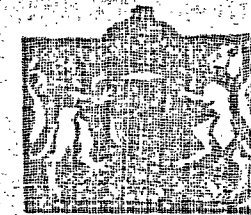




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DEPARTMENT OF AGRICULTURE
MADRAS

SEASON AND CROP REPORT

OF THE

MADRAS PRESIDENCY

FOR THE

AGRICULTURAL YEAR 1931-32
(FASLI 1341)

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* செப்பனிடும்படி
கொள்கப்பட்ட
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* ஆராய்ச்சி உதவியாளன்
செய்யப்பட்டம்

SEASON AND CROP REPORT

FOR

FASLI 1341 (1931-32).

Season.—The South-West monsoon became active on the West Coast only from about the middle of June. Rainfall was moderate and interrupted till September except on the West Coast where there were excessive rains in August. A depression formed in the Bay of Bengal off the Circars' Coast during the third week in September and uniformly good rains were received in the Presidency. A further depression in the Bay of Bengal off the Circars' Coast developed into a storm on the 11th October which moved westwards and crossed the Coast near Calingapatam on the 13th causing fairly widespread rain in Ganjam and Vizagapatam between the 13th and the 15th. There was also considerable damage to crops, property, and railway line in the Vizagapatam district. After the 17th, the South-West monsoon abated and a transition to the North-East monsoon set in. On the whole, the South-West monsoon was below the average except in East Godavari, West Godavari, Guntur, Nellore, Chingleput, North Arcot, and the West Coast. There were freshes in the main rivers and channels and tanks connected with them received adequate supplies.

Sowings of the early crops were generally satisfactory or above normal except in the Deccan and Central districts (dry crops only) and the South.

The condition of the early crops was generally fair.

2. A depression on the 24th October formed in the Bay of Bengal and, moving in a north-easterly direction, caused fairly widespread rain in the north Madras Coast till the 27th. A depression again formed in the south-west of the Bay of Bengal on the 29th, intensified into a storm in the course of the 30th, and moving north-westwards, crossed the Coast between Masulipatam and Nellore on the 31st morning. Fairly widespread and locally heavy rain fell in the Presidency on the last three days of the month and on the 1st November. The rainfall in October was below the average except in the Circars, Cuddapah, Nellore, Chingleput, and Chittoor. In November, the monsoon was active in South-East Madras where scattered falls of rain occurred in most of the days during the month. Rainfall extended occasionally in Malabar, the Deccan and the North Madras Coast. In December, a depression formed to the south-east of Ceylon on the morning of the 9th and moved north-westwards to the South-East Arabian Sea. The result was very heavy rain in

South-East Madras, on the 9th, 10th and 11th, causing floods in the rivers and damage to crops in the Tinnevely district. Conditions were again unsettled to the south-east of Ceylon on the 21st morning. A storm formed on the 22nd, moved north-westwards, and crossed the Coast about 20 miles south of Negapatam on the 24th evening. It was responsible for fairly widespread rain with locally heavy falls in South-East Madras and for breaches in the railway and telegraph lines. January was practically rainless. On the whole, the North-East monsoon was above the average except in the Deccan and Malabar.

Sowings of late wet crops were satisfactory while sowings of the late dry crops were restricted or below normal except in the South.

The condition of the late crops was generally fair.

3. There were local rains in the last week of February. March was practically rainless. Unsettled conditions in the Bay of Bengal off the Coromandel Coast resulted in thunder storm and rain in parts between the 12th and the 14th of April. Conditions were unsettled in the South-West of the Bay of Bengal after the 14th May and fairly widespread thunder storm and rain occurred in South-East Madras from the 15th to 18th and in the North Madras Coast on the 18th. A temporary advance of the monsoon occurred in the South-East Arabian Sea on the 18th and conditions became unsettled off Malabar; widespread and locally heavy rain occurred on the West Coast between the 18th and 25th. The monsoon current began to retreat withdrawing from the South-East Arabian Sea after the 26th. During the period of retreat, very rough seas and gales were experienced along and off Malabar; a gale accompanied by local heavy rain swept over Calicut on the 24th and did considerable damage to railway and telegraph lines and to property. On the whole, the hot weather rains were above the average due to the rains in May.

4. The season for the Presidency as a whole was fairly satisfactory though it was not as good as in the last two years.

5. Land revenue had to be remitted on a comparatively large scale in the less favoured parts of West Godavari (Rs. 73,683), Bellary (Rs. 60,400), Anantapur (Rs. 1,37,937), Cuddapah (Rs. 68,185), Chittoor (Rs. 51,959), North Arcot (Rs. 35,529), and

Tanjore (Rs. 1,52,603). Parts of Bellary having been hit hard by continuous adverse seasons, the suspended revenue of fasli 1338 to the extent of Rs. 1,31,182 and half the dry assessment of fasli 1341 to the extent of Rs. 3,11,534 were remitted; the collection of Rs. 11,598 being the assessment of fasli 1339, Rs. 1,86,557 being the assessment of fasli 1340, and Rs. 55,094 being half or one-fourth of the assessment of fasli 1341 was postponed to fasli 1342. The payment of takkavi instalments was also postponed in parts. The taluks mainly affected were Bellary, Siruguppa, Rayadrug, and Alur. Five test works were opened in the taluks of Alur and Bellary in June 1932.

6. Classification of area.—The total area of the Presidency was 91,148,210 acres or 119,330 acres more than in the previous year. This is mainly due to the large difference in Kurnool and to smaller differences in Bellary, Anantapur, Coimbatore, Madura, and Malabar. The matter is under correspondence. Forests constituted 14.6 per cent in the year under review and the area not available for cultivation was 22.5 per cent. The area available for cultivation was 57,299,433 acres of which 19 per cent was fallow, 23 per cent was other cultivable waste, and the rest (58 per cent) was cultivated, viz., 33,495,798 acres. The area cultivated was 36.8 per cent of the total area for the Presidency. The cultivation was the highest in Bellary being 66 per cent and was between 50 and 60 per cent in the districts of West Godavari, Guntur, and Tanjore.

7. Area irrigated.—Of the area under cultivation referred to above, 27.5 per cent, viz., 9,204,063 acres was irrigated. This area was 50 per cent and more in the deltas of East Godavari (57), West Godavari (82), Tanjore (73), and in the non-delta, Chingleput (61).

Of the total area irrigated, Government canals served 40.5 per cent, private channels 1.6, tanks (Government and private) 37.5, wells 14.6, and other sources as spring channels 5.8 per cent. Besides, wells supplemented other irrigation sources to the extent of 3.6 per cent. Government canals were important in all the deltaic districts, private channels in Ganjam, Vizagapatam, and East Godavari, tanks in Chingleput (91 per cent), Ramnad (85), North Arcot (70), Chittoor (64), Ganjam (64), Tinnevely (63), South Arcot (58), and Vizagapatam (55); wells in Coimbatore (79 per cent) and Salem (46), and other sources as spring channels in Ganjam, Vizagapatam, East Godavari, Cuddapah, and Nellore. Canals, tanks, and wells are almost equally important in Madura. Though there are no recognized sources of irrigation on the West Coast, there is some irrigation from potamoboke channels and streams, but figures showing the extent so irrigated are not available.

8. Crops irrigated.—The area of crops cultivated was 38,344,577 acres and it exceeded the area of land under cultivation by 4,848,779 acres. The difference is due to the fact that on some lands more than one crop was raised. 29 per cent (viz., 11,184,258 acres) of the area of crops cultivated was irrigated. The percentage of the area of irrigated crops exceeded 50—in Chingleput (68), Tanjore (70), and West Godavari (69). The percentage of irrigated area was the smallest in Salem (17), Guntur (16), Anantapur (10), Kurnool (5), and Bellary (3).

Out of the area of crops irrigated, cereals and pulses contributed 90 per cent, oil-seeds (groundnut, gingelly and castor) 2 per cent, and sugarcane 1 per cent. Seventy-two per cent of the extent under paddy was irrigated. The corresponding percentage for other crops irrigated were 43 (ragi), 27 (indigo), 12 (gingelly), 11 (cumbu), 9 (cholan and cotton, mainly Cambodia), and 3 (summer groundnut).

The areas under irrigated ragi and indigo were among the lowest reported. Sugarcane was irrigated everywhere except on the West Coast, where it was mainly rain-fed.

9. Area sown with crops.—(38,344,577 acres). Food crops occupied 79 per cent of the total area sown in the Presidency against 78 per cent in the last year and the percentage was the highest reported since 1922-23. Cereals occupied 66 per cent of the total area. The area under non-food crops, mainly groundnut, has been decreasing since 1928-29. Excluding the Nilgiris, the area under food crops was the lowest, ranging from 60 to 79 per cent, in Kurnool, Bellary, and Tinnevely and the highest, ranging from 83 to 93 per cent, in the Circars (Guntur excepted), Nellore, Chingleput, Chittoor, Salem, Trichinopoly, Tanjore, Madura and South Kanara. Paddy occupied 30 per cent, cholam 13, cumbu 8, groundnut 7, ragi and cotton 6, korra 4, gingelly 2, castor, coconut, and tobacco 1.

The area under paddy, blackgram, greengram, condiments and spices, and fruits and vegetables (plantains and mangoes) was the highest or among the highest reported while the area under cumbu, ragi, samai, and maize, was among the lowest reported.

Of the non-food crops, the area under tobacco, tea, and fodder crops was the highest or among the highest reported while the area under castor, coconut, and indigo was the lowest or among the lowest reported.

The area cultivated with crops was restricted in Ganjam, Anantapur, Cuddapah, South Arcot, the Central districts and the South (Ramnad excepted). The reduction was marked in Coimbatore (—99,656 acres).

10. Marked variations in the area under main crops are noted below:—

Paddy. (Average 11,169,600 acres; current 11,537,753 acres).—The increase in area

was general outside Ganjam, Vizagapatam, Bellary, Anantapur, Tanjore, Tinnevely, and Malabar. The increase was greatest in Chittoor, North Arcot, and Ramnad.

Cholan. (Average 4,843,270; current 4,830,678).—There was a large increase in area in Anantapur and Salem and a large reduction in area in Tinnevely.

Cumbu. (Average 3,088,100; current 2,877,161).—The area was restricted in all districts outside the Circars, Cuddapah, and Chingleput. The reduction in area was marked in Coimbatore (—89,705 acres).

Ragi. (Average 2,293,700; current 2,200,674).—There was a reduction in area in all districts outside Vizagapatam, West Godavari, Kistna, Salem, Coimbatore, Trichinopoly, and the West Coast.

Korra. (Average 1,519,390; current 1,428,839).—This crop occurs mainly in Guntur and the Deccan. There was an increase in area in Kurnool and a reduction in other districts.

Varagu. (Average 1,089,500; current 1,118,182).—The area showed an increase in all the districts outside Ganjam, Vizagapatam, Anantapur, Nellore, Chingleput, Coimbatore, and the South.

Samai. (Average 803,720; current 746,833).—There was an increase in area in Vizagapatam, East Godavari, West Godavari, Cuddapah, Salem, Coimbatore, Trichinopoly, and Tinnevely, and a reduction in most of the other districts.

Maize. (Average 136,470; current 110,184).—This crop is important in Guntur, Kistna, and Vizagapatam. There was a reduction in area in the first two districts.

Pulses. (Average 2,880,330; current 3,140,112).—There was an increase in area outside East Godavari, Chingleput, Chittoor, North Arcot, Trichinopoly, and Madura. There was an increase in area under all the pulses except redgram.

Chillies. (Average 283,750; current 330,929).—The increase was almost general.

Sugarcane. (Average 100,900; current 116,105).—The increase occurred in all the districts outside Vizagapatam, Kistna, Trichinopoly, and the West Coast.

Groundnut. (Average 3,068,100; current 2,635,427).—There was an increase in area in Vizagapatam, Kistna, Guntur, Bellary, Anantapur, Ramnad, and Tinnevely and a reduction in other districts, especially in Chingleput, South Arcot, and the Central districts.

Gingelly. (Average 799,630; current 747,053).—The area was restricted in all the districts outside Vizagapatam, Bellary, Anantapur, Chingleput, Chittoor, Trichinopoly, and Ramnad.

Castor. (Average 327,140; current 330,106).

Cotton. (Average 2,411,670; current 2,204,506).—The reduction in area was general outside Bellary and was due mainly to the fall in price.

Indigo. (Average 49,729; current 37,239).

Tobacco. (Average 270,550; current 268,815).

11. Yield.—For the Presidency as a whole, the yield of crops varied from slightly below normal to slightly above normal except in the case of cholam, bengalgram, horsegram, groundnut, and gingelly, where the yield varied from 92 to 96 per cent and in the case of cotton, unirrigated (84), and indigo (82).

The yield per acre of most crops varied from slightly below normal to slightly above normal in the districts of Vizagapatam, East Godavari, Kistna, Kurnool, Nellore, Chingleput, Chittoor, and South Kanara. The yield per acre was normal or slightly above normal in the following cases also: paddy in Guntur, Madura and Ramnad; cholam in Ganjam; cumbu in Ganjam, Cuddapah, and the South (Tanjore excepted); ragi in Bellary, Madura and Ramnad; korra in Guntur, the Central districts and Madura; varagu in Salem, Coimbatore, Madura and Ramnad; samai in Bellary, Cuddapah, North Arcot, Madura and Tinnevely; maize in Ganjam, North Arcot and Salem, bengalgram in Salem; horsegram in Bellary, Salem, the South (Madura excepted), and South Kanara; sugarcane in Madura; groundnut in West Godavari, Guntur, and Ramnad; gingelly in Guntur, and Tinnevely; castor in Guntur, Cuddapah, Salem, Coimbatore, Trichinopoly, Madura, and Ramnad; cotton unirrigated in Guntur, Salem (Uppan), and Trichinopoly (Nadam), and tobacco in Guntur. The yield of irrigated cotton was above normal except in Ramnad and Tinnevely.

The yield of paddy in Trichinopoly and Tanjore, cholam, ragi, and korra in Kistna, ragi and korra in Cuddapah, maize in Guntur, groundnut in North Arcot, and gingelly in Trichinopoly was adversely affected by heavy rains.

Groundnut was attacked to some extent by insects in parts of South Arcot, Coimbatore, and Trichinopoly.

12. Stocks.—Stocks of food-grains were generally sufficient. In the deltas, the stock of paddy was much more than the local requirements due to the want of demand elsewhere.

13. Prices.—The prices of the principal food-grains in March 1932 were slightly lower than in the corresponding part of the previous year in most districts.

The average prices of articles of import (refined sugar excepted) and of export (gingelly seed, unrefined sugar, and tea excepted) also declined. The price of refined sugar, and cotton twist and yarn among imports and coconut-oil, oil-cakes, castor

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chillies. Ceylon imported 2,354 tons of paddy and 56,587 tons of rice as against 4,368 tons of paddy and 101,659 tons of rice in the previous year. The United Kingdom was the principal consumer of tea to the extent of Rs. 368-02 lakhs. Exports of coffee declined from Rs. 188-35 lakhs to Rs. 92-92 lakhs due to very poor harvest and over-stock in foreign markets as a result of very large shipments in the previous year; France was the best customer closely followed by the United Kingdom. Exports of oil-cakes mainly to Ceylon increased from 21-31 lakhs to 26-82 lakhs; Ceylon was the sole importer of gingelly cakes to the extent of 11,806 tons. There was a decline in the exports of tobacco by 9 per cent in quantity and 12 per cent in value; the United Kingdom was the chief consumer of raw tobacco. Shipments of castor fell from 41,279 tons to 33,407 tons. Exports of rubber declined from Rs. 99-71 lakhs to Rs. 29-91 lakhs due to the abnormal fall in prices; the United Kingdom and Ceylon were the chief buyers of raw rubber.

15. **Cattle.**—The mortality of cattle from contagious disease during 1931-32 was 56,634 as against 99,980 in the previous year. The mortality was heavy in the districts of Ganjam, Kurnool, Guntur and Nellore.

Anthrax accounted for 8 per cent of the deaths, Black quarter for 9 per cent.; Haemorrhagic septicaemia for 11 per cent, and Foot and-mouth disease for 3 per cent.

The assignment of lands on a fairly large scale to the members of the depressed classes has raised their status in some places.

(c) The figures given in this column represent the average rainfall for the 51 years ending with 1930 for the entire month.

(c)	"	"	1st to 26th September 1931.
(d)	"	"	27th to 30th September 1931.

Rainfall in inches in each month and period in 1931-32 as compared with the average of the 51 years ending with 1930—cont.

North-East monsoon (27th September to 31st January)—cont.				Hot weather (1st February to 6th June)						Grand total.		District.																			
January.		Total.	1931-32.	February.		1931-32.	March.	April.		1931-32.	May.		June.	Total.	Average.	1931-32.	1931-32.	(34)	(35)												
Average.	1931-32.	1931-32.		Average.	1931-32.			Average.	1931-32.											Average.	1931-32.	Average.	1931-32.	Average.	1931-32.	Average.	1931-32.	Average.	1931-32.	Average.	1931-32.
District.	Ganjam ..	0.3	..	7.8	11.5	0.9	1.1	1.0	0.1	2.3	3.0	1.5	0.1	8.2	5.0	59.0	15.3	Agency Plains	Agency Plains												
		0.3	..	17.3	21.4	0.7	1.7	0.7	0.1	1.7	2.5	2.1	1.5	0.3	5.0	5.8	35.7	40.5	Ganjam.												
		0.2	..	5.9	18.1	0.4	0.4	0.8	0.2	2.0	3.1	2.6	2.6	0.2	6.3	5.8	35.7	40.5	..												
	Vizagapatam ..	0.3	..	20.7	27.0	0.6	0.4	0.6	Nil	2.1	2.6	1.6	2.6	0.3	4.3	5.3	49.5	50.3	Agency Plains	Agency Plains											
		0.3	..	7.7	18.3	0.3	1.7	0.6	Nil	1.7	2.4	1.8	1.8	0.7	5.4	5.8	49.5	50.3	..	..											
		0.2	..	13.4	22.1	0.3	1.0	0.3	Nil	0.8	2.0	1.3	1.3	1.4	3.3	5.4	49.5	50.3	Agency Plains	Agency Plains											
	East Godavari ..	0.2	..	10.0	19.5	0.2	1.0	0.3	Nil	0.8	1.7	1.3	1.3	1.0	2.8	5.2	32.2	32.2	Agency Plains	Agency Plains											
		0.2	..	10.0	17.8	0.3	1.5	0.4	Nil	1.3	1.7	1.3	1.3	0.4	3.3	3.9	32.2	32.2	West Godavari	West Godavari											
		0.4	..	10.6	15.6	0.2	1.8	0.4	Nil	0.6	1.5	1.6	1.6	0.4	3.3	3.9	32.2	32.2	..	..											
	West Godavari ..	0.2	..	6.1	15.6	0.2	1.8	0.4	Nil	0.6	1.5	1.6	1.6	0.4	3.3	3.9	32.2	32.2	..	..											
		0.2	..	6.1	15.6	0.2	1.8	0.4	Nil	0.6	1.5	1.6	1.6	0.4	3.3	3.9	32.2	32.2	..	..											
		0.2	..	6.1	15.6	0.2	1.8	0.4	Nil	0.6	1.5	1.6	1.6	0.4	3.3	3.9	32.2	32.2	..	..											
	Kistna ..	0.2	..	5.7	4.7	0.7	..	0.2	Nil	0.7	0.5	1.3	1.3	0.5	2.7	6.5	31.8	42.8	..	..											
		0.1	..	6.4	3.5	0.2	0.3	0.2	Nil	0.7	0.5	1.3	1.3	0.5	2.7	6.5	31.8	42.8	..	..											
		0.1	..	6.4	3.5	0.2	0.3	0.2	Nil	0.7	0.5	1.3	1.3	0.5	2.7	6.5	31.8	42.8	..	..											
	Anantapur ..	0.2	..	10.5	8.7	0.1	0.4	0.2	Nil	0.6	2.0	2.2	2.1	1.4	2.0	2.6	23.7	21.0	..	..											
0.2		..	10.5	8.7	0.1	0.4	0.2	Nil	0.6	2.0	2.2	2.1	1.4	2.0	2.6	23.7	21.0	..	..												
0.2		..	10.5	8.7	0.1	0.4	0.2	Nil	0.6	2.0	2.2	2.1	1.4	2.0	2.6	23.7	21.0	..	..												
Cuddapah ..	1.0	..	21.5	29.2	0.3	1.2	0.3	Nil	0.4	1.5	1.4	1.4	1.2	2.3	3.4	33.2	23.6	..	..												
	1.2	..	23.3	30.8	0.4	0.6	0.2	Nil	0.5	1.7	3.1	1.4	1.4	2.3	5.1	35.0	43.7	..	..												
	1.2	..	23.3	30.8	0.4	0.6	0.2	Nil	0.5	1.7	3.1	1.4	1.4	2.3	5.1	35.0	43.7	..	..												
Chingleput ..	0.9	0.1	15.0	20.7	0.2	1.2	0.3	Nil	0.8	2.9	2.6	2.6	0.6	3.5	6.3	40.0	57.8	..	..												
	0.9	..	15.0	20.7	0.2	1.2	0.3	Nil	0.8	2.9	2.6	2.6	0.6	3.5	6.3	40.0	57.8	..	..												
	0.9	..	15.0	20.7	0.2	1.2	0.3	Nil	0.8	2.9	2.6	2.6	0.6	3.5	6.3	40.0	57.8	..	..												
North Arcot ..	0.3	..	13.6	16.7	0.3	1.2	0.3	Nil	0.7	0.8	2.2	2.2	0.7	3.5	5.1	33.5	35.7	..	..												
	0.3	..	13.6	16.7	0.3	1.2	0.3	Nil	0.7	0.8	2.2	2.2	0.7	3.5	5.1	33.5	35.7	..	..												
	0.3	..	13.6	16.7	0.3	1.2	0.3	Nil	0.7	0.8	2.2	2.2	0.7	3.5	5.1	33.5	35.7	..	..												
South Arcot ..	0.4	..	21.6	13.7	0.3	2.1	0.5	Nil	1.3	4.2	5.7	5.7	0.8	6.3	10.5	32.7	37.7	..	..												
	0.4	..	21.6	13.7	0.3	2.1	0.5	Nil	1.3	4.2	5.7	5.7	0.8	6.3	10.5	32.7	37.7	..	..												
	0.4	..	21.6	13.7	0.3	2.1	0.5	Nil	1.3	4.2	5.7	5.7	0.8	6.3	10.5	32.7	37.7	..	..												
Coimbatore ..	0.5	..	23.0	14.6	0.3	1.7	0.3	Nil	1.3	2.5	4.2	4.2	0.7	6.3	10.1	32.6	38.7	..	..												
	0.5	..	23.0	14.6	0.3	1.7	0.3	Nil	1.3	2.5	4.2	4.2	0.7	6.3	10.1	32.6	38.7	..	..												
	0.5	..	23.0	14.6	0.3	1.7	0.3	Nil	1.3	2.5	4.2	4.2	0.7	6.3	10.1	32.6	38.7	..	..												
Trichinopoly ..	0.8	0.1	26.0	23.0	0.4	0.1	0.4	Nil	1.3	2.3	4.1	4.1	0.7	5.7	7.7	33.8	41.6	..	..												
	0.8	0.2	26.0	23.0	0.4	0.1	0.4	Nil	1.3	2.3	4.1	4.1	0.7	5.7	7.7	33.8	41.6	..	..												
	0.8	0.2	26.0	23.0	0.4	0.1	0.4	Nil	1.3	2.3	4.1	4.1	0.7	5.7	7.7	33.8	41.6	..	..												
Tanjore ..	0.6	..	18.1	21.7	0.6	1.6	0.7	0.1	2.0	3.1	2.9	2.9	0.2	6.3	8.6	37.4	37.8	..	..												
	0.6	..	18.1	21.7	0.6	1.6	0.7	0.1	2.0	3.1	2.9	2.9	0.2	6.3	8.6	37.4	37.8	..	..												
	0.6	..	18.1	21.7	0.6	1.6	0.7	0.1	2.0	3.1	2.9	2.9	0.2	6.3	8.6	37.4	37.8	..	..												
Madura ..	1.2	..	28.5	27.7	0.6	1.2	0.7	0.4	1.8	4.3	2.8	2.8	0.2	5.0	7.5	37.0	40.7	..	..												
	1.2	..	28.5	27.7	0.6	1.2	0.7	0.4	1.8	4.3	2.8	2.8	0.2	5.0	7.5	37.0	40.7	..	..												
	1.2	..	28.5	27.7	0.6	1.2	0.7	0.4	1.8	4.3	2.8	2.8	0.2	5.0	7.5	37.0	40.7	..	..												
Tinnevely ..	1.6	..	23.5	23.2	0.3	2.7	1.2	0.3	1.8	5.3	2.6	2.6	0.2	5.2	7.5	29.0	34.6	..	..												
	1.6	..	23.5	23.2	0.3	2.7	1.2	0.3	1.8	5.3	2.6	2.6	0.2	5.2	7.5	29.0	34.6	..	..												
	1.6	..	23.5	23.2	0.3	2.7	1.2	0.3	1.8	5.3	2.6	2.6	0.2	5.2	7.5	29.0	34.6	..	..												
Malabar ..	0.3	..	17.5	13.1	0.3	0.1	0.7	0.3	3.4	5.0	2.7	2.7	2.2	12.0	33.6	117.2	169.2	..	..												
	0.3	..	17.5	13.1	0.3	0.1	0.7	0.3	3.4	5.0	2.7	2.7	2.2	12.0	33.6	117.2	169.2	..	..												
	0.3	..	17.5	13.1	0.3	0.1	0.7	0.3	3.4	5.0	2.7	2.7	2.2	12.0	33.6	117.2	169.2	..	..												
South Kanara ..	0.7	..	13.7	13.6	0.1	..	0.1	..	1.4	0.9	20.4	20.4	2.3	7.3	23.6	145.5	182.7	..	..												
	0.7	..	13.7	13.6	0.1	..	0.1	..	1.4	0.9	20.4	20.4	2.3	7.3	23.6	145.5	182.7	..	..												
	0.7	..	13.7	13.6	0.1	..	0.1	..	1.4	0.9	20.4	20.4	2.3	7.3	23.6	145.5	182.7	..	..												
The Nilgiris ..	1.3	..	20.8	27.1	1.1	0.3	1.2	0.1	5.2	5.7	13.0	13.0	0.8	11.2	15.6	74.1	85.1	..	..												
	1.3	..	20.8	27.1	1.1	0.3	1.2	0.1	5.2	5.7	13.0	13.0	0.8	11.2	15.6	74.1	85.1	..	..												
	1.3	..	20.8	27.1	1.1	0.3	1.2	0.1	5.2	5.7	13.0	13.0	0.8	11.2	15.6	74.1	85.1	..	..												

(e) Relates to the period 1st to 6th June 1932.

APPENDIX III (paragraph 6, page 2 of the report).

Classification of area in each district under forests, etc., in 1931-32 and the percentage of the area under each classification to the total area.

District.	Forests.		Not available for cultivation.		Cultivable waste other than fallow.		Current fallow.		Net area sown.		Total area in 1931-32.	District.
	Area.	Percentage to the total area.	Area.	Percentage to the total area.	Area.	Percentage to the total area.	Area.	Percentage to the total area.	Area.	Percentage to the total area.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Ganjam ..	582,570	11	1,957,815	37	924,790	17	476,523	9	1,421,053	25	5,351,818	Ganjam.
Vizagapatam ..	1,141,151	9	4,391,671	40	2,281,576	21	680,392	6	2,555,350	24	10,909,290	Vizagapatam.
East Godavari ..	850,077	21	1,217,807	31	563,210	14	326,381	8	1,626,020	26	3,980,689	East Godavari.
West Godavari ..	40,652	2	135,384	3	217,141	15	302,701	22	806,140	53	1,511,021	West Godavari.
Kistna ..	109,736	6	578,522	25	199,121	9	291,929	13	1,087,439	48	2,269,786	Kistna.
Guntur ..	523,243	16	280,116	6	303,280	6	462,652	13	2,087,823	57	3,285,824	Guntur.
Kurnool ..	1,618,115	33	491,805	10	481,125	9	282,679	6	2,092,015	42	4,994,329	Kurnool.
Belary ..	352,355	10	214,481	6	281,104	10	282,319	6	2,134,157	63	3,551,713	Belary.
Anantapur ..	454,691	11	488,875	11	907,611	21	587,228	11	1,868,606	43	4,006,081	Anantapur.
Cuddapah ..	1,152,250	31	469,653	13	695,458	19	315,340	6	1,632,204	35	3,724,695	Cuddapah.
Nellore ..	465,169	9	1,628,094	32	1,026,080	20	658,311	13	1,308,637	28	5,987,200	Nellore.
Chingleput ..	128,979	6	723,246	37	136,120	7	210,230	11	767,325	33	1,965,897	Chingleput.
Madras ..	183,291	0	679,409	25	181,785	7	336,001	14	1,239,615	48	2,692,098	Madras.
South Arcot ..	625,288	14	1,575,821	43	576,045	15	390,479	10	712,332	19	3,778,665	South Arcot.
Chittoor ..	752,585	25	465,016	19	231,010	8	363,337	13	1,143,438	35	2,982,386	Chittoor.
North Arcot ..	1,003,382	23	779,565	27	613,431	14	504,191	11	1,616,535	36	4,517,167	North Arcot.
Salem ..	(a) 1,420,132	31	253,386	7	105,826	4	778,837	17	1,690,099	41	4,517,794	Salem.
Coimbatore ..	144,915	6	427,394	16	297,884	10	611,610	23	2,761,261	46	3,998,898	Coimbatore.
Trichinopoly ..	12,691	1	671,650	28	181,403	7	247,938	10	1,234,517	54	2,396,898	Trichinopoly.
Tanjore ..	419,553	13	515,015	17	453,821	12	537,129	17	1,217,112	39	3,142,599	Tanjore.
Madura ..	16,352	1	885,367	29	484,068	20	403,453	13	1,281,662	41	3,101,229	Madura.
Ramnad ..	220,803	5	499,727	18	151,250	5	742,406	27	1,174,483	42	2,768,699	Ramnad.
Tinnevely ..	356,005	10	679,190	15	365,242	20	252,619	7	1,158,343	39	3,700,398	Tinnevely.
Malabar ..	518,294	20	496,814	16	678,240	26	557,302	22	2,573,599	28	2,573,599	Malabar.
South Kanara ..	311,052	40	16,710	8	13,778	7	147,628	23	81,225	13	633,393	South Kanara.
The Nilgiris ..												The Nilgiris.
Total for the Presidency.	13,333,934	14.5	20,515,113	22.6	(b) 13,090,493	14.4	(c) 10,704,133	11.7	(d) 33,485,798	35.8	91,143,210	Total for the Presidency.

(a) Excludes 29,076 acres under cultivation in reserved forests. This extent has been included in net area sown.
 (b) This includes 698,013 acres of babul trees, casuarinas, thatching grass, etc., mostly in Ganjam (202,807 acres), Vizagapatam (232,511 acres) and the Carnatic (105,110 acres).
 (c), (d) and (e) The total cultivable area in the Presidency is 67,299,493 acres.

APPENDIX III (paragraph 7, page 2 of the report).

Area irrigated in each district from the various sources of irrigation (canals, tanks, etc.) in 1931-32.

District.	Area irrigated from							Percentage of irrigated area to net area sown.	Percentage of area irrigated by wells to the total area irrigated.	Percentage of area irrigated by tanks to the total area irrigated.	District.
	Government canals.	Private canals.	Tanks.	Wells having independent supplies.	Wells supplied by recognized sources of irrigation.	Other sources, i.e., tanks, etc.	Total.				
(1)	(2)	(3)	(4)	(5-a)	(5-b)	(6)	(7)	(8)	(9)	(10)	(11)
Ganjam ..	161,366	11,116	442,442	Nil.	1,250	77,112	702,065	49	Nil	48	Ganjam.
Vizagapatam ..	63,121	70,817	380,866	62,091	11,119	689,191	689,191	27	9	29	Vizagapatam.
East Godavari ..	387,805	46,591	92,276	89	1,542	60,157	685,918	57	Nil	48	East Godavari.
West Godavari ..	569,187	422	63,536	9,875	5	15,528	657,996	88	9	76	West Godavari.
Kistna ..	469,871	422	56,187	5,412	3,218	13,519	636,341	59	1	59	Kistna.
Guntur ..	329,724	..	22,637	13,331	382	7,624	373,315	18	4	17	Guntur.
Kurnool ..	32,018	..	37,103	18,468	620	3,117	96,332	5	17	4	Kurnool.
Belary ..	16,231	88	16,974	12,296	181	7,789	53,311	2	23	2	Belary.
Anantapur ..	29,762	934	61,433	63,951	3,912	1,255	156,338	8	21	10	Anantapur.
Cuddapah ..	41,648	..	55,618	65,811	12,353	52,300	215,178	31	30	20	Cuddapah.
Nellore ..	119,105	10	225,591	109,672	Nil	65,920	550,698	42	29	41	Nellore.
Chingleput ..	16,820	9	427,756	9,871	20,621	11,899	469,155	61	2	64	Chingleput.
South Arcot ..	116,759	51	239,876	21,639	47,168	25,934	461,259	36	5	37	South Arcot.
Chittoor ..	17,169	3,357	167,888	52,634	24,043	21,941	233,142	37	20	41	Chittoor.
North Arcot ..	23,836	1,880	265,526	67,522	27,697	17,326	360,960	33	15	36	North Arcot.
Salem ..	25,119	380	61,579	81,485	21,182	8,104	176,977	11	46	11	Salem.
Coimbatore ..	82,352	459	61,558	419,279	3,931	11,639	533,937	29	79	25	Coimbatore.
Trichinopoly ..	322,971	..	66,564	66,564	21,815	8,817	259,970	30	28	22	Trichinopoly.
Tanjore ..	838,853	1,031	102,281	Nil	10,232	1,291	943,399	73	Nil	73	Tanjore.
Madura ..	150,798	6,420	145,962	172,213	9,130	6,583	480,896	49	36	35	Madura.
Ramnad ..	1,679	312	308,721	52,160	21,652	137	383,063	28	12	32	Ramnad.
Tinnevely ..	49,229	3,439	156,716	38,953	31,098	2,261	250,618	21	15	24	Tinnevely.
Total for the Presidency.	3,730,280	147,325	3,419,613	1,310,612	263,740	536,092	9,204,063	27.8	12.6	26.7	Total for the Presidency.

Note.—There are no sources of irrigation on the West Coast and the Hills. Excluding the West Coast and Hills, 29.3 per cent was irrigated during the year.

APPENDIX IV (paragraph 8, page 2 of the report).
Area of crops irrigated in 1931-32.

Area irrigated in 1951-52.													
District.	Area irrigated under												District.
	Paddy.		Cholam.		Cumbu.		Ragi.		Cotton.		Sugar- cane.		
	Normal. (2)	1931-32. (3)	Normal. (4)	1931-32. (5)	Normal. (6)	1931-32. (7)	Normal. (8)	1931-32. (9)	Normal. (10)	1931-32. (11)			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)		
Ganjam ..	ACS 658,000	ACS 645,531.	ACS. ..	ACS. ..	ACS. 100	ACS 25,000	ACS 310	ACS 64,000	ACS. 46,536	ACS. 132,615	ACS. 55	ACS. 5,409	Ganjam.
Vizagapatam ..	648,000	537,619	2,000	..	..	..	..	90,000	16,536	396	..	32,000	Vizagapatam.
East Godavari ..	638,000	580,861	250	28	..	..	..	1,500	413	17	..	7,295	East Godavari.
West Godavari ..	628,000	644,071	108	42	..	..	..	500	423	..	..	1,060	West Godavari.
Kistna ..	528,000	538,440	100	10	..	..	..	800	782	..	..	37	Kistna
Guntur ..	339,000	348,355	1,700	3,125	3,330	3,002	7,300	9,681	..	..	..	483	Guntur.
Kurnool ..	50,000	58,956	3,000	2,308	12,000	11,329	20,000	17,618	..	..	..	270	Kurnool
Bellary ..	27,000	25,450	4,000	2,915	400	214	8,000	5,979	..	..	1,729	270	Bellary.
Anantapur ..	80,000	64,538	34,000	28,950	1,400	231	76,000	71,641	..	..	2,187	9,279	Anantapur.
Cuddapah ..	90,000	108,974	9,000	6,188	34,000	33,140	70,000	59,648	..	..	308	3,284	Cuddapah.
Nellore ..	397,000	393,667	6,000	3,701	88,000	81,326	83,000	75,821	..	..	1,050	507	Nellore.
Chingleput ..	564,000	594,753	900	114	4,000	4,588	67,000	51,055	..	..	34	51	Chingleput.
South Arcot ..	498,000	504,222	900	921	16,000	12,283	70,000	60,810	..	..	6	289	South Arcot.
Chittoor ..	160,000	233,332	17,000	9,722	12,000	16,852	71,000	46,538	100	50	1	10,550	Chittoor.
North Arcot ..	430,000	539,011	20,000	11,873	10,000	10,572	85,000	67,270	..	..	10	10,177	North Arcot.
Salem ..	100,000	140,190	30,000	39,202	35,000	31,337	35,000	33,585	300	..	4	7,814	Salem.
Coimbatore ..	98,000	101,458	187,000	150,085	45,000	52,223	76,000	98,169	19,000	16,352	..	6,583	Coimbatore.
Trichinopoly ..	222,000	250,968	22,000	27,664	31,000	30,922	26,000	38,233	(2) 10,000	(3) 15,591	..	8,619	Trichinopoly.
Tanjore ..	1,005,000	973,377	14,000	13,553	900	1,218	17,000	13,339	12,000	10,039	..	4,804	Tanjore.
Madura ..	302,000	328,725	32,000	78,459	14,000	12,161	53,000	46,168	29,000	25,183	1	561	Madura.
Ramnad ..	228,000	311,049	30,000	18,684	22,000	3,204	63,000	45,514	17,000	10,914	..	2,285	Ramnad.
Tinnevely ..	357,000	337,386	61,000	50,920	5,000	2,593	32,000	25,551	6,000	6,857	..	266	Tinnevely.
Total for the Presidency.	7,941,000	8,261,907	480,050	443,800	359,100	311,225	1,014,100	949,592	109,450	190,868	112,450	Total for the Presidency.	

District.	Area irrigated under												Percentage of the area of crops irrigated to the total area sown.	District.
	Kona.	Varagu.	Samai.	Other cereals and pulses.	Gingelly.	Groundnut.	Castor.	Indigo.	Other crops.	Total.				
(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)				
Ganjam ..	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	...		
Vizagapatam ..	12	10	206	4,258	12,578	5,574	76	...	6,708	726,967	42	Ganjam		
East Godavari ..	...	...	...	12,035	15,402	...	2	2	61,395	822,754	50	Vizagapatam		
West Godavari ..	...	...	...	445	20,438	...	10	...	12,908	623,115	47	East Godavari		
Kistna ..	...	...	3	585	20,633	...	6	...	19,497	635,323	60	West Godavari		
Guntur ..	89	93	...	109	...	2	...	...	16,957	556,337	45	Kistna		
Kurnool ..	2,451	1,797	1	3,118	697	184	7	20	10,141	375,861	16	Guntur		
Bellary ..	1,590	...	4	1,899	59	3,990	75	32	14,154	116,935	6	Kurnool		
Anantapur ..	5,130	49	...	1,544	90	249	12	...	13,228	63,916	3	Bellary		
Cuddapah ..	19,134	373	4	1,222	3,710	4,393	6	85	22,022	201,220	10	Anantapur		
Nellore ..	1,999	470	5	3,247	1,788	165	20	3,912	20,619	263,154	23	Cuddapah		
Chingleput ..	178	1,503	4	2,813	8,285	4,451	78	1,945	10,633	574,698	38	Nellore		
South Arcot ..	886	833	8	1,243	3,667	35,327	52	432	8,693	677,166	68	Chingleput		
Chittoor ..	1,611	81	87	499	5,332	11,598	155	17,382	849,695	499	South Arcot			
North Arcot ..	54	184	13	811	3,439	3,877	2	2,015	10,230	347,841	43	Chittoor		
Salem ..	1,854	449	161	6,235	3,318	3,774	2	199	19,398	654,778	45	North Arcot		
Coimbatore ..	13,621	4,855	573	2,128	4,525	1,882	219	955	21,968	306,387	17	Salem		
Trichinopoly ..	230	668	81	570	2,287	1,832	352	...	76,317	633,300	50	Coimbatore		
Tanjore ..	61	274	76	578	413	3,472	1,082	36	29,379	490,378	28	Trichinopoly		
Madura ..	8,661	1,600	284	6,868	2,173	6,427	193	...	32,879	1,037,012	70	Tanjore		
Ramnad ..	72	3,554	78	5,553	1,824	481	23	4	12,136	557,983	47	Madura		
Tinnevely ..	52	883	272	7,093	2,757	98	82	...	26,261	428,466	31	Ramnad		
Total for the Presidency.	55,191	17,657	1,793	64,337	143,356	85,169	2,342	10,160	529,890	11,181,258	23	Tinnevely		
(a) There is a small extent under irrigation in these districts.												22	Total for the Presidency.	

(a) There is a small extent under irrigation in these districts but the normal area was not fixed as the yield does not differ much from that of the unirrigated variety. (b) Includes 16,500 acres of irrigated Karunganni. (c) Includes 14,431 acres of irrigated Karunganni.

Note.—There are no sources of irrigation on the West Coast and the Hills.

APPENDIX V (Quinquennial).

Total number of oil-engines, tanks, channels and wells actually used in each district of Madras Presidency for purposes of irrigation in 1930-31.

District.	Oil engines (in working order).	Tanks with ayacuts								Channels of all sorts.		Wells of all sorts.		District.
		Under 10 acres.		Not exceeding 200 acres.		Exceeding 200 acres.		Total.						
		Govt.	Private.	Govt.	Private.	Govt.	Private.	Govt.	Private.	Govt.	Private.			
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
Ganjam	..	784	59	1,551	214	87	..	2,402	273	900	3	..	2,705	Ganjam.
Vizagapatam ..	..	358	231	855	16	52	..	1,264	250	211	41	..	3,349	Vizagapatam.
East Godavari ..	26	129	41	792	44	46	..	1,057	85	729	343	4	766	East Godavari.
West Godavari ..	19	71	109	296	34	27	..	384	118	555	49	8	1,376	West Godavari.
Kistna	27	23	1,007	93	224	..	7	116	1,238	678	39	8	1,361	Kistna.
Guntur	3	16	21	241	40	11	..	268	62	2,090	79	65	3,783	Guntur.
Kuracool	4	88	24	311	37	38	..	437	83	181	27	780	4,672	Kuracool.
Bellary	2	44	44	177	10	28	..	219	51	187	6	279	6,240	Bellary.
Anantapur ..	2	281	83	717	87	103	..	1,081	174	1,474	171	287	26,535	Anantapur.
Cuddapah ..	11	466	29	613	40	51	2	1,139	71	647	17	1,243	31,308	Cuddapah.
Nellore	2	23	32	425	21	172	3	826	128	120	..	899	13,910	Nellore.
Chingleput ..	55	290	8	1,700	22	481	..	2,474	30	156	3	106	22,127	Chingleput.
South Arcot ..	305	294	105	2,106	87	287	4	2,681	197	538	13	816	50,741	South Arcot.
Chittoor	7	1,911	42	1,775	26	34	..	3,720	68	1,103	54	218	23,468	Chittoor.
North Arcot ..	33	267	52	2,050	38	305	..	2,632	90	972	9	24	119,501	North Arcot.
Salem	23	678	177	1,152	33	50	..	1,860	270	854	45	25	70,219	Salem.
Coimbatore ..	140	6	9	71	10	35	2	113	21	193	161	351	92,599	Coimbatore.
Trichinopoly ..	21	611	234	723	38	59	..	1,394	272	402	8	5	60,565	Trichinopoly.
Tanjore	..	113	13	658	28	49	1	720	42	3,743	..	..	3,178	Tanjore.
Madurai	9	1,999	372	1,588	31	117	..	3,702	403	639	2	461	48,339	Madurai.
Ramnad	18	10	126	246	1,170	42	33	258	1,329	25	6	1	28,237	Ramnad.
Tinnevely	19	274	135	1,514	157	131	1	1,919	263	269	10	101	35,988	Tinnevely.
Total	736	8,670	2,927	19,628	2,537	2,210	65	30,614	5,525	17,187	1,091	5,527	64,234	Total.

APPENDIX VI (paragraphs 9 and 10, pages 2 and 3 of the report).
Area sown with crops in 1931-32 as compared with the normal.

District.	Paddy, unirrigated.		Paddy, irrigated and unirrigated.		Cholam, unirrigated.		Cholam, irrigated and unirrigated.		Cumbu, unirrigated.		District.
	Normal.	1931-32.	Normal.	1931-32.	Normal.	1931-32.	Normal.	1931-32.	Normal.	1931-32.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
Ganjam ..	486,000	336,843	1,144,000	1,012,374	14,000	20,025	14,000	20,025	12,000	12,319	Ganjam
Vizagapatam ..	516,000	589,701	1,188,000	1,127,320	85,000	81,552	85,000	81,552	180,000	208,891	Vizagapatam.
East Godavari ..	79,000	83,331	617,000	580,152	113,000	96,792	113,260	96,820	41,000	44,176	East Godavari.
West Godavari ..	45,000	41,406	673,000	635,477	80,000	59,447	80,100	59,489	13,000	12,713	West Godavari.
Kistna ..	25,000	31,975	552,000	576,415	248,000	233,878	248,100	233,878	38,000	39,062	Kistna.
Guntur ..	51,000	52,985	390,000	401,321	380,000	387,150	381,700	390,775	222,000	225,935	Guntur.
Kurnool ..	9,000	11,510	59,000	76,465	600,000	575,432	603,000	580,717	58,000	53,615	Kurnool.
Bellary ..	3,000	1,359	30,000	29,809	748,000	713,228	752,000	748,143	121,000	96,641	Bellary.
Anantapur ..	600	1,107	80,500	65,945	255,000	232,695	259,600	251,555	134,000	145,738	Anantapur.
Cuddapah ..	3,600	2,134	93,500	111,168	287,000	236,018	276,000	231,274	80,000	92,145	Cuddapah.
Nellore ..	13,000	55,319	419,000	428,856	428,000	427,557	426,000	427,557	26,000	25,102	Nellore.
Chingleput ..	129,000	153,942	683,300	751,695	5,000	5,350	5,000	5,350	12,000	12,068	Chingleput.
South Arcot ..	79,000	109,152	577,000	612,378	72,000	74,127	74,600	75,049	88,000	89,560	South Arcot.
Chittoor ..	25,000	14,793	185,000	247,095	25,000	20,497	43,000	29,119	152,000	143,126	Chittoor.
North Arcot ..	49,000	42,707	779,000	684,718	35,000	33,328	15,000	78,500	179,000	179,000	North Arcot.
Salem ..	6,000	4,170	108,000	144,850	139,000	170,422	170,000	215,324	357,000	329,767	Salem.
Coimbatore ..	1,600	1,757	99,000	106,215	241,000	227,343	478,000	477,478	382,000	385,072	Coimbatore.
Trichinopoly ..	34,000	47,345	256,000	238,313	231,000	181,872	266,000	211,656	277,000	265,328	Trichinopoly.
Tanjore ..	91,000	112,538	1,066,000	1,085,915	800	270	20,000	20,000	9,000	7,419	Tanjore.
Madura ..	3,000	2,231	311,000	328,952	192,000	208,856	204,000	208,716	56,000	62,600	Madura.
Ramannd ..	95,000	86,409	353,000	327,158	55,000	62,920	85,000	81,664	141,000	127,710	Ramannd.
Tinnevely ..	8,000	2,700	365,000	340,066	44,000	37,528	105,000	68,488	185,000	166,474	Tinnevely.
Malabar ..	877,000	876,769	677,000	876,759	270	367	270	367	..	33	Malabar.
South Kanara ..	578,000	588,282	578,000	588,262	..	..	..	..	..	..	South Kanara.
The Nilgiris ..	6,000	5,550	6,000	5,550	150	130	150	130	..	2	The Nilgiris.
Total ..	3,223,600	3,275,823	11,169,600	11,537,733	4,363,320	4,383,778	4,843,270	4,830,678	2,729,000	2,686,935	Total.

Area sown with crops in 1931-32 as compared with the normal—cont.

District.	Redgram.		Blackgram.		Bengalgram.		Horsegram.		Other pulses.		District.
	Normal. (32)	1931-32. (33)	Normal. (34)	1931-32. (35)	Normal. (36)	1931-32. (37)	Normal. (38)	1931-32. (39)	Normal. (40)	1931-32. (41)	
Ganjam ..	17,000	17,088	20,000	18,568	2,000	554	31,000	41,030	7,000	7,113	Ganjam.
Vizagapatam ..	25,000	21,760	22,000	18,290	2,000	3,300	90,000	109,750	11,000	11,724	Vizagapatam.
East Godavari ..	8,000	7,808	38,000	35,824	6,500	9,859	76,000	67,778	8,500	6,888	East Godavari
West Do. ..	5,000	5,143	3,300	3,275	3,000	2,787	50,000	47,279	5,000	4,378	West Do.
Kistna ..	4,600	5,375	10,000	15,071	8,000	7,558	38,000	38,902	3,000	2,724	Kistna.
Guntur ..	22,000	21,802	1,000	1,708	12,000	13,548	40,000	48,765	1,300	1,435	Guntur.
Kurnool ..	16,000	21,571	2,000	3,496	12,000	20,009	79,000	87,606	3,000	2,184	Kurnool.
Bellary ..	20,000	31,278	30	91	17,000	15,156	105,000	94,138	14,000	19,465	Bellary.
Anantapur ..	14,000	15,264	50	228	1,000	10,353	274,000	310,978	3,000	3,034	Anantapur.
Cuddapah ..	250	309	205	228	1,000	4,074	58,000	60,527	1,800	782	Cuddapah.
Nellore ..	1,850	1,578	2,500	2,231	800	855	83,000	113,159	1,600	3,120	Nellore.
Chingleput ..	300	156	3,000	3,961	100	71	12,000	8,817	1,200	732	Chingleput.
South Arcot ..	4,100	5,811	1,600	1,012	100	1,193	10,000	5,112	2,800	7,222	South Arcot.
Chittoor ..	1,600	1,588	600	408	100	66	31,000	41,036	400	678	Chittoor.
North Arcot ..	22,000	20,589	5,000	4,533	300	405	55,000	47,616	3,000	4,982	North Arcot.
Salem ..	16,000	14,800	7,000	6,089	2,000	1,497	220,000	222,370	20,000	19,910	Salem.
Coimbatore ..	11,000	10,782	7,000	7,959	4,000	5,360	222,000	210,471	47,000	48,080	Coimbatore.
Trichinopoly ..	23,000	11,520	1,300	1,807	200	323	40,000	41,348	7,000	6,063	Trichinopoly.
Tanjore ..	8,000	8,331	7,000	9,834	500	267	100,000	83,497	10,000	12,552	Tanjore.
Madura ..	5,000	3,555	6,000	12,039	500	371	12,000	19,051	4,000	5,552	Madura.
Ramnad ..	4,000	1,552	7,000	9,104	1,000	991	63,000	75,482	18,000	18,329	Ramnad.
Tinnevely ..	4,000	2,414	18,000	25,578	1,000	20	6,300	5,918	7,250	11,449	Tinnevely.
Malabar ..	2,000	1,718	5,000	6,158	50	..	22,000	23,503	2,000	2,102	Malabar.
South Kanara ..	..	..	11,000	11,724	..	..	..	..	..	..	South Kanara.
The Nilgiris ..	..	..	..	..	..	..	..	..	..	..	The Nilgiris.
Total ..	240,350	231,311	179,180	200,589	80,230	105,112	1,747,500	1,805,309	193,950	245,578	Total.

District.	Total pulses.		Chillies.		Other condiments and spices.		Total condiments and spices.		Sugarcane.		District.
	Normal. (42)	1931-32. (43)	Normal. (44)	1931-32. (45)	Normal. (46)	1931-32. (47)	Normal. (48)	1931-32. (49)	Normal. (50)	1931-32. (51)	
Ganjam ..	227,000	238,274	3,000	2,351	19,000	18,532	22,000	21,483	5,000	5,409	Ganjam.
Vizagapatam ..	217,000	244,646	18,000	31,038	31,500	29,499	42,000	63,537	25,000	32,903	Vizagapatam.
East Godavari ..	181,500	173,014	21,000	19,893	9,000	8,410	33,000	25,003	7,000	7,295	East Godavari
West Do. ..	69,500	73,168	7,000	10,353	3,000	4,970	10,000	15,323	900	1,050	West Do.
Kistna ..	88,500	109,945	18,000	15,439	5,000	11,557	23,000	26,028	200	483	Kistna.
Guntur ..	87,300	96,128	71,000	71,707	40,000	53,552	111,000	125,259	100	37	Guntur.
Kurnool ..	117,000	138,079	15,000	24,278	3,000	3,587	22,000	26,533	200	270	Kurnool.
Bellary ..	174,000	179,765	9,000	10,837	7,500	9,263	16,500	20,100	2,500	2,279	Bellary.
Anantapur ..	300,550	341,569	8,000	10,651	11,000	19,866	19,000	30,517	8,000	8,294	Anantapur.
Cuddapah ..	81,850	141,029	4,000	6,205	11,000	13,387	15,000	14,593	300	507	Cuddapah.
Nellore ..	107,500	141,250	2,500	2,711	11,500	14,953	30	3,614	200	289	Nellore.
Chingleput ..	19,000	21,265	1,800	2,203	5,600	7,548	7,400	9,751	7,000	10,550	Chingleput.
South Arcot ..	19,250	47,118	5,500	6,447	8,000	7,503	13,500	13,650	7,200	10,177	South Arcot.
Chittoor ..	83,800	77,558	3,300	4,285	6,000	6,170	8,300	10,555	3,600	7,314	Chittoor.
North Arcot ..	284,000	295,989	7,000	11,583	8,000	8,294	15,000	13,680	4,000	6,583	North Arcot.
Salem ..	207,500	309,655	11,000	16,648	11,000	9,853	22,000	26,501	8,000	8,619	Salem.
Coimbatore ..	72,500	63,626	8,000	10,642	19,000	20,556	27,000	31,198	5,000	4,804	Coimbatore.
Trichinopoly ..	69,700	103,336	5,000	4,380	3,500	3,135	8,500	7,515	500	582	Trichinopoly.
Tanjore ..	122,300	113,336	9,000	10,831	10,000	9,311	19,000	20,142	2,900	2,265	Tanjore.
Madura ..	30,500	38,772	9,000	9,894	7,000	7,003	16,000	16,597	300	624	Madura.
Ramnad ..	116,000	136,478	23,000	23,871	8,000	13,034	31,000	33,955	200	285	Ramnad.
Tinnevely ..	24,200	26,711	3,800	3,323	10,000	10,932	15,800	16,720	70	51	Tinnevely.
Malabar ..	43,000	46,641	5,000	5,788	500	571	..	..	3,600	3,670	Malabar.
South Kanara ..	..	..	..	..	..	..	..	..	..	..	South Kanara.
The Nilgiris ..	..	..	..	..	..	..	..	..	..	..	The Nilgiris.
Total ..	2,380,320	3,140,112	288,750	330,927	318,450	397,468	632,200	728,395	100,000	116,105	Total.

(a) Includes 5,401 acres under turmeric. (b) Includes 1,929 acres under garlic and 9,467 acres under turmeric. (c) Includes 1,517 acres under turmeric. (d) Includes 43,172 acres under coriander and 5,483 acres under turmeric. (e) Includes 13,789 acres under coriander. (f) Includes 3,683 acres under turmeric. (g) Includes 2,571 acres under garlic. (h) Includes 16,519 acres under coriander. (i) Includes 3,683 acres under turmeric. (j) Includes 7,528 acres under turmeric, 83,109 acres under pepper and 10,635 acres under ginger. (k) Includes 12,534 acres under coriander and under pepper. (l) Includes 10,185 acres under garlic, 143,155 acres under coriander, 43,536 acres under turmeric, 1,777 acres under cardamoms and 7,534 acres under pepper and 11,304 acres under ginger.

District.	Sugar (others).		Total sugar.		Mangoes.		Plantain.		Other fruits and vegetables including root crops.		District.
	Normal. (52)	1931-32. (53)	Normal. (54)	1931-32. (55)	Normal. (56)	1931-32. (57)	Normal. (58)	1931-32. (59)	Normal. (60)	1931-32. (61)	
Ganjam ..	200	58	5,200	5,477	23,000	24,102	4,000	2,700	13,000	14,946	Ganjam.
Vizagapatam ..	1,200	2,795	36,200	36,698	11,000	35,687	3,700	3,465	32,000	32,000	Vizagapatam.
East Godavari ..	250	823	7,250	8,118	27,000	30,148	5,000	5,044	10,500	11,463	East Godavari
West Do. ..	500	694	1,400	1,754	9,000	9,242	4,000	4,173	10,500	10,228	West Do.
Kistna ..	3,000	1,721	3,100	1,758	9,000	9,521	400	506	5,000	3,764	Kistna.
Guntur ..	4,200	3,423	1,200	3,906	2,200	2,294	750	993	7,000	13,986	Guntur.
Kurnool ..	1,000	1,127	1,200	1,397	3,200	3,378	300	422	3,000	4,353	Kurnool.
Bellary ..	300	447	8,000	9,726	2,800	2,389	500	595	3,800	4,095	Bellary.
Anantapur ..	7,000	13,120	9,000	16,714	3,300	4,379	30	27	7,000	7,506	Anantapur.
Cuddapah ..	400	860	700	1,667	10,000	11,604	200	342	7,500	8,950	Cuddapah.
Nellore ..	2,400	1,526	2,400	1,577	4,000	6,507	300	638	2,800	2,326	Nellore.
Chingleput ..	1,500	1,488	1,700	1,777	2,000	4,369	1,500	2,782	5,000	3,380	Chingleput.
South Arcot ..	2,200	1,266	8,200	11,806	1,300	2,290	1,000	1,657	18,000	18,556	South Arcot.
Chittoor ..	1,900	1,742	9,000	11,919	23,500	25,252	700	699	3,000	3,268	Chittoor.
North Arcot ..	2,700	2,164	6,700	9,478	15,000	14,161	400	1,117	7,000	6,347	North Arcot.
Salem ..	600	599	4,000	6,882	4,000	4,279	3,500	4,747	4,000	7,426	Salem.
Coimbatore ..	400	638	8,400	9,257	400	431	3,000	5,161	9,000	11,657	Coimbatore.
Trichinopoly ..	400	485	5,000	5,289	2,500	2,469	8,700	9,951	12,000	11,046	Trichinopoly.
Tanjore ..	3,000	3,831	3,000	4,393	6,400	6,714	11,000	12,258	13,000	11,316	Tanjore.
Madura ..	1,000	1,137	3,000	3,422	4,000	3,742	11,000	16,180	11,000	13,875	Madura.
Ramnad ..	2,250	2,106	2,500	2,730	600	581	5,000	3,847	11,000	6,795	Ramnad.
Tinnevely ..	33,000	32,004	32,000	32,290	1,000	1,039	6,500	6,928	10,000	10,978	Tinnevely.
Malabar ..	13,000	16,087	13,000	13,138	48,100	50,127	50,000	55,857	83,000	94,163	Malabar.
South Kanara ..	300	355	3,900	3,925	2,500	2,481	2,800	3,258	17,000	18,285	South Kanara.
The Nilgiris ..	..	..	..	..	..	..	..	..	..	..	The Nilgiris.
Total ..	81,160	90,796	182,060	208,001	243,500	260,187	127,830	144,187	314,300	336,721	Total.

(a) Includes 4,581 acres under onions. (b) Includes 4,484 acres under onions. (c) Includes 4,353 acres under onions. (d) Includes 4,555 acres under onions. (e) Includes 7,251 acres under onions. (f) Includes 6,001 acres under onions. (g) Includes 4,768 acres under onions. (h) Includes 9,873 acres under potatoes. (i) Includes 58,810 acres under onions.

Area sown with crops in 1931-32 as compared with the normal—cont.

District.	Total fruits and vegetables including root crops.		Miscellaneous food crops.		Total food crops.		Groundnut.		Gingelly.		District.
	Normal. (62)	1931-32. (63)	Normal. (64)	1931-32. (65)	Normal. (66)	1931-32. (67)	Normal. (68)	1931-32. (69)	Normal. (70)	1931-32. (71)	
Ganjam ..	ACS. 40,000	ACS. 41,748	ACS. 2,500	ACS. 4,801	ACS. 1,696,930	ACS. 1,625,393	ACS. 45,000	ACS. 44,218	ACS. 50,000	ACS. 37,655	Ganjam.
Vizagapatam ..	75,700	67,488	11,000	18,835	2,621,900	2,520,469	19,600	131,025	141,000	146,100	Vizagapatam.
East Godavari ..	42,500	46,660	600	2,270	1,091,630	1,123,002	400	336	76,000	73,556	East Godavari.
West Godavari ..	23,000	23,943	500	321	883,600	889,889	4,000	2,928	64,000	63,301	West Godavari.
Kistna ..	14,400	18,791	700	987	1,011,620	1,028,478	17,000	43,755	10,000	9,816	Kistna.
Guntur ..	9,950	17,273	1,000	879	1,683,860	1,735,809	200,000	205,281	1,300	1,062	Guntur.
Kurnool ..	6,500	8,151	100	166	1,416,900	1,492,560	410,000	396,321	3,000	2,663	Kurnool.
Belary ..	6,600	7,079	500	564	1,636,430	1,570,781	222,000	257,428	18,000	19,847	Belary.
Anantapur ..	10,332	11,912	1,000	1,088	1,430,780	1,399,831	216,000	247,702	26,000	27,403	Anantapur.
Cuddapah ..	17,700	20,896	400	418	618,100	845,405	210,000	183,300	7,000	4,885	Cuddapah.
Nellore ..	7,100	9,471	300	1,077	1,332,330	1,395,649	9,000	7,860	4,600	3,392	Nellore.
Chingleput ..	8,500	10,531	3,000	2,455	868,800	906,206	52,000	27,725	20,000	25,002	Chingleput.
South Arcot ..	20,900	22,505	1,000	9,884	1,100,750	1,138,295	468,000	387,745	47,000	31,847	South Arcot.
Chittoor ..	27,200	29,219	1,600	126	793,300	731,371	132,600	65,405	5,000	6,356	Chittoor.
North Arcot ..	22,400	21,628	700	514	1,024,900	1,124,732	362,000	247,034	31,000	26,187	North Arcot.
Salem ..	11,500	16,452	5,000	879	1,505,300	1,504,652	150,000	82,398	59,000	42,725	Salem.
Coimbatore ..	12,400	17,159	200	183	1,610,000	1,571,526	158,000	126,716	40,000	25,683	Coimbatore.
Trichinopoly ..	23,200	24,375	..	88	1,424,500	1,210,369	115,000	82,558	51,000	59,370	Trichinopoly.
Tanjore ..	30,400	30,288	900	3,093	1,328,900	1,345,047	91,000	65,528	26,000	21,467	Tanjore.
Madurai ..	29,500	33,747	500	69	1,119,700	1,037,712	60,000	55,540	28,000	29,047	Madurai.
Ramanad ..	16,800	11,222	1,000	1,913	931,550	984,118	37,000	37,166	24,000	28,069	Ramanad.
Timinevelly ..	17,500	16,946	1,000	1,263	991,000	923,010	4,500	5,257	60,000	52,567	Timinevelly.
Malabar ..	181,100	200,147	12,400	16,162	1,251,890	1,260,578	2,200	2,067	11,000	10,141	Malabar.
South Kanara ..	22,300	24,125	..	..	669,750	686,620	..	4	2,700	2,652	South Kanara.
The Nilgiris ..	10,160	12,321	..	..	32,510	33,076	..	..	30	..	The Nilgiris.
Total ..	688,630	741,075	44,800	68,422	29,988,030	30,375,149	3,068,400	2,635,427	789,630	747,053	Total.

Area sown with crops in 1931-32 as compared with the normal—cont.

District.	Cotton irrigated and unirrigated.		Other fibres.		Total fibres.		Indigo.		Other dyes.		District.
	Normal (82)	1931-32. (83)	Normal. (84)	1931-32. (85)	Normal. (86)	1931-32. (87)	Normal. (88)	1931-32. (89)	Normal. (90)	1931-32. (91)	
Ganjam ..	ACS. 1,600	ACS. 1,278	ACS. 2,300	(a) 1,199	ACS. 3,800	2,477	..	..	ACS. 800	780	Ganjam.
Vizagapatam ..	18,000	16,967	54,000	(b) 52,083	72,000	69,050	..	2	2,000	800	Vizagapatam.
East Godavari ..	10,000	6,638	16,000	(c) 19,624	26,000	26,264	400	209	..	..	East Godavari.
West Godavari ..	1,000	1,034	2,000	6,743	3,000	7,777	..	35	30	32	West Godavari.
Kistna ..	44,000	29,917	24,000	(d) 39,491	68,000	69,108	1,500	432	..	..	Kistna.
Guntur ..	113,000	88,662	800	937	173,000	107,590	1,200	465	..	22	Guntur.
Kurnool ..	210,000	209,680	800	937	240,850	210,617	3,000	2,200	..	..	Kurnool.
Bellary ..	556,000	611,507	200	338	556,200	611,845	..	..	200	1,924	Bellary.
Anantapur ..	175,000	139,477	1,800	101	176,800	139,578	..	103	..	..	Anantapur.
Cuddapah ..	54,000	47,994	500	423	54,500	48,417	5,000	4,850	..	..	Cuddapah.
Nellore ..	42,000	31,681	2,200	(f) 2,061	44,200	33,742	10,000	5,734	..	..	Nellore.
Chingleput ..	20	18	..	..	..	..	3,000	1,909	30	6	Chingleput.
South Arcot ..	2,100	1,129	200	418	2,300	1,547	10,000	7,183	..	..	South Arcot.
Chittoor ..	150	36	150	82	300	118	9,000	8,788	..	..	Chittoor.
North Arcot ..	2,300	583	200	258	2,500	641	3,300	3,674	100	54	North Arcot.
Salem ..	60,000	48,262	600	979	60,600	49,241	1,000	1,013	30	67	Salem.
Coimbatore ..	338,000	321,271	700	2,206	338,700	323,477	..	..	..	..	Coimbatore.
Trichinopoly ..	53,000	58,433	200	277	53,200	58,713	500	122	..	47	Trichinopoly.
Tanjore ..	1,000	196	400	284	1,400	490	100	53	100	92	Tanjore.
Madura ..	179,000	143,027	500	701	179,500	143,728	100	122	..	..	Madura.
Ramnad ..	243,000	207,819	500	3	243,500	207,822	900	16	..	..	Ramnad.
Tinnevely ..	280,000	238,285	300	138	280,300	238,623	200	328	1,000	1,183	Tinnevely.
Malabar ..	400	628	150	131	400	628	..	..	..	..	Malabar.
South Kanara ..	200	174	380	472	680	616	..	..	..	..	South Kanara.
The Nilgiris ..	..	..	..	1	..	1	..	..	100	250	The Nilgiris.
Total ..	2,411,670	2,204,605	168,400	(g) 149,231	2,580,130	2,353,737	49,720	37,239	4,390	5,237	Total.

(e) Includes 860 acres under jute.

(f) Includes 31,562 acres under Bombay hemp and 12,260 acres under sunnhemp.

(c) Includes 18,957 acres under sunnhemp.

(d) Includes 37,100 acres under sunnhemp.

(e) Includes 8,529 acres under Bombay hemp and 10,371 acres under sunnhemp.

(f) Includes 800 acres under jute.

(g) Includes 1,567 acres under jute, 45,318 acres under Bombay hemp and 59,693 acres under sunnhemp.

District.	Total dyes.		Tobacco.		Other drugs and narcotics.		Total drugs and narcotics.		Fodder crops.		District.
	Normal (92)	1931-32. (93)	Normal. (94)	1931-32. (95)	Normal. (96)	1931-32. (97)	Normal. (98)	1931-32. (99)	Normal. (100)	1931-32. (101)	
Ganjam ..	ACS. 800	ACS. 760	ACS. 3,000	ACS. 3,343	ACS. 500	ACS. 524	ACS. 3,500	ACS. 3,867	ACS. 1,000	ACS. 19	Ganjam.
Vizagapatam ..	2,000	802	52,000	51,117	4,500	4,682	55,500	55,809	20,000	12,038	Vizagapatam.
East Godavari ..	100	202	14,500	13,856	800	429	15,300	14,285	16,000	18,947	East Godavari.
West Godavari ..	50	63	7,000	7,735	50	42	7,050	7,777	6,000	7,051	West Godavari.
Kistna ..	1,500	432	8,000	6,946	30	..	8,030	6,946	92,000	61,904	Kistna.
Guntur ..	1,200	487	103,000	97,177	400	462	103,400	97,639	170,000	204,655	Guntur.
Kurnool ..	3,000	2,200	7,000	12,279	5,000	10,643	12,000	22,922	100	625	Kurnool.
Bellary ..	200	1,921	3,000	6,418	600	641	3,600	7,059	..	726	Bellary.
Anantapur ..	500	103	5,000	7,872	1,400	1,391	6,400	9,263	100	884	Anantapur.
Cuddapah ..	5,000	4,853	1,500	2,481	600	874	2,100	3,355	200	726	Cuddapah.
Nellore ..	10,000	5,734	2,200	2,924	500	533	3,100	3,457	4,000	7,111	Nellore.
Chingleput ..	3,000	1,915	50	37	1,500	1,290	1,500	1,327	..	11	Chingleput.
South Arcot ..	10,000	7,183	1,700	1,812	1,000	1,128	2,700	2,940	100	875	South Arcot.
Chittoor ..	9,000	8,788	500	787	1,500	1,628	2,000	2,425	50	130	Chittoor.
North Arcot ..	3,100	3,728	3,000	2,434	1,410	1,452	4,410	3,886	40	104	North Arcot.
Salem ..	1,000	1,080	5,000	4,285	12,200	(h) 13,716	17,200	18,001	8,000	10	Salem.
Coimbatore ..	..	..	33,000	31,327	27,300	(i) 33,161	60,300	64,491	50	107	Coimbatore.
Trichinopoly ..	500	169	3,000	3,555	1,300	1,425	4,300	4,280	200	33	Trichinopoly.
Tanjore ..	200	155	1,900	1,774	2,300	(j) 2,475	4,100	4,249	..	659	Tanjore.
Madura ..	100	112	10,000	6,423	13,200	(k) 14,777	23,200	21,200	2,500	1,405	Madura.
Ramnad ..	900	16	3,000	1,223	4,000	(l) 5,887	7,000	7,810	35,000	46,901	Ramnad.
Tinnevely ..	1,200	1,511	1,300	777	6,820	(m) 4,668	8,220	5,446	67,000	92,854	Tinnevely.
Malabar ..	..	..	50	62	53,700	(n) 101,523	58,750	101,523	50	..	Malabar.
South Kanara ..	..	..	1,400	1,450	18,420	(o) 18,622	19,820	20,072	1,000	1,396	South Kanara.
The Nilgiris ..	100	250	50	21	52,000	(p) 54,484	52,000	54,500	40	13	The Nilgiris.
Total ..	54,110	42,476	270,550	268,815	255,930	(q) 276,480	523,180	545,295	423,430	461,978	Total.

(i) Includes 23,714 acres under tea, 2,602 acres under coffee and 2,025 acres under betelvines.

(j) Includes 2,114 acres under betelvines.

(k) Includes 10,960 acres under coffee and 2,602 acres under betelvines.

(l) Includes 4,287 acres under senna.

(m) Includes 5,100 acres under coffee.

(n) Includes 10,960 acres under coffee and 2,602 acres under betelvines.

(o) Includes 21,258 acres under coffee, 31,836 acres under tea, and 1,361 acres under cinchona.

(p) Includes 61,160 acres under coffee, 68,794 acres under tea, 1,537 acres under cinchona, 231 acres under Indian hemp 33,315 acres under betelvines and 96,729 acres under arecanuts.

District.	Miscellaneous non-food crops.		Total non-food crops.		Grand total.		Area sown more than once.		Net area cropped.		District.
	Normal. (102)	1931-32. (103)	Normal. (104)	1931-32. (105)	Normal. (106)	1931-32. (107)	Normal. (108)	1931-32. (109)	Normal. (110)	1931-32. (111)	
Ganjam ..	ACS. 100	ACS. 83	ACS. 130,200	ACS. 117,230	ACS. 1,827,130	1,743,123	316,000	322,070	ACS. 1,421,058	ACS. 1,421,058	Ganjam.
Vizagapatam ..	5,000	2,205	604,000	523,795	1,125,900	1,144,264	505,000	518,874	2,522,900	2,595,399	Vizagapatam.
East Godavari ..	100	229	192,700	193,606	1,284,330	1,310,608	281,000	290,585	1,008,339	1,026,020	East Godavari.
West Godavari ..	50	269	102,150	108,085	686,750	997,774	192,000	191,634	793,750	806,140	West Godavari.
Kistna ..	200	38	211,330	205,118	1,222,950	1,233,594	144,000	146,155	1,078,550	1,087,458	Kistna.
Guntur ..	500	1,627	680,650	658,767	3,774,510	3,692,566	296,000	301,743	2,078,510	2,087,823	Guntur.
Kurnool ..	1,000	143	707,420	672,209	3,124,320	2,165,569	54,000	73,559	2,070,820	2,092,010	Kurnool.
Bellary ..	8,000	7,063	845,600	835,557	2,482,030	2,504,268	55,000	69,831	2,427,030	2,431,457	Bellary.
Anantapur ..	9,000	6,443	511,350	519,840	1,942,130	1,919,671	78,000	61,065	1,884,130	1,869,606	Anantapur.
Cuddapah ..	6,000	2,856	298,450	267,268	1,118,160	1,112,673	85,000	80,463	1,031,160	1,032,204	Cuddapah.
Nellore ..	5,000	2,800	132,200	109,763	1,461,530	1,505,402	164,000	196,465	1,300,530	1,308,937	Nellore.
Chingleput ..	10,000	23,917	108,453	87,342	975,550	993,548	200,000	226,226	775,550	767,322	Chingleput.
South Arcot ..	12,000	8,122	542,500	393,684	1,643,250	1,632,279	260,000	232,651	1,383,250	1,299,618	South Arcot.
Chittoor ..	4,500	2,937	168,800	104,871	872,900	836,542	140,000	124,210	732,900	715,332	Chittoor.
North Arcot ..	20,000	(q) 20,073	431,200	330,294	1,456,100	1,446,026	285,000	301,588	1,171,100	1,143,438	North Arcot.
Salem ..	1,300	1,696	627,330	227,376	1,832,630	1,833,028	268,000	215,493	1,564,630	1,516,535	Salem.
Coimbatore ..	10,000	4,318	643,780	563,498	2,284,780	2,135,124	295,000	275,025	1,860,099	1,860,099	Coimbatore.
Trichinopoly ..	1,200	1,612	634,300	203,205	1,466,800	1,413,595	129,000	135,169	1,336,800	1,278,426	Trichinopoly.
Tanjore ..	14,000	7,639	172,100	141,475	1,509,000	1,486,522	145,000	202,035	1,361,000	1,281,517	Tanjore.
Madura ..	4,500	6,204	323,500	266,875	1,442,200	1,364,587	150,000	147,475	1,299,200	1,217,112	Madura.
Ramnad ..	2,000	7,742	356,260	342,321	1,286,900	1,326,439	61,000	44,470	1,225,900	1,281,969	Ramnad.
Tinnevely ..	11,000	4,571	488,140	427,656	1,432,140	1,350,666	232,000	176,183	1,197,140	1,174,483	Tinnevely.
Malabar ..	23,000	(r) 21,763	487,620	452,419	1,739,410	1,743,827	273,000	284,485	1,466,410	1,458,342	Malabar.
South Kanara ..	250	240	742,380	73,756	760,276	760,276	197,000	202,974	657,302	657,302	South Kanara.
The Nilgiris ..	1,000	1,652	63,270	56,510	85,780	89,583	4,400	5,361	81,380	84,225	The Nilgiris.
Total ..	182,980	(s) 137,272	8,694,170	7,969,428	38,672,200	38,314,577	4,837,400	4,848,779	33,834,600	33,495,798	Total.

APPENDIX VII (paragraph 9, page 2 of the report).

Percentage of area under main crops in 1931-32 to the total area sown.

District.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	District.
	Paddy.	Cholan.	Camba.	Ragi.	Korra.	Cereals.	Pulses other than horsegram.	Food crops.	Ground- nut.	Gingelly.	Caster.	Cocanut.	Cotton.	Jadigo.	Tobacco.	Non- food crops.			
Ganjam ..	58	1	..	10	..	73	14	93	..	2	..	..	..	..	..	7	Ganjam.		
Vizagapatam ..	36	3	7	16	..	70	4	83	..	5	..	..	1	..	..	17	Vizagapatam.		
East Godavari ..	51	7	..	..	..	66	..	85	..	..	..	..	..	..	..	15	East Godavari.		
West Godavari ..	69	6	..	..	..	78	..	89	..	6	..	4	..	..	..	11	West Godavari.		
Kistna ..	46	19	..	..	..	72	..	83	..	1	1	..	2	..	..	17	Kistna.		
Guntur ..	17	16	10	..	4	62	..	73	9	..	2	..	4	..	4	27	Guntur.		
Kurnool ..	..	27	3	..	21	61	..	69	18	..	1	..	10	..	..	31	Kurnool.		
Bellary ..	..	30	4	..	17	54	..	63	9	..	1	..	24	..	..	37	Bellary.		
Anantapur ..	..	18	6	..	12	52	..	72	13	..	4	..	7	..	..	27	Anantapur.		
Cuddapah ..	10	27	11	6	8	66	..	76	16	..	4	..	4	..	..	24	Cuddapah.		
Nellore ..	28	28	7	5	..	93	..	93	..	..	3	..	..	..	..	7	Nellore.		
Chingleput ..	76	..	..	7	..	88	..	91	..	..	..	..	2	..	..	9	Chingleput.		
South Arcot ..	49	..	7	6	..	39	..	74	13	..	..	..	..	..	..	26	South Arcot.		
Chittoor ..	39	..	19	18	..	75	..	67	8	..	..	..	..	..	..	13	Chittoor.		
North Arcot ..	40	..	8	7	..	70	..	78	18	..	..	..	..	2	..	52	North Arcot.		
Salem ..	8	12	20	16	..	69	..	68	4	2	1	..	3	..	..	12	Salem.		
Coimbatore ..	5	22	16	8	..	56	..	74	6	1	..	..	16	..	1	26	Coimbatore.		
Trichinopoly ..	21	15	21	6	..	77	..	86	6	4	..	..	3	..	..	14	Trichinopoly.		
Tanjore ..	73	..	..	..	..	80	..	90	4	..	..	2	..	..	..	10	Tanjore.		
Madura ..	24	21	5	4	..	68	..	80	4	..	..	..	10	..	..	20	Madura.		
Ramnad ..	30	6	12	7	..	69	..	74	..	..	..	..	16	..	..	26	Ramnad.		
Tinnevely ..	25	5	13	..	..	62	..	68	..	4	..	..	19	..	..	32	Tinnevely.		
Malabar ..	50	..	..	..	..	52	..	74	..	..	..	18	..	..	..	26	Malabar.		
South Kanara ..	77	..	..	..	..	73	..	90	..	..	..	6	..	..	..	10	South Kanara.		
The Nilgiris ..	6	..	..	..	..	22	..	37	..	..	..	..	..	..	..	63	The Nilgiris.		
Total ..	30	13	8	6	4	66	3	79	7	2	1.	1	6	Nil.	1	21	Total.		

Normal yield per acre and the yield per acre attained in 1931-32—cont.

District.	Samal.		Maize		Bengalgram		Horsegram		Sugarcane		Groundnut		District.
	Normal (22)	1931-32 (23)	Normal (24)	1931-32 (25)	Normal (26)	1931-32 (27)	Normal (28)	1931-32 (29)	Normal (30)	1931-32 (31)	Normal (32)	1931-32 (33)	
Ganjam ..	500	480	1,000	1,020	425	425	158	158	5,000	4,550	1,058	1,058	Ganjam.
Vizagapatam ..	500	510	1,000	1,010	530	530	216	216	6,500	6,760	1,120	1,120	Vizagapatam.
East Godavari ..	500	618	1,000	1,100	510	510	182	182	7,500	7,425	1,252	1,252	East Godavari.
West Godavari ..	500	652	1,000	950	490	490	184	184	7,500	7,300	1,232	1,232	West Godavari.
Kistna ..	500	660	1,000	1,078	515	515	208	208	7,500	7,875	1,232	1,232	Kistna.
Guntur ..	500	..	1,000	1,000	475	475	164	164	7,500	7,425	1,231	1,231	Guntur.
Kurnool ..	400	410	1,000	1,100	495	495	212	212	4,500	4,455	1,187	1,187	Kurnool.
Bellary ..	100	400	1,000	750	380	380	504	504	6,300	6,700	986	986	Bellary.
Anantapur ..	400	344	1,000	810	555	555	158	158	4,300	3,784	784	784	Anantapur.
Cuddapah ..	400	421	1,000	1,180	385	385	183	183	6,000	5,580	911	911	Cuddapah.
Nellore ..	400	412	1,000	1,000	550	550	183	183	6,000	6,300	1,232	1,232	Nellore.
Chingleput ..	500	420	1,000	780	400	400	201	201	6,000	5,780	1,086	1,086	Chingleput.
South Arcot ..	500	465	1,000	1,000	375	375	184	184	6,500	6,120	957	957	South Arcot.
Chittoor ..	500	500	1,000	1,140	435	435	204	204	7,300	7,300	1,210	1,210	Chittoor.
North Arcot ..	500	536	1,000	1,080	550	550	190	190	6,000	5,700	1,012	1,012	North Arcot.
Balea ..	400	380	1,000	1,000	541	541	206	206	6,000	5,890	1,069	1,069	Salem.
Coimbatore ..	400	380	1,000	970	465	465	198	198	7,500	6,975	1,053	1,053	Coimbatore.
Trichinopoly ..	500	430	1,000	800	335	335	194	194	5,000	4,650	983	983	Trichinopoly.
Tanjore ..	500	475	1,000	710	300	300	200	200	6,000	5,340	980	980	Tanjore.
Madura ..	500	515	1,000	770	440	440	194	194	6,000	6,000	1,109	1,109	Madura.
Ramnad ..	500	475	1,000	850	550	550	200	200	4,500	4,565	1,188	1,188	Ramnad.
Tinnevely ..	400	432	1,000	1,000	470	470	200	200	4,500	3,960	1,053	1,053	Tinnevely.
Malabar ..	400	365	1,000	..	..	..	142	142	6,000	5,760	773	773	Malabar.
South Kanara ..	500	445	1,000	..	..	..	202	202	5,400	5,444	..	..	South Kanara.
The Nilgiris ..	600	640	1,000	..	..	..	..	..	6,000	6,300	..	..	The Nilgiris.
Presidency.	453	451	1,053	1,021	462	462	191	191	6,380	6,544	1,049	1,049	Presidency.

District.	Gingelly.		Caster.		Cotton irrigated.		Cotton unirrigated.		Indigo.		Tonacoe (dry leaf).		District.
	Normal (31)	1931-32 (32)	Normal (33)	1931-32 (34)	Normal (35)	1931-32 (36)	Normal (37)	1931-32 (38)	Normal (39)	1931-32 (40)	Normal (41)	1931-32 (42)	
Ganjam ..	280	221	250	213	..	..	50	40	..	1,000	960	960	Ganjam.
Vizagapatam ..	336	356	250	275	..	..	50	50	..	1,000	1,110	1,110	Vizagapatam.
East Godavari ..	336	316	250	265	..	..	75	65	39	1,300	1,235	1,235	East Godavari.
West Godavari ..	336	296	250	215	..	..	75	50	23	1,300	1,157	1,157	West Godavari.
Kistna ..	336	336	250	288	..	..	75	62	24	1,300	1,404	1,404	Kistna.
Guntur ..	280	280	250	273	..	..	75	76	18	1,300	1,313	1,313	Guntur.
Kurnool ..	224	224	150	169	..	..	50	52	26	1,000	1,090	1,090	Kurnool.
Bellary ..	224	211	150	144	..	..	50	34	..	1,000	890	890	Bellary.
Anantapur ..	224	118	150	119	..	..	50	34	17	1,000	860	860	Anantapur.
Cuddapah ..	224	183	150	156	..	..	50	42	22	1,000	940	940	Cuddapah.
Nellore ..	280	288	250	268	..	..	75	88	15	1,300	1,144	1,144	Nellore.
Chingleput ..	280	288	250	275	..	..	..	..	26	1,000	1,010	1,010	Chingleput.
South Arcot ..	280	255	250	240	250	235	(a) 59	57	23	1,000	890	890	South Arcot.
Chittoor ..	280	308	250	243	250	273	(a) 55	72	31	1,000	1,670	1,670	Chittoor.
North Arcot ..	280	246	250	223	250	280	50	45	17	1,000	970	970	North Arcot.
Salem ..	280	252	400	400	250	280	(a) 79	73	23	1,200	1,140	1,140	Salem.
Coimbatore ..	280	252	400	400	239	249	(a) 76	66	..	1,200	1,128	1,128	Coimbatore.
Trichinopoly ..	336	319	400	404	250	278	(a) 65	58	27	1,200	1,152	1,152	Trichinopoly.
Tanjore ..	336	282	400	372	..	..	65	43	27	1,200	980	980	Tanjore.
Madura ..	280	266	400	400	250	253	(a) 107	98	25	1,200	1,152	1,152	Madura.
Ramnad ..	280	274	400	412	250	243	(a) 109	100	..	1,200	1,164	1,164	Ramnad.
Tinnevely ..	280	280	400	376	250	220	(a) 110	95	22	1,200	1,068	1,068	Tinnevely.
Malabar ..	224	197	400	364	..	..	50	52	..	1,200	720	720	Malabar.
South Kanara ..	280	291	400	376	..	..	50	52	..	1,200	1,164	1,164	South Kanara.
The Nilgiris ..	..	..	..	..	..	..	..	..	..	1,200	816	816	The Nilgiris.
Presidency ..	301	289	231	224	242	252	73	61	23	1,195	1,183	1,183	Presidency.

(a) Figures of normal yield of lint per acre for each variety of cotton in the southern half of the Presidency are—irrigated, combedia 250 lb.; irrigated karunganni in Coimbatore 150 lb.; dry combedia, 80 lb. in Salem, Coimbatore, and Trichinopoly, 100 lb. in Madura, Ramnad and Tinnevely, and 60 lb. elsewhere; Uppan 65 lb.; dry karunganni in Coimbatore 85 lb.; Nadam and Bourbon 20 lb.; Tinnevelly 103 lb.

Note—(1) The normal yield per acre for the Presidency is 1,574 lb. for paddy, 664 lb. for cholam, 618 lb. for cumbu, 1,052 lb. for ragi and 87 lb. for cotton.

(2) The yield per acre for the Presidency in 1931-32 is 1,550 lb. for paddy, 609 lb. for cholam, 507 lb. for cumbu, 1,033 lb. for ragi and 76 lb. for cotton.

(3) The normal yield per acre is 100 lb. for bengalgram, 200 lb. for horsegram, 4,120 lb. for groundnut, and 28 lb. for indigo.

APPENDIX IX.

Seasonal factor and the total produce of the principal crops in 1931-32 as compared with the normal.

District.	Paddy (a).			Cholam (a).			Cumbu (a).			District.
	Normal (2)	S.F. (3)	1931-32 (4)	Normal (5)	S.F. (6)	1931-32 (7)	Normal (8)	S.F. (9)	1931-32 (10)	
Ganjam ..	555,500	88	445,000	4,380	110	6,900	3,530	103	3,750	Ganjam.
Vizagapatam ..	597,900	112	650,450	27,760	99	25,100	69,760	95	62,860	Vizagapatam.
East Godavari ..	512,100	100	552,900	35,450	110	32,320	11,500	103	13,450	East Godavari.
West Godavari ..	580,900	92	546,050	25,060	81	15,070	3,630	91	3,820	West Godavari.
Kistna ..	434,300	105	459,300	77,580	91	66,510	10,700	100	11,200	Kistna.
Guntur ..	287,400	103	315,100	107,890	89	98,700	64,170	93	60,600	Guntur.
Kurnool ..	39,700	105	49,600	170,880	100	164,150	20,680	105	20,290	Kurnool.
Bellary ..	21,700	96	20,250	152,950	76	118,300	24,580	88	17,210	Bellary.
Anantapur ..	60,880	99	44,480	75,500	73	60,500	30,050	87	22,760	Anantapur.
Cuddapah ..	73,700	97	85,810	86,730	92	80,100	44,700	105	60,800	Cuddapah.
Nellore ..	281,100	95	276,150	119,480	97	112,200	58,900	100	54,400	Nellore.
Chingleput ..	446,600	103	503,300	2,700	89	1,420	6,270	111	6,200	Chingleput.
South Arcot ..	450,100	96	446,500	21,640	93	19,070	34,040	90	30,100	South Arcot.
Chittoor ..	146,900	107	218,350	18,590	103	11,700	49,460	100	49,000	Chittoor.
North Arcot ..	881,300	97	465,300	22,780	83	21,800	119,560	94	109,000	North Arcot.
Salem ..	86,940	98	117,950	69,200	89	73,600	119,900	97	109,000	Salem.
Coimbatore ..	83,670	94	83,890	183,000	87	182,600	92,300	92	72,500	Coimbatore.
Trichinopoly ..	203,500	95	223,300	65,800	87	67,800	73,400	97	73,400	Trichinopoly.
Tanjore ..	829,300	87	709,700	5,310	89	7,050	3,290	94	2,830	Tanjore.
Madura ..	259,300	104	268,730	100,100	90	103,750	17,550	108	17,250	Madura.
Ramnad ..	229,900	105	267,000	28,230	98	22,450	35,920	108	32,300	Ramnad.
Tinnevely ..	322,370	94	251,250	47,680	83	32,400	39,430	110	38,100	Tinnevely.
Malabar ..	548,100	95	526,050	..	101	..	..	100	..	Malabar.
South Kanara ..	387,000	101	347,850	..	30	..	..	..	..	South Kanara.
The Nilgiris ..	4,820	92	4,200	..	104	..	..	..	..	The Nilgiris.
Total ..	7,542,450	99	8,037,450	1,436,270	92	1,314,340	852,290	98	779,720	Total.

sonal factor and the total produce of the principal crops in 1931-32 as compared with the normal—cont.

District.	Ragi (a).			Korra (a).			Varagu (a).			District.
	Normal. (11)	S.F. (12)	1931-32. (13)	Normal. (14)	S.F. (15)	1931-32. (16)	Normal. (17)	S.F. (18)	1931-32. (19)	
	TONS.		TONS.	TONS.		TONS.	TONS.		TONS.	
Ganjam ..	62,200	85	54,250	1,340	60	690	630	91	333	Ganjam.
Vizagapatam ..	175,100	113	213,650	6,160	117	8,700	3,130	93	2,600	Vizagapatam.
East Godavari ..	11,230	99	10,420	1,560	97	1,800	1,430	58	2,230	East Godavari.
West Godavari ..	2,130	88	2,620	383	78	470	710	83	680	West Godavari.
Kistna ..	3,070	89	3,200	1,090	108	1,000	1,930	82	1,933	Kistna.
Guntur ..	10,950	89	10,000	23,803	108	25,100	1,580	87	1,540	Guntur.
Kurnool ..	15,750	99	14,000	62,500	113	79,400	18,800	120	20,600	Kurnool.
Bellary ..	7,990	104	6,400	73,900	93	62,700	220	65	810	Bellary.
Anantapur ..	69,630	92	52,300	48,400	81	29,600	9,150	55	3,950	Anantapur.
Cuddapah ..	54,000	95	48,400	18,200	92	14,950	6,430	94	3,700	Cuddapah.
Nellore ..	63,210	104	59,300	9,050	109	10,500	32,700	112	32,900	Nellore.
Chingleput ..	38,600	103	31,650	290	100	170	12,900	103	10,400	Chingleput.
South Arcot ..	56,100	90	46,650	4,463	97	2,900	97,500	92	90,800	South Arcot.
Chittoor ..	82,800	100	69,150	1,880	155	700	5,000	102	8,550	Chittoor.
North Arcot ..	73,400	92	53,400	640	105	350	34,800	94	42,200	North Arcot.
Salem ..	101,100	95	102,050	6,889	101	4,700	15,800	101	22,700	Salem.
Coinbatore ..	84,800	98	98,500	8,440	103	9,100	2,680	100	2,000	Coinbatore.
Trichinopoly ..	29,600	84	32,350	510	100	190	74,100	87	73,500	Trichinopoly.
Tanjore ..	19,810	87	7,700	80	93	20	29,500	92	25,600	Tanjore.
Madura ..	34,093	101	32,000	2,140	104	2,200	26,500	103	27,000	Madura.
Ramanad ..	47,310	107	40,550	180	94	50	41,450	101	38,800	Ramanad.
Tinnevely ..	24,029	97	18,040	70	109	69	4,000	98	2,650	Tinnevely.
Malabar ..	9,389	81	8,200	10	77	60	..	..	..	Malabar.
South Kanara ..	2,900	98	2,900	..	..	..	..	..	..	South Kanara.
The Nilgiris ..	1,250	96	1,100	60	100	60	..	100	10	The Nilgiris.
Total ..	1,077,200	98	1,014,380	271,780	100	256,270	423,900	97	453,670	Total.

Seasonal factor and the total produce of the principal crops in 1931-32 as compared with the normal—cont.

District.	Gingelly.			Castor.			Indigo (c).			District.
	Normal. (38)	S.F. (39)	1931-32. (40)	Normal. (41)	S.F. (42)	1931-32. (43)	Normal. (44)	S.F. (45)	1931-32. (46)	
Ganjam ..	TONS.	79	TONS.	TONS.	85	TONS.	CWT.	..	CWT.	Ganjam.
Vizagapatam ..	21,150	109	23,900	1,340	110	1,250	..	..	..	Vizagapatam.
East Godavari ..	11,400	94	10,400	840	106	880	100	106	60	East Godavari.
West Godavari ..	9,600	88	8,350	1,000	88	900	10	77	10	West Godavari.
Kistna ..	1,500	100	1,500	1,450	115	1,350	380	87	90	Kistna.
Guntur ..	160	100	130	4,450	109	4,350	300	66	80	Guntur.
Kurnool ..	300	100	210	2,280	106	2,300	750	99	650	Kurnool.
Bellary ..	1,800	94	1,900	1,200	96	1,850	..	..	..	Bellary.
Anantapur ..	2,600	66	1,830	4,600	73	3,800	130	61	20	Anantapur.
Cuddapah ..	700	86	420	670	104	1,000	1,250	70	960	Cuddapah.
Nellore ..	580	103	440	5,800	103	4,850	2,500	53	760	Nellore.
Chingleput ..	2,500	103	3,230	10	110	10	750	94	450	Chingleput.
South Arcot ..	5,130	91	3,600	80	96	170	2,500	81	1,450	South Arcot.
Chittoor ..	630	110	870	670	97	930	2,250	112	2,450	Chittoor.
North Arcot ..	3,880	88	2,900	560	89	500	830	59	540	North Arcot.
Salem ..	7,400	90	4,850	3,570	100	4,000	250	81	210	Salem.
Coimbatore ..	5,000	90	2,900	1,600	109	1,500	..	..	..	Coimbatore.
Trichinopoly ..	7,650	95	8,450	1,430	101	1,400	130	96	30	Trichinopoly.
Tanjore ..	3,900	84	2,700	70	93	60	30	95	20	Tanjore.
Madura ..	3,500	95	3,150	900	100	850	30	90	80	Madura.
Ramanad ..	3,000	98	3,400	360	103	340	230	..	..	Ramanad.
Tinnevely ..	7,500	100	6,600	160	94	110	50	80	70	Tinnevely.
Malabar ..	1,100	85	900	70	91	30	..	..	..	Malabar.
South Kanara ..	340	104	310	30	94	40	..	..	..	South Kanara.
The Nilgiris ..	..	..	..	..	..	..	..	..	..	The Nilgiris.
Total ..	107,570	96	93,510	33,710	97	32,970	12,470	82	7,780	Total.

(c) The yield is in hundredweights and not in tons. The figures represent the yield if the whole crop were manufactured into dye. But there is no information about the quantity actually manufactured into dye or used as green manure on wet lands, a practice which is largely on the increase.

District.	Tobacco (dry leaf) (d).			Cotton irrigated (h).			Cotton unirrigated (h).			Total cotton.		District.
	Normal. (37)	S.F. (46)	1931-32. (49)	Normal. (50)	S.F. (51)	1931-32. (52)	Normal. (53)	S.F. (54)	1931-32. (55)	Normal. (56)	1931-32. (57)	
Ganjam ..	TONS.	1,340	66	TONS.	1,400	..	TONS.	190	190	190	190	Ganjam.
Vizagapatam ..	23,200	111	25,300	..	..	..	2,350	111	2,350	2,350	2,350	Vizagapatam.
East Godavari ..	8,400	95	7,650	..	..	..	1,070	88	1,070	880	1,070	East Godavari.
West Godavari ..	4,060	89	4,000	..	..	..	190	67	190	190	190	West Godavari.
Kistna ..	4,640	108	4,350	..	..	..	8,250	82	4,600	8,250	4,600	Kistna.
Guntur ..	60,000	101	57,000	..	..	..	21,200	101	16,800	21,200	16,800	Guntur.
Kurnool ..	3,130	109	6,000	..	..	..	30,000	104	27,250	30,000	27,250	Kurnool.
Bellary ..	1,340	89	2,550	..	..	..	69,500	67	51,200	69,500	51,200	Bellary.
Anantapur ..	2,230	88	3,000	..	..	..	21,900	68	11,850	21,900	11,850	Anantapur.
Cuddapah ..	670	94	1,500	..	..	..	6,750	83	5,000	6,750	5,000	Cuddapah.
Nellore ..	1,500	89	1,500	..	..	..	7,900	111	6,600	7,900	6,600	Nellore.
Chingleput ..	20	101	20	..	..	..	..	..	..	..	..	Chingleput.
South Arcot ..	760	89	720	60	94	10	..	93	160	..	370	South Arcot.
Chittoor ..	220	107	580	30	109	..	20	110	10	50	10	Chittoor.
North Arcot ..	1,340	97	1,050	190	112	10	250	89	40	440	50	North Arcot.
Salem ..	2,680	95	2,200	(f) 11,900	(f) 112	(f) 11,450	7,970	(f)	5,710	19,870	17,180	Salem.
Coimbatore ..	17,700	94	15,800	(g) 68,400	(g) 104	(g) 69,500	41,000	(f)	34,500	109,400	104,000	Coimbatore.
Trichinopoly ..	1,600	95	1,500	(f) 7,500	(f) 111	(f) 7,000	7,240	(f)	4,100	14,740	11,100	Trichinopoly.
Tanjore ..	1,000	80	760	..	..	..	160	66	20	..	20	Tanjore.
Madura ..	6,350	96	3,300	(f) 18,100	(f) 103	(f) 13,400	40,000	(f)	29,800	58,100	43,200	Madura.
Ramanad ..	1,600	87	1,000	(f) 10,600	(f) 97	(f) 5,060	61,760	(f)	49,800	72,350	54,850	Ramanad.
Tinnevely ..	700	89	370	(f) 3,750	(f) 88	(f) 3,000	75,200	(f)	69,850	78,950	62,850	Tinnevely.
Malabar ..	30	80	20	..	..	..	50	103	20	50	80	Malabar.
South Kanara ..	750	97	750	..	..	..	30	104	20	30	20	South Kanara.
The Nilgiris ..	30	68	10	..	..	..	..	..	..	..	..	The Nilgiris.
Total ..	144,300	99	141,980	120,530	104	119,420	403,020	84	311,080	593,550	420,500	Total.

(d) Field is in dry leaf. Dry leaf may be converted into cured leaf by deducting 35 per cent in Ganjam, Vizagapatam and Godavari (East and West) and 10 per cent in the remaining districts except Madura, Ramanad and Tinnevely. In the excepted districts, dry leaf may be converted into cured leaf by multiplying by three owing to the large quantity of jaggery used.

(e) The seasonal factor of irrigated karunganni was 103.

(f) The seasonal factor of unirrigated cotton by varieties in 1931-32 is given below :—

District.	Seasonal factor of			
	Cambodia.	Uppam.	Nadani and Bourbon.	Tinnevelles.
Salem ..	96	107	..	..
Coimbatore (m) ..	91	99	87	..
Trichinopoly ..	72	91	101	..
Madura ..	90	..	..	97
Ramanad ..	97	..	..	97
Tinnevely ..	81	..	..	92

(g) Includes an estimated yield of 5,600 bales of irrigated karunganni.

(h) Figures are in bales of 400 lb. lint and not in tons.

(i) There is a small extent under irrigation in these districts but the yield does not differ much from that of the unirrigated variety. The yield of these irrigated varieties is therefore included in columns (53) and (55).

(j) Includes an estimated yield of 6,200 bales of irrigated karunganni.

(k) There is a small extent under irrigation in these districts under upnam, nadani, and Tinnevelles cotton but the yield does not differ much from that of the unirrigated variety. The yield of these irrigated varieties is therefore included in columns (53) and (55).

(m) The seasonal factor of unirrigated karunganni in Coimbatore was 97.

1) The estimated yield of cotton in Banganapalle and Pudukkottai was 3,050 bales and 50 bales, respectively, in 1931-32; normal yield being 3,350 bales and 200 bales respectively.

(2) The yield of unirrigated cotton by varieties in the southern half of the Presidency in 1931-32 is given below in bales of 400 lb. lint :—

Variety.	Chingleput	South Arcot	Chittoor	North Arcot	Salem	Coimbatore	Trichinopoly	Tanjore	Madura	Ramanad	Tinnevely	Malabar	South Kanara
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Cambodia ..	BALES.	BALES.	BALES.	BALES.	BALES.	BALES.	BALES.	BALES.	BALES.	BALES.	BALES.	BALES.	BALES.
Uppam ..	..	40	..	40	4,800	7,800	1,850	..	6,600	1,400	210	..	..
Nadani and Bourbon ..	..	120	10	..	770	(e) 25,000	2,150	20	..	..	..	..	..
Tinnevelles (b) ..	..	..	..	..	140	1,700	..	..	23,250	48,400	59,650	..	..

(a) Includes 20,700 bales of Karunganni (unirrigated).

(b) Includes Uppam, Karunganni and mixed country cotton in Madura, Ramanad and Tinnevely.

(3) The yield of cotton by varieties in the Madras Presidency, including Banganapalle and Pudukkottai, is given below :—

Particulars.	Tinnevelles.	Cambodia.	Uppam.	Nadani and Bourbon.	Northerns and Westerns.	Coimbatore.	Others.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1931-32 ..	BALES.	BALES.	BALES.	BALES.	BALES.	BALES.	BALES.	BALES.
Normal ..	131,250	126,760	(c) 33,750	1,640	48,350	29,200	2,480	423,510
	160,800	139,680	(d) 35,690	1,300	138,750	46,880	2,750	623,760

(c) Includes 26,300 bales of Karunganni.

(d) Includes 27,300 bales of Karunganni.

APPENDIX X.

Harvest prices per Imperial maund of 82½ lb. of the principal food-grains in 1931-32 on the average of the retail prices reported by Collectors as prevailing in two or three of the principal markets in each district as compared with the corresponding prices of the previous year.

District.	Rice.		Cholam.		Cumbu.		Ragi.		District.
	1930-31.	1931-32.	1930-31.	1931-32.	1930-31.	1931-32.	1930-31.	1931-32.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
Ganjam ..	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	Ganjam.
Vizagapatam ..	5 4	4 5	..	..	..	..	2 3	1 14	Vizagapatam.
East Godavari ..	4 13	4 12	..	..	3 0	2 5	2 10	2 3	East Godavari.
West do. ..	4 1	3 11	2 14	2 14	..	..	2 7	2 2	West do.
Kistna ..	3 11	3 14	2 4	2 14	..	..	2 9	2 7	Kistna.
Guntur ..	3 13	3 8	3 1	2 11	3 7	2 13	..	..	Guntur.
Kurnool ..	5 6	4 9	2 2	2 0	3 8	2 13	..	..	Kurnool.
Bellary ..	5 5	5 1	2 1	2 2	..	..	..	..	Bellary.
Anantapur ..	4 14	4 5	2 6	2 3	2 5	1 14	2 1	2 1	Anantapur.
Cuddapah ..	5 10	4 8	2 0	2 6	2 4	1 12	1 14	2 1	Cuddapah.
Nellore ..	3 3	3 11	2 5	2 6	2 13	2 11	2 3	2 3	Nellore.
Chingleput ..	3 12	3 9	..	..	..	..	3 3	2 8	Chingleput.
South Arcot ..	4 8	4 1	..	..	3 7	2 12	2 15	2 8	South Arcot.
Chittoor ..	4 6	3 12	..	..	2 4	1 14	2 2	1 15	Chittoor.
North Arcot ..	3 9	3 2	..	..	2 14	2 3	2 11	2 4	North Arcot.
Salem ..	5 4	4 11	2 13	2 6	3 4	2 0	2 4	2 7	Salem.
Coimbatore ..	5 6	4 6	3 14	2 8	3 13	2 9	3 11	2 9	Coimbatore.
Trichinopoly ..	5 12	4 3	2 7	2 7	3 9	2 1	2 13	2 3	Trichinopoly.
Tanjore ..	5 14	4 5	..	..	..	..	2 9	2 8	Tanjore.
Madura ..	4 7	4 4	2 15	2 9	3 14	3 0	3 0	2 6	Madura.
Ramanad ..	4 5	3 15	2 10	2 8	3 9	3 0	2 13	2 5	Ramanad.
Tinnevely ..	4 15	3 11	2 8	2 3	2 10	3 3	2 8	2 4	Tinnevely.
Malabar ..	5 0	4 0	..	..	..	..	..	..	Malabar.
South Kanara ..	5 6	3 14	..	..	..	..	..	..	South Kanara.
The Nilgiris ..	5 9	4 10	..	..	..	..	3 12	2 14	The Nilgiris.

Note.—Blanks mean that the crop is not an important food-grain in the district.

Wholesale prices of forecast crops reported by the Deputy Directors of Agriculture as prevailing during the harvest months in 1931-32.

District.	Paddy (Madras measure of 132 tolas)	Jaggery (Candy of 500 lb.).	Cotton (Bale of 400 lb.).	Groundnut (Candy of 500 lb.).	Gingelly (Madras measure).	Castor (Madras measure).	District.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	
Ganjam ..	0 0 10	25 0 0	17 8 0	0 2 11	0 2 0	0 2 0	Ganjam.
Vizagapatam ..	0 0 10	20 0 0	82 8 0	18 8 0	0 2 6	0 2 0	Vizagapatam.
East Godavari ..	0 1 2	33 8 0	..	..	0 4 0	..	East Godavari.
West do. ..	0 1 2	33 8 0	..	..	0 4 0	..	West do.
Kistna ..	0 1 0	29 8 9	91 10 0	17 0 0	0 2 5	..	Kistna.
Guntur ..	0 1 0	42 0 0	82 8 0	20 12 0	..	0 2 9	Guntur.
Kurnool ..	0 1 2	31 8 0	160 0 0	18 4 0	0 3 1	0 2 0	Kurnool.
Bellary ..	0 1 2	32 3 0	(a)	12 0 0	0 3 1	0 2 8	Bellary.
Anantapur ..	0 1 2	30 8 0	(b)	19 0 0	0 3 1	0 2 3	Anantapur.
Cuddapah ..	0 1 2	32 0 0	89 0 0	11 0 0	0 3 2	0 2 7	Cuddapah.
Nellore ..	0 0 11	30 0 0	..	18 8 0	..	..	Nellore.
Chingleput ..	0 1 1	32 0 0	..	19 8 0	0 3 7	0 2 7	Chingleput.
South Arcot ..	0 1 1	32 0 0	..	19 8 0	0 3 7	0 2 7	South Arcot.
Chittoor ..	0 1 0	16 0 0	..	12 8 0	0 3 1	0 2 2	Chittoor.
North Arcot ..	0 1 0	26 0 0	..	12 8 0	0 3 1	0 2 2	North Arcot.
Salem ..	0 1 4	30 10 3	112 11 0	23 13 4	0 3 7	0 2 7	Salem.
Coimbatore ..	0 1 5	27 8 0	(c)	19 8 0	0 3 7	0 2 8	Coimbatore.
Trichinopoly ..	0 1 3	33 4 7	106 10 8	18 11 5	0 3 10	0 2 4	Trichinopoly.
Tanjore ..	0 1 1	35 10 8	..	18 10 3	0 4 8	0 2 6	Tanjore.
Madura ..	0 1 3	27 8 0	(d)	20 0 0	0 3 2	0 2 0	Madura.
Ramanud ..	..	..	..	..	..	..	Ramanud.
Tinnevely ..	0 1 2	47 8 0	108 12 0	20 0 0	0 4 3	0 3 1	Tinnevely.
Malabar ..	0 1 3	35 0 0	..	..	0 4 0	..	Malabar.
South Kanara ..	0 1 2	30 0 0	..	..	0 3 4	..	South Kanara.

APPENDIX XI.

Number of live-stock, ploughs, and carts in each district in the Madras Presidency as ascertained by a census held in January 1930.

District.	Oxen.					Buffaloes.			District.
	Breed- ing bulls.	Other bulls.	Bullocks.	Cows.	Young stock (calves).	Male Buffaloes.	Cow Buffaloes.	Young stock (buffalo calves).	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
Ganjam ..	5,653	31,490	354,654	327,805	209,285	133,768	66,855	41,313	Ganjam.
Vizagapatam ..	7,874	126,509	435,181	392,657	242,078	213,095	170,366	106,066	Vizagapatam.
East Godavari ..	1,622	80,206	246,028	244,121	200,837	63,870	131,099	98,871	East Godavari.
West do. ..	836	39,873	151,838	154,541	107,890	63,822	123,127	85,448	West do.
Kistna ..	618	51,191	130,631	117,501	104,623	67,947	215,425	181,307	Kistna.
Guntur ..	1,576	63,516	166,564	147,685	104,813	83,216	353,878	290,026	Guntur.
Kurnool ..	248	71,294	131,213	91,316	65,983	17,844	160,478	101,414	Kurnool.
Bellary ..	1,432	49,019	182,002	98,027	74,313	14,196	72,135	48,606	Bellary.
Anantapur ..	1,633	69,895	187,726	147,155	93,958	23,260	74,120	52,819	Anantapur.
Cuddapah ..	1,193	63,540	92,882	70,977	13,602	28,775	147,495	89,601	Cuddapah.
Nellore ..	1,939	92,075	187,109	233,047	124,378	78,561	253,732	183,721	Nellore.
Chingleput ..	2,053	32,455	252,529	196,879	124,235	58,135	78,073	51,126	Chingleput.
Madras ..	117	308	2,594	4,405	2,642	230	958	3,691	Madras.
South Arcot ..	3,259	51,295	360,837	325,259	163,956	31,099	61,939	32,318	South Arcot.
Chittoor ..	4,008	105,856	248,182	301,514	168,941	30,311	81,867	51,892	Chittoor.
North Arcot ..	4,190	51,377	399,006	312,470	165,610	35,336	71,107	45,018	North Arcot.
Salem ..	14,088	70,494	368,981	542,216	219,283	10,265	76,634	51,101	Salem.
Coimbatore ..	11,443	58,191	360,876	368,852	204,544	9,626	121,202	68,405	Coimbatore.
Trichinopoly ..	4,056	41,560	295,770	225,050	107,937	14,311	96,609	53,044	Trichinopoly.
Tanjore ..	1,874	24,402	357,207	279,124	173,659	42,099	103,064	50,779	Tanjore.
Madura ..	5,541	37,150	314,651	242,631	127,308	14,843	76,404	46,425	Madura.
Ramanad ..	2,522	17,741	220,675	120,691	71,857	13,892	52,377	41,324	Ramanad.
Tinnevely ..	4,128	23,553	238,783	126,470	89,574	24,513	85,155	50,449	Tinnevely.
Malabar ..	2,554	27,857	217,416	313,794	257,647	130,892	41,114	26,753	Malabar.
South Kanara ..	435	24,401	171,419	190,957	167,486	164,953	37,244	21,089	South Kanara.
The Nilgiris ..	562	1,414	6,007	17,161	7,321	2,362	10,504	3,933	The Nilgiris.
Presidency ..	85,283	1,313,352	6,001,071	5,622,356	3,423,254	1,354,694	2,765,994	1,872,826	Presidency.

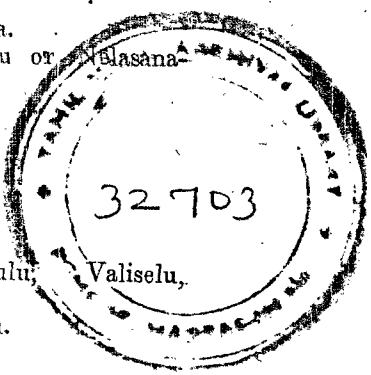
District.	Sheep.	Goats.	Horses and ponies.			Mules.	Donkeys.	Camels.	Ploughs.	Carts.	Number of cattle per 100 of population (a).	District.
			Horses.	Mares.	Young stock (colts and fillies)							
(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)		
Ganjam ..	179,577	260,320	635	144	65	41	640	..	382,368	69,715	54	Ganjam.
Vizagapatam ..	433,421	366,808	3,827	532	128	34	1,333	..	362,068	102,066	53	Vizagapatam.
East Godavari ..	60,207	127,463	2,344	497	118	27	322	..	166,120	48,585	64	East Godavari.
West do. ..	61,337	76,630	1,102	305	85	13	354	(a) 7	112,613	38,700	70	West do.
Kistna ..	185,327	116,100	774	819	163	33	720	..	94,552	53,620	82	Kistna.
Guntur ..	527,610	154,738	736	646	138	102	1,675	..	120,513	89,711	67	Guntur.
Kurnool ..	476,521	208,495	1,087	734	236	3	11,377	(b) 2	91,323	56,859	70	Kurnool.
Bellary ..	314,203	200,294	1,503	770	305	18	6,210	..	95,158	43,819	63	Bellary.
Anantapur ..	987,907	324,324	970	657	269	5	15,686	..	103,181	43,157	68	Anantapur.
Cuddapah ..	530,629	222,555	284	147	45	..	9,579	..	80,523	41,662	61	Cuddapah.
Nellore ..	889,957	395,938	567	371	165	..	6,430	(c) 1	128,779	53,873	82	Nellore.
Chingleput ..	507,488	192,461	433	357	35	82	2,990	..	158,300	40,470	53	Chingleput.
Madras ..	593	872	698	397	34	..	114	..	114	1,925	3	Madras.
South Arcot ..	422,157	386,389	399	396	167	..	2,117	..	270,430	60,023	45	South Arcot.
Chittoor ..	810,855	492,945	559	289	65	9	5,935	..	165,675	42,437	78	Chittoor.
North Arcot ..	712,085	274,302	684	339	49	4	4,773	..	245,790	43,470	53	North Arcot.
Salem ..	1,018,023	648,369	1,314	1,393	389	17	6,937	..	296,586	40,652	61	Salem.
Coimbatore ..	1,012,361	533,889	1,977	1,321	210	197	16,650	..	245,276	85,393	54	Coimbatore.
Trichinopoly ..	949,915	659,567	381	565	56	46	2,328	(d) 1	218,278	49,114	44	Trichinopoly.
Tanjore ..	268,882	506,083	435	374	30	7	1,426	..	226,500	62,397	44	Tanjore.
Madura ..	561,277	442,345	2,595	614	63	19	10,076	..	197,520	47,845	43	Madura.
Ramanad ..	901,539	281,560	279	133	9	1	8,961	(e) 1	120,389	45,805	31	Ramanad.
Tinnevely ..	1,150,457	269,974	419	204	44	12	13,719	..	123,640	53,279	34	Tinnevely.
Malabar ..	6,360	317,163	244	223	13	64	85	..	161,863	12,119	33	Malabar.
South Kanara ..	114	27,711	167	82	6	..	2	(f) 1	264,258	7,526	62	South Kanara.
The Nilgiris ..	4,145	6,843	388	335	67	61	75	..	3,029	704	39	The Nilgiris.
Presidency ..	12,864,343	7,406,018	24,781	11,954	3,044	765	131,104	13	(g) 4,476,550	1,235,000	53	Presidency.

(a) The seven camels in Elore are used by the zamindar of North Vallur for carrying luggage during circuit and while hunting.
(b) The two camels in Kurnool are used for carrying goods.
(c) The one camel in Nellore is used as a beast of burden.
(d) The camel in Trichinopoly is used for paraphernalia.
(e) The camel in Ramanad is used as temple paraphernalia.
(f) The camel in South Kanara is owned by a circus company.
(g) Includes 31,097 iron ploughs.
(h) Cattle in this column includes breeding bulls, other bulls, bullocks, cows, young stock, male buffaloes, cow buffaloes and young stock, i.e., columns 2 to 9.

APPENDIX XII.

Glossary of Botanical, English and Vernacular names of crops.

Botanical.	English.	Tamil.	Telugu.
<i>Oryza sativa</i> ...	Paddy ...	Nellu ...	Vadlu.
<i>Sorghum vulgare</i> ...	Cholam ...	Cholam ...	Jonnalu.
<i>Pennisetum typhoides</i> ...	Bulrush or Spiked Millet.	Cumbu ...	Sajjalu or Gantelu.
<i>Eleusine coracana</i> ...	Ragi ...	Kelvaragu or Ragi	Ragulu or Chodulu.
<i>Setaria italica</i> ...	Italian Millet ...	Tenai ...	Korralu.
<i>Paspalum scribiculatum</i> ...	Kodo Millet ...	Varagu ...	Arikelu.
<i>Panicum miliare</i> ...	Samai ...	Samai ...	Samulu.
<i>Panicum miliaceum</i> ...	Common Millet ...	Panivaragu or kadaikanni.	Varigalu or Barigalu.
<i>Panicum crusgalli</i> var	Sanwa Millet ...	Kudiraivali ...	Oodalu.
<i>Fruentaceum</i> .			
<i>Zea mays</i> ...	Maize ...	Makka cholam or Thulukka cholam.	Mokka Jonnal.
<i>Triticum</i> spp. ...	Wheat ...	Godumai ...	Godumalu.
<i>Hordeum vulgare</i> ...	Barley ...		
<i>Phaseolus mungo</i> ...	Greengram ...	Paçcapayiru ...	Pesalu, Paçcapesalu.
<i>Cajanus indicus</i> ...	Redgram ...	Tuvurai ...	Kandulu.
<i>Phaseolus radiatus</i> ...	Blackgram ...	Ulundu ...	Minumulu.
<i>Cicer arietinum</i> ...	Bengalgram ...	Kadalai ...	Sanagulu.
<i>Dolichos biflorus</i> ...	Horsegram ...	Kollu or Kanam ...	Ulavulu.
<i>Dolichos lablab</i> ...	Field bean ...	Mochai ...	Anumulu.
<i>Phaseolus acutifolius</i> ...	Dew gram ...	Naripayaru, Kallupayaru, Tullikka-	Mittikelu.
<i>Vigna catieng</i> ...	Cow gram; cow pea.	Karamani, Tatta-	Alasandulu, Bobbarlu.
<i>Capsicum annuum</i> ...	Chillies ...	Milagai ...	Mirapakayalu.
<i>Coriandrum sativum</i> ...	Coriander ...	Kothumalli ...	Dhaniyalu or Kottumeri.
<i>Piper nigrum</i> ...	Pepper ...	Milagu ...	Miriyalu.
<i>Curcuma longa</i> ...	Turneric ...	Manjal ...	Pasupu.
<i>Allium sativum</i> ...	Garlic ...	Vellaipandu ...	Tellagadda or Velluli.
<i>Zingiber officinale</i> ...	Ginger ...	Inji ...	Allam.
<i>Curum copticum</i> ...	Onum; Bishop's weed.	Omum ...	Omamu.
<i>Saccharum officinarum</i> ...	Sugarcane ...	Karumbu ...	Cheruku.
<i>Mangifera indica</i> ...	Mangoes ...	Mambazham ...	Mamidipandu.
<i>Musa sapientum</i> ...	Plantains ...	Vazhaipazham ...	Aratipandu.
<i>Allium cepa</i> ...	Onions ...	Vengayam ...	Ulligadda.
<i>Solanum tuberosum</i> ...	Potato ...	Urulaikkizhangu ...	Urulagadda.
<i>Arachis hypogea</i> ...	Groundnut ...	Verkadalai or Nilakkadalai.	Versanagalu or Alasana-
<i>Sesamum indicum</i> ...	Gingelly ...	Ellu ...	Nevvulu.
<i>Ricinus communis</i> ...	Castor ...	Amanakku or Kottaimuthu.	Anudalu.
<i>Cocos nucifera</i> ...	Coconut ...	Thengai ...	Tenkaya.
<i>Linum usitatissimum</i> ...	Linseed ...	Alivirai ...	Avisi.
<i>Brassica</i> spp. ...	Rape and mustard.		
<i>Guzotia abyssinica</i> ...	Niger seed ...	Poyellu, Uchehellu	Verrinuvvulu, Valiselu.
<i>Carthamus tinctorius</i> ...	Safflower ...	Kusumbavirai ...	Kusumbalu.
<i>Gossypium</i> spp. ...	Cotton ...	Paruthi ...	Parthi.
<i>Crotalaria juncea</i> ...	Sunn hemp ...	Sanappu or Shanai	Janumu.
<i>Hibiscus cannabinus</i> ...	Bombay hemp or bimlipatam jute.	Pulicheai or Pulimanji.	Gogu.
<i>Corchorus</i> spp. ...	Jute ...		
<i>Indigofera sumatrana</i> ...	Indigo ...	Avuri or Nili ...	Nili.
<i>Nicotiana tabacum</i> ...	Tobacco ...	Pugaiyalai ...	Pogaku.
<i>Areca catechu</i> ...	Arecanut ...	Pakku ...	Vakka.
<i>Coffea arabica</i> ...	Coffee ...		
<i>Camellia thea</i> ...	Tea ...		
<i>Piper betel</i> ...	Betel vine ...	Vethilai ...	Tamalapakulu.
<i>Cannabis sativa</i> ...	Indian hemp ...	Ganja ...	Ganjava or Ganja or Bangiku.
<i>Cassia angustifolia</i> ...	Senna ...	Surat Nilavirai or Nilavakai.	Nelatangedu.
<i>Hevea brasiliensis</i> ...	Rubber ...		



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