Punjab States, Kashmi		
Sugarcane (b) . •	February to May	November to January	Burma, Central Provinces and Berar, North-West Frontier Province, Ajmer-Merwara and Manpur Pargana and Delbi. Bengal, Madras, Bombay includ- ing Sind, United Provinces, Bihar and Orissa, Punjab, Burma, Central Provinces and Berar, Assam, North-West Frontier Province and Delhi.	Hyderabad, Baroda Cetral Provinces States Bombay States and Gwalior. Mysore, Madrus States, Central India States, Rajputana States, Publi States, Kashmir, B. 4, Hyderabad, Bot- States, Gwalior L.		
Cotton(c)—	Seeds sown between November and March and seedlings transplanted when at least 6 months old.	May to December in Northern India and Jenuary to December in South India.	Bengal, Madras, United Provinces, Bihar and Orissa, Punjab, Burma, Coorg and Assam.	United Provinces Stata Travancore (Madras), fr- pura (Bengal) Mysore.		
Early Late	March to August	October to April	Bengal, Madras, Bombay includ- ing Sind, United Provinces, Bibar and Orissa, Punjab, Burms, Central Provinces and Berar, Assam, North-West Frontier Province, Ajmer- Merwara and Delhi.	Mysore, Madras State Central India State Rajputana States, Ponja States, Kashmir, Hyden bad, Baroda, United Pro vinces State (Rampur) Bengal State (Tripura)		
Jute— (Autumn crop)	March to May	August and September	Bengal, Bihar and Orissa and	Bombay States at Gwalior. Bengal States (Cox		
Linseed— (Rabi or spring crop)	August to October	January to April	Assam. Bengal, Madras, Bombay, United Provinces, Bihar and Orissa, Punjab, Central Provinces and Berar, and Assam.	Rehar and Tripura). Central India States, Raputana States, Publistates, Kashmir, Hydrobad, Bombay States		
Rape and Mustard—	• .			Central Provinces Sur Gwalior and United Pr vinces States.		
(Rabi or spring crop)	Ditto	Ditto	Bengal, Madras, Bombay includ- ing Sind, United Provinces, Bibar and Orissa, Punjab, Burms, Central Provinces and Berar, Assam, North-West	Mysore, Central Ind States, Rajputana State Punjab States, Kashm Hyderabad, Baroda, Bou bay States and Gwallor.		
Kharif or autumn	May to July	October to December	Frontier Province and Delhi. Bengal, Madras, Bombay includ-	Mysore, Madres State		
Kabi or summer .	January and February	May to July	ing Sind, United Provinces, Bihar and Orissa, Punjab, Burma, Central Provinces and	Central India State Raiputana States, Por States, and Kasha		
Cartor—			Berar, Assam, and Ajmer, Merwara.	Baroda, Hyderabad, Bobay States and Gwalie		
Kharif Rati	May to July September	January and February March and April	Madras, Rombay, Central Pro- vinces and Reray, Bihar and	Hyderabad, Mysore Buroda.		
Groundant(d)	May to August	November to January	Ories and United Provinces. Madres, Bombsy, United Provinces, Burma, Central Provinces and Berar.	Mysore, Madras Still (Banganapalli), Cental India States, Hydoral		
				Bombay States, Ri		
Indigo(e)	February to July .	August to November	Bengal, Madras, Bombay includ- ing Sind, United Provinces, Bibar and Orissa, Punjah and	A Ciwalior. Rajputana, Punjah Strandar Hyderabad. Remi		
Coffee	Rainy season	October to Jenuary	Burma. Madras and Coorg	Madras States.		
Rubber		******	Burms, Madras, Assam, Coorg and Bengal.	(Travancore and Cour		

Incomplete.

(a) In Madras, the seasons vary greatly. The first crop is sown between April and October and the second crop between September and March. The first crop is harvested between September and March and the second crop between January and May.

(b) In Madras, the harvest takes place between December and May.

(c) In parts of Southern India, sowing continues till December and harvesting till July.

(d) A Summer variety is also grown in Madras forming about 5 per cent of the total area under the crop; this variety is should be second crop on wet lands after paddy; is sown in December-January and harvested in March-April.

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