

LAND USE STATISTICS AT A GLANCE 2004-05 TO 2013-14



सत्यमेव जयते

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PREFACE

The statistics of land utilization constitute one of the important items required for planning and policy formulation in agriculture. The Directorate of Economics and Statistics in the Ministry of Agriculture and Farmers Welfare has been collecting data on the nine-fold classification of land, irrigated area (source-wise and crop-wise) and total area under crops from all States and Union Territories in the country. The present publication is the sixteenth in the series containing updated data for the period from 2004-05 to 2013-14.

The detailed work involved in the preparation of this issue has been done under the overall guidance of Shri. Rajeev Lochan, Adviser, actively supported by staff members of the Special Data Dissemination Standards Division of this Directorate.

This Directorate is grateful to State Agricultural Statistics Authorities (SASAs) in all States/ UTs and other source agencies that have extended their cooperation in preparation of requisite data. Suggestions for further improvement in the publication would be welcome.

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EXPLANATORY NOTES **(2004-05 TO 2013-14)**

Wherever data have not been received in a particular year from the State Governments for different parameters, following estimation procedure has been used:

* **Classification of land (Part-1)** : The figures related to area under forest are taken from latest "State of Forest Report," of the Forest Survey of India, Dehradun. The other categories of land use (Part-I), net irrigated area, gross irrigated area, net area sown and area under crops as the case may be, are taken from latest Agriculture Census or are estimated based on latest available year data received from the States/UTs respectively.

** **Irrigated Area (Part-II)** : The figures related to irrigated area (Part-II) are either estimated based on the data for the latest available year received from the States/UTs or are estimated/taken from Agriculture Census.

*** **Area Under Crops (Part-III)** : The figures related to Total Cropped Area (Part-III) are either estimated based on the latest available data received from States/UTs or are based on advance/forecast estimates received from the States/UTs.

Note: (1) There can be variations in the geographical area and reported area in some states due to usage of different data sources. While reported area is based on the information provided by the states, Geographical area is based on the data supplied by the Office of Director, Geographical Map Publication, Survey of India, Dehradun includes the area under illegal occupation by China and Pakistan.

(2) Figures from 2003-04 to 2012-13 reported in earlier publications have been suitably revised in all the three parts of Land Use Statistics for 2004-05 to 2013-14 based on the latest data received from the States/UTs.

(3) The figures classified under different columns for different categories of land, viz, land put to different uses according to nine-fold classification, area under irrigation and area under crops do not always add up in sub-totals and as a whole to the area totals at state and all India levels due to rounding off of the figures.

(4) '0' means area is less than 500 hectares.

(5) Blank space denotes not available or no reporting of data from the States/UTs

(6) NAS: Not Available Separately.

(7) (p): Provisional.

Data Sources for the Publication:

- (i) State Agricultural Statistics Authorities/Bureau/Directorate of Economics & Statistics.
- (ii) Geographical Map Publication, Survey of India, Dehradun.
- (iii) Agriculture Census.
- (iv) State of Forest Reports, Forest Survey of India, Dehradun.
- (v) **Land Use Statistics (LUS) of Odisha from 2009-10 onwards:** Prior to 2009-10, Director of Agriculture and Food Production, Odisha has been the reporting authority/data source of Land Use Statistics (LUS) and the statistics/data furnished by them were based on eye estimation. Data source from 2009-10 onwards is Directorate of Economics & Statistics (DES) which is the SASA (State Agriculture Statistics Authority).

LAND USE STATISTICS CONCEPTS & DEFINITIONS

A: NINE-FOLD CLASSIFICATION:

- 1. Forest Area:** This includes all land classified either as forest under any legal enactment, or administered as forest, whether State-owned or private, and whether wooded or maintained as potential forest land. The area of crops raised in the forest and grazing lands or areas open for grazing within the forests remain included under the “forest area”.
- 2. Area under Non-agricultural Uses:** This includes all land occupied by buildings, roads and railways or under water, e.g. rivers and canals, and other land put to uses other than agriculture.
- 3. Barren and Un-culturable Land:** This includes all land covered by mountains, deserts, etc. Land, which cannot be brought under cultivation except at an exorbitant cost is classified as unculturable whether such land is in isolated blocks or within cultivated holdings.
- 4. Permanent Pasture and other Grazing Land:** This includes all grazing land whether it is permanent pasture/meadows or not. Village common grazing land is included under this category.
- 5. Land under Miscellaneous Tree Crops, etc.:** This includes all cultivable land, which is not included in ‘Net area sown’ but is put to some agricultural use. Land under casuring trees, thatching grasses, bamboo bushes and other groves for fuel, etc. which are not included under ‘Orchards’ are classified under this category.
- 6. Culturable Waste Land:** This includes land available for cultivation, whether taken up or not taken up for cultivation once, but not cultivated during the last five years or more in succession including the current year for some reason or the other. Such land may be either fallow or covered with shrubs and jungles, which are not put to any use. They may be accessible or inaccessible and may lie in isolated blocks or within cultivated holdings.
- 7. Fallow Lands other than Current Fallows:** This includes all land, which was taken up for cultivation but is temporarily out of cultivation for a period of not less than one year and not more than five years.
- 8. Current Fallows:** This represents cropped area, which is kept fallow during the current year.
- 9. Net Area Sown:** This represents the total area sown with crops and orchards. Area sown more than once in the same year is counted only once.

B. DEFINITIONS OF SOME COMMONLY USED TERMS:

(i) Geographical Area: The latest figures of geographical area of the State/Union Territories are as provided by the Office of the Surveyor General of India.

(ii) Reporting Area for Land Utilisation Statistics: The Reporting area stands for the area for which data on land use classification is available. In areas where land

utilization figures are based on land records, reporting area is the area according to village papers, i.e. the papers prepared by the village accountants. In some cases, the village papers may not be maintained in respect of the entire area of the State. For example, village papers are not prepared for the forest areas but the magnitude of such area is known. Also there are tracts in many States for which no village paper exists. In such cases, estimates of classification of area from agriculture census, 2000-01 and 2005-06 are adopted to complete the coverage.

(iii) Gross Cropped Area: This represents the total area sown once and/or more than once in a particular year, i.e. the area is counted as many times as there are sowings in a year. This total area is also known as total cropped area or total area sown.

(iv) Area Sown more than once: This represents the areas on which crops are cultivated more than once during the agricultural year. This is obtained by deducting Net Area Sown from Gross Cropped Area.

(v) Irrigated Area: The area is assumed to be irrigated for cultivation through such sources as canals (Govt. & Private), tanks, tube-wells, other wells and other sources. It is divided into two categories:

(a) Net Irrigated Area: It is the area irrigated through any source once in a year for a particular crop.

(b) Total Net Un-irrigated Area: It is the area arrived at by deducting the net irrigated area from net sown area.

(vi) Total / Gross Irrigated Area: It is the total area under crops, irrigated once and/or more than once in a year. It is counted as many times as the number of times the areas are cropped and irrigated in a year

(vii) Total/Gross Un-Irrigated Area: It is the area arrived at by deducting the gross irrigated area from the gross sown area.

(viii) Cropping Intensity: It is the ratio of Total Cropped Area to Net Area Sown.

(ix) Agricultural Land/Total Culturable Land /Total Cultivable Area/Total Arable land: This consists of net area sown, current fallows, fallow lands other than current fallows, culturable waste land and land under miscellaneous tree crops.

(x) Total Un-Cultivable Area/Land: It is the area arrived at by deducting the total cultivable area from the total reported area.

(xi) Total Cultivated Area/Land: This consists of net area sown and current fallows.

(xii) Total Un-Cultivated Area/Land: It is the area arrived at by deducting the total cultivated area from the total reported area.

PART – I
LAND USE CLASSIFICATION
AND
IRRIGATED AREA

PART –II
AREA IRRIGATED
SOURCE-WISE & CROP-WISE

PART –III

AREA UNDER CROPS

**ALL INDIA SUMMARY
TABLES**