

A SHORT LIST OF CURRENT INDIAN OFFICIAL STATISTICAL PUBLICATIONS RELATING TO AGRICULTURE.

By JNANRANJAN GUHA THAKURTA, M.A.,

Statistical Laboratory, Calcutta.

Agricultural Statistics of India, 1930-31, Vol. I.—British India—Pp. xxi + 379. Index, three appendices, one map of India, eight charts. 13.3" x 8.5". *Govt. of India, Manager of Publications, Delhi, 1933.* Rs. 8-4-0 (14s.). Forty-seventh issue. Annual.

Introductory note. Summary tables relating to (1) general summary, 1911-12 to 1930-31; (2) area cultivated and uncultivated; (3) area under irrigation in 1930-31; (4) area under different crops cultivated in 1930-31; (5) number of live-stock, ploughs and carts in 1929-30, the year of last All-India Cattle Census; (6) area assessed and incidence of land revenue assessment on area and population; (7) harvest prices of principal crops in 1930-31; (8) comparative statement showing acreage under certain crops in various countries of the world in 1931. General tables regarding (I) area; (II) classification of areas; (III) area under irrigation; (IV) classification of crops; (V) live-stock, ploughs and carts; (VI) incidence of the land revenue assessment on area and population; (VII) harvest prices. Figures for all the tables are shown by provinces and districts, the former confined to last 5 years and latter to 2 years.*

Three appendices: (a) introductory note and tables relating to average yield of principal crops; (b) glossary of Vernacular terms used in the volume; (c) alphabetical list of crops cultivated in India with their classification in table IV.

Map of India showing the departure of area sown and that of rainfall 1930-31 from the average of the preceding ten years. Eight charts illustrating (1) total area sown, area under food-crops, current fallows, and variations in rainfall as compared with normal; (2) total cultivable area, total uncultivable area, net area sown, cultivable waste other than fallow, and current fallows; (3) total area sown, total area under food crops, total irrigated area sown; and total area under non-food crops; (4) area under rice, wheat, millets, oilseeds, cotton, jute and other crops; (5) total area sown and area under different crops; (6) total live-stock divided between bovine, ovine and others; (7) shares of provinces in the total area under principal crops; (8) harvest prices of principal crops.†

Agricultural Statistics of India, 1929-30. Vol. II.—Indian States—Pp. v + 94. Index, two appendices, two charts. 13.3" x 8.5". *Government of India Central Publication Branch, Calcutta, 1933.* Re. 1-10 (2s. 9d.). Forty-sixth issue. Annual.

Introductory note. Summary tables relating to (1) general summary 1910-11 to 1929-30; (2) area cultivated and uncultivated; (3) area under irrigation; (4) area under different crops cultivated. General tables regarding (I) area of each State 1925-26 to 1929-30; (2) area cultivated and uncultivated; (3) area under irrigation; (4) area under irrigation in each State 1925-26 to 1929-30; (IV) area under crops and specification of

*District figures which were discontinued from the issue for 1921-22 have now been reintroduced.

†Some of the provinces like Bengal, Bihar and Orissa, etc., also publish "Agricultural Statistics" for their provinces, which contain practically the same type of information as given in the imperial volume of "Agricultural Statistics."

SANKHYĀ: THE INDIAN JOURNAL OF STATISTICS

crops 1925-26 to 1929-30, live-stock, ploughs and carts in each State; (V) incidence of the land revenue assessment on area and population in each State.†

Two appendices: (a) glossary of Vernacular terms used in the volume; and (b) explanatory notes for different tables for States.

Two charts showing (1) classification of area; (2) total area sown with shares of food and non-food crops.

Agricultural Statistics—British India—1931-32. (Provisional).—Pp. 107. Two charts, 9.5" x 6.5". *Government of India, Manager of Publications, Delhi, 1933.* As. 4 (5d.). Eighteenth issue. Issues from 1922-23 to 1929-30 appeared as supplements to the "*Indian Trade Journal.*" Annual.

This is an advance summary of *Agricultural Statistics of India*, Vol. I, in which summary figures relating to the first four tables of the larger volume are given by provinces only.

Two charts illustrating (1) total uncultivable area, net area sown, cultivable waste other than fallow, and current fallows; (2) total area under food-crops, total area under non-food crops, and total area of crops irrigated.

Estimates of Area and Yield of Principal Crops in India, 1931-32. Pp. 51. Index, five appendices, and charts, 13.3" x 8.5". *Government of India, Manager of Publications, Delhi, 1933.* Rs. 2-6-0 (4s. 3d.). Thirty-fourth issue. Annual.

This is mainly a summary of the final fore-casts of crops issued during each season. Estimated area and yield of rice, wheat, sugarcane, tea, cotton, jute, linseed rape and mustard, sesamum, groundnut, castor, indigo, coffee, and rubber together with the average yield per acre of each of these crops in each province. Estimated area and yield of certain other important crops, viz., barley, jowar, bajra, maize, gram and tobacco for which forecasts are not prepared given in supplementary tables. These statistics are shown separately for British India and Indian States from this issue. Statements showing the actual and normal rainfall in each province.

Information relating to important crops in foreign countries is also shown in a series of tables. Five appendices containing (I) methods of framing estimates of crops; (II) methods of collecting the statistics province by province; (III) summary of the seasonal or other conditions affecting prices of food grains, etc., in each quinquennium from 1861-65; (IV) dates on or about which the All-India forecasts of crops are issued; and (V) season of sowing and harvesting of the crops and the tracts where they are mainly grown.

Chart illustrating the condition of weekly rainfall during the monsoon period from June to October, 1931 and others showing the yield of certain principal crops in the past ten years, 1922-23 to 1931-32.

Indian Coffee Statistics, 1931-32. Pp. 7. 9.5" x 6.5". *Government of India, Manager of Publications, Delhi, 1933.* As. 2 (3d.). Thirteenth issue. Issues from 1921-22 to 1929-30 issued as supplements to the *Indian Trade Journal.* Annual.

Prefatory note. Tables relating to (1) abstract statement of area in acres under coffee in each province and state in India during the years (ending 30th June), 1920 to 1932; (2) abstract statement of the production (in pounds) of cured coffee in each province and

† The issue for 1930-31 has since been published in which district figures have been re-introduced as in the case of Vol. I.

INDIAN OFFICIAL AGRICULTURAL RETURNS

state in India during the years ended 30th June 1920 to 1932; (3) detailed statement of area and production of coffee, number and area of plantations and number of persons employed in each district in India during the year ending 30th June, 1932; (4) quantity of foreign coffee imported into, and re-exported from, British India in the official years April to March 1927-28 to 1931-32; (5) quantity of Indian coffee exported by sea from British India to foreign countries in the official years April to March 1927-28 to 1931-32. Previous publications did not show statistics of plantations having an area of less than 10 acres, but from the present issue (1931-32), those for smaller plantations having an area between 5 and 10 acres are also included.

Indian Tea Statistics, 1931. Pp. 39, with Index, an appendix and three charts. 9" x 6.5". *Govt. of India Central Publication Branch, Calcutta, 1933.* As. 8 (10d.). Thirty-seventh issue. Issues from 1921 to 1929 issued as supplement to the *Indian Trade Journal. Annual.*

Part I. Report.

Part II. Tables relating to (1) abstract statement of area under tea in India by provinces and states from 1885 to 1931; (2) abstract statement of production of tea in India by provinces and states from 1885 to 1931; (3) detailed statement of area, production, plantations of tea, and persons employed in the tea industry in 1931; (4) quantity of Indian tea exported by sea and by land from 1929-30 to 1931-32 with pre-War and War averages; (5) quantity of Indian tea re-exported from the United Kingdom to principal foreign countries from 1929 to 1931, with pre-War and War averages; (6) quantity of Indian tea shipped from different ports in India from 1929-30 to 1931-32 with pre-War and War averages; (7) quantity of tea exported to foreign countries from India, Ceylon, China and Java from 1896-97 to 1931-32 with variations in Index Numbers; (8) quantity of foreign tea imported into and re-exported from India from 1929-30 to 1931-32 with pre-War and War averages; (9) imports of tea into certain principal foreign countries from 1929 to 1931 with pre-War and War averages; (10) quantity of tea (in packages) sold and the average price realised at auction sales in Calcutta from 1922-23 to 1931-32; (11) average prices of Indian tea sold at auction sales in Calcutta and average declared values of exports from 1894-95 to 1931-32 with variations expressed in Index Numbers; (12) freight charged on tea from Calcutta to London from 1912 to 1931; (13) average monthly wages of labourers employed in the tea gardens in Assam during 1926-27 to 1930-31.

Appendix giving extracts from the Proceedings of the Half-yearly meeting of the Indian Tea Cess Committee held on the 15th July, 1932.

Three charts illustrating (1) the growth of production and exports of tea in India during the last fifteen years; (2) the course of prices of tea during the same period; and (3) the weekly district average of prices of tea realised at auction sales in Calcutta during the year under review.

Indian Rubber Statistics, 1931. Pp. 10. 9.5" x 6.5". *Govt. of India Central Publication Branch, Calcutta, 1932.* As. 10 (1s.). Thirteenth issue. Issues from 1922 to 1930 issued as supplements to the *Indian Trade Journal. Annual.*

Prefatory note. Tables relating to (1) abstract statement of area (in acres) under rubber in each province and state in India from 1922 to 1931; (2) abstract statement of the production (in pounds) of dry rubber in each province and state in India from 1922 to 1931; (3) detailed statement of area and production of rubber, number and area of estates and number of persons employed, in each district in India during the calendar year 1931;

(4) statement showing the stock of dry rubber (in pounds) held in each province and state in India on 31st December, 1931; (5) quantity of rubber (raw) exported by sea from British India to Foreign countries in the years 1927-28 to 1931-32; and (6) quantity of rubber (raw) imported by sea into British India from foreign countries in the years 1927-28 to 1931-32.

Live-stock Statistics, 1929-30. Report on the third Census of Live-stock, Ploughs, and Carts in India, held in 1930. Pp. 12. 13.3" x 8.5". *Govt. of India Central Publication Branch, Calcutta, 1931.* As. 4 (5d.). Quinquennial.

Introductory note. Statistical tables relating to (I) number of live-stock, ploughs, and carts in each province in British India as ascertained by Census held in 1930; (II) number of live-stock, ploughs and carts in each Indian State (as far as reported) as ascertained by a Census held in 1930; and (III) the number of cattle, sheep and horses in principal foreign countries of the world in the years 1925 and 1930 together with their percentage variations.

Quinquennial Report on the Average Yield per acre of Principal Crops in India for the period ending 1926-27. Pp. 23. 13.3" x 8.5". *Govt. of India Press, Calcutta, 1929.* As. 12 (1s. 3d.). First introduced in 1893. Quinquennial.

Memorandum. Tables relating to (1) average yield (in lb. per acre) of principal crops in each province of British India and in the Mysore State; and average yield (in lb. per acre) of principal crops in each district of (2) Bengal, (3) Madras, (4) Bombay, (5) Sind, (6) United Provinces, (7) Bihar and Orissa, (8) Punjab, (9) Burma, (10) Central Provinces and Berar, (11) Assam, (12) North-west Frontier Province, (13) Ajmere-Marwara, (14) Delhi, (15) Coorg, and (16) Mysore State as arrived at in the light of crop cutting experiments made upto the year 1926-27.

Season and Crop Report of the Central Provinces and Berar for the year ending the 31st May, 1932. Pp. ii, 25, with appendices. 9.5" x 6.5". *Govt. Printing, Central Provinces, Nagpur, 1932.* Re. 1/8/-. Annual.

Report. Appendices showing (I) rainfall of the year; (IIA) classified area under cultivation in each district of C. P.; (IIB) area as classified with details of area under cultivation in the Berar; (IIIA) areas under principal crops in each district; (V) outturn in anna notation and total produce of important crops; and (VI) the harvest prices of important crops.

Season and Crop Report of Burma for the year ending the 30th June, 1932. Pp. 51, with appendices and graphs. 9.5" x 6.5". *Superintendent, Govt. Printing and Stationery, Burma, Rangoon, 1932.* Re. 1/8/- (2s. 3d.). Annual.

Report. Appendices showing (I) rainfall of the year; (II) classified area under cultivation in each district of the province; (III) area and crops irrigated during the year; (IV) area sown, matured, and assessed; (V) yield per acre and total produce of the principal crops as compared with the normal; (VI) harvest price of important crops; and (VII) agricultural stock and implements.

A number of graphs showing gross sown areas under rice, millet, beans, early and late sesamum, groundnut, and cotton for the last twenty years.

Season and Crop Report of the Madras Presidency for the agricultural year 1931-32. (Fasli 1311). Pp. 19, with appendices. 13.3" x 8.5". *Superintendent, Govt. Press, Madras, 1932.* Re. 1/4/-. Annual.

INDIAN OFFICIAL AGRICULTURAL RETURNS

Report. Appendices showing (I) rainfall of the year; (II) classification of area under forests, etc.; (III) area irrigated from canals, etc.; (IV) area of crops irrigated; (V) number of irrigation works actually used; (VI) area sown with crops; (VII) percentage of area under main crops; (VIII) normal yield per acre of crops and the yield per acre of crops in 1931-32; (IX) seasonal factors and the total produce of principal crops; (X) harvest prices (retail and wholesale) of main crops; (XI) agricultural stock and implements; and (XII) Botanical, English and Vernacular names of crops.

Report on the Season and Crops of North-West Frontier Province for the year 1931-32. Pp. 8+xxiii. 9.5" x 6.5". *Manager, Govt. Printing and Stationery, Book Depot and Forms Store, North-west Frontier Province, Peshawar, 1933.* Rs. 3/13/- (2s. 6d.). Annual.

Report. Statements showing (I) rainfall of the year; (II) abbreviated crop returns for Kharif 1931 and Rabi 1932; (III) area and crops irrigated during the year; (IV) yield per acre and total produce of the principal crops as compared with the normal; (V) agricultural stock and implements.

Report on the Season and Crops of the Punjab for the agricultural year ending 30th June, 1932. Pp. 4+xxxI. 13.3" x 8.5". *Superintendent, Govt. Printing, Punjab, Lahore, 1932.* Rs. 4/8/- (6s. 6d.). Annual.

Report. Statements showing (I) rainfall of the year; (II) areas under principal crops in each district; (III) area and crops irrigated during the year; (IV) outturns; and (V) the harvest prices of important crops.

Season and Crop Report of Bihar and Orissa for the year 1931-32. Pp. 4+XXIII, with appendices 13.3" x 8.5". *Superintendent, Govt. Printing, Bihar and Orissa, Patna, 1932.* Rs. 2/4/-. Annual.

Report. Appendices containing statements (I) rainfall of the year; (II) classified areas under cultivation in each district; (III) areas under principal crops in each district; (IV) area and crops irrigated during the year; (V) outturn of principal crops for the year under review as compared with the previous year; (VI) the harvest prices of important crops; and (VII) agricultural stock and implements.

Season and Crop Report of the United Provinces of Agra and Oudh for the year 1931-32 (1930 Fall). Pp. 27. 9.5" x 6.5". *Superintendent, Printing and Stationery, United Provinces, Allahabad, 1932.* Re. 1/4/-. Annual.

Report. Statements showing (I) rainfall of the year; (II) classified area under cultivation in each district; (IIA) classified area with details of area not available for cultivation; (III) areas under principal crops in each district; (IV) the irrigated area of the year; (V) outturn and total produce of the principal crops as compared with the normal respectively; and (VI) the harvest prices of important crops.

Season and Crop Report of the Bombay Presidency for the year 1931-32. Pp. i+115 with appendices. 9.5" x 6". *Govt. Central Press, Bombay, 1933.* As. 7. Annual.

Report. Appendices showing (A) area cultivated and uncultivated; (B) cropped area; (C) distribution of crops; (D) irrigated area. Statistical tables relating to (I) rainfall of the year; (II) total area; area cultivated and uncultivated; (III) areas under principal crops in each district; (IV) irrigated area (details); (IVA) irrigated area (summary); (V) estimated outturn of Kharif and Rabi crops in parts of 100; (VA) area under food-

SANKHYĀ: THE INDIAN JOURNAL OF STATISTICS

grain crops in each district of the Bombay Presidency and its estimated outturn during 1931-32 and preceding two years; and (VI) prices of staple articles of food and of fodder.

Season and Crop Report of Bengal for the year 1931-32. Pp. 23, with appendices. 13.3" x 8.5". *Bengal Secretariat Book Depot, Calcutta, 1932.* Re. 1/3/- (2s.). Annual.

Report. Appendices showing (I) rainfall of the year; (II) classified area under cultivation in each district; (III) areas under principal crops in each district; (IV) area and crops irrigated during the year; (V) outturn in percentage of the principal crops, taking 100 to represent a normal outturn; supplement to (VA) normal rates of yield per acre of different crops; and (VI) the harvest prices of important crops.

Report on Tea Culture in Assam for the year 1931. By the Director of Agriculture, Assam. Pp. 13. 9.5" x 6.5". *Assam Govt. Press, Shillong,* As. 5 (6d.). Annual.

Report. Statement relating to production of tea in Assam during the calendar year 1931.

Approximate Date of Publication of Crop Forecasts

Besides the above, periodical estimates or forecasts of principal crops are compiled and issued by the Provincial Governments which are consolidated in the All-India forecasts issued by the Government of India in the *Indian Trade Journal*. The general practice is to issue a preliminary forecast, a second estimate and a third or final estimate fuller and more precise in data than the first two forecasts. The methods of preparing these forecasts are described in Appendices I and II to the *Estimates of Area and Yield of Principal Crops in India* referred to above. A list of the dates on or about which the All-India crop-forecasts are issued is given below:—

Crops	1st Report	2nd Report	3rd Report	4th Report	Supplementary Report
Rice	Oct. 20	Dec. 20	Feb. 20		
Wheat	Jan. 31	Mar. 15	April 20	May 20	Aug. 10 ^a
Sugarcane	Aug. 20	Oct. 20	Feb. 5		7
Cotton	Aug. 15	Oct. 15	Dec. 15	Feb. 15	Apr. 15
Jute ¹	July 7-15	Sep. 21			
Linseed, Rape & Mustard ...	Jan. 1	Mar. 15	June 1		
Sesamum (oil or jinjil). ...	Sept. 1	Oct. 20	Jan. 15	Apr. 20	
Castor Seed	Feb. 20				
Groundnut	Aug. 20	Oct. 20	Feb. 15		
Indigo ²	Oct. 15	Dec. 20			

¹ Published by the Director of Agriculture, Bengal.

² Forecasts discontinued since 1932.

^a Final Report.

N.B. The method of collection and genesis of these forecasts have been discussed in the article on "Indian Agricultural Statistics" by H. Sinha, Ph.D., published in *Jour. Roy. Stat. Soc.* Vol. XCVII, Part I, 1934.