

District Level Database Documentation

19 States of India

Updated Database (Apportioned)

Objective 2 of VDSA Project

Documentation of Files : 1966-67 to 2011-12 (1966 district boundaries)

July, 2015

**Village Dynamics in South Asia (VDSA)
ICRISAT-ICAR-IRRI Collaborative Research Project
Module I (ICRISAT Component)**



**International Crops Research Institute
for the Semi-Arid Tropics**
About ICRISAT: www.icrisat.org
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Preface

The expanded and updated 19-states district level database includes data from 1966 to 2011. This documentation is for the updated database (Apportioned).

This database builds on the earlier ICRISAT district level database of thirteen states (Andhra Pradesh, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, Bihar, West Bengal and Odisha) with addition of three states (Assam, Himachal Pradesh, Kerala) and also newly formed three states in 2000 (Chhattisgarh, Jharkhand and Uttarakhand). The database includes data for all districts formed to date, and includes data on crop area and production, irrigated area, monthly rainfall and livestock and agricultural implements, operational holdings and population census data, but also includes selected socioeconomic and agro-ecological variables.

The districts in this database relate to 1966 base i.e., data of districts formed after 1966 are given back to their parent districts and removed from the file. Thus consistent and comparable time series data are available for all districts formed after 1966. A list of districts formed after 1966 and their parent districts are given in the section on apportioning data of newly formed districts. This section also explains the methodology for apportioning newly formed districts to their parent districts.

This documentation is divided into the following sections.

- List and description of data files
- Data clarifications and anomalies
- Available data and Missing data
- List of districts formed prior to 1966 (1966 base)
- List of newly formed districts (after 1966 and their parent district)
- Data sources

This data are stored in Excel spreadsheet. Compilation, computerization, proof reading, and subsequent validation of raw data were extremely time consuming tasks; matching data from different states and sources. Despite our efforts, several anomalies remain in the database and are highlighted in the section on “Data clarifications and anomalies”.

Users are urged to make a note of any glaring data inconsistencies and bring to our attention so that we can continuously improve the quality of data and they are urged to read this documentation carefully prior to using the data, particularly the sections on data clarification and anomalies and missing data.

Several data sources were utilized to compile this database. Many times, staff working on this project had to visit state Directorates of Agriculture and state Bureaus of Economics and Statistics to collect unpublished data. The support and cooperation extended by these organizations is highly appreciated and we take this opportunity to thank them for their patience in bearing with our requests. But for their cooperation, this database would not have been completed. The last section gives details of data sources.

Date: 01/07/2015

Project Team Members

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1. Project Staff Members

List of staff involved in the update, development and documentation of 19 states district level database.

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Suggested citation: ICRISAT (2015) Meso level data for India: 1966-2011, collected and compiled under the project on Village Dynamics in South Asia.

2. List and Description of Variables

Data Files

The database is divided into 23 data files as follows:

1. Area and Production: Cereals, Pulses, Oilseeds and Selected Cash Crops
2. Crop-wise Irrigated Area
3. HYV Area (Cereal Crops)
4. Land Use (Geographical Area, Forest Area, etc.)
5. Net Cropped Area, Gross Cropped Area, Net Irrigated Area and Gross Irrigated Area
6. Source-wise Irrigated Area
7. Farm Harvest Prices: All Crops
8. Fertilizer Consumption
9. Fertilizer Prices
10. Fodder Area and Fodder Irrigated Area
11. Field Labor Wages
12. Markets and Roads
13. Annual and Monthly Actual Rainfall
14. Annual and Monthly Normal Rainfall¹
15. Length of Growing Period¹
16. Soil Type¹
17. Annual and Monthly Normal Potential Evapotranspiration¹ (PE)
18. Annual Moisture Availability Index¹ (MAI)
19. Agroecological Subregions¹ (AESR)
20. Population Census Data (Population, Literacy, Cultivators, Agric. Laborers)
21. Livestock (Census Data)
22. Operational Holdings (Census Data)
23. Farm Implements and Machinery (Census Data)

The data are stored in Excel spreadsheet.

¹ Variables in the data files are static variables, i.e., are single point data, not time series.

Summary of Meso-level database documentation

The district level database for India is divided into two parts. 1. Apportioned database.
2. Unapportioned database:

Apportioned database: Data for all variables for the districts formed after 1966 have been given back to their parent district and removed from the database. A total of 249 new districts were formed between 1966 and 2011. For example, Rangareddy district was formed in 1978-79 from Hyderabad. The data for all variables for Rangareddy district were given back to its parent district Hyderabad (100%) and Rangareddy district removed from the database. The criterion used for determining the apportioning percent was based on the geographical area of the parent district transferred to the new district. The data for all variables in the database (except for rainfall, farm harvest prices (FHP) and wages) are apportioned using this proportion. Thus the continuity of data over time is ensured for comparison of key trends at two points in time enabling time series analysis. For more details see section on adjustment of district boundaries. This database contains data for 311 districts spread across 19 states of India from 1966-67 to 2011-12.

No. of districts in the 19 states district level database from 1966 to 2011

State Code	State	Unapportioned (upto 2011)	Apportioned (1966 base)	New districts Formed
1	Andhra Pradesh	23	20	3
2	Bihar	38	11	43
3	Gujarat	26	18	8
4	Haryana	21	7	14
5	Karnataka	30	19	12
6	Madhya Pradesh	50	37	22
7	Maharashtra	35	26	9
8	Odisha	30	13	17
9	Punjab	22	11	11
10	Rajasthan	33	26	7
11	Tamil Nadu	32	12	19
12	Uttar Pradesh	75	46	36
13	West Bengal	18	15	6
14	Chhattisgarh ¹	27	6	12
15	Jharkhand ¹	24	6	6
16	Uttarakhand ¹	13	8	-
17	Assam	27	10	18
18	Himachal Pradesh	12	10	2
19	Kerala	14	10	4
Total no of districts		550	311	249

¹⁾ The states of Chhattisgarh, Jharkhand and Uttarakhand states were formed in year 2000 from Madhya Pradesh, Bihar and Uttar Pradesh states respectively. These districts that are formed after year 2000 are included in 'New districts formed' column and which are formed before year 2000 is included in their parent states.

States:

19 states are covered in the database.

Andhra Pradesh, Bihar, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal, Chhattisgarh, Jharkhand, Uttarakhand Assam, Himachal Pradesh and Kerala

Years:

Apportioned data: 1966-67 to 2011-12

Units:

Area	-	000 Hectares
Production	-	000 Tonnes
Numbers	-	000 Numbers
Rainfall	-	Millimeters
Days	-	Days
Prices (FHP)	-	Rs/quintal (100 kg)
Fertilizer consumption	-	Tonnes

Missing data:

Missing data are shown as "-1" in the data files for the following cases;

- 1) Complete year missing for all variables in a file (i.e., variable group) for selected states.
- 2) Missing for a few districts for all variables in a file.
- 3) Missing for a specific crop/variable in a file for selected states (for instance the crop is not grown for that particular state).

Data format:

The data are stored in Excel spreadsheet.

The database is divided into 23 data files.

Common variables:

In the database, each file has the following five common identifier variables

- State code, State name, District code, District name and Year

Whereas the data files of each file (one point in time data) has the following four common variables

- State code, State name, District code, District name

Summary of files and list of variables

File description	Variable name	No. of variables
Time series data files		
Area and Production	Rice, Wheat, Sorghum (kharif), Sorghum (rabi), Sorghum (total), Pearl millet, Maize, Finger millet, Barley, Cereals, Chickpea, Pigeonpea, Minor pulses, Total pulses, Groundnut, Sesamum, Rapeseed and Mustard, Safflower, Castor, Linseed, Sunflower, Soyabean, Total oilseeds, Sugarcane, Cotton, Fruits. Vegetables, Total fruits and vegetables, Potatoes, Onions	59
Crop-wise Irrigated area	Rice, Wheat, Sorghum (kharif), Sorghum (rabi), Sorghum (total), Pearl millet, Maize, Finger millet, Barley, Chickpea, Pigeonpea, Minor pulses, Groundnut, Sesamum, Rapeseed and Mustard, Linseed, Sugarcane, Cotton, Total fruits and vegetables	24
HYV Area under Cereal Crops	Rice, Wheat, Sorghum Pearl millet, Maize, Finger millet, Total HYV area	12
Land use	Geographical area, Forest area, Barren and uncultivable land, Land put to non agricultural uses, Cultivable waste, Permanent pastures & other grazing land, Other fallow land, Current fallow land	13
Source-wise Irrigated Area	Net irrigated area by Canals, Tanks, Tube wells, Other wells, Total wells, Other sources	11
Cropped & Irrigated Area	Net cropped area, Gross cropped area, Net irrigated area, Gross irrigated area	9
Area under fodder crops (dry and irrigated)	Fodder area, Fodder irrigated area	7
Farm Harvest Prices	Rice, Paddy, Wheat, Sorghum, Pearl millet, Maize, Finger millet, Barley, Chickpea, Pigeonpea, Sugarcane (gur), Groundnut, Sesamum, Rape and Mustard, Linseed, Castor, Cotton (kapas)	22
Fertilizer Consumption	Nitrogen, Phosphate, Potash, Total (NPK)	9
Fertilizer Prices	Nitrogen, Phosphate, Potash	8
Monthly Actual Rainfall	Annual rainfall, June, July + August	8
Population Census	Total population, Male population, Female population, Total rural population, Male rural population, Female rural population, Total urban population, Male urban population, Female urban population, Total literates, Male literates, Female literates, Total rural literates, Male rural literates, Female rural literates, Total Urban	41

	literate, Male urban literates, Female urban literates, Total cultivators, Male cultivators, Female cultivators, Total rural cultivators, Total urban cultivators, Male urban cultivators, Female urban cultivators, Total agricultural labour, Male agricultural labour, Female agricultural labour, Total rural agricultural labour, Male rural agricultural labour, Female rural agricultural labour, Total urban agricultural labour, Male urban agricultural labour, Female urban agricultural labour	
Livestock Census	Total male and female cattle (crossbred + indigenous), Adult male cattle (crossbred + indigenous), Adult female cattle (crossbred + indigenous), Young male cattle (crossbred + indigenous), Young female cattle (crossbred + indigenous), Young male and female cattle (crossbred + indigenous), Total male and female buffaloes, Adult male buffaloes, Adult female buffaloes, Young male buffaloes, Young female buffaloes, Young male and female buffaloes, Total sheeps (adult + young stock), Total goats (adult + young stock), Total horses (adult + young stock), Total donkeys (adult + young stock), Total camels (adult + young stock), Total pigs (adult + young stock), Total livestock (excluding dogs), Total poultry	25
Agricultural Implements Census	Diesel pump sets, Electric pump sets, Power tiller, Tractor	9
Agricultural Census	Marginal number, Marginal area (below 1 ha), Small number, Small area (1.0 to 2.0 ha), Semi-Medium number, Semi-Medium area (2.0 to 4.0 ha), Medium number, Medium area (3.0 to 10.0 ha), Large number, Large area (above 10.0 ha), Total number, Total area	17
Markets and Roads	Principle markets, (Nos), Sub markets (Nos), Total markets (Nos), Road length (Kms)	9
Field Labor Wages	District wage rate (Rs.), State wage rate (Rs.)	9
One point in time data files		
Monthly Normal Rainfall	Latitude degrees east, Longitude degrees north, January normal rainfall, February normal rainfall, March normal rainfall, April normal rainfall, May normal rainfall, June normal rainfall, July normal rainfall, August normal rainfall, September normal rainfall, October normal rainfall, November normal rainfall, December normal rainfall, Annual normal	19

	rainfall	
Length of Growing Period	Length of growing period (days)	5
Soil Type	Type of the soil	5
Monthly Normal Potential Evapotranspiration (PE)	Latitude degrees east, Longitude degrees north, January normal PE, February normal PE, March normal PE, April normal PE, May normal PE, June normal PE, July normal PE, August normal PE, September normal PE, October normal PE, November normal PE, December normal PE, Annual normal PE	19
Moisture Availability Index	Latitude degrees east, Longitude degrees north, Annual dependable perspiration, Annual normal rainfall, Annual normal PE, Annual normal moisture availability index	10
Agroecological Subregions	Agroecological subregions	5

Crops Area & Production - 19 States¹

Filename : DT-AREA-PROD-A.XLS No. of records : 14232
 Years : 1966 to 2011 Date of last update : June 2015
 Units : Area in '000 hectares, Production in '000 tons.

S.No.	Abbreviation	Description of variables
1	STCODE	State code
2	STNAME	State name
3	DIST	District code
4	DISTNAME	District name
5	YEAR	Year (1966 relates to 1966-67 and so on)
6	RICE_TA	Rice area
7	RICE_TQ	Rice production
8	WHT_TA	Wheat area
9	WHT_TQ	Wheat production
10	SORG_KA	Kharif sorghum area
11	SORG_KQ	Kharif sorghum production
12	SORG_RA	Rabi sorghum area
13	SORG_RQ	Rabi sorghum production
14	SORG_TA	Total sorghum area
15	SORG_TQ	Total sorghum production
16	PMLT_TA	Pearl millet area
17	PMLT_TQ	Pearl millet production
18	MAIZ_TA	Maize area
19	MAIZ_TQ	Maize production
20	FMLT_TA	Finger millet area
21	FMLT_TQ	Finger millet production
22	BRLY_TA	Barley area
23	BRLY_TQ	Barley production
24	CERL_TA	Total cereals area
25	CERL_TQ	Total cereals production
26	CPEA_TA	Chickpea area
27	CPEA_TQ	Chickpea production
28	PPEA_TA	Pigeonpea area
29	PPEA_TQ	Pigeonpea production
30	MPUL_TA	Minor pulses area (includes all pulses other than chickpea and pigeonpea)
31	PULS_TA	Total pulses area
32	PULS_TQ	Total pulses production
33	GNUT_TA	Groundnut area
34	GNUT_TQ	Groundnut production
35	SESA_TA	Sesamum area
36	SESA_TQ	Sesamum production

Contd...

Crops Area & Production - 19 States¹

S.No.	Abbreviation	Description of variables
37	RM_TA	Rape and mustard area
38	RM_TQ	Rape and mustard production
39	SAFF_TA	Safflower area
40	SAFF_TQ	Safflower production
41	CAST_TA	Castor area
42	CAST_TQ	Castor production
43	LINS_TA	Linseed area
44	LINS_TQ	Linseed production
45	SUNF_TA	Sunflower area
46	SUNF_TQ	Sunflower production
47	SOYA_TA	Soyabean area
48	SOYA_TQ	Soyabean production
49	OILS_TA	Total oil seeds area
50	OILS_TQ	Total oil seeds production
51	SCAN_TA	Sugarcane area
52	SGUR_TQ	Sugarcane (gur) production
53	COTN_TA	Cotton area
54	COTN_TQ	Cotton (lint) production
55	FRUT_TA	Fruits area
56	VEGT_TA	Vegetables area
57	TFV_TA	Total fruits and vegetables area
58	POTA_TA	Potatoes area
59	ONIO_TA	Onions area

¹Andhra Pradesh, Bihar, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal, Chhattisgarh, Jharkhand, Uttarakhand, Assam, Himachal Pradesh and Kerala.

Crop-wise Irrigated Area - 19 States¹

Filename : DT-CIA-A.XLS No. of records : 12924
Years : 1966 to 2011 Date of last update : June 2015
Units : Area in '000 hectares.

S.No.	Abbreviation	Description of variables
1	STCODE	State code
2	STNAME	State name
3	DIST	District code
4	DISTNAME	District name
5	YEAR	Year (1966 relates to 1966-67 and so on)
6	RICE_TAI	Rice area irrigated
7	WHT_TAI	Wheat area irrigated
8	SORG_KAI	Kharif sorghum area irrigated
9	SORG_RAI	Rabi sorghum area irrigated
10	SORG_TAI	Total sorghum area irrigated
11	PMLT_TAI	Pearl millet area irrigated
12	MAIZ_TAI	Maize area irrigated
13	FMLT_TAI	Finger millet area irrigated
14	BRLY_TAI	Barley area irrigated
15	CPEA_TAI	Chickpea area irrigated
16	PPEA_TAI	Pigeonpea area irrigated
17	GNUT_TAI	Groundnut area irrigated
18	SESA_TAI	Sesamum area irrigated
19	RM_TAI	Rape and mustard area irrigated
20	LINS_TAI	Linseed area irrigated
21	SCAN_TAI	Sugarcane area irrigated
22	COTN_TAI	Cotton area irrigated
23	TFV_TAI	Total fruits and vegetables area irrigated
24	MPUL_TAI	Minor pulses area irrigated (includes all pulses other than chickpea and pigeonpea)

¹Andhra Pradesh, Bihar, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal, Chhattisgarh, Jharkhand, Uttarakhand, Assam, Himachal Pradesh and Kerala.

Land Use - 19 States¹

Filename : DT-LANDUSE-A.XLS No. of records : 14086
Years : 1966 to 2011 Date of last update : June 2015
Units : Area in '000 hectares.

S.No.	Abbreviation	Description of variables
1	STCODE	State code
2	STNAME	State name
3	DIST	District code
4	DISTNAME	District name
5	YEAR	Year (1966 relates to 1966-67 and so on)
6	TOTGEOG	Geographical area / Reporting area for land utilization statistics (RLU)
7	FOREST	Forest area
8	BARREN	Barren & uncultivable land
9	NONAGRI	Land put to non agricultural uses
10	CWASTE	Cultivable waste
11	PPASTUR	Permanent pastures & other grazing land
12	OTFALOW	Other fallow lands
13	CUFALOW	Current fallow lands

¹Andhra Pradesh, Bihar, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal, Chhattisgarh, Jharkhand, Uttarakhand, Assam, Himachal Pradesh and Kerala.

Source-wise Irrigated Area - 19 States¹

Filename : DT-SIA-A.XLS No. of records : 13413
Years : 1966 to 2011 Date of last update : June 2015
Units : Area in '000 hectares.

S.No.	Abbreviation	Description of variables
1	STCODE	State code
2	STNAME	State name
3	DIST	District code
4	DISTNAME	District name
5	YEAR	Year (1966 relates to 1966-67 and so on)
6	CANALS	Net irrigated area by canals
7	TANKS	Net irrigated area by tanks
8	TUBEWELL	Net irrigated area by tube wells
9	OTHWELL	Net irrigated area by other wells
10	TOTWELL	Net irrigated area by total wells
11	OTHSOUR	Net irrigated area by other sources

Data for Maharashtra combines area irrigated under canals, tanks and other sources under one heading “surface irrigation”. For our purposes data for surface irrigation are listed under the “tanks” variable.

¹Andhra Pradesh, Bihar, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal, Chhattisgarh, Jharkhand, Uttarakhand, Assam, Himachal Pradesh and Kerala.

For Odisha the variable “other source” is included under the variable “other wells”.

Cropped and Irrigated Area (Gross & Net) - 19 States¹

Filename : DT-NCA-GCA-NIA-GIA-A.XLS No. of records : 14084
Years : 1966 to 2011 Date of last update : June 2015
Units : Area in '000 hectares.

S.No.	Abbreviation	Description of variables
1	STCODE	State code
2	STNAME	State name
3	DIST	District code
4	DISTNAME	District name
5	YEAR	Year (1966 relates to 1966-67 and so on)
6	NCA	Net cropped area (net area sown)
7	GCA	Gross cropped area (total cropped area)
8	NIA	Net irrigated area
9	GIA	Gross irrigated area

Fodder Area and Irrigated Area - 19 States¹

Filename : DT-FODDER-A.XLS No. of records : 12565
Years : 1966 to 2011 Date of last update : June 2015
Units : Area in '000 hectares.

S.No.	Abbreviation	Description of variables
1	STCODE	State code
2	STNAME	State name
3	DIST	District code
4	DISTNAME	District name
5	YEAR	Year (1966 relates to 1966-67 and so on)
6	FODDER_TA	Fodder area
7	FODDER_TIA	Fodder irrigated area

¹Andhra Pradesh, Bihar, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal, Chhattisgarh, Jharkhand, Uttarakhand, Assam, Himachal Pradesh and Kerala.

Farm Harvest Prices (All Crops) - 19 States¹

Filename : DT-FHP-A.XLS No. of records : 13959
Years : 1966 to 2011 Date of last update : June 2015
Units : Rs./100 Kgs.

S.No.	Abbreviation	Description of variables
1	STCODE	State code
2	STNAME	State name
3	DIST	District code
4	DISTNAME	District name
5	YEAR	Year (1966 relates to 1966-67 and so on)
6	RICE_TP	Rice price
7	PADY_TP	Paddy price
8	WHT_TP	Wheat price
9	SORG_TP	Sorghum price
10	PMLT_TP	Pearl millet price
11	MAIZ_TP	Maize price
12	FMLT_TP	Finger millet price
13	BRLY_TP	Barley price
14	CPEA_TP	Chickpea price
15	PPEA_TP	Pigeonpea price
16	GNUT_TP	Groundnut price
17	SESA_TP	Sesamum price
18	RM_TP	Rape and mustard price
19	CAST_TP	Castor price
20	LINS_TP	Linseed price
21	SGUR_TP	Sugarcane (gur) price
22	COTNK_TP	Cotton (kapas) price

¹Andhra Pradesh, Bihar, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal, Chhattisgarh, Jharkhand, Uttarakhand, Assam, Himachal Pradesh and Kerala.

Fertilizer Consumption - 19 States¹

Filename : DT-FERT-CONSUMPTION-A.XLS No. of records : 14194
Years : 1966 to 2011 Date of last update : June 2015
Units : Tonnes

S.No.	Abbreviation	Description of variables
1	STCODE	State code
2	STNAME	State name
3	DIST	District code
4	DISTNAME	District name
5	YEAR	Year (1966 relates to 1966-67 and so on)
6	N_TC	Nitrogen consumption
7	P_TC	Phosphate consumption
8	K_TC	Potash consumption
9	NPK_TC	Nitrogen, Phosphate and Potash consumption

Fertilizer Prices - 19 States¹

Filename : DT-FERT-PRICES-A.XLS No. of records : 8147
Years : 1966 to 1994 Date of last update : Jan'2000
Units : Rs./ ton

S.No.	Abbreviation	Description of variables
1	STCODE	State code
2	STNAME	State name
3	DIST	District code
4	DISTNAME	District name
5	YEAR	Year (1966 relates to 1966-67 and so on)
6	N_TP	Nitrogen prices
7	P_TP	Phosphate prices
8	K_TP	Potash prices

¹Andhra Pradesh, Bihar, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal, Chhattisgarh, Jharkhand, Uttarakhand, Assam, Himachal Pradesh and Kerala.

Annual & Monthly Actual Rainfall - 19 States¹

Filename : DT-JUNE-JULYAUG-RAINFALL-A.XLS No. of records : 13812
Years : 1966 to 2011 Date of last update : June 2015
Units : Millimeters.

S.No.	Abbreviation	Description of variables
1	STCODE	State code
2	STNAME	State name
3	DIST	District code
4	DISTNAME	District name
5	YEAR	Year
6	ANNUAL	Annual rainfall (January to December)
7	JUNE	June actual rainfall
8	JULAUGRF	July + August actual rainfall

¹Andhra Pradesh, Bihar, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal, Chhattisgarh, Jharkhand, Uttarakhand, Assam, Himachal Pradesh and Kerala.

Population Census Data - 19 States¹

Filename : DT-POPULATION-A.XLS No. of records : 1850
 Years : 1961, 1971, 1981, 1991,2001 and 2011 Date of last update : Oct'2013
 Units : In '000 Nos.

S.No.	Abbreviation	Description of variables
1	STCODE	State code
2	STNAME	State name
3	DIST	District code
4	DISTNAME	District name
5	YEAR	Year (census year)
6	POP_T	Total population
7	POP_M	Male population
8	POP_F	Female population
9	POP_RU	Total rural population
10	POP_RM	Male rural population
11	POP_RF	Female rural population
12	POP_UB	Total urban population
13	POP_UM	Male urban population
14	POP_UF	Female urban population
15	LIT_T	Total literates
16	LIT_M	Male literates
17	LIT_F	Female literates
18	LIT_RU	Total rural literates
19	LIT_RM	Male rural literates
20	LIT_RF	Female rural literates
21	LIT_UB	Total urban literates
22	LIT_UM	Male urban literates
23	LIT_UF	Female urban literates
24	CULT_T	Total cultivators
25	CULT_M	Male cultivators
26	CULT_F	Female cultivators
27	CULT_RU	Total rural cultivators
28	CULT_RM	Male rural cultivators
29	CULT_RF	Female rural cultivators
30	CULT_UB	Total urban cultivators
31	CULT_UM	Male urban cultivators
32	CULT_UF	Female urban cultivators

Contd...

Population Census Data - 19 States¹

S.No.	Abbreviation	Description of variables
33	AGRL_T	Total agricultural labour
34	AGRL_M	Male agricultural labour
35	AGRL_F	Female agricultural labour
36	AGRL_RU	Total rural agricultural labour
37	AGRL_RM	Male rural agricultural labour
38	AGRL_RF	Female rural agricultural labour
39	AGRL_UB	Total urban agricultural labour
40	AGRL_UM	Male urban agricultural labour
41	AGRL_UF	Female urban agricultural labour

¹Andhra Pradesh, Bihar, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal, Chhattisgarh, Jharkhand, Uttarakhand, Assam, Himachal Pradesh and Kerala.

Livestock Census Data - 19 States¹

Filename	: DT-LIVESTOCK-A.XLS	No. of records	: 2990
Years	: Quinquennial census	Date of last update	: June 2015
Units	: '000 Nos.		

S.No.	Abbreviation	Description of variables
1	STCODE	State code
2	STNAME	State name
3	DIST	District code
4	DISTNAME	District name
5	YEAR	Year (1966, 1972, 1977, 1982, 1987, 1992, 1997, 2003, 2007, 2012)
6	CATL_T	Total male and female cattle crossbred + indigenous
7	CATL_AM	Adult male cattle crossbred + indigenous
8	CATL_AF	Adult female cattle crossbred + indigenous
9	CATL_YM	Young male cattle crossbred + indigenous
10	CATL_YF	Young female cattle crossbred + indigenous
11	CATL_YMF	Young male and female cattle crossbred + indigenous
12	BUFF_T	Total male and female buffaloes
13	BUFF_AM	Adult male buffaloes
14	BUFF_AF	Adult female buffaloes
15	BUFF_YM	Young male buffaloes
16	BUFF_YF	Young female buffaloes
17	BUFF_YMF	Young male and female buffaloes
18	SHEEP_T	Total sheeps (Adult + young stock)
19	GOAT_T	Total goats (Adult + young stock)
20	HORSE_T	Total horses (Adult + young stock)
21	DONKEY_T	Total donkeys (Adult + young stock)
22	CAMEL_T	Total camels (Adult + young stock)
23	PIG_T	Total pigs (Adult + young stock)
24	LIVESTOCK_T	Total livestock (excluding dogs)
25	POULTRY_T	Total poultry

¹Andhra Pradesh, Bihar, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal, Chhattisgarh, Jharkhand, Uttarakhand, Assam, Himachal Pradesh and Kerala.

Agricultural Implements Census Data - 19 States¹

Filename : DT-AGRI-IMPLEMENTS-A.XLS No. of records : 2474
Years : Quinquennial census Date of last update : June 2015
Units : '000 Nos.

S.No.	Abbreviation	Description of variables
1	STNAME	State name
2	STCODE	State code
3	DISTNAME	District name
4	DIST	District code
5	YEAR	Year (1972, 1977, 1982, 1987, 1992, 1997, 2003, 2007)
6	DIESEL_PS	Diesel pump sets
7	ELECTRIC_PS	Electric pump sets
8	POWER_T	Power tiller
9	TRACTOR	Tractor

Markets & Roads - 19 States¹

Filename : DT-MAKET-ROAD-A.XLS No. of records : 13058
Years : 1966 to 2011 Date of last update : June 2015
Units : Markets in Nos. Road length in Kms.

S.No.	Abbreviation	Description of variables
1	STCODE	State code
2	STNAME	State name
3	DIST	District code
4	DISTNAME	District name
5	YEAR	Year (1970 relates to 1970-71 and so on)
6	PPMRKT	Principle markets in nos.
7	PSMRKT	Sub markets in nos.
8	PTMRKT	Total markets in nos.
9	LROAD	Road Length in Kms.

¹Andhra Pradesh, Bihar, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal, Chhattisgarh, Jharkhand, Uttarakhand, Assam, Himachal Pradesh and Kerala.

Wage rate - 19 States¹

Filename : DT-WAGE-RATE-A.XLS No. of records : 13884
Years : 1966 to 2010 Date of last update : June 2015
Units : Wage rate in rupees

S.No.	Abbreviation	Description of variables
1	STCODE	State code
2	STNAME	State name
3	DIST	District code
4	DISTNAME	District name
5	YEAR	Year (1966 relates to 1966-67 and so on)
6	MALE_WAGE	District male wage rate
7	FEM_WAGE	District female wage rate
8	MALE_SAW	State male average wage rate
9	FEM_SAW	State female average wage rate

¹Andhra Pradesh, Bihar, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal, Chhattisgarh, Jharkhand, Uttarakhand, Assam, Himachal Pradesh and Kerala.

OPERATIONAL HOLDINGS - 19 States¹

Filename : DT-OPERATIONAL-HOLDINGS-A.XLS No. of records : 2582
Years : Census data Date of last update : June 2015
Units : Number in 000 Nos. Area in 000 hectares

S.No.	Abbreviation	Description of variables
1	STCODE	State code
2	STNAME	State name
3	DIST	District code
4	DISTNAME	District name
5	YEAR	Year (1970, 1975, 1980, 1985, 1990, 1995, 2000, 2005, 2010)
6	MARG_NO	Number - Marginal (below 1.0 ha)
7	MARG_AR	Area - Marginal (below 1 ha)
8	SMALL_NO	Number – Small (1.0 to 2.0 ha)
9	SMALL_AR	Area - Small (1.0 to 2.0 ha)
10	SEMIM_NO	Number - Semi-Medium (2.0 to 4.0 ha)
11	SEMIM_AR	Area (Semi-Medium (2.0 to 4.0 ha)
12	MEDIUM_NO	Number - Medium (4.0 to 10.0 ha)
13	MEDIUM_AR	Area - Medium (4.0 to 10.0 ha)
14	LARGE_NO	Number - Large (10.0 ha and above)
15	LARGE_AR	Area - Large (10 ha and above)
16	TOTAL_NO	Number - Total
17	TOTAL_AR	Area – Total

¹Andhra Pradesh, Bihar, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal, Chhattisgarh, Jharkhand, Uttarakhand, Assam, Himachal Pradesh and Kerala.

Annual & Monthly Normal Rainfall - 19 States¹

Filename : DT-NORMAL-RAINFALL-A.XLS No. of records : 310
Years : One point in time Date of last update : Jan'2000
Units : Millimeters.

S.No.	Abbreviation	Description of variables
1	STCODE	State code
2	STNAME	State name
3	DIST	District code
4	DISTNAME	District name
5	LAT	Latitude degrees east
6	LONG	Longitude degrees north
7	JAN	January normal rainfall
8	FEB	February normal rainfall
9	MARCH	March normal rainfall
10	APRIL	April normal rainfall
11	MAY	May normal rainfall
12	JUNE	June normal rainfall
13	JULY	July normal rainfall
14	AUG	August normal rainfall
15	SEPT	September normal rainfall
16	OCT	October normal rainfall
17	NOV	November normal rainfall
18	DEC	December normal rainfall
19	ANNUAL	Annual normal rainfall

¹Andhra Pradesh, Bihar, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal, Chhattisgarh, Jharkhand, Uttarakhand, Assam, Himachal Pradesh and Kerala.

Length of Growing Period (LGP) - 19 States¹

Filename : DT-LGP-A.XLS No. of records : 310
Years : One point in time Date of last update : Jan'2000
Units : Days.

S.No.	Abbreviation	Description of variables
1	STCODE	State code
2	STNAME	State name
3	DIST	District code
4	DISTNAME	District name
5	LGP	Length of growing period in days

¹Andhra Pradesh, Bihar, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal, Chhattisgarh, Jharkhand, Uttarakhand, Assam, Himachal Pradesh and Kerala.

Soil Type - 19 States¹

Filename : DT-SOIL-TYPE-A.XLS No. of records : 310
Years : One point in time Date of last update : Jan'2000
Units : -

S.No.	Abbreviation	Description of variables
1	STCODE	State code
2	STNAME	State name
3	DIST	District code
4	DISTNAME	District name
5	SOILTYPE	Type of the soil

¹Andhra Pradesh, Bihar, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal, Chhattisgarh, Jharkhand, Uttarakhand, Assam, Himachal Pradesh and Kerala.

Annual & Monthly Normal Potential Evapotranspiration (PE) - 19 States¹

Filename : DT-PET-A.XLS No. of records : 310
Years : One point in time Date of last update : Jan'2000
Units : Millimeters.

S.No.	Abbreviation	Description of variables
1	STCODE	State code
2	STNAME	State name
3	DIST	District code
4	DISTNAME	District name
5	LAT	Latitude degrees east
6	LONG	Longitude degrees north
7	JAN	January normal PE
8	FEB	February normal PE
9	MARCH	March normal PE
10	APRIL	April normal PE
11	MAY	May normal PE
12	JUNE	June normal PE
13	JULY	July normal PE
14	AUG	August normal PE
15	SEPT	September normal PE
16	OCT	October normal PE
17	NOV	November normal PE
18	DEC	December normal PE
19	ANNUAL	Annual normal PE

¹Andhra Pradesh, Bihar, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal, Chhattisgarh, Jharkhand, Uttarakhand, Assam, Himachal Pradesh and Kerala.

Annual Moisture Availability Index (MAI) - 19 States¹

Filename : DT-MAI-A.XLS No. of records : 310
Years : One point in time Date of last update : Jan'2000
Units : Millimeters.

S.No.	Abbreviation	Description of variables
1	STCODE	State code
2	STNAME	State name
3	DIST	District code
4	DISTNAME	District name
5	LAT	Latitude degrees east
6	LONG	Longitude degrees north
7	ANNDP	Annual dependable perspiration
8	ANNRF	Annual normal rainfall
9	ANNPE	Annual normal PE
10	ANNMAI	Annual normal moisture availability index

Agroecological Subregion - 19 States¹

Filename : DT-AESR-A.XLS No. of records : 310
Years : One point in time Date of last update : Jan'2000
Units : -

S.No.	Abbreviation	Description of variables
1	STCODE	State code
2	STNAME	State name
3	DIST	District code
4	DISTNAME	District name
5	AESR	Agroecological subregions

¹Andhra Pradesh, Bihar, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal, Chhattisgarh, Jharkhand, Uttarakhand, Assam, Himachal Pradesh and Kerala.

3. Data Clarification and Anomalies

Clarifications and Anomalies of the Data

Area and Production

- For "paddy" crop production figures refer to "rice" production for all districts. For `West Bengal' and `Karnataka' production was reported for "paddy" only for some years. These were converted into "rice" by using 0.66 as the conversion factor.
- For "Cotton" production is reported in terms of "lint". In the data sources production is reported in bales of 170 kg each. These were converted into '000 tons for all districts.
- Production figure for "Sugarcane" refers to "raw sugar" (gur) production. For some states/districts sugarcane production was converted into raw sugar by taking 10% of cane production.
- "Minor pulses" include all pulses other than chickpea and pigeonpea, e.g., greengram, blackgram, horsegram, lentils, cowpea, moth, etc.,
- Area data for "Chickpea" and "Pigeonpea" are from Agricultural Situation in India, up to 1990 and area data for "Minor pulses" and "Total pulses" are from Indian Agricultural Statistics Volume II. Hence owing to different sources "Chickpea", "Pigeonpea" and "Minor pulses" areas do not add up to "Total pulses" area in some cases.
- Production data are not available for "total fruits", "vegetables", "potatoes" and "onions".
- Production data for "total cereals", "pulses" and "oilseeds" are not available for selected years.
- Production data for "total oilseeds" in Kerala state is not available. The coconut crop is the main crop in oilseeds and this crop is not included in the database.
- In some cases, "crop production" may be reported while "crop area" is listed as "0", i.e., less than 500 ha. This generally occurs for crops of minor importance in specific states/districts.
- For "sorghum" crop area and production under summer crop are included in the rabi season.

Farm harvest prices

- Both "rice" and "paddy" prices are included depending on availability of data from the source. These prices are mainly for coarse paddy/rice.
- "Cotton" prices are for "kapas" i.e., raw cotton. In some states cotton prices are reported for several cotton varieties. The price of the most dominant variety is reported. In this data set, for Punjab and Haryana, we have used an average of American and Desi cotton.
- "Sugarcane" prices are reported for "raw sugar" (gur) prices.
- "Season wise" farm harvest prices are not available in this data set.
- "Cotton prices" for `Maharashtra' state are not available from 1973 onwards due to monopoly procurement by the government.
- For `Odisha' farm harvest prices are not reported / released from 1988 onwards.
- Farm harvest prices are not reported for several districts where the crop is of minor importance or relatively less important. In such cases also the missing data are shown as "-1."

Crop-wise irrigation

- For some crops, crop wise irrigated area exceeds the actual area under the crop. This can occur when data comes from different sources. No adjustments have been made to correct for this inconsistency in our data set.
- For `Odisha' data on this variable are available from 1972 onwards only.
- For `West Bengal' data on this variable are generally not available.

Source-wise irrigation

- Data on the variable "Dug wells" is included in the variable "other wells".
- For `Odisha' source wise irrigated area values are available from 1970 onwards only. Source wise net irrigated area values are not available for the years 1977 to 81 and 1984 to 87, instead source-wise gross irrigated areas are reported. The variable on "other sources" of irrigation is included under the variable "other wells".
- From 1975 onwards data for Maharashtra combines area irrigated under canals, tanks and other sources under one heading "surface irrigation". For our purposes data for surface irrigation are listed under the "tanks" variable.

- For 'West Bengal' data on source-wise irrigation are generally not available. Canals data only available for some years.
- From 2000 onwards for Karnataka 'Lift irrigation' data are included in the 'other sources' variable'.

Area under HYV cereals

- For "finger millet" area under HYV's is available only from 1990 onwards.
- "HYV area" exceeds actual area under the crop for some districts in some states. Again this may occur when data comes from different sources. In such cases, no adjustments have been made in the data.
- For 'West Bengal' area under HYV's are not available from 1988 onwards.

Gross and Net irrigated area

- For 'West Bengal' data on net & gross irrigated area are not available from 1985 onwards.

Land use

- Area under "miscellaneous tree crops and groves" is not included in the data set.
- "Geographical area" is reported instead of "RLU" (Reporting area for land use statistics), for some states/districts for some years. Reporting area stands for the area for which data on land use classification are available i.e., the sum of area under different land use classifications generally equals RLU.
- For 'Odisha' land use data values are available from 1972 onwards only.

Fodder area

- For "Bihar, West Bengal, Assam, Himachal Pradesh and Kerala" data for fodder area is available from 1970 onwards. But for some of these states fodder irrigated area is not available from 1970 also.

Fertilizer prices

- Since the Government of India from time to time statutorily fixes "fertilizer prices" the data reported are the same for all the districts in the 13 states. No adjustment for transport costs has been made.

Livestock

- Adult "cattle" and "buffaloes" are the sum of crossbred and indigenous breeds. For crossbred cattle, an `adult' is over 2½ years and for indigenous it is over 3 years. In many states, the time of collection of data for livestock census data does not match. Hence the years reported vary from state to state for some states particularly in later years.

Agricultural Implements

- Under agricultural implements, data is collected for “four variables” from 1972 census onwards. In many states, the time of collection of data for agricultural implements census data does not match. Hence the years reported vary from state to state for some states particularly in later years.

Roads

- Data gaps were filled up by interpolation wherever required.

Rainfall

The monthly and normal rainfall for the 13 states are restricted to 1991 base i.e., districts formed after 1992 do not appear in the file. These data are made up as follows:

- IMD normals, 134 districts.
- Calculated from monthly data published by IMD 1901-50, for 66 districts.
- For the remaining 89 districts data are derived using "Surfer" (Surface Mapping System) version 5.03. This version makes use of the available data of 230 stations for generating the values. Latitudes and Longitudes are other inputs used by "Surfer". Latitudes and longitudes (wherever station names are absent) are of the central point of the district, obtained from GIS. Names of these 89 districts are shown in capital letters in the file.

To ensure a maximum accuracy, data points of all the districts (monthly and annual) have been thoroughly cross checked by comparing them with the rainfall isolines appearing in "Agro-climatic Atlas of IMD and with Agroecological Sub-regions (AESR) of NBSS & LUP". The values were found to be very satisfactory. Also the data points are in agreement with the general description of the physiographic regions of the country.

Potential Evapotranspiration (PE)

Monthly and normal PE 13 states (1991 base) is made up as follows:

- Obtained from NBSS and LUP, Nagpur, for 171 districts.
- For the remaining 114 districts monthly PE values are derived using "Surfer" (Surface mapping system) Software which makes use of the available data points and the latitude and longitude of the desired location. The latitude and longitude used for generating the data points for these districts represent the central point of the district as obtained from GIS. Names of these districts are shown in capital letters in the data file.

To make sure that the data thus generated is reliable the available information on PE are compared with the simulated values. The agreement is satisfactory.

Length of Growing Period (LGP)

- The growing period is the period when the moisture in the soils is adequate enough to support plant growth. The LGP has been calculated following the FAO model (Higgins and Kassam, 1981). The growing period, as per the model, starts when precipitation (P) exceeds 0.5 potential evapotranspiration (PE) and ends with the utilization of assumed quantum of available stored soil moisture assumed as 100 mm except for Vertisols (250 mm) after P falls below PE. The period (in days) calculated for each observation site was plotted and isolines drawn at specified intervals. Observed rainfall data for over 200 locations was taken as a base for the whole of India. Data for missing districts was estimated from the nearest districts located in a similar agro-ecological region. PE data are estimated (by the modified Penman's method); these are published by IMD. In some cases PE estimated by Hargreaves method have been included.

Moisture Availability Index (MAI)

- This has been calculated by Hargreaves method as follows. DP/PE.

DP = Dependable Perspiration = assured annual perspiration (mm) at 75% probability level.

PE = Potential Evapotranspiration.

The ranges of values are:

0 - 0.3	= Moisture deficit
0.33 - 0.66	= Moisture sufficient for dryland crops
0.66 - 1.00	= Moisture adequate for sensitive crops
1.00 - 1.33	= Moisture excess
> 1.33	= Short term water logging

4. Available Data and Missing Data

Available Data and Missing Data

The missing data are provided from 1966 to 2011.

Missing data could be for the following reasons:

- a) Data not published / not available;
- b) Data exists but are not available as they are considered confidential;
- c) The crop activity is unimportant in the state or a few districts in the state and hence data not recorded for area, production, crop wise irrigation, FHP for such crops.

Irrigation and land use data in West Bengal, farm harvest prices in Odisha, livestock census for latest years are a few examples of missing data which fall in category '2'.

Missing data can be grouped into following 3 categories:

- 1) Complete year missing for all variables in a file (i.e., variable group) for selected states. For example, crop wise irrigated area, source wise irrigated area, land use statistics data are missing for West Bengal for several years.
- 2) Missing for a few districts for all variables in a file. (Such cases are not many and restricted to a few variables in a file)
- 3) Missing for a specific crop/variable in a file for selected states. (For example, potato and onion area data are not reported for some states in the sources available with us)

Data falls in the above mentioned 3 categories, missing data are shown as "-1" in the data files.

State wise and year wise missing data for variable groups districts for all variables in a file are shown in the enclosed tables.

Available data and missing data for Andhra Pradesh from 1966 to 2011

Variables	Data available years	Data missing years
Area and Production (crops)	1966 to 2011	-
Total cereals - area & production	1966 to 2011	-
Total pulses - area & production	1966 to 2011	-
Total oilseeds - area & production	1966 to 2011	-
Total fruits – area	1966 to 2011	-
Total vegetables - area	1966 to 2011	-
Total fruits and vegetables - area	1966 to 2011	-
Potatoes - area	1966 to 2011	-
Onions - area	1966 to 2011	-
Land use	1966 to 2011	-
Crop wise irrigated area	1966 to 2011	-
Source wise irrigated area	1966 to 2011	-
NCA, GCA, NIA, GIA	1966 to 2011	-
Fodder area	1966 to 2011	-
Fodder irrigated area	1966 to 2011	-
HYV area	1966 to 1994, 1998, 2000, 2002 to 2007	1995 to 1997, 99, 01, 08 to 11
Farm harvest prices - crops	1966 to 2011	-
Fertilizer consumption	1966 to 2011	-
Rainfall - Annual, June, July + August	1966 to 2011	-
Markets (main and sub markets)	1970 to 1994, 2010	1966 to 1969, 1995 to 2009, 2011
Roads (total road length)	1966 to 2011	-
Livestock census	1966, 72, 77, 83,87, 92, 99, 2003, 07, 12	-
Agri. implements and machinery	1966, 72, 77, 82, 87, 92, 99, 2003, 2007	-
Operational holdings	1970, 76, 80, 86, 90, 95, 2000, 05, 10	-
Population census	1971, 1981, 1991, 2001, 2011	-
Agricultural wages (men & women)	1966 to 2010	2011

Available data and missing data for Bihar from 1966 to 2011

Variables	Data available years	Data missing years
Area and Production (crops)	1966 to 2009	2010, 2011
Total cereals - area & production	1966 to 2007, 2009	2008, 2010, 2011 (66 to 70, 78, 79 - prod)
Total pulses - area & production	1966 to 1993, 1995 to 2009	1994, 2010, 2011, (1973 - area) 66 to 70, 78, 79, 87 to 89 - prod
Total oilseeds - area & production	1966 to 1981, 1983 to 1993, 1996, 1997, 1999, 2004 to 2007	82, 94, 95, 98, 2000 to 03, 08 to 11 (66 to 72, 75, 78, 79, 93 - prod)
Total fruits – area	1966 to 1993, 1998 to 2011	1994 to 1997
Total vegetables - area	1966 to 1993, 1998 to 2011	1994 to 1997
Total fruits and vegetables - area	1966 to 1993, 1998 to 2011	1994 to 1997
Potatoes - area	1966 to 1994, 1997 to 2009	1995, 1996, 2010, 2011
Onions - area	1966 to 1994, 1998 to 2009	1995 to 1997, 2010, 2011
Land use	1966 to 2011	-
Crop wise irrigated area	1966 to 1996, 1998 to 2011	1997
Source wise irrigated area	1966 to 2011	-
NCA, GCA, NIA, GIA	1966 to 2011	-
Fodder area	1970 to 1985, 87, 90, 92, 98 to 2011	66 to 69, 86, 88, 89, 91, 93 to 97
Fodder irrigated area	1966 to 1992, 1998 to 2011	1993 to 1997
HYV area	1966 to 1990, 2000 to 2003, 05 to 08	1991 to 1999, 2004, 2009 to 11
Farm harvest prices - crops	1966 to 2011	-
Fertilizer consumption	1966 to 1988, 1992 to 2011	1989 to 1991
Rainfall -Annual, June, July + August	1966 to 2009	2010, 2011
Markets (main and sub markets)	1970 to 2000	1966 to 1969, 2001 to 2011
Roads (total road length)	1970 to 1994, 2000	1966 to 1969, 95 to 99, 01 to 11
Livestock census	1966, 1972, 1977, 1982, 2003, 2007, 2012	1987, 1993, 1997
Agri. implements and machinery	1966, 1972, 1977, 1982, 1992, 2003	1987, 1997, 2007
Operational holdings	1970, 1976, 1980, 1995, 2010	1966, 1985, 1990, 2000, 2005
Population census	1971, 1981, 1991, 2001, 2011	-
Agricultural wages (men & women)	1966 to 1971, 73, 74, 1978 to 2010	1972, 1975 to 1977, 2011

Available data and missing data for Gujarat from 1966 to 2011

Variables	Data available years	Data missing years
Area and Production (crops)	1966 to 2011	-
Total cereals - area & production	1966 to 2011	1968 - prod
Total pulses - area & production	1966 to 2011	1968 - prod
Total oilseeds - area & production	1966 to 2011	1966 to 1968, 1970, 1975 - prod
Total fruits – area	1966 to 2011	-
Total vegetables - area	1966 to 2011	-
Total fruits and vegetables - area	1966 to 2011	-
Potatoes - area	1966 to 2011	-
Onions - area	1966 to 2011	-
Land use	1966 to 2007	2008 to 11
Crop wise irrigated area	1966 to 2007	2008 to 11
Source wise irrigated area	1966 to 2007	2008 to 11
NCA, GCA, NIA, GIA	1966 to 2007	2008 to 11
Fodder area	1966 to 2007	2008 to 11
Fodder irrigated area	1966 to 1989, 92, 95, 96, 98 to 07	90, 91, 93, 94, 97, 08 to 11
HYV area	1966 to 1994, 1999, 2000	1995 to 1998, 2001 to 2011
Farm harvest prices - crops	1966 to 2011	-
Fertilizer consumption	1966 to 2011	-
Rainfall - Annual, June, July + August	1966 to 2009, 2011	2010
Markets (main and sub markets)	1971 to 2011	1966 to 1970
Roads (total road length)	1967 to 2011	1966
Livestock census	1966, 72, 77, 82, 88, 92, 97, 03, 07, 12	-
Agri. implements and machinery	1966, 72, 77, 82, 87, 92, 03, 2007	1997
Operational holdings	1970, 76, 80, 86, 90, 95, 2000, 05, 10	1966
Population census	1971, 1981, 1991, 2001, 2011	-
Agricultural wages (men & women)	1966 to 2010	2011

Available data and missing data for Haryana from 1966 to 2011

Variables	Data available years	Data missing years
Area and Production (crops)	1966 to 2011	-
Total cereals - area & production	1966 to 2011	66-68,70,71,73-75, 79,81-87 - prod
Total pulses - area & production	1966 to 2011	66-68,70,71,73-75, 79,81-87 - prod
Total oilseeds - area & production	1966 to 2011	66-68,70,71,73-75, 79,82-87 - prod
Total fruits – area	1966 to 2011	-
Total vegetables - area	1966 to 2011	-
Total fruits and vegetables - area	1966 to 2011	-
Potatoes - area	1966 to 2011	-
Onions - area	1966 to 2011	-
Land use	1966 to 2011	-
Crop wise irrigated area	1966 to 2011	-
Source wise irrigated area	1966 to 2011	-
NCA, GCA, NIA, GIA	1966 to 2011	-
Fodder area	1966 to 1988, 90 to 92, 1998 to 2011	1989, 1993 to 1997
Fodder irrigated area	1966 to 1988, 90 to 92, 98 to 2011	1989, 93 to 97
HYV area	1966 to 2011	-
Farm harvest prices - crops	1966 to 2004, 2006 to 2011	2005
Fertilizer consumption	1966 to 2011	-
Rainfall - Annual, June, July + August	1966 to 2011	-
Markets (main and sub markets)	1970 to 2011	1966 to 1969
Roads (total road length)	1966 to 2011	-
Livestock census	1966, 72, 77, 82, 88, 92, 97, 03, 07, 12	-
Agri. implements and machinery	1972, 1982, 1987, 1992, 97, 03, 07	1966, 1977
Operational holdings	1970, 76, 80, 86, 90, 95, 2000, 05, 10	1966
Population census	1971, 1981, 1991, 2001, 2011	-
Agricultural wages (men & women)	1966 to 2010	2011

Available data and missing data for Karnataka from 1966 to 2011

Variables	Data available years	Data missing years
Area and Production (crops)	1966 to 2011	-
Total cereals - area & production	1966 to 2011	-
Total pulses - area & production	1966 to 2011	-
Total oilseeds - area & production	1966 to 2011	-
Total fruits – area	1966 to 2011	-
Total vegetables - area	1966 to 2011	-
Total fruits and vegetables - area	1966 to 2011	-
Potatoes - area	1966 to 2011	-
Onions - area	1966 to 2011	-
Land use	1966 to 2011	-
Crop wise irrigated area	1966 to 2011	-
Source wise irrigated area	1966 to 2011	-
NCA, GCA, NIA, GIA	1966 to 2011	-
Fodder area	1966 to 2011	-
Fodder irrigated area	1970 to 2011	1966 to 1969
HYV area	1966 to 2009	2010 to 11
Farm harvest prices - crops	1966 to 2011	-
Fertilizer consumption	1966 to 2011	-
Rainfall - Annual, June, July + August	1966 to 2011	-
Markets (main and sub markets)	1966 to 2011	-
Roads (total road length)	1966, 1968 to 2011	1967
Livestock census	1966, 72, 77, 83, 87, 92, 97, 03, 07, 12	-
Agri. implements and machinery	1972, 1982, 1987, 1992, 1997, 03, 07	1977
Operational holdings	1970, 76, 80, 85, 90, 95, 2000, 05, 10	1966
Population census	1971, 1981, 1991, 2001, 2011	-
Agricultural wages (men & women)	1966 to 01, 2003 to 2010	2002, 2011

Available data and missing data for Madhya Pradesh from 1966 to 2011

Variables	Data available years	Data missing years
Area and Production (crops)	1966 to 2011	-
Total cereals - area & production	1966 to 2011	1966 to 1968 - prod
Total pulses - area & production	1966 to 2011	1966 to 1968 - prod
Total oilseeds - area & production	1966 to 2011	1966 to 1968 - prod
Total fruits – area	1966 to 2011	-
Total vegetables - area	1966 to 2011	-
Total fruits and vegetables - area	1966 to 2011	-
Potatoes - area	1966 to 2011	-
Onions - area	1966 to 2011	-
Land use	1966 to 2011	-
Crop wise irrigated area	1966 to 2011	-
Source wise irrigated area	1966 to 2011	-
NCA, GCA, NIA, GIA	1966 to 2011	-
Fodder area	1966 to 2011	-
Fodder irrigated area	1966 to 2011	-
HYV area	1966 to 1994, 1998, 1999	1995 to 1997, 2000 to 2011
Farm harvest prices - crops	1966 to 2011	-
Fertilizer consumption	1966 to 2011	-
Rainfall - Annual, June, July + August	1966 to 2009	2010, 2011
Markets (main and sub markets)	1970 to 2011	1966 to 1969
Roads (total road length)	1970 to 1995, 1998 to 2001	66 to 69, 96, 97, 02 to 11
Livestock census	1966, 72, 77, 82, 87, 92, 97, 03, 07, 12	-
Agri. implements and machinery	1972, 77, 82, 87, 92, 97, 03, 07	1966
Operational holdings	1970, 76, 80, 85, 90, 95, 2000, 05, 10	1966
Population census	1971, 1981, 1991, 2001, 2011	-
Agricultural wages (men & women)	1966 to 1996, 98 to 01, 2003 to 2010	1997, 2002, 2011

Available data and missing data for Maharashtra from 1966 to 2011

Variables	Data available years	Data missing years
Area and Production (crops)	1966 to 2011	-
Total cereals - area & production	1966 to 2011	-
Total pulses - area & production	1966 to 2011	-
Total oilseeds - area & production	1966 to 2011	-
Total fruits – area	1966 to 2005, 2009 to 2011	2006 to 2008
Total vegetables - area	1966 to 2005, 2009 to 2011	2006 to 2008
Total fruits and vegetables - area	1966 to 2005, 2009 to 2011	2006 to 2008
Potatoes - area	1966 to 2005, 2009 to 2011	2006 to 2008
Onions - area	1966 to 2011	-
Land use	1966 to 2011	-
Crop wise irrigated area	1966 to 2008	2009 to 2011
Source wise irrigated area	1966 to 2002	2003 to 2011
NCA, GCA, NIA, GIA	1966 to 2011	2003 to 2011 (NIA, GIA)
Fodder area	1966 to 2002	2003 to 2011
Fodder irrigated area	1966 to 2001	2002 to 2011
HYV area	1966 to 2008	2009 to 2011
Farm harvest prices - crops	1966 to 2011	-
Fertilizer consumption	1966 to 2011	-
Rainfall - Annual, June, July + August	1966 to 2011	-
Markets (main and sub markets)	1966 to 2000, 2004 to 2007	2001 to 2003, 08 to 11
Roads (total road length)	1967 to 2009	1966, 2010 to 2011
Livestock census	1966, 72, 78, 82, 87, 92, 97, 03, 07, 12	-
Agri. implements and machinery	1966, 72, 78, 82, 87, 92, 97, 2003	2007
Operational holdings	1970, 76, 80, 85, 90, 95, 2000, 10	1966, 2005
Population census	1971, 1981, 1991, 2001, 2011	-
Agricultural wages (men & women)	1966 to 2008, 2010	2009, 2011

Available data and missing data for Odisha from 1966 to 2011

Variables	Data available years	Data missing years
Area and Production (crops)	1966 to 2011	-
Total cereals - area & production	1966 to 2011	-
Total pulses - area & production	1966 to 2011	-
Total oilseeds - area & production	1966 to 2011	-
Total fruits – area	1970, 73 to 80, 82, 1984 to 2011	1966 to 1969, 71, 72, 81, 83
Total vegetables - area	1970 to 2011	1966 to 1969
Total fruits and vegetables - area	1970, 73 to 80, 82, 1984 to 2011	1966 to 1969, 71, 72, 81, 83
Potatoes - area	1970 to 2011	1966 to 1969
Onions - area	1970 to 2011	1966 to 1969
Land use	1972 to 2011	1966 to 1971
Crop wise irrigated area	1972 to 1980, 1984 to 2011	1966 to 1971, 1981 to 1983
Source wise irrigated area	1970 to 72, 74 to 2011	1966 to 1969, 1973
NCA, GCA, NIA, GIA	1970 to 2011	1966 to 1969
Fodder area	-	Not available
Fodder irrigated area	-	Not available
HYV area	1966 to 2011	-
Farm harvest prices - crops	1966 to 2011	-
Fertilizer consumption	1966 to 2011	-
Rainfall - Annual, June, July + August	1966 to 2011	-
Markets (main and sub markets)	1970 to 1994, 2006, 2007	1966 to 1969, 1995 to 2005, 08 to 11
Roads (total road length)	70 to 94, 96, 97, 99 to 03, 05 to 2011	66 to 69, 95, 98, 2004
Livestock census	66, 72, 77, 82, 87, 92, 2000, 03, 07, 12	-
Agri. implements and machinery	66, 72, 77, 82, 87, 92, 2003	1997, 2007
Operational holdings	1970, 76, 80, 85, 90, 95, 2000, 05, 10	1966
Population census	1971, 1981, 1991, 2001, 2011	-
Agricultural wages (men & women)	1966, 1967, 1969 to 1973, 79 to 81, 1983 to 2010	1968, 1974 to 1978, 1982, 2011

Available data and missing data for Punjab from 1966 to 2011

Variables	Data available years	Data missing years
Area and Production (crops)	1966 to 2011	-
Total cereals - area & production	1966 to 2010	2011
Total pulses - area & production	1966 to 2008	2009 to 2011
Total oilseeds - area & production	1966 to 2008	2009 to 2011
Total fruits – area	1966 to 2011	-
Total vegetables - area	1966 to 2011	-
Total fruits and vegetables - area	1966 to 2011	-
Potatoes - area	1966 to 2011	-
Onions - area	1966 to 2011	-
Land use	1966 to 2011	-
Crop wise irrigated area	1966 to 2011	-
Source wise irrigated area	1966 to 2011	-
NCA, GCA, NIA, GIA	1966 to 2011	-
Fodder area	1966 to 1988, 91, 92, 1998 to 2011	1989, 1990, 1993 to 1997
Fodder irrigated area	1966 to 1988, 90 to 92, 98 to 2011	1989, 1993 to 1997
HYV area	1967 to 2011	1966
Farm harvest prices - crops	1966 to 2011	-
Fertilizer consumption	1966 to 2011	-
Rainfall - Annual, June, July + August	1966 to 2011	-
Markets (main and sub markets)	1970 to 2011	1966 to 1969
Roads (total road length)	1970 to 2008, 2010, 2011	1966 to 1969, 2009
Livestock census	1966, 72, 77, 87, 93, 97, 03, 2007, 2012	1983
Agri. implements and machinery	1972, 1977, 1992, 2003, 2007	1966, 1983, 1987, 1997
Operational holdings	1970, 1980, 1985, 90, 95, 2000, 05, 10	1966, 1975
Population census	1971, 1981, 1991, 2001, 2011	-
Agricultural wages (men & women)	1966 to 98, 2000 to 2010	1999, 2011

Available data and missing data for Rajasthan from 1966 to 2011

Variables	Data available years	Data missing years
Area and Production (crops)	1966 to 2011	-
Total cereals - area & production	1966 to 2011	-
Total pulses - area & production	1966 to 2011	-
Total oilseeds - area & production	1966 to 2011	-
Total fruits – area	1966 to 2011	-
Total vegetables - area	1966 to 2011	-
Total fruits and vegetables - area	1966 to 2011	-
Potatoes - area	1966 to 2011	-
Onions - area	1966 to 2011	-
Land use	1966 to 2011	-
Crop wise irrigated area	1966 to 2011	-
Source wise irrigated area	1966 to 2011	-
NCA, GCA, NIA, GIA	1966 to 2011	-
Fodder area	1966 to 2011	-
Fodder irrigated area	1966 to 2011	-
HYV area	1966 to 2011	-
Farm harvest prices - crops	1966 to 2011	-
Fertilizer consumption	1966 to 2011	-
Rainfall - Annual, June, July + August	1966 to 2011	-
Markets (main and sub markets)	1970 to 1994, 2009 to 2011	1966 to 1969, 1995 to 2008
Roads (total road length)	1966 to 2011	-
Livestock census	1966, 72, 77, 83, 88, 92, 97, 03, 07, 2012	-
Agri. implements and machinery	1966, 72, 77, 82, 87, 92, 97, 03, 07	-
Operational holdings	1970. 76, 80, 85, 90, 95, 2000, 05, 10	1966
Population census	1971, 1981, 1991, 2001, 2011	-
Agricultural wages (men & women)	1966 to 2001, 03 to 2010	2002, 2011

Available data and missing data for Tamil Nadu from 1966 to 2011

Variables	Data available years	Data missing years
Area and Production (crops)	1966 to 2011	-
Total cereals - area & production	1966 to 2010	2011
Total pulses - area & production	1966 to 2010	1970 (prod), 2011
Total oilseeds - area & production	1966 to 2010	2009 & 2010 (prod), 2011
Total fruits – area	1966 to 2011	-
Total vegetables - area	1966 to 2011	-
Total fruits and vegetables - area	1966 to 2011	-
Potatoes - area	1966 to 2011	-
Onions - area	1966 to 2011	-
Land use	1966 to 2011	-
Crop wise irrigated area	1966 to 2011	-
Source wise irrigated area	1966 to 2011	-
NCA, GCA, NIA, GIA	1966 to 2011	-
Fodder area	1966 to 2011	-
Fodder irrigated area	1966 to 2011	-
HYV area	1966 to 2010	2011
Farm harvest prices - crops	1966 to 2011	-
Fertilizer consumption	1966 to 2011	-
Rainfall - Annual, June, July + August	1966 to 2011	-
Markets (main and sub markets)	1970 to 2010	1966 to 1969, 2011
Roads (total road length)	1970 to 2010	1966 to 1969, 2011
Livestock census	66, 72, 77, 82, 87, 92, 97, 03, 07, 2012	-
Agri. implements and machinery	1966, 72, 77, 82, 87, 92, 97, 03, 07	-
Operational holdings	70, 76, 79 , 85, 90, 95, 2000, 05, 10	1966
Population census	1971, 1981, 1991, 2001, 2011	-
Agricultural wages (men & women)	1966 to 2010	2011

Available data and missing data for Uttar Pradesh from 1966 to 2011

Variables	Data available years	Data missing years
Area and Production (crops)	1966 to 2011	-
Total cereals - area & production	1966 to 2011	-
Total pulses - area & production	1966 to 2011	1966 to 1978, 1980, 1988 - prod
Total oilseeds - area & production	1966 to 2011	1966 to 1978, 1980 - prod
Total fruits – area	1966 to 1970, 1972, 1974 to 2011	1971, 1973
Total vegetables - area	1966 to 1970, 1972, 1974 to 2011	1971, 1973
Total fruits and vegetables - area	1966 to 1970, 1972, 1974 to 2011	1971, 1973
Potatoes - area	1966 to 2011	-
Onions - area	1966 to 2011	-
Land use	1966 to 2011	-
Crop wise irrigated area	1966 to 2011	-
Source wise irrigated area	1966 to 1970, 1972, 1974 to 2011	1971, 1973
NCA, GCA, NIA, GIA	1966 to 2011	-
Fodder area	66 to 70, 72, 1974 to 2011	1971, 1973
Fodder irrigated area	66-70, 72, 74-86, 90, 92, 98 to 2009	71, 73, 87 to 89, 91, 93 to 97, 2010, 2011
HYV area	1966 to 1989	1990 to 2011
Farm harvest prices - crops	1966 to 2011	-
Fertilizer consumption	1966 to 2011	-
Rainfall - Annual, June, July + August	1966 to 1995, 1997 to 1999, 2002, 2004 to 2011	1996, 2000, 2001, 2003
Markets (main and sub markets)	1970 to 1994, 98, 2001 to 2011	66 to 69, 95 to 97, 99, 2000
Roads (total road length)	1970 to 1995, 99 to 01, 2003 to 2011	66 to 69, 96 to 98, 2002
Livestock census	1966, 72, 78, 82, 88, 93, 97, 03, 07, 2012	-
Agri. implements and machinery	1972, 82, 87, 93, 97, 2003, 2007	1966, 1977
Operational holdings	1976, 80, 85, 90, 95, 2000, 05, 10	1966, 1970
Population census	1971, 1981, 1991, 2001, 2011	-
Agricultural wages (men & women)	1966 to 01, 03 to 10	2002, 2011

Available data and missing data for West Bengal from 1966 to 2011

Variables	Data available years	Data missing years
Area and Production (crops)	1966 to 2011	-
Total cereals - area & production	1966 to 2011	-
Total pulses - area & production	1966 to 2011	-
Total oilseeds - area & production	1966 to 2007, 2009 to 2011	1983 to 1986 – prod, 2008
Total fruits – area	66 to 77, 83, 85, 86, 90, 98 to 2011	78 to 82, 84, 87 to 89, 91 to 97
Total vegetables - area	66 to 77, 83, 85, 86, 90, 98 to 2011	78 to 82, 84, 87 to 89, 91 to 97
Total fruits and vegetables - area	66 to 77, 83, 85, 86, 90, 98 to 2011	78 to 82, 84, 87 to 89, 91 to 97
Potatoes - area	1966 to 2011	-
Onions - area	1983, 2002, 2004 to 2009	66 to 82, 84 to 01, 03, 2010, 2011
Land use	1966 to 1988, 1994 to 2011	1989 to 1993
Crop wise irrigated area	1966 to 1969, 1983, 1985, 1988	70 to 82, 84, 86, 87, 89 to 11
Source wise irrigated area	1966 to 2007	2008 to 2011
NCA, GCA, NIA, GIA	1966 to 2009	(89, 91 to 93 NCA) (94 to 96 GCA) (1986 to 2009 NIA & GIA)
Fodder area	70 to 77, 85, 86, 90, 92, 98 to 09	66 to 69, 78-84, 87-89, 91, 93-97, 2010, 2011
Fodder irrigated area	-	Not available
HYV area	1966 to 1987	1988 to 2011
Farm harvest prices - crops	1966 to 2011	-
Fertilizer consumption	1966 to 2011	-
Rainfall - Annual, June, July + August	1966 to 2011	-
Markets (main and sub markets)	1972, 73, 75- 95, 99, 01-03, 2005- 2010	66 to 71, 74, 96 to 98, 2000, 2004, 2011
Roads (total road length)	1970 to 2008, 2011	1966 to 1969, 2009, 2010
Livestock census	1966, 72, 77, 82, 87, 92, 97, 03, 07, 2012	-
Agri. implements and machinery	1972, 82, 89, 94, 97, 2003	1966, 1977, 2007
Operational holdings	1970, 76, 90, 95, 2001, 2005, 2010	1966, 1980, 1985
Population census	1971, 1981, 1991, 2001, 2011	-
Agricultural wages (men & women)	1966 to 1974, 1981 to 2009, 2010	1975 to 1979, 1980, 2011

**Available data and missing data for Chhattisgarh from 2000 to 2011
(This state was formed in the year 2000)**

Variables	Data available years	Data missing years
Area and Production (crops)	2000 to 2010	2011
Total cereals - area & production	2000 to 2010	2011
Total pulses - area & production	2000 to 2010	2011
Total oilseeds - area & production	2000 to 2010	2004 (prod), 2011
Total fruits – area	2000 to 2010	2011
Total vegetables - area	2000 to 2010	2011
Total fruits and vegetables - area	2000 to 2010	2011
Potatoes - area	2000 to 2010	2011
Onions - area	2000 to 2010	2011
Land use	2000 to 2011	-
Crop wise irrigated area	2000 to 2011	-
Source wise irrigated area	2000 to 2011	-
NCA, GCA, NIA, GIA	2000 to 2011	-
Fodder area	2000 to 2011	-
Fodder irrigated area	2000 to 2011	-
HYV area	2005 to 2009	2000 to 2004, 2010, 2011
Farm harvest prices - crops	2000 to 2011	-
Fertilizer consumption	2000 to 2011	-
Rainfall - Annual, June, July + August	2000, 2002, 2004 to 2011	2001, 2003
Markets (main and sub markets)	-	Not available
Roads (total road length)	-	Not available
Livestock census	2003, 2007, 2012	-
Agri. implements and machinery	2003	2007
Operational holdings	2001, 2005, 2010	-
Population census	2001, 2011	-
Agricultural wages (men & women)	2005 to 2010	2000 to 2004, 2011

**Available data and missing data for Jharkhand from 2000 to 2011
(This state was formed in the year 2000)**

Variables	Data available years	Data missing years
Area and Production (crops)	2000 to 2009	2010, 2011
Total cereals - area & production	2000 to 2009	2010, 2011
Total pulses - area & production	2000 to 2009	2010, 2011
Total oilseeds - area & production	2000 to 2009	2010, 2011
Total fruits – area	2001 to 2009	2000, 2010, 2011
Total vegetables - area	2001 to 2009	2000, 2010, 2011
Total fruits and vegetables - area	2001 to 2009	2000, 2010, 2011
Potatoes – area	2001 to 2009	2000, 2010, 2011
Onions – area	2001 to 2009	2000, 2010, 2011
Land use	2001 to 2011	2000
Crop wise irrigated area	2001 to 2011	2000
Source wise irrigated area	2001 to 2011	2000
NCA, GCA, NIA, GIA	2001 to 2011	2000
Fodder area	-	Not available
Fodder irrigated area	-	Not available
HYV area	-	Not available
Farm harvest prices - crops	2005 to 2011	2000 to 2004
Fertilizer consumption	2003 to 2011	2000 to 2002
Rainfall - Annual, June, July + August	2000 to 2011	-
Markets (main and sub markets)	-	Not available
Roads (total road length)	-	Not available
Livestock census	2003, 2007, 2012	-
Agri. implements and machinery	2003	2007
Operational holdings	-	Not available
Population census	2001, 2011	-
Agricultural wages (men & women)	2006 to 2010	2000 to 2005, 2011

**Available data and missing data for Uttarakhand from 2000 to 2011
(This state was formed in the year 2000)**

Variables	Data available years	Data missing years
Area and Production (crops)	2000, 2001, 2003 to 2011	2002
Total cereals - area & production	2000 to 2009	2002 (prod), 2010, 2011
Total pulses - area & production	2000 to 2009	2002 (prod), 2010, 2011
Total oilseeds - area & production	2000, 2001, 2007 to 2009	2002 (prod), 2003 to 2006, 2010, 2011
Total fruits – area	2000 to 2011	-
Total vegetables - area	2000 to 2011	-
Total fruits and vegetables - area	2000 to 2011	-
Potatoes - area	2000 to 2011	-
Onions - area	2000 to 2011	-
Land use	2000 to 2011	-
Crop wise irrigated area	2000 to 2011	-
Source wise irrigated area	2000 to 2011	-
NCA, GCA, NIA, GIA	2000 to 2011	-
Fodder area	2000 to 2011	-
Fodder irrigated area	2000 to 2011	-
HYV area	-	Not available
Farm harvest prices - crops	2010, 2011	2000 to 2009
Fertilizer consumption	2000 to 2011	-
Rainfall - Annual, June, July + August	2005 to 2011	2000 to 2004
Markets (main and sub markets)	-	Not available
Roads (total road length)	-	Not available
Livestock census	2003, 2007, 2012	-
Agri. implements and machinery	2003	2007
Operational holdings	2000, 2005, 2010	-
Population census	2001, 2011	-
Agricultural wages (men & women)	2006 to 2010	2000 to 2005, 2011

Available data and missing data for Assam from 1966 to 2011

Variables	Data available years	Data missing years
Area and Production (crops)	1966 to 2010	2011
Total cereals - area & production	1966 to 2010	2011
Total pulses - area & production	1966 to 2010	2011
Total oilseeds - area & production	1966 to 2010	2011
Total fruits – area	1966 to 2010	2011
Total vegetables - area	1966 to 2010	2011
Total fruits and vegetables - area	1966 to 2010	2011
Potatoes - area	1966 to 2010	2011
Onions - area	1966 to 2010	2011
Land use	1966 to 1981, 1992 to 2011	1982 to 1991
Crop wise irrigated area	2006 to 2011	1966 to 2005
Source wise irrigated area	2002 to 2011	1966 to 2001
NCA, GCA	1966 to 1981, 1992 to 2011	1982 to 1991
NIA, GIA	2002 to 2011	1966 to 2001, (05 to 11 - GIA)
Fodder area	1966 to 1981, 1992 to 2010	1982 to 1991, 2011
Fodder irrigated area	2007 to 2010	1966 to 2006, 2011
HYV area	77, 85, 87, 91 to 98, 2000 to 2009	66 to 76, 78 to 84, 86, 88 to 90, 99, 2010, 2011
Farm harvest prices - crops	1966 to 2011	-
Fertilizer consumption	1968 to 1971, 1973 to 2011	1966, 1967, 1972
Rainfall - Annual, June, July + August	1966 to 2001, 2003 to 2011	2002
Markets (main and sub markets)	-	Not available
Roads (total road length)	72, 76, 79, 82, 85, 87, 89, 90, 91, 93, 95, 96, 2004, 2005, 2010	66 to 71, 73-75, 77, 78, 80, 81, 83, 84, 86, 88, 92, 94, 97 to 03, 06 to 09, 2011
Livestock census	1966, 72, 77, 82, 87, 92, 97, 03, 07, 2012	-
Agri. implements and machinery	1966, 72, 77, 82, 92, 96, 2003	1987, 2007
Operational holdings	1970, 1974, 2000, 2005, 2010	1980, 1985, 1990, 1995
Population census	1971, 1991, 2001, 2011	1981
Agricultural wages (men & women)	1968 to 1971, 73, 74, 1978 to 2010	1966, 1967, 1972, 1975 to 1977, 2011

Available data and missing data for Himachal Pradesh from 1966 to 2011

Variables	Data available years	Data missing years
Area and Production (crops)	1966 to 2008, 2010	2009, 2011
Total cereals - area & production	1966, 1967, 1970 to 2008	1968, 1969, 2009 to 2011
Total pulses - area & production	1966, 1967, 1970 to 2008	1968, 1969, 2009 to 2011
Total oilseeds - area & production	1966 to 2003, 2005, 2006	2004, 2007 to 2011
Total fruits – area	1966 to 1987, 1990 to 2008, 2010	1988, 1989, 2009, 2011
Total vegetables - area	1966 to 1987, 1990 to 2008, 2010	1988, 1989, 2009, 2011
Total fruits and vegetables - area	1966 to 1987, 1990 to 2008, 2010	1988, 1989, 2009, 2011
Potatoes - area	1966 to 2008, 2010	2009, 2011
Onions - area	1966 to 2008, 2010	2009, 2011
Land use	1966 to 2010	2011
Crop wise irrigated area	1966 to 2010	2011
Source wise irrigated area	1966 to 1993, 1995 to 2010	1994, 2011
NCA, GCA, NIA, GIA	1966 to 2010	1994 (NIA, GIA), 1995 (GIA), 2011
Fodder area	1966 to 1988, 1990 to 2008, 2010	1989, 2009, 2011
Fodder irrigated area	1966 to 1987, 1989 to 2010	1988, 2011
HYV area	79, 81, 83, 87-89, 93,96, 97, 02, 03, 06, 2008 to 2011	66 to 78, 80, 82, 84-86, 90-92, 94, 95, 98-01, 04, 05, 07
Farm harvest prices - crops	1993 to 1995, 1998 to 2011	1966 to 1992, 96, 97
Fertilizer consumption	68, 69, 70, 73-76, 78-82, 1984 to 2011	1966, 67, 71, 72, 77, 83
Rainfall -Annual, June, July + August	1966 to 2011	-
Markets (main and sub markets)	1991 to 2001	1966 to 1990, 2002 to 2011
Roads (total road length)	1976 to 1998, 2000 to 2011	1966 to 1975, 1999
Livestock census	1972, 77, 82, 87, 92, 97, 2003, 2007, 2012	1966
Agri. implements and machinery	1972, 1982, 1987, 1992, 2003	1966, 1977, 1997, 2007
Operational holdings	1970, 80, 85, 90, 95, 2000, 2005, 2010	1966, 1975
Population census	1971, 1981, 1991, 2001, 2011	-
Agricultural wages (men & women)	1966 to 1971, 73, 74, 1979 to 2010	1972, 1975 to 1978, 2011

Available data and missing data for Kerala from 1966 to 2011

Variables	Data available years	Data missing years
Area and Production (crops)	1966 to 2011	-
Total cereals - area & production	1966 to 2011	-
Total pulses - area & production	1966 to 2011	-
Total oilseeds - area & production	1974 to 2011	66 to 73 – area & prod 74 to 02, 05, 06 (prod)
Total fruits – area	1966 to 2011	-
Total vegetables - area	1966 to 2011	-
Total fruits and vegetables - area	1966 to 2011	-
Potatoes - area	1966 to 2011	-
Onions - area	1966 to 2011	-
Land use	1966 to 2011	-
Crop wise irrigated area	1976 to 2011	1966 to 1975
Source wise irrigated area	1975 to 2011	1966 to 1974
NCA, GCA, NIA, GIA	1966 to 2011	1966 to 1975 (NIA, GIA)
Fodder area	1966 to 2011	-
Fodder irrigated area	-	Not available
HYV area	1969 to 1971, 1973 to 2011	1966 to 1968, 1972
Farm harvest prices - crops	1970, 1975, 1980 to 2011	66 to 69, 71 to 74, 76 to 79
Fertilizer consumption	1968 to 1971, 1973 to 2011	1966, 1967, 1972
Rainfall -Annual, June, July + August	1966 to 2011	-
Markets (main and sub markets)	2007	1966 to 2006, 2008 to 2011
Roads (total road length)	1967, 1972, 1976 to 2010	1966, 68 to 71, 73 to 75, 2011
Livestock census	1966, 72, 77, 82, 87, 96, 03, 07, 2012	-
Agri. implements and machinery	1966. 72, 77, 82, 87, 92, 96, 2000, 03	2007
Operational holdings	1970, 76, 80, 85, 90, 95, 2000, 05, 10	70, 76, 80, 85 - (area)
Population census	1971, 1981, 1991, 2001, 2011	-
Agricultural wages (men & women)	1968 to 1981, 83 to 01, 2003 to 2010	1966, 1967, 1982, 2002, 2011

5. List of Districts

**List of states and districts included in '19 State District Level Database':
Apportioned (1966 base)¹**

State Name	District Name	India Code	District Code
Andhra Pradesh	Srikakulam	3219	44
Andhra Pradesh	Visakhapatnam	3220	45
Andhra Pradesh	East Godavari	3205	46
Andhra Pradesh	West Godavari	3223	47
Andhra Pradesh	Krishna	3210	48
Andhra Pradesh	Guntur	3206	49
Andhra Pradesh	Sri Potti Sriramulu Nellore	3215	50
Andhra Pradesh	Kurnool	3211	51
Andhra Pradesh	Anantapur	3202	52
Andhra Pradesh	Y.S.R	3204	53
Andhra Pradesh	Chittoor	3203	54
Andhra Pradesh	Hyderabad	3207	55
Andhra Pradesh	Nizamabad	3216	56
Andhra Pradesh	Medak	3213	57
Andhra Pradesh	Mahbubnagar	3212	58
Andhra Pradesh	Nalgonda	3214	59
Andhra Pradesh	Warangal	3222	60
Andhra Pradesh	Khammam	3209	61
Andhra Pradesh	Karimnagar	3208	62
Andhra Pradesh	Adilabad	3201	63
Assam	Cachar	3315	601
Assam	Darrang	3304	602
Assam	Dibrugarh	3303	603
Assam	Goalpara	3305	604
Assam	Kamrup	3306	605
Assam	Karbi Anglong	3308	606
Assam	Lakhimpur	3312	607
Assam	Dima Hasao / NC Hills	3311	608
Assam	Nagaon	3313	609
Assam	Sivasagar	3314	610

¹ In the apportioned district level database (1966 base) data of newly formed districts after 1966 are given back to their parent district and removed from the file.

State Name	District Name	India Code	District Code
Bihar	Champanan	3424	901
Bihar	Muzaffarpur	3420	902
Bihar	Darbhanga	3405	903
Bihar	Saharsa	3430	904
Bihar	Purnia	3427	905
Bihar	Saran	3434	906
Bihar	Patna	3425	907
Bihar	Munger	3419	908
Bihar	Bhagalpur	3403	909
Bihar	Shahabad	3429	911
Bihar	Gaya	3408	912
Gujarat	Ahmadabad	3501	121
Gujarat	Amreli	3502	122
Gujarat	Banas Kantha	3503	123
Gujarat	Bharuch	3504	124
Gujarat	Vadodara	3518	125
Gujarat	Bhavnagar	3506	126
Gujarat	Valsad	3519	127
Gujarat	The Dangs	3517	128
Gujarat	Jamnagar	3507	129
Gujarat	Junagadh	3508	130
Gujarat	Kheda	3510	131
Gujarat	Kachchh	3509	132
Gujarat	Mahesana	3511	133
Gujarat	Panch Mahals	3512	134
Gujarat	Rajkot	3513	135
Gujarat	Sabar Kantha	3514	136
Gujarat	Surat	3515	137
Gujarat	Surendranagar	3516	138
Haryana	Hisar	3605	177
Haryana	Gurgaon	3604	180
Haryana	Jind	3606	181
Haryana	Mahendragarh	3609	182
Haryana	Ambala	3601	183
Haryana	Karnal	3607	184
Haryana	Rohtak	3610	186

State Name	District Name	India Code	District Code
Himachal Pradesh	Bilaspur	3701	626
Himachal Pradesh	Chamba	3702	627
Himachal Pradesh	Kangra	3704	629
Himachal Pradesh	Kinnaur	3705	630
Himachal Pradesh	Kullu	3706	631
Himachal Pradesh	Lahul & Spiti	3707	632
Himachal Pradesh	Solan	3711	633
Himachal Pradesh	Mandi	3708	634
Himachal Pradesh	Shimla	3709	635
Himachal Pradesh	Sirmaur	3710	636
Karnataka	Bangalore	3901	64
Karnataka	Kolar	3913	65
Karnataka	Tumkur	3918	66
Karnataka	Mysore	3915	67
Karnataka	Mandya	3914	68
Karnataka	Hassan	3911	69
Karnataka	Shimoga	3917	70
Karnataka	Chikmagalur	3906	71
Karnataka	Chitradurga	3907	72
Karnataka	Bellary	3903	73
Karnataka	Dharwad	3909	74
Karnataka	Belgaum	3902	75
Karnataka	Bijapur	3905	76
Karnataka	Bidar	3904	77
Karnataka	Raichur	3916	78
Karnataka	Gulbarga	3910	79
Karnataka	Dakshina Kannada	3908	80
Karnataka	Uttara Kannada	3919	81
Karnataka	Kodagu	3912	82
Kerala	Alappuzha	4001	651
Kerala	Kannur	4002	652
Kerala	Ernakulam	4003	653
Kerala	Kottayam	4006	655
Kerala	Kozhikode	4007	656
Kerala	Malappuram	4008	657
Kerala	Palakkad	4009	658
Kerala	Kollam	4011	659

State Name	District Name	India Code	District Code
Kerala	Thrissur	4012	660
Kerala	Thiruvananthapuram	4013	661
Madhya Pradesh	Jabalpur	1019	7
Madhya Pradesh	Balaghat	1001	8
Madhya Pradesh	Chhindwara	1008	9
Madhya Pradesh	Narsimhapur	1024	10
Madhya Pradesh	Seoni	1037	11
Madhya Pradesh	Mandla	1021	12
Madhya Pradesh	Sagar	1033	13
Madhya Pradesh	Damoh	1009	14
Madhya Pradesh	Tikamgarh	1042	15
Madhya Pradesh	Chhatarpur	1007	16
Madhya Pradesh	Panna	1025	17
Madhya Pradesh	Rewa	1032	18
Madhya Pradesh	Sidhi	1041	19
Madhya Pradesh	Satna	1035	20
Madhya Pradesh	Shahdol	1038	21
Madhya Pradesh	Gwalior	1016	22
Madhya Pradesh	Shivpuri	1040	23
Madhya Pradesh	Guna	1015	24
Madhya Pradesh	Datia	1010	25
Madhya Pradesh	Morena	1023	26
Madhya Pradesh	Bhind	1004	27
Madhya Pradesh	Indore	1018	28
Madhya Pradesh	Ratlam	1031	29
Madhya Pradesh	Ujjain	1043	30
Madhya Pradesh	Mandsaur	1022	31
Madhya Pradesh	Dewas	1011	32
Madhya Pradesh	Dhar	1012	33
Madhya Pradesh	Jhabua	1020	34
Madhya Pradesh	Khargone (West Nimar)	1045	35
Madhya Pradesh	Khandwa (East Nimar)	1014	36
Madhya Pradesh	Sehore	1036	37
Madhya Pradesh	Raisen	1028	38
Madhya Pradesh	Vidisha	1044	39
Madhya Pradesh	Betul	1003	40
Madhya Pradesh	Rajgarh	1029	41

State Name	District Name	India Code	District Code
Madhya Pradesh	Shajapur	1039	42
Madhya Pradesh	Hoshangabad	1017	43
Maharashtra	Mumbai	1111	95
Maharashtra	Thane	1128	96
Maharashtra	Raigarh	1123	97
Maharashtra	Ratnagiri	1119	98
Maharashtra	Nashik	1118	99
Maharashtra	Dhule	1109	100
Maharashtra	Jalgaon	1112	101
Maharashtra	Ahmadnagar	1101	102
Maharashtra	Pune	1122	103
Maharashtra	Satara	1125	104
Maharashtra	Sangli	1124	105
Maharashtra	Solapur	1127	106
Maharashtra	Kolhapur	1114	107
Maharashtra	Aurangabad	1104	108
Maharashtra	Parbhani	1121	109
Maharashtra	Bid	1105	110
Maharashtra	Nanded	1117	111
Maharashtra	Osmanabad	1120	112
Maharashtra	Buldana	1107	113
Maharashtra	Akola	1102	114
Maharashtra	Amravati	1103	115
Maharashtra	Yavatmal	1130	116
Maharashtra	Wardha	1129	117
Maharashtra	Nagpur	1116	118
Maharashtra	Bhandara	1106	119
Maharashtra	Chandrapur	1108	120
Odisha	Baleshwar	1502	701
Odisha	Balangir	1501	702
Odisha	Cuttack	1503	703
Odisha	Dhenkanal	1504	704
Odisha	Ganjam	1505	705
Odisha	Kalahandi	1506	706
Odisha	Kendujhar	1507	707
Odisha	Koraput	1508	708

State Name	District Name	India Code	District Code
Odisha	Mayurbhanj	1509	709
Odisha	Kandhamal	1510	710
Odisha	Puri	1511	711
Odisha	Sambalpur	1512	712
Odisha	Sundargarh	1513	713
Punjab	Gurdaspur	1604	165
Punjab	Amritsar	1601	166
Punjab	Kapurthala	1608	167
Punjab	Jalandhar	1607	168
Punjab	Hoshiarpur	1606	169
Punjab	Rupnagar	1611	170
Punjab	Ludhiana	1609	171
Punjab	Ferozpur	1605	172
Punjab	Bathinda	1602	174
Punjab	Sangrur	1612	175
Punjab	Patiala	1610	176
Rajasthan	Ajmer	1701	139
Rajasthan	Alwar	1702	140
Rajasthan	Banswara	1703	141
Rajasthan	Barmer	1704	142
Rajasthan	Bharatpur	1705	143
Rajasthan	Bhilwara	1706	144
Rajasthan	Bikaner	1707	145
Rajasthan	Bundi	1708	146
Rajasthan	Chittaurgarh	1709	147
Rajasthan	Churu	1710	148
Rajasthan	Dungarpur	1712	149
Rajasthan	Ganganagar	1713	150
Rajasthan	Jaipur	1714	151
Rajasthan	Jaisalmer	1715	152
Rajasthan	Jalor	1716	153
Rajasthan	Jhalawar	1717	154
Rajasthan	Jhunjhunun	1718	155
Rajasthan	Jodhpur	1719	156
Rajasthan	Kota	1720	157
Rajasthan	Nagaur	1721	158

State Name	District Name	India Code	District Code
Rajasthan	Pali	1722	159
Rajasthan	Sawai Madhopur	1723	160
Rajasthan	Sikar	1724	161
Rajasthan	Sirohi	1726	162
Rajasthan	Tonk	1725	163
Rajasthan	Udaipur	1727	164
Tamil Nadu	Chengalpattu MGR	1901	83
Tamil Nadu	Cuddalore	1915	84
Tamil Nadu	Vellore	1909	85
Tamil Nadu	Salem	1914	86
Tamil Nadu	Coimbatore	1902	87
Tamil Nadu	Tiruchirappalli	1917	88
Tamil Nadu	Thanjavur	1916	89
Tamil Nadu	Madurai	1907	90
Tamil Nadu	Ramanathapuram	1913	91
Tamil Nadu	Tirunelveli	1918	92
Tamil Nadu	The Nilgiris	1908	93
Tamil Nadu	Kanniyakumari	1905	94
Uttar Pradesh	Saharanpur	2150	189
Uttar Pradesh	Muzaffarnagar	2143	190
Uttar Pradesh	Meerut	2140	191
Uttar Pradesh	Bulandshahr	2114	192
Uttar Pradesh	Aligarh	2102	194
Uttar Pradesh	Mathura	2139	195
Uttar Pradesh	Agra	2101	196
Uttar Pradesh	Mainpuri	2138	197
Uttar Pradesh	Etah	2118	198
Uttar Pradesh	Bareilly	2110	199
Uttar Pradesh	Budaun	2113	200
Uttar Pradesh	Moradabad	2142	201
Uttar Pradesh	Shahjahanpur	2151	202
Uttar Pradesh	Pilibhit	2145	203
Uttar Pradesh	Rampur	2149	204
Uttar Pradesh	Bijnor	2112	205
Uttar Pradesh	Farrukhabad	2121	206
Uttar Pradesh	Etawah	2119	207

State Name	District Name	India Code	District Code
Uttar Pradesh	Kanpur	2133	208
Uttar Pradesh	Fatehpur	2122	209
Uttar Pradesh	Allahabad	2103	210
Uttar Pradesh	Jhansi	2132	211
Uttar Pradesh	Jalaun	2130	213
Uttar Pradesh	Hamirpur	2128	214
Uttar Pradesh	Banda	2108	215
Uttar Pradesh	Varanasi	2157	216
Uttar Pradesh	Mirzapur	2141	217
Uttar Pradesh	Jaunpur	2131	218
Uttar Pradesh	Ghazipur	2125	219
Uttar Pradesh	Ballia	2107	220
Uttar Pradesh	Gorakhpur	2127	221
Uttar Pradesh	Deoria	2117	222
Uttar Pradesh	Basti	2111	223
Uttar Pradesh	Azamgarh	2105	224
Uttar Pradesh	Lucknow	2137	225
Uttar Pradesh	Unnao	2155	226
Uttar Pradesh	Rae Bareli	2148	227
Uttar Pradesh	Sitapur	2152	228
Uttar Pradesh	Hardoi	2129	229
Uttar Pradesh	Kheri	2135	230
Uttar Pradesh	Faizabad	2120	231
Uttar Pradesh	Gonda	2126	232
Uttar Pradesh	Bahraich	2106	233
Uttar Pradesh	Sultanpur	2153	234
Uttar Pradesh	Pratapgarh	2147	235
Uttar Pradesh	Bara Banki	2109	236
West Bengal	24 Parganas	2215	800
West Bengal	Nadia	2213	803
West Bengal	Murshidabad	2212	804
West Bengal	Bardhaman	2202	805
West Bengal	Birbhum	2203	806
West Bengal	Bankura	2201	807
West Bengal	Hugli	2207	810
West Bengal	Haora	2206	811
West Bengal	Jalpaiguri	2208	812

State Name	District Name	India Code	District Code
West Bengal	Darjiling	2205	813
West Bengal	Maldah	2210	814
West Bengal	Koch Bihar	2209	816
West Bengal	Puruliya	2214	817
West Bengal	Medinipur	2211	818
West Bengal	West Dinajpur	2216	822
Chhattisgarh	Durg	1013	1
Chhattisgarh	Bastar	1002	2
Chhattisgarh	Raipur	1027	3
Chhattisgarh	Bilaspur	1006	4
Chhattisgarh	Raigarh	1026	5
Chhattisgarh	Surguja	1034	6
Jharkhand	Dumka	3442	910
Jharkhand	Hazaribagh	3413	913
Jharkhand	Dhanbad	3407	914
Jharkhand	Palamu	3423	915
Jharkhand	Ranchi	3428	916
Jharkhand	Singhbhum	3436	917
Uttarakhand	Nainital	2144	237
Uttarakhand	Almora	2104	238
Uttarakhand	Pithoragarh	2146	239
Uttarakhand	Chamoli	2115	240
Uttarakhand	Uttarkashi	2156	241
Uttarakhand	Tehri Garhwal	2154	242
Uttarakhand	Garhwal	2123	243
Uttarakhand	Dehradun	2116	244

6. Adjustment of Districts Boundaries (1966 base)

Adjustment of District Boundaries (1966 base)

The geographical area belonging to a particular district is typically not constant over time, i.e. districts tend to gain and lose area over time for a variety of reasons, most of them political. During the period covered by the data set, there have been numerous adjustments in the boundaries of some of the districts. These changes have occurred, for example, upon the division of the former Punjab into Punjab, Haryana and Himachal Pradesh; in the division of certain districts into two or more smaller districts in many places; or in the transfer of parts of one district to another. Insofar as possible, the data set preserves the original district boundaries: Where districts have been broken up, values for the resultant districts in later years have been summed to yield values appropriate to a "shadow" consolidated district. This is necessary for maintaining consistency in the data over the years. In order to take account of these changes we have to choose a particular (agricultural) reference year, i.e. stick to the size of the district in that particular year and adjust the data for all the other years accordingly.

Since 1966, two hundred and forty nine new districts have been formed and the data for all the variables for these districts have been given back to their parent district and removed from the data set. The criterion used for determining the apportioning percent was based on the geographical area of the parent district transferred to the new district. All variables in the data set (except for rainfall, farm harvest prices (FHP) and wages)¹ are apportioned using this proportion.

Of the two hundred and forty nine new districts formed since 1966 about two hundred and twenty four were formed from a single parent district hence the apportioning percent was 100 "percent" and there is no room for any error. For example: Rajnandgaon district was created fully from Durg district dated 1-5-1973. Hence data for Rajnandgaon are added to Durg starting 1972/73. For twenty one districts the new districts were formed from two parent districts and for the remaining four from three parent districts. Ideally in such cases taluka wise data would be more appropriate in recreating the parent district. However in the absence of such data the parent districts were created using earlier criteria i.e., geographical area of parent district transferred to the new district. For example: Vizianagaram district was created from Srikakulam (50 percent) and Visakhapatnam (50 percent) districts dated 18-5-1979. Hence all the data values for Vizianagaram are added to Srikakulam and Visakhapatnam in fifty-fifty proportion from 1979/80 onwards. The state of Punjab was reorganized on November 1st 1966 in terms of the Punjab reorganization act. A new state Haryana was created. Haryana initially consisted of 7 districts and we stick to these 7 districts by apportioning the data of new districts formed after 1966 to their parent district. Similarly the reorganized Punjab state had 11 districts to which we stick.

For a detailed list of new districts formed after 1966 and their parent districts see enclosed table.

¹ In the case of rainfall, farm harvest prices, and wages it is not appropriate to add the data of new district to the parent district. For these variables the data of the truncated parent district have been retained.

List of districts formed after 1966 and their parent (existing) districts in 19 states of SAT India

State	Districts formed (after 1966)		Year of formation	Parent district (1966 base)	
	Name	Code		Name	Code
Andhra Pradesh	Prakasam	504	1974-75	Guntur	49
				Sri Potti Sriramulu	50
				Nellore	
				Kurnool	51
	Rangareddy	520	1978-79	Hyderabad	55
	Vizianagaram	503	1979-80	Srikakulam	44
Visakhapatnam				45	
Assam	Barapeta	615	1981	Kamrup	605
	Dhubri	616	1981	Goalpara	604
	Golaghat	617	1981	Sivasagar	610
	Jorhat	618	1981	Sivasagar	610
	Karimganj	619	1981	Cachar	601
	Kokrajhar	620	1981	Goalpara	604
	Nalbari	621	1981	Kamrup	605
	Sonitpur	622	1981	Darrang	602
	Bongaigaon	1047	1989	Goalpara	604
				Kokrajhar	620
	Dhemaji	1048	1989	Lakhimpur	607
	Hailakandi	1049	1989	Cachar	601
	Marigaon	1050	1989	Nagaon	609
	Tinsukia	1051	1989	Dibrugarh	603
	Udalguri	2017	2004	Darrang	602
Baksa	2018	2007	Barapet	615	
			Nalbari	621	
			Kamrup	605	
Cirang	2019	2004	Bongaigaon	1047	

State	Districts formed (after 1966)		Year of formation	Parent district (1966 base)	
	Name	Code		Name	Code
Assam (contd...)	Kamrup Metropolitan	2028	2003	Kamrup	605
	Kamrup (rural)	2029	2003	Kamrup	605
Bihar	Nalanda	918	1973-74	Patna	907
	Nawada	919	1973-74	Gaya	912
	Aurangabad	920	1973-74	Gaya	912
	Bhojpur	921	1973-74	Sahabad	911
	Rohtas	922	1973-74	Sahabad	911
	Gopalganj	924	1973-74	Saran	906
	Purba Champaran	925	1973-74	Champaran	901
	Pashchim Champaran	926	1973-74	Champaran	901
	Vaishali	927	1973-74	Muzaffarpur	902
	Sitamarhi	928	1973-74	Muzaffarpur	902
	Madhubani	929	1973-74	Darbhanga	903
	Samastipur	930	1973-74	Darbhanga	903
	Begusarai	931	1973-74	Mungair	908
	Sivan	923	1974-75	Saran	906
	Purbi Singhbhum	943	1977-78	Singhbhum	917
	Pashchimi Singhbhum	944	1977-78	Singhbhum	917
Katihar	932	1981-82	Purnea	905	
Madhepura	935	1982-83	Champaran	901	
Khagaria	936	1982-83	Munger	908	

State	Districts formed (after 1966)		Year of formation	Parent district (1966 base)	
	Name	Code		Name	Code
Bihar (contd...)	Dumka	939	1982-83	San.Parganas/ Dumka	910
	Godda	937	1983-84	Dumka	910
	Sahibganj	938	1983-84	Dumka	910
	Deoghar	940	1983-84	Dumka	910
	Lohardaga	941	1983-84	Ranchi	916
	Gumla	942	1983-84	Ranchi	916
	Jahanabad	934	1986-87	Gaya	912
	Araria	945	1991-92	Purnia	905
	Kishanganj	946	1991-92	Purnia	905
	Buxar	947	1992-93	Bhojpur	921
	Kaimur (Babhua)	948	1992-93	Rohtas	922
	Banka	949	1992-93	Bhagalpur	909
	Jamui	950	1992-93	Munger	908
	Supaul	951	1992-93	Saharsa	904
	Sheikhpura	958	1997	Munger	908
	Lakhisarai	956	1992-93	Munger	908
	Sheohar	960	1997	Sitamarhi	928
	Arwal	961	2001	Jehanabad	934
Jharkand	Giridih	933	1985-86	Hazaribagh	913
	Chatra	952	1992-93	Hazaribagh	913
	Bokaro	953	1992-93	Giridih Dhanbad	933 914

State	Districts formed (after 1966)		Year of formation	Parent district (1966 base)	
	Name	Code		Name	Code
Jharkand (contd..)	Garhwa	954	1992-93	Palamu	915
	Khodrama	955	1992-93	Hazaribagh	913
	Pakur	957	1997	Sahibganj	938
	Jamtara	962	2003	Dumka	910
	Latehar	963	2003	Palamu	915
	Sariakela-Kharsawan	964	2003	Pashchimi Singhbhum	944
	Simdega	965	2003	Gumla	942
	Khunti	2023	2007	Ranchi	916
	Ramgarh	2024	2007	Hazaribagh	913
Gujarat	Gandhinagar	518	1970-71	Ahmadabad Mahesana	121 133
	Anand	1001	1997	Kheda	131
	Dohad	1002	1997	Panchmahal	134
	Narmada	1003	1997	Bharuch	124
	Navsari	1004	1997	Valsad	127
	Porbandar	1006	1997	Junagadh	130
	Patan	1005	2000	Mahesana	133
	Tapi	2001	2007	Surat	137
Haryana	Bhiwani	179	1972-73	Hisar Mahendragarh	177 182
	Kurukshetra	185	1972-73	Karnal	184
	Sonepat	187	1972-73	Rohtak	186
	Sirsa	178	1975-76	Hisar	177

State	Districts formed (after 1966)		Year of formation	Parent district (1966 base)	
	Name	Code		Name	Code
	Faridabad	188	1979-80	Gurgaon	180
	Yamunanagar	523	1989-90	Ambala	183
	Kaithal	524	1989-90	Karnal	184
				Jind	181
	Panipat	525	1989-90	Karnal	184
	Rewari	526	1989-90	Mahendragarh	182
				Rohtak	186
	Fatehabad	1007	1997	Hisar	177
	Jhajjar	1008	1997	Rohtak	186
	Panchkula	1009	1997	Ambala	183
	Mewat	2002	2005	Faridabad	188
	Palwal	2003	2008	Gurgaon	180
Himachal Pradesh	Hamirpur	628	1972	Kangra	629
	Una	637	1972	Kangra	629
Karnataka	Bangalore (Rural)	549	1986-87	Bangalore	64
	Bangalore (Urban)	550	1986-87	Bangalore	64
	Bagalkot	1010	1997	Bijapur	76
	Chamarajanagar	1011	1997	Mysore	67
	Davanagere	1012	1997	Chitradurga	72
	Gadag	1013	1997	Dharwad	74
	Haveri	1014	1997	Dharwad	74
	Koppal	1015	1997	Raichur	78
	Udupi	1016	1997	Dakshina Kannada	80

State	Districts formed (after 1966)		Year of formation	Parent district (1966 base)	
	Name	Code		Name	Code
	Ramanagara	2004	2007	Bangalore Rural	549
Karnataka (contd....)	Chikkaballapura	2005	2007	Kolar	65
	Yadagir	2025	2009	Gulbarga	79
Kerala	Idukki	654	1972	Ernakulam	653
				Kottayam	655
	Waynad	664	1981	Kozhikode	656
				Cannanore	652
	Pathanamthitta	663	1983	Quilon	659
Kasargod	662	1985	Cannanore	652	
Madhya Pradesh	Bhopal	502	1972-73	Sehore	37
	Dindori	1057	1998	Mandla	12
	Harda	1058	1998	Hoshangabad	43
	Katni	1061	1998	Jabalpur	7
	Neemuch	1062	1998	Mandsaur	31
	Sheopur	1063	1998	Morena	26
	Umaria	1064	1998	Shahdol	21
	Asoknagar	1081	2003	Shahdol	21
	Anuppur	1071	2003	Shahdol	21
	Burhanpur	1082	2003	Shahdol	21
	Alirajpur	2006	2008	Jhabua	34
	Singrauli	2007	2008	Sidhi	19
Chhattisgarh	Rajnandagaon	501	1972-73	Durg	1
	Dakshin Bastar Dantewada	1055	1998	Bastar	2

State	Districts formed (after 1966)		Year of formation	Parent district (1966 base)	
	Name	Code		Name	Code
Chhattisgarh (contd..)	Dhamtari	1056	1998	Raipur	3
	Janjgir-Champa	1059	1998	Bilaspur	4
	Koriya	1065	1998	Surguja	6
	Jashpur	1066	1998	Raigarh	5
	Korba	1067	1998	Bilaspur	4
	Kabeerdham	1068	1998	Rajnandgoan Bilaspur	501 4
	Mahasamund	1069	1998	Raipur	3
	Uttar Bastar Kanker	1070	1998	Bastar	2
	Bijapur	2014	1998	Dantewada	1055
	Narayanpur	2015	1998	Bastar	2
	Balod	2034	2012	Durg	1
	Balodabazar	2035	2012	Raipur	3
	Balrampur	2036	2012	Surguja	6
	Bemetara	2037	2012	Durg	1
	Gariyaband	2038	2012	Raipur	3
	Kondagaon	2039	2012	Bastar	2
	Mungeli	2040	2012	Bilaspur	4
	Sukma	2041	2012	Dahshin Bastar Dantewada	1055
	Surajpur	2042	2012	Surguja	6
	Maharashtra	Jalna	514	1981-82	Aurangabad
Latur		515	1981-82	Osmanabad	112

State	Districts formed (after 1966)		Year of formation	Parent district (1966 base)	
	Name	Code		Name	Code
Maharashtra (contd...)	Gadchiroli	516	1981-82	Chandrapur	120
	Sindhudurg	517	1981-82	Ratnagiri	98
	Nandurbar	1074	1997	Dhule	100
	Washim	1075	1997	Akola	114
	Gondiya	1072	1998	Bhandra	119
	Hingoli	1073	1998	Parbhani	109
Odisha	Bhadrak	714	1993-94	Baleshwar	701
	Jagatsinghapur	716	1993-94	Cuttack	703
	Jajpur	717	1993-94	Cuttack	703
	Kendrapara	718	1993-94	Cuttack	703
	Angul	719	1993-94	Dhenkanal	704
	Gajapati	720	1993-94	Ganjam	705
	Naupada	721	1993-94	Kalahandi	706
	Malkangiri	722	1993-94	Koraput	708
	Nobarangpur	723	1993-94	Koraput	708
	Rayagada	724	1993-94	Koraput	708
	Khordha	725	1993-94	Puri	711
	Nayagarh	726	1993-94	Puri	711
	Boudh	728	1993-94	Phulbani	710
	Bargarh	729	1993-94	Sambalpur	712
	Deogarh	730	1993-94	Sambalpur	712
	Jharsuguda	731	1993-94	Sambalpur	712
Subarnapur	732	1993-94	Balangir	702	

State	Districts formed (after 1966)		Year of formation	Parent district (1966 base)	
	Name	Code		Name	Code
Punjab	Faridkot	173	1972-73	Firozpur	172
				Bathinda	174
	Mansa	545	1992-93	Bathinda	174
	Fatehgarh Sahib	546	1992-93	Patiala	176
				Ludhiana	171
				Sangrur	175
	Shahid Bhagat Singh Nagar	1017	1995	Jalandhar	168
				Hoshiarpur	169
	Muktsar	1018	1995	Faridkot	173
	Moga	1019	1995	Faridkot	173
	Mohali	2008	2006	Rupnagar	170
	Barnala	2010	2006	Sangrur	175
	Sahibzada Ajit Singh Nagar	2011	2006	Rupnagar	170
Patiala				176	
Pathankot	2030	2011	Gurdaspur	165	
Fazilka	2043	2011	Firozpur	172	
Rajasthan	Dholpur	519	1982-83	Bharatpur	143
	Baran	536	1991-92	Kota	157
	Dausa	537	1991-92	Jaipur	151
	Rajsamand	538	1991-92	Udaipur	164
	Hanumangarh	539	1993-94	Ganganagar	150
	Karauli	1020	1997	Sawai Madhopur	160
	Pratapgarh	2012	2008	Banswara	141
Chittaurgarh				147	
Udaipur				164	

State	Districts formed (after 1966)		Year of formation	Parent district (1966 base)	
	Name	Code		Name	Code
Tamil Nadu	Dharamapuri	506	1970-71	Salem	86
	Pudukottai	508	1972-73	Coimbatore	87
	Periyar	507	1979-80	Tiruchirapalli	88
				Thanjavur	89
	Virudhunagar	510	1984-85	Ramnathapuram	91
	Sivaganga	512	1984-85	Ramnathapuram	91
	Dindigul	509	1985-86	Madurai	90
	Thoothukkudi	513	1986-87	Tirunelveli	92
	Tiruvannamalai	521	1989-90	Vellore	85
	Nagapattinam	542	1992-93	Thanjavur	89
	Villupuram	543	1993-94	Cuddalore	84
	Kancheepuram	1021	1996	Chengalpattu	83
	Karur	1022	1996	Tiruchirapalli	88
	Namakkal	1023	1996	Salem	86
	Perambalur	1024	1996	Tiruchirapalli	88
	Theni	1025	1996	Madurai	90
	Thiruvarur	1026	1996	Thanjavur	89
				Nagapattinam	542
	Thiruvallur	1027	1996	Chengalpattu	83
	Ariyalur	1077	2001	Perambalur	1024
Krishnagiri	1080	2003	Dharmapuri	506	
Tiruppur	2020	2008	Coimbatore	87	
			Erode	507	

State	Districts formed (after 1966)		Year of formation	Parent district (1966 base)	
	Name	Code		Name	Code
Uttar Pradesh	Lalitpur	212	1974-75	Jhansi	211
	Ghaziabad	193	1976-77	Meerut	191
				Bulandshahr	192
	Kanpur (City)	547	1982-83	Kanpur	208
	Kanpur (Dehat)	548	1982-83	Kanpur	208
	Haridwar	527	1989-90	Saharanpur	189
	Ferozabad	528	1989-90	Agra	196
				Mainpuri	197
	Sonbhadra	529	1989-90	Mirzapur	217
	Mau	530	1989-90	Azamgarh	224
	Maharajganj	531	1989-90	Ghorakpur	221
	Siddharthnagar	532	1989-90	Basti	223
	Ambedkar Nagar	1028	1995	Faizabad	231
	Kushinagar	1029	1995	Deoria	222
	Mahoba	533	1995	Hamirpur	214
	Padrauna	535	1995	Deoria	222
	Auraiya	1031	1997	Etawah	207
		Baghpat	1033	1997	Meerut
	Balrampur	1034	1997	Gonda	232
	Chandauli	1036	1997	Varanasi	216
Chitrakoot	1037	1997	Banda	215	
Gautam Buddha Nagar	1038	1997	Ghaziabad	193	
Mahamaya Nagar	1039	1997	Aligarh	194	
Jyotiba Phule Nagar	1040	1997	Moradabad	201	

State	Districts formed (after 1966)		Year of formation	Parent district (1966 base)	
	Name	Code		Name	Code
Uttar Pradesh (contd...)	Kannauj	1041	1997	Farrukhabad	206
	Kaushambi	1042	1997	Allahabad	210
	Sant Ravidas Nagar	1044	1997	Varanasi	216
	Sant Kabir Nagar	1045	1997	Basti	223
	Shrawasti	1046	1997	Bahraich	233
	Khansi Ram Nagar	2013	2008	Etah	198
	C.S.M Nagar/ Amethi	2026	2010	Sultanpur Rae Bareli	234 227
	Sambhal	2031	2012	Moradabad Budaun	201 200
	Shamili	2032	2011	Muzaffarnagar	190
	Hapur	2033	2011	Ghaziabad Bulandshahr	193 192
Uttarakhand	Udham Singh Nagar	1030	1995	Nainital	237
	Bageshwar	1032	1997	Almorah	238
	Champawat	1035	1997	Pithoragarh	239
	Rudraprayag	1043	1997	Chamoli	240
West Bengal	24-Parganas (South)	801	1982-83	24-Parganas	800
	24-Parganas (North)	802	1982-83	24-Parganas	800
	Dinajpur (Uttar)	819	1995-96	West Dinajpur	822
	Dinajpur (Dakshin)	820	1995-96	West Dinajpur	822
	Midnapore (East)	823	1982-83	Midnapore	818
	Midnapore (West)	824	1982-83	Midnapore	818

7. Data Sources

Data Sources for 19 States District Level Database (1966 to 2011)

Total cereals, pulses and oilseeds area & production

State	Source
Andhra Pradesh	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Indian Agricultural Statistics Vol.II, 1966/67-1969/70. <p>Directorate of Economics and Statistics, Govt. of Andhra Pradesh.</p> <ul style="list-style-type: none"> • Season & Crop Report 1970/71-1992/93, 2001/02-2007/08. • Statistical Abstract of Andhra Pradesh, 2003 - 2011.
Bihar	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Indian Agricultural Statistics Vol.II, 1966/67-1981/82. <p>Directorate of Economics and Statistics, Govt. of Bihar.</p> <ul style="list-style-type: none"> • Agricultural Statistics at a Glance 1980/81-1986/87. • Unpublished, 1987-1993. <p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • http://apy.dacnet.nic.in/
Gujarat	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Indian Agricultural Statistics Vol.II, 1966/67-1969/70. • http://apy.dacnet.nic.in/ <p>Directorate of Agriculture, Govt. of Gujarat.</p> <ul style="list-style-type: none"> • Season & Crop Report of Gujarat 1970/71-1974/75, 1976/77-1983/84, 1985/86-1986/87, 2000/01-2003/04. • Unpublished, 1988-1993. <p>Directorate of Economics and Statistics, Govt. of Gujarat.</p> <ul style="list-style-type: none"> • Statistical Abstract of Gujarat 2007- 2011
Haryana	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Indian Agricultural Statistics Vol.II, 1966/67-1987/88. <p>Economic & Statistical Organization, Planning Department, Govt. of Haryana.</p> <ul style="list-style-type: none"> • Statistical Abstract of Haryana 1990-91 to 2011-12
Karnataka	<p>Directorate of Economics and Statistics, Govt. of Karnataka.</p> <ul style="list-style-type: none"> • Estimates of Area, Production & Yield of Principal Crops in Karnataka 1966/67-1989/90. • Fully Revised Estimates of Principal Crops in Karnataka, 1990/91-1998/99, 2005/06- 2011/12. • Karnataka at a Glance, 1997/98- 2010/11.
Madhya Pradesh	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Indian Agricultural Statistics Vol.II, 1966/67-1969/70. <p>Directorate of Economics and Statistics, Govt. of Madhya Pradesh.</p> <ul style="list-style-type: none"> • Statistical Brief 2003, 2004, 2006, 2008 <p>Directorate of Agriculture, Govt. of Madhya Pradesh.</p> <ul style="list-style-type: none"> • Agricultural Statistics 1990/91-1993/94, 2009. • District wise Area, Production & Yield 1994/95-1995/96.1999/00 to 2007/08.
Maharashtra	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Indian Agricultural Statistics Vol.II, 1966/67-1969/70. <p>Directorate of Agriculture, Govt. of Maharashtra.</p> <ul style="list-style-type: none"> • Season & Crop Report 1970/71-1999/00, 2001/02 • Area and Production (soft copies of department) 2004/05 to 2011/12

State	Source
Odisha	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol. II, 1966/67-1987/88, 1989/90. <p>Directorate of Agriculture and Food Production, Govt. of Odisha.</p> <ul style="list-style-type: none"> Agricultural Statistics of Odisha 1988/89, 1990/91, 1992/93, 1993/94, 1999/00 to 2004/05, 2006/07- 2011/12
Punjab	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol. II, 1966/67-1987/88. <p>Economic Adviser to Government, Govt. of Punjab.</p> <ul style="list-style-type: none"> Statistical Abstract of Punjab 1991-1995, 2000, 2001, 2003-2011
Rajasthan	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1966/67-1987/88, 1990/91-2002/03. <p>Directorate of Economics and Statistics, Govt. of Rajasthan.</p> <ul style="list-style-type: none"> Agricultural Statistics 1989/90-2007/08. Statistical Abstract of Rajasthan 1988, 1999-2001, 2003-2006, 2009-11.
Tamil Nadu	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1966/67-1969/70. <p>Directorate of Economics and Statistics, Govt. of Tamil Nadu.</p> <ul style="list-style-type: none"> Annual Statistical Abstract, 2007, 2008. <p>Department of Statistics, Govt. of Tamil Nadu.</p> <ul style="list-style-type: none"> Season and Crop Report of Tamil Nadu for the Agricultural year 1992/93, 1994/95, 1998/99-2004/05, 2007/08- 2010/11. Agrostat 94.
Uttar Pradesh	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Agricultural Situation in India 1966/67-1988/89. <p>Directorate of Agricultural Economics, Govt. of Uttar Pradesh.</p> <ul style="list-style-type: none"> Agricultural Statistics 1989, 1990, 1991. Statistical Abstract 2000 -2003, 2005-2011
West Bengal	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Agricultural Situation in India, 1966/67-1987/88. <p>Directorate of Agriculture, Govt. of West Bengal.</p> <ul style="list-style-type: none"> Estimates of Area & Production of Principal Crops of West Bengal 1988/89-1993/94, 1998/99 to 2004, 2009/10 to 2011/12
Himachal Pradesh	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> http://apy.dacnet.nic.in/ 1999 to 2004. Statistical Abstract of Himachal Pradesh 1995/96, 2003/04.
Kerala	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Agricultural Situation in India, 1985/86-1997/98. <p>Department of Economics and Statistics, Govt. of Thiruvananthapuram</p> <ul style="list-style-type: none"> Agricultural Statistics 1995/96-1997/98, 1998/99-2007/08.
Assam	<p>Directorate of Economics and Statistics, Govt. of Assam.</p> <ul style="list-style-type: none"> Estimates of Area, production and yield of principal crops 1975/76, 1998/99 to 2004/05 Land Utilization Statistics, 1992/93 to 2000/01
Chhattisgarh	<p>Directorate of Economics and Statistics, Govt. of Chhattisgarh.</p> <ul style="list-style-type: none"> Agricultural statistics 2001 to 2005.

Crop wise area and production

State	Source
Andhra Pradesh	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Agricultural Situation in India, 1966/67-1987/88. <p>Director of Economics and Statistics, Govt. of Andhra Pradesh.</p> <ul style="list-style-type: none"> • Season & Crop Report 1988/89-1992/93, 2001/02-2007/08. • An Outline of Agricultural Situation in A.P. 1994/95-1995/96. • Statistical Abstract of Andhra Pradesh, 2003 - 2011.
Bihar	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Agricultural Situation in India, 1966/67-1989/90. <p>Directorate of Economics and Statistics, Govt. of Bihar.</p> <ul style="list-style-type: none"> • Unpublished, 1990-1995. • http://apy.dacnet.nic.in/ 1999 to 2004.
Gujarat	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Agricultural Situation in India, 1966/67-1988/89. • http://apy.dacnet.nic.in/ 1999 to 2004. <p>Directorate of Agriculture, Govt. of Gujarat.</p> <ul style="list-style-type: none"> • Fully Revised Estimates of Area & Production & Yield of Principal Crops 1990/91-1993/94.
Haryana	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Agricultural Situation in India, 1966/67-1989/90. <p>Economic & Statistical Organization, Planning Department, Govt. of Haryana.</p> <ul style="list-style-type: none"> • Statistical Abstract of Haryana 1990/91 to 2011/12.
Karnataka	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Agricultural Situation in India, 1966/67-1987/88. <p>Directorate of Economics and Statistics, Govt. of Karnataka.</p> <ul style="list-style-type: none"> • Fully Revised Estimates of Principal Crops in Karnataka 1988/89-2011/12.
Maharashtra	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Agricultural Situation in India, 1966/67-1987/88. <p>Directorate of Agriculture, Govt. of Maharashtra.</p> <ul style="list-style-type: none"> • Season & Crop Report 1988/89-1999/00. • District wise Area, Production & Productivity of Principal Crops in Maharashtra 1992/93 - 1995/96.
Madhya Pradesh	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Agricultural Situation in India, 1966/67-1989/90. <p>Directorate of Agriculture, Govt. of Madhya Pradesh.</p> <ul style="list-style-type: none"> • Agricultural Statistics 1990/91 - 1993/94. • District wise Area, Production & Yield 1994/95 - 1995/96, 1999/00 to 2004/05.
Odisha	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Agricultural Situation in India, 1966/67-1989/90. <p>Directorate of Agriculture and Food Production, Govt. of Odisha.</p> <ul style="list-style-type: none"> • Agricultural Statistics of Odisha 1988/89, 1990/91, 1992/93, 1993/94, 1999/00-2004/05, 2006/07 to 2011/12.

State	Source
Punjab	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Agricultural Situation in India, 1966/67-1989/90. <p>Economic Adviser to Government, Govt. Of Punjab.</p> <ul style="list-style-type: none"> • Statistical Abstract of Punjab 1991-1995,2000,2001,2003 to 2011.
Rajasthan	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Agricultural Situation in India, 1966/67-1989/90. <p>Directorate of Economics and Statistics, Govt. of Rajasthan.</p> <ul style="list-style-type: none"> • Statistical Abstract of Rajasthan 1988. • Agricultural Statistics 1990/91 - 1994/95.
Tamil Nadu	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Agricultural Situation in India, 1966/67-1987/88. <p>Department of Statistics, Govt. Of Tamil Nadu.</p> <ul style="list-style-type: none"> • Season and Crop Report of Tamil Nadu for the Agricultural year 1990/91-1992/93, 1994/95, 1998/99-2011/12. • Agrostat 94.
Uttar Pradesh	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Agricultural Situation in India, 1966/67-1988/89. <p>Directorate of Agricultural Economics, Govt. of Uttar Pradesh.</p> <ul style="list-style-type: none"> • Agricultural Statistics 1989, 1990, 1991. • Statistical Abstract 2000 to 2012.
West Bengal	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Agricultural Situation in India, 1966/67-1987/88. <p>Directorate of Agriculture, Govt. of West Bengal.</p> <ul style="list-style-type: none"> • Estimates of Area & Production of Principal Crops of West Bengal 1990/91 to 1993/94, 1998/99 to 2004/05, 2009/10 to 2011/12.
Himachal Pradesh	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • http://apy.dacnet.nic.in/ 1999 to 2004. • Statistical Abstract of Himachal Pradesh 1995/96, 2003/04.
Kerala	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Agricultural Situation in India, 1985/86-1997/98. <p>Department of Economics and Statistics, Govt. of Thiruvananthapuram</p> <ul style="list-style-type: none"> • Agricultural Statistics 1998-2003.
Assam	<p>Directorate of Economics and Statistics, Govt. of Assam.</p> <ul style="list-style-type: none"> • Estimates of Area, production and yield of principal crops 1975/76, 1998/99 to 2004/05.
Chhattisgarh	<p>Directorate of Economics and Statistics, Govt. of Chhattisgarh.</p> <ul style="list-style-type: none"> • Agricultural statistics 2001 to 2005.
Uttaranchal	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • http://apy.dacnet.nic.in/

Total fruits & vegetables (area and irrigated area)

State	Source
Andhra Pradesh	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1970/71-1987/88. <p>Directorate of Economics and Statistics, Govt. of Andhra Pradesh.</p> <ul style="list-style-type: none"> Season and Crop Report 1988/89-1992/93, 2001-02, 2005-06. Statistical Abstract 2003 -2011.
Bihar	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> http://apy.dacnet.nic.in/ 1999 to 2004. Indian Agricultural Statistics Vol.II, 1970/71-1987/88. <p>Directorate of Economics and Statistics, Govt. of Bihar.</p> <ul style="list-style-type: none"> Unpublished, 1990-1993.
Gujarat	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> http://apy.dacnet.nic.in/ 1999 to 2004. Indian Agricultural Statistics Vol.II, 1970/71-1987/88. <p>Directorate of Agriculture, Govt. of Gujarat.</p> <ul style="list-style-type: none"> Unpublished, 1990/91-1993/94.
Haryana	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1970/71-1987/88. <p>Economic & Statistical Organisation, Planning Department, Govt. of Haryana.</p> <ul style="list-style-type: none"> Statistical Abstract of Haryana 1990/91 to 2011/12.
Karnataka	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1970/71-1987/88. <p>Directorate of Economics and Statistics, Govt. of Karnataka.</p> <ul style="list-style-type: none"> Brochure on Irrigation Statistics in Karnataka 1990-1993. Unpublished, 1994.
Madhya Pradesh	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1970/71-1987/88. <p>Directorate of Agriculture, Govt. of Madhya Pradesh.</p> <ul style="list-style-type: none"> Agricultural Statistics 1990/91-1994/95.
Maharashtra	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1970/71-1987/88. <p>Directorate of Agriculture, Govt. of Maharashtra.</p> <ul style="list-style-type: none"> Season & Crop Report 1990/91-1999/00.
Odisha	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1970/71-1987/88. <p>Directorate of Agriculture and Food Production, Govt. of Odisha.</p> <ul style="list-style-type: none"> Agricultural Statistics of Odisha 1990/91, 1992/93, 1993/94, 1999/00 to 2004/05, 2006/07 to 2011/12.
Punjab	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1970/71-1987/88. <p>Economic Adviser to Government, Govt. of Punjab.</p> <ul style="list-style-type: none"> Statistical Abstract of Punjab 1991-1995,2000,2001, 2003 to 2011.

State	Source
Rajasthan	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1970/71-1987/88. Directorate of Economics and Statistics, Govt. of Rajasthan. <ul style="list-style-type: none"> Agricultural Statistics 1990/91 - 1994/95.
Tamil Nadu	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1970/71-1987/88. Department of Statistics, Govt. of Tamil Nadu. <ul style="list-style-type: none"> Season and Crop Report of Tamil Nadu for the Agricultural year 1990/91 to 1992/93, 1994/95, 1998/99-2011/12.
Uttar Pradesh	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1970/71, 1972/73, 1974/75-1987/88. Directorate of Agricultural Economics, Govt. of Uttar Pradesh. <ul style="list-style-type: none"> Agricultural Statistics 1990, 1991. Statistical Abstract 2000 to 2011.
West Bengal	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> Indian Agricultural Statistics 1982/83-1987/88. Bureau of Applied Economics & Economics, Govt. of West Bengal <ul style="list-style-type: none"> Statistical Abstract 1997/98, 2002/03
Himachal Pradesh	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> http://apy.dacnet.nic.in/ . 1999 to 2004. Statistical Abstract of Himachal Pradesh 1995/96, 2003/04.
Kerala	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> Agricultural Situation in India, 1985/86-1997/98. Department of Economics and Statistics, Govt. of Thiruvananthapuram <ul style="list-style-type: none"> Agricultural Statistics 1998-2003.
Assam	Directorate of Economics and Statistics, Govt. of Assam. <ul style="list-style-type: none"> Estimates of Area, production and yield of principal crops 1975/76, 1998/99 to 2004/05 Land Utilization Statistics, 1992/93 to 2000/01
Chattisgarh	Directorate of Economics and Statistics, Govt. of Chhatisgarh. <p>Agricultural statistics 2001 to 2005.</p>
Uttaranchal	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> http://apy.dacnet.nic.in/

Potatoes and onions (area only)

State	Source
Andhra Pradesh	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Indian Agricultural Statistics Vol.II, 1970/71-1987/88. <p>Directorate of Economics and Statistics, Govt. of Andhra Pradesh.</p> <ul style="list-style-type: none"> • Season and Crop Report 1990/91-1992/93. 2001-02, 2005-06. • Statistical Abstract 2003 -2011.
Bihar	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Indian Agricultural Statistics Vol.II, 1970/71-1987/88. <p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • http://apy.dacnet.nic.in/ 1999 to 2004. <p>Directorate of Economics and Statistics, Govt. of Bihar.</p> <ul style="list-style-type: none"> • Unpublished, 1990-1995.
Gujarat	<p>Directorate of Agriculture, Govt. of Gujarat.</p> <ul style="list-style-type: none"> • Unpublished, 1990/91-1993/94. <p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • http://apy.dacnet.nic.in/ 1999 to 2004.
Haryana	<p>Economic & Statistical Organization, Planning Department, Govt. of Haryana.</p> <ul style="list-style-type: none"> • Statistical Abstract of Haryana 1990/91 to 2011/12.
Karnataka	<p>Directorate of Economics and Statistics, Govt. of Karnataka.</p> <ul style="list-style-type: none"> • Fully Revised Estimates of Principal Crops in Karnataka 1990/91- 1998/99, 2005/06 - 2011/12.
Madhya Pradesh	<p>Directorate of Agriculture, Govt. of Madhya Pradesh.</p> <ul style="list-style-type: none"> • Agricultural Statistics 1990/91, 1993.
Maharashtra	<p>Directorate of Agriculture, Govt. of Maharashtra.</p> <ul style="list-style-type: none"> • Season & Crop Report 1990/91-1999/00.
Odisha	<p>Directorate of Agriculture and Food Production, Govt. of Odisha.</p> <ul style="list-style-type: none"> • Agricultural Statistics of Odisha 1990/91, 1992/93, 1993/94, 1999/00 to 2004/05, 2006/07 to 2011/12.
Punjab	<p>Economic Adviser to Government, Govt. of Punjab.</p> <ul style="list-style-type: none"> • Statistical Abstract of Punjab 1991-1995,2000,2001,2003 – 2011.
Rajasthan	<p>Directorate of Economics and Statistics, Govt. of Rajasthan.</p> <ul style="list-style-type: none"> • Agricultural Statistics 1990/91-1994/95.
Tami Nadu	<p>Department of Statistics, Govt. of Tamil Nadu.</p> <ul style="list-style-type: none"> • Season and Crop Report of Tamil Nadu for the Agricultural year 1990/91- 1992/93, 1994/95, 1998/99-2004/05, 2007/08 – 2010/11.
Uttar Pradesh	<p>Directorate of Agricultural Economics, Govt. of Uttar Pradesh.</p> <ul style="list-style-type: none"> • Agricultural Statistics 1990, 1991. • Statistical abstract 2000 to 2003, 2005-2011.

State	Source
West Bengal	Directorate of Agriculture, Govt. of West Bengal. <ul style="list-style-type: none"> Estimates of Area & Production of Principal Crops of West Bengal 1990/91 to 1993/94. 1998/99 to 2004/05, 2009/10 to 2011/12.
Himachal Pradesh	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> http://apy.dacnet.nic.in/ 1998 to 2004. Statistical Abstract of Himachal Pradesh 1995/96, 2003/04.
Kerala	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> Agricultural Situation in India, 1985/86-1997/98. Department of Economics and Statistics, Govt. of Thiruvananthapuram <ul style="list-style-type: none"> Agricultural Statistics 1998-2007.
Assam	Directorate of Economics and Statistics, Govt. of Assam. <ul style="list-style-type: none"> Estimates of Area, production and yield of principal crops 1975/76, 1998/99 to 2004/05 Land Utilization Statistics, 1992/93 to 2000/01
Chattisgarh	Directorate of Economics and Statistics, Govt. of Chhatisgarh. <ul style="list-style-type: none"> Agricultural statistics 2001 to 2005.
Uttaranchal	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> http://apy.dacnet.nic.in/ .

Crop wise irrigated area

State	Source
Andhra Pradesh	Directorate of Economics and Statistics, Govt. of Andhra Pradesh. <ul style="list-style-type: none"> Season and Crop Report 1990/91-1992/93. 2001-02, 2005-06. Unpublished, 1993, 1994. Statistical Abstract 2003 -2011.
Bihar	Directorate of Economics and Statistics, Govt. of Bihar. <ul style="list-style-type: none"> Unpublished, 1990-1994. Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> http://lus.dacnet.nic.in/ 1998 to 2011.
Gujarat	Directorate of Agriculture, Govt. of Gujarat. <ul style="list-style-type: none"> Unpublished, 1990/91-1993/94. Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> http://lus.dacnet.nic.in/ 1998 to 2007.
Haryana	Economic & Statistical Organization, Planning Department, Govt. of Haryana. <ul style="list-style-type: none"> Statistical Abstract of Haryana 1991/92-1994/95, 1999/00-2011/12.

State	Source
Karnataka	Directorate of Economics and Statistics, Govt. of Karnataka. <ul style="list-style-type: none"> • Brochure on Irrigation Statistics in Karnataka 1990/91-1993/94. • Unpublished, 1994.
Madhya Pradesh	Directorate of Agriculture, Govt. of Madhya Pradesh. <ul style="list-style-type: none"> • Agricultural Statistics 1990/91-1994/95. • Land use, crop irrigated area, annual rainfall (1997/98 to 2003/04)
Maharashtra	Directorate of Agriculture, Govt. of Maharashtra. <ul style="list-style-type: none"> • Season & Crop Report 1990/91-1999/00. • District wise Agriculture Statistical Information of Maharashtra Part-II 1993-94 & 1994-95.
Odisha	Directorate of Agriculture and Food Production, Govt. of Odisha. <ul style="list-style-type: none"> • Agricultural Statistics of Odisha 1990/91, 1992/93, 1993/94, 1999/00 to 2004/05, 2006/07- 2011/12.
Punjab	Economic Adviser to Government, Govt. of Punjab. <ul style="list-style-type: none"> • Statistical Abstract of Punjab 1991-1995,2000,2001,2003 - 2011.
Rajasthan	Directorate of Economics and Statistics, Govt. of Rajasthan. <ul style="list-style-type: none"> • Agricultural Statistics 1990/91-2007/08.
Tamil Nadu	Department of Statistics, Govt. of Tamil Nadu. <ul style="list-style-type: none"> • Season and Crop Report of Tamil Nadu for the Agricultural year 1990/91 to 1992/93, 1994/95, 1998/99-2004/05, 2007/08 - 2010/11.
Uttar Pradesh	Directorate of Agricultural Economics, Govt. of Uttar Pradesh. <ul style="list-style-type: none"> • Agricultural Statistics 1990, 1991. • Landuse.net irrigated area for 2003/04.
Himachal Pradesh	<ul style="list-style-type: none"> • Statistical Abstract of Himachal Pradesh 2003-04.
Kerala	Department of Economics and Statistics, Govt. of Thiruvananthapuram <ul style="list-style-type: none"> • Agricultural Statistics 1990, 1992, 1996-2007.
Chattisgarh	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> • http://lus.dacnet.nic.in/.
Uttaranchal	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> • http://lus.dacnet.nic.in/.

Area under HYV's (cereal crops only)

State	Source
Andhra Pradesh	Directorate of Economics and Statistics, Govt. of Andhra Pradesh. <ul style="list-style-type: none"> Unpublished, 1990-1994.
Gujarat	Directorate of Agriculture, Govt. of Gujarat. <ul style="list-style-type: none"> Unpublished, 1990-1995.
Haryana	Economic & Statistical Organisation, Planning Department, Govt. of Haryana. <ul style="list-style-type: none"> Statistical Abstract of Haryana 1990/91-1994/95, 1999/00 - 2011/12.
Karnataka	Directorate of Economics and Statistics, Govt. of Karnataka. <ul style="list-style-type: none"> Fully Revised Estimates of Principal Crops in Karnataka 1990/91-1998/99, 2005/06 – 2009/10.
Madhya Pradesh	Directorate of Agriculture, Govt. of Madhya Pradesh. <ul style="list-style-type: none"> Agricultural Statistics 1990/91-1994/95.
Maharashtra	Directorate of Agriculture, Govt. of Maharashtra. <ul style="list-style-type: none"> District wise Agriculture Statistical Information of Agricultural Department Part II 1991/92 to 1992/93-1993/94 to 1994/95. Unpublished, 1994-1995. Area and Production (soft copy) 2000 /01 to 2007/08.
Odisha	Directorate of Agriculture and Food Production, Govt. of Odisha. <ul style="list-style-type: none"> Agricultural Statistics of Odisha 1988/89, 1990/91, 1992/93, 1993/94, 1999/00 to 2004/05, 2006/07 – 2011/12.
Punjab	Economic Adviser to Government, Govt. of Punjab. <ul style="list-style-type: none"> Statistical Abstract of Punjab 1985, 1991-1995, 2000, 2001, 2003 – 2011.
Rajasthan	Directorate of Economics and Statistics, Govt. of Rajasthan. <ul style="list-style-type: none"> Unpublished, 1983. Agricultural Statistics 1990/91-2007/08.
Tamil Nadu	Department of Statistics, Govt. of Tamil Nadu. <ul style="list-style-type: none"> Season and Crop Report of Tamil Nadu for the Agricultural year 1990/91 to 1992/93, 1994/95, 1998/99 - 2004/05, 2007/08 - 2010/11.
Assam	Department of Statistics, Govt. of Assam <ul style="list-style-type: none"> Basic Agricultural Statistics, Govt. of Assam 1997/98 to 2001/02.
Himachal Pradesh	<ul style="list-style-type: none"> Statistical Abstract of Himachal Pradesh 2003-04.
Chhattisgarh	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> http://lus.dacnet.nic.in/.
Uttaranchal	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> http://lus.dacnet.nic.in/.

Land use data

State	Source
Andhra Pradesh	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1966/67-1987/88. <p>Directorate of Economics and Statistics, Govt. of Andhra Pradesh.</p> <ul style="list-style-type: none"> Season and Crop Report 1988/89-1992/93. 2001-02, 2005-06. An Outline of Agricultural Situation in A.P. 1994/95-1995/96. Statistical Abstract 2003 -2005.
Bihar	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1966/67-1987/88. <p>Directorate of Economics and Statistics, Govt. of Bihar.</p> <ul style="list-style-type: none"> Unpublished, 1988-1994. <p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> http://lus.dacnet.nic.in/ 1998 to 2011.
Gujarat	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1966/67-1987/88. <p>Directorate of Agriculture, Govt. of Gujarat.</p> <ul style="list-style-type: none"> Unpublished, 1988-1993. <p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> http://lus.dacnet.nic.in/ 1998 to 2007.
Haryana	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1966/67-1987/88. <p>Economic & Statistical Organisation, Planning Department, Govt. of Haryana.</p> <ul style="list-style-type: none"> Statistical Abstract of Haryana 1988/89, 1990-1994, 1999/00-2011/12.
Karnataka	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1966/67-1987/88. <p>Directorate of Economics and Statistics, Govt. of Karnataka.</p> <ul style="list-style-type: none"> Brochure on Land use Statistics in Karnataka 1980/81 to 1994/95.
Madhya Pradesh	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1966/67-1987/88. <p>Directorate of Agriculture, Govt. of Madhya Pradesh.</p> <ul style="list-style-type: none"> Agricultural Statistics 1990/91-1994/95. Land use, crop irrigated area, annual rainfall (1997/98 to 2003/04).
Maharashtra	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1966/67-1987/88. <p>Commissionerate of Agriculture, Govt. of Maharashtra.</p> <ul style="list-style-type: none"> District wise Agriculture Statistical Information of Maharashtra Part-II 1993/94 and 1994/95. Unpublished, 1994, 1995. Season & Crop Report 1992/93-1999/00.
Odisha	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1966/67-1987/88, 1989/90. <p>Directorate of Agriculture and Food Production, Govt. of Odisha.</p> <ul style="list-style-type: none"> Odisha Agricultural Statistics 1988/89, 1990/91, 1992/93, 1993/94, 1999/00 to 2004/05, 2006/07 - 2011/12.

State	Source
Punjab	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> • Indian Agricultural Statistics Vol.II, 1966/67-1987/88. Economic Adviser to Government, Govt. of Punjab. <ul style="list-style-type: none"> • Statistical Abstract of Punjab 1988-1995, 2000, 2001, 2003 - 2011.
Rajasthan	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> • Indian Agricultural Statistics Vol.II, 1966/67-1987/88. Directorate of Economics and Statistics, Govt. of Rajasthan. <ul style="list-style-type: none"> • Statistical Abstract of Rajasthan 1989, 1999-2001, 2003-06, 2009-11. • Agricultural Statistics 1989/90-1994/95.
Tamil Nadu	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> • Indian Agricultural Statistics Vol.II, 1966/67-1987/88. Department of Statistics, Govt. of Tamil Nadu. <ul style="list-style-type: none"> • Season and Crop Report of Tamil Nadu for the Agricultural year 1988/89-1992/93, 1994/95, 1998/99-2004/05, 2007/08-2010/11. • Agrostat 94.
Uttar Pradesh	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> • Indian Agricultural Statistics Vol.II, 1966/67-1987/88. Directorate Agriculture Economics, Govt. of Uttar Pradesh. <ul style="list-style-type: none"> • Unpublished, 1988-1993. • Landuse net irrigated area for 2003/04.
West Bengal	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> • Indian Agricultural Statistics Vol.II, 1966/67 - 1976/77. Directorate of Economics and Statistics, Govt. of West Bengal. <ul style="list-style-type: none"> • Statistical Abstract of Rajasthan 1977/78 - 1988/89. • Statistical Abstract 1994,2001/02 to 2002/03, 2008.
Himachal Pradesh	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> • Indian Agricultural Statistics Vol.II, 1969/70 - 1987/88. Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> • http://lus.dacnet.nic.in/ 1999 to 2004.
Kerala	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> • Indian Agricultural Statistics Vol.II, 1969/70 - 1987/88. Department of Economics and Statistics, Govt. of Thiruvananthapuram <ul style="list-style-type: none"> • Agricultural Statistics 1998-2007.
Assam	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> • Indian Agricultural Statistics Vol.II, 1969/70 - 1981/82. Directorate of Economics and Statistics, Govt. of Assam <ul style="list-style-type: none"> • Land utilization statistics 1992-93 to 2000-01.
Chattisgarh	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> • http://lus.dacnet.nic.in/
Uttaranchal	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> • http://lus.dacnet.nic.in/

Source wise irrigated area

State	Source
Andhra Pradesh	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1966/67-1987/88. <p>Directorate of Economics and Statistics, Govt. of Andhra Pradesh.</p> <ul style="list-style-type: none"> Season & Crop Report 1989/90-1992/93. 2001-02, 2005-06. An Outline of Agricultural Situation in A.P 1994/95-1995/96.
Bihar	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1970/71-1987/88. <p>Directorate of Economics and Statistics, Govt. of Bihar.</p> <ul style="list-style-type: none"> Unpublished, 1990-1994. <p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> http://lus.dacnet.nic.in/ 1998 to 2011.
Gujarat	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1966/67-1987/88. <p>Directorate of Agriculture, Govt. of Gujarat.</p> <ul style="list-style-type: none"> Unpublished, 1988-1993. <p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> http://lus.dacnet.nic.in/ 1998 to 2007.
Haryana	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1970/71-1987/88. <p>Economic & Statistical Organisation, Planning Department, Govt. of Haryana.</p> <ul style="list-style-type: none"> Statistical Abstract of Haryana 1990/91 to 2011-12.
Karnataka	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1966/67-1987/88. <p>Directorate of Economics and Statistics, Govt. of Karnataka.</p> <ul style="list-style-type: none"> Brochure on Irrigation Statistics in Karnataka 1980/81 to 1993/94. Karnataka at a Glance 1995-96 to 2010/11.
Madhya Pradesh	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1966/67-1987/88. <p>Directorate of Agriculture, Govt. of Madhya Pradesh.</p> <ul style="list-style-type: none"> Agricultural Statistics 1990/91-1994/95, 2009.
Maharashtra	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1966/67-1987/88. <p>Directorate of Agriculture, Govt. of Maharashtra.</p> <ul style="list-style-type: none"> District wise General Statistical Information of Agriculture Dept. Part II 1989/90-1994/95. Unpublished, 1992-1994. Season & Crop Report 1990/91-1999/00.
Odisha	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> Indian Agricultural Statistics Vol.II, 1970/71-1987/88, 1989/90 <p>Directorate of Agriculture and Food Production, Govt. of Odisha.</p> <ul style="list-style-type: none"> Agricultural Statistics of Odisha 1990/91, 1992/93, 1993/94.

State	Source
Punjab	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> • Indian Agricultural Statistics Vol.II, 1970/71-1987/88. Economic Adviser to Government, Govt. of Punjab. <ul style="list-style-type: none"> • Statistical Abstract of Punjab 1991-1995, 2000, 2001, 2003 – 2011. •
Rajasthan	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> • Indian Agricultural Statistics Vol.II, 1966/67-1987/88. Directorate of Economics and Statistics, Govt. of Rajasthan. <ul style="list-style-type: none"> • Statistical Abstract of Rajasthan 1989-90 - 2007/08. • Agricultural Statistics 1989/90-1994/95.
Tamil Nadu	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> • Indian Agricultural Statistics Vol.II, 1966/67-1987/88. Department of Statistics, Govt. of Tamilnadu. <ul style="list-style-type: none"> • Season and Crop Report of Tamil Nadu for the Agricultural year 1990/91 to 1992/93, 1994/95, 1998/99-2004/05, 2007/08 - 2010/11.
Uttar Pradesh	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> • Indian Agricultural Statistics Vol.II, 1970/71-1987/88. Directorate of Agricultural Economics, Govt. of Uttar Pradesh. <ul style="list-style-type: none"> • Unpublished, 1988. • Agricultural Statistics 1989 - 1991. • Unpublished, 1992 - 1993. • Landuse.net irrigated area for 2003/04.
Himachal Pradesh	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> • http://dacnet.nic.in/lus/dt_lus.aspx. • Statistical Abstract of Himachal Pradesh 2003-04.
Kerala	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> • http://dacnet.nic.in/lus/dt_lus.aspx.
Chattisgarh	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> • http://dacnet.nic.in/lus/dt_lus.aspx.
Uttaranchal	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> • http://dacnet.nic.in/lus/dt_lus.aspx.

Farm harvest prices of major crops

State	Source
Andhra Pradesh	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Farm Harvest Prices of Principal Crops in India 1966/67-1989/90. <p>Directorate of Economics and Statistics, Govt. of Andhra Pradesh.</p> <ul style="list-style-type: none"> • Unpublished, 1990-1995. • http://dacnet.nic.in/lus/dt_lus.aspx 1998 to 2011.
Bihar	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Farm Harvest Prices of Principal Crops in India 1966/67-1989/90. <p>Directorate of Economics and Statistics, Govt. of Bihar.</p> <ul style="list-style-type: none"> • Unpublished, 1990-1994.
Gujarat	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Farm Harvest Prices of Principal Crops in India 1966/67-1989/90. <p>Directorate of Agriculture, Govt. of Gujarat.</p> <ul style="list-style-type: none"> • Unpublished, 1990-1994.
Haryana	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Farm Harvest Prices of Principal Crops in India 1966/67 to 1991/92. 1999/00-2004/05.
Karnataka	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Farm Harvest Prices of Principal Crops in India 1966/67-1989/90. <p>Directorate of Economics and Statistics, Govt. of Karnataka.</p> <ul style="list-style-type: none"> • Unpublished, 1990-1993.
Madhya Pradesh	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Farm Harvest Prices of Principal Crops in India 1966/67-1989/90. <p>Directorate of Agriculture, Govt. of Madhya Pradesh.</p> <ul style="list-style-type: none"> • Agricultural Statistics 1990/91-1994/95.
Maharashtra	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Farm Harvest Prices of Principal Crops in India 1966/67-1989/90. <p>Directorate of Agriculture, Govt. of Maharashtra.</p> <ul style="list-style-type: none"> • Unpublished, 1990-1994.
Punjab	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Farm Harvest Prices of Principal Crops in India 1966/67 to 1991/92.
Rajasthan	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Farm Harvest Prices of Principal Crops in India 1966/67-1989/90. <p>Directorate of Economics and Statistics, Govt. of Rajasthan.</p> <ul style="list-style-type: none"> • Agricultural Statistics 1989/90 - 1994/95.
Tamil Nadu	<p>Directorate of Economics and Statistics, Govt. of India.</p> <ul style="list-style-type: none"> • Farm Harvest Prices of Principal Crops in India 1966/67-1989/90. <p>Department of Statistics, Govt. of Tamil Nadu.</p> <ul style="list-style-type: none"> • Season and Crop Report of Tamil Nadu for the Agricultural year 1990/91 - 1992/93, 1998/99 to 2004/05.

State	Source
Uttar Pradesh	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> Farm Harvest Prices of Principal Crops in India 1966/67 to 1991/92.
West Bengal	Directorate of Economics and Statistics, Govt. of West Bengal. <ul style="list-style-type: none"> Statistical Abstract 1970/71-1993/94, 2001/02 to 2002/03.
Himachal Pradesh	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> http://dacnet.nic.in/lus/dt_lus.aspx 1998 to 2011.
Kerala	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> http://dacnet.nic.in/lus/dt_lus.aspx 1998 to 2011.
Assam	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> http://dacnet.nic.in/lus/dt_lus.aspx 1998 to 2011.
Chattisgarh	Directorate of Economics and Statistics, Govt. of India. <ul style="list-style-type: none"> http://dacnet.nic.in/lus/dt_lus.aspx 1998 to 2011.

Annual & monthly rainfall

State	Source
Andhra Pradesh	Directorate of Economics & Statistics, Govt. of Andhra Pradesh. <ul style="list-style-type: none"> Season & Crop Report 1970/71-1992/93, 2001/02, 2005/06. An Outline of Agricultural Situation in A.P. 1993/94 -1994/95.
Bihar	Directorate of Agriculture, Govt. of Bihar. <ul style="list-style-type: none"> Agricultural Statistics at a Glance 1980/81 – 1986/87. Directorate of Economics and Statistics, Govt. of Bihar <ul style="list-style-type: none"> Unpublished, 1989-1994.
Bihar	Directorate of Agriculture, Govt. of Gujarat. <ul style="list-style-type: none"> District wise Rainfall 1970-1989. Taluka Development Office, Govt. of Gujarat <ul style="list-style-type: none"> Unpublished, 1990-1995.
Haryana	Economic & Statistical Organization, Planning Department, Govt. of Haryana. <ul style="list-style-type: none"> Statistical Abstract of Haryana 1990-1994. 1999/00-2004/05.
Karnataka	Directorate of Economics & Statistics, Govt. of Karnataka. <ul style="list-style-type: none"> Report on Rainfall in Karnataka State for the Years 1970-1995.
Madhya Pradesh	Directorate of Agriculture, Govt. of Madhya Pradesh. <ul style="list-style-type: none"> Agricultural Statistics 1970-1993. Land use, crop irrigated area, annual rainfall (1997/98 to 2003/04).

State	Source
Maharashtra	Commisionarate of Agriculture, Govt. of Maharashtra. <ul style="list-style-type: none"> • Season & Crop Report 1970/71-1977, 1990/91-1999/00. • District wise General Statistical Information of Maharashtra part-II 1990 - 1993. • Unpublished, 1994-1996. •
Odisha	Directorate of Economics & Statistics, Govt. of Odisha. <ul style="list-style-type: none"> • Unpublished, 1970-1977. • Climatological Data of Odisha 1978-1986. • Unpublished, 1987-1995.
Punjab	Economic Adviser to Government, Govt. of Punjab. <ul style="list-style-type: none"> • Statistical Abstract of Punjab 1985, 1991-1995, 2000,2003, 2005.
Rajasthan	Directorate of Economics & Statistics, Govt. of Rajasthan. <ul style="list-style-type: none"> • Unpublished, 1980-1995.
Tamil Nadu	Department of Statistics, Govt. of Tamil Nadu. <ul style="list-style-type: none"> • Season and Crop Report 1969/70-1992/93, 1994/95, 1998/99-2004/05.
West Bengal	Directorate of Economics and Statistics, Govt. of West Bengal. <ul style="list-style-type: none"> • Statistical Abstract 1970-1994.
Himachal Pradesh	Directorate of Economics and Statistics, Govt. of Himachal Pradesh <ul style="list-style-type: none"> • Statistical Abstract 1990-1994.
Kerala	Directorate of Economics and Statistics, Govt. of Kerala <ul style="list-style-type: none"> • Statistical Abstract 1990-1994.
Assam	Directorate of Economics and Statistics, Govt. of Assam <ul style="list-style-type: none"> • Statistical Abstract 1990-1994.

Fertilizer consumption

State	Source
19 States	The Fertilizer Association of India. <ul style="list-style-type: none"> • Fertilizer Statistics 1990 to 1995, 1998 to 2011

Field Labor Wages

State	Source
19 States	Economics & Statistics, Govt. of India. <ul style="list-style-type: none"> • Agricultural wages in India 1966 to 2010

Population census data

State	Source
19 States	Registrar General and Census Commissioner of India. <ul style="list-style-type: none">• Census of India 1971, 1981, 1991.

Markets data

State	Source
17 States	Directorate of Marketing and Inspection, Govt of India, New Delhi.
Bihar	Agricultural Marketing Board, Patna, Bihar.

Roads data

State	Source
18 States	State Statistical Abstracts.

Livestock and agricultural implements census data

State	Source
Andhra Pradesh	Directorate of Animal Husbandry and Veterinary Services, Govt. of Andhra Pradesh. <ul style="list-style-type: none">• Unpublished, 1993.• 19th Quinquennial livestock census. www.dahd.nic.in
Bihar	Directorate of Agriculture, Govt. of Bihar. <ul style="list-style-type: none">• 13th Quinquennial Census of Livestock & Agricultural Implements of Bihar State 1982.• 19th Quinquennial livestock census. www.dahd.nic.in
Gujarat	Directorate of Agriculture, Govt. of Gujarat. <ul style="list-style-type: none">• Unpublished, 1992.• 19th Quinquennial livestock census. www.dahd.nic.in
Haryana	Economic & Statistical Organisation, Planning Department, Govt. of Haryana. <ul style="list-style-type: none">• Statistical Abstract of Haryana 1994/95.• 19th Quinquennial livestock census. www.dahd.nic.in

State	Source
Karnataka	Directorate of Animal Husbandry and Veterinary Services, Govt. of Karnataka. <ul style="list-style-type: none"> • Quinquennial Livestock Census 1990. • 19th Quinquennial livestock census. www.dahd.nic.in
Madhya Pradesh	Directorate of Agriculture, Govt. of Madhya Pradesh. <ul style="list-style-type: none"> • Basic Agricultural Statistics, 1986/87 to 1990/91. • 19th Quinquennial livestock census. www.dahd.nic.in
Maharashtra	Directorate of Animal Husbandry and Veterinary Services, Govt. of Maharashtra. <ul style="list-style-type: none"> • Quinquennial Livestock Census 1992. • 19th Quinquennial livestock census. www.dahd.nic.in
Odisha	Directorate of Economics and Statistics, Govt. of Odisha. <ul style="list-style-type: none"> • Statistical Abstract of Odisha 1985. • 19th Quinquennial livestock census. www.dahd.nic.in
Punjab	Economic Adviser to Government, Govt. of Punjab. <ul style="list-style-type: none"> • Statistical Abstract of Punjab 1994. • 19th Quinquennial livestock census. www.dahd.nic.in
Rajasthan	Directorate of Economics and Statistics, Govt. of Rajasthan. <ul style="list-style-type: none"> • Statistical Abstract of Rajasthan 1994. • 17th Quinquennial livestock census. www.dahd.nic.in
Tamil Nadu	Department of Animal Husbandry and Veterinary Services, Govt. of Tamil Nadu. <ul style="list-style-type: none"> • Livestock Census 1993. • 19th Quinquennial livestock census. www.dahd.nic.in
Uttar Pradesh	Board of Revenue, Govt. of Uttar Pradesh. <ul style="list-style-type: none"> • Livestock Census 1993. • 19th Quinquennial livestock census. www.dahd.nic.in
West Bengal	Directorate of Animal Resources, Govt. of West Bengal. <ul style="list-style-type: none"> • Livestock Census Report 1989. • 19th Quinquennial livestock census. www.dahd.nic.in
Himachal Pradesh	<ul style="list-style-type: none"> • 19th Quinquennial livestock census. www.dahd.nic.in
Kerala	<ul style="list-style-type: none"> • 19th Quinquennial livestock census. www.dahd.nic.in
Assam	<ul style="list-style-type: none"> • 19th Quinquennial livestock census. www.dahd.nic.in
Chhatisgarh	<ul style="list-style-type: none"> • 19th Quinquennial livestock census. www.dahd.nic.in
Jharkand	<ul style="list-style-type: none"> • 19th Quinquennial livestock census. www.dahd.nic.in
Uttarakhand	<ul style="list-style-type: none"> • 19th Quinquennial livestock census. www.dahd.nic.in

Normal rainfall data

State	Source
19 states	IMD, 1965. Monthly and annual rainfall and number of rainy days (1901-50) in V parts, India Meteorological Department, New Delhi. IMD, 1967. Climatological tables of observations in India (1931-60), India Meteorological Department, Pune (India).

Potential evapotranspiration data (PE)

State	Source
16 states	Meteorological office (1971) Poona, Potential Evapotranspiration (PE) over India. National Bureau of Soil Sciences and Land Utilisation Pattern, ICAR, Nagpur, Data Diskettes (undated).

Agroecological subregion data (AESR)

State	Source
16 states	National Bureau of Soil Sciences and Land Utilisation Pattern, ICAR, Nagpur.

Length of growing period data (LGP)

State	Source
16 states	ICRISAT unpublished data, calculated using FAO model (Higgins and Kassam, 1981).

Soils data

State	Source
16 states	National Bureau of Soil Sciences and Land Utilisation Pattern, ICAR, Nagpur.