

Agricultural Output Using Space, Agrometeorology and Land based observations and Coordinated Horticulture Assessment and Management using Geo-informatics. Further, satellite data is also being used for drought assessment, to assess the potential area for growing pulses and horticultural crops.

(c) and (d) With a view to ensure better transparency, accountability, timely payment of claims to the farmers and to make the scheme more farmer friendly, the Government of India has comprehensively revised the Operational Guidelines of the Pradhan Mantri Fasal Bima Yojana (PMFBY) which have become effective from Rabi 2018-19 season. Provision of 12% interest rate per annum to be paid by the Insurance Company to farmers for delay in settlement claims beyond 10 days of prescribed cut-off date for payment of claims. As the settlement of claims for Rabi 2018-19 season is underway, the admissible penal interest is not yet worked out.

Cost effective technology for small and marginal farmers

3849. DR. AMEE YAJNIK:

SHRI RAJMANI PATEL:

SHRI HARNATH SINGH YADAV:

SHRI VIJAY PAL SINGH TOMAR:

Will the Minister of AGRICULTURE AND FARMERS WELFARE be pleased to state:

(a) the number and percentage of small and marginal farmers in the country, State-wise;

(b) whether cost effective technologies suitable for small land holdings have been developed by the agricultural research institutions in the country;

(c) if so, the details thereof;

(d) the details of steps taken by Government to promote and assist small and marginal farmers to adopt such technologies; and

(e) the measures being taken by Government to make small land holdings more viable?

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE (SHRI NARENDRA SINGH TOMAR): (a) As per the results (provisional) of latest Agriculture Census 2015-16, State-wise number and percentage of marginal and small operational holdings (defined as all land which is wholly or partly used for agriculture production and is operated as one technical unit by one person alone or with others without regard to the title, legal form, size or location) in the country is given in Statement (*See below*).

(b) and (c) Indian Institute of Farming Systems Research (IIFSR) under Indian Council of Agricultural Research (ICAR) implements All India Coordinated Research Project (AICRP) on Integrated Farming Systems (IFS) for development and refinement of farm technologies for use of small and marginal farmers in the country. Details of major farm technologies evaluated in farming system mode and refined are detailed below:

- Developed 45 tailor made prototype Integrated Farming System Models suitable to 23 States/UTs.
- Refined 63 farming systems in 19 States.

(d) and (e) Integrated Farming Systems (IFS) models developed for the States have been included in the package of practices of respective state Governments. These are popularized among farmers, including small and marginal farmers, through farmer participatory refinement and demonstration of integrated farming systems.

The Government has taken several measures to make small holdings more viable. These include adoption of modern technologies and practices like multiple cropping, intercropping and integrated farming systems. The Indian Council of Agricultural Research (ICAR) is conducting research programme to develop location specific varieties and technologies for enhancing the production and productivity of farm holdings. Support is also provided to farmers (including small and marginal farmers) through initiatives and programmes of the Government like interest subvention scheme, Mission for Integrated Development of Horticulture (MIDH), National Food Security Mission, Neem coated Urea, Pradhan Mantri Krishi Sinchay Yojana (PMKSY), Pradhan Mantri Fasal Bima Yojana (PMFBY), National Mission for Sustainable Agriculture (NMSA) etc.

Statement

*State-wise Number and Percentage of Marginal and Small Operational Holdings
as per Agriculture Census 2015-16 (provisional results)*

Sl. No.	States/UTs	Marginal (below 1.0 ha.)		Small (1.0 ha. <2.0 ha.)	
		Number (‘000)	Percentage	Number (‘000)	Percentage
1	2	3	4	5	6
1.	Andaman and Nicobar Islands	5	43.12	3	21.19
2.	Andhra Pradesh	5904	69.26	1646	19.31
3.	Arunachal Pradesh	27	23.98	24	21.24
4.	Assam	1868	68.13	495	18.07
5.	Bihar	14971	91.21	944	5.75
6.	Chandigarh	Neg.	64.64	Neg.	18.54
7.	Chhattisgarh	2402	60.66	868	21.92
8.	Dadra and Nagar Haveli	9	56.47	4	25.40
9.	Daman and Diu	8	92.68	Neg.	5.21
10.	Delhi	11	55.12	5	26.08
11.	Goa	45	79.89	6	10.84
12.	Gujarat	2018	37.93	1616	30.37
13.	Haryana	803	49.29	314	19.29
14.	Himachal Pradesh	712	71.43	173	17.41
15.	Jammu and Kashmir	1187	83.79	160	11.29
16.	Jharkhand*	1877	68.70	427	15.63
17.	Karnataka	4764	54.90	2213	25.51
18.	Kerala	7333	96.70	181	2.39
19.	Lakshadweep	10	95.63	Neg.	2.70
20.	Madhya Pradesh	4835	48.33	2725	27.24
21.	Maharashtra*	7558	51.39	4313	29.33

1	2	3	4	5	6
22.	Manipur	77	50.97	49	32.39
23.	Meghalaya	123	52.82	60	25.93
24.	Mizoram	45	50.08	27	30.61
25.	Nagaland	8	4.03	29	14.74
26.	Odisha	3637	74.74	887	18.23
27.	Puducherry	28	83.81	3	10.00
28.	Punjab	154	14.13	207	18.98
29.	Rajasthan	3071	40.12	1677	21.91
30.	Sikkim	44	65.82	13	18.91
31.	Tamil Nadu	6224	78.41	1119	14.10
32.	Telangana	3840	64.56	1409	23.69
33.	Tripura	504	87.95	48	8.37
34.	Uttar Pradesh	19100	80.18	3008	12.63
35.	Uttarakhand	659	74.78	149	16.89
36.	West Bengal	5998	82.81	971	13.41
ALL INDIA		99858	68.52	25777	17.69

Note: (1) * - Figures for Jharkhand and Maharashtra have been estimated. (2) Percentage is based on absolute figures. (3) Neg.= Negligible (i.e., less than 500 units). (4) Total may not tally due to rounding off.

Group insurance scheme for farmers

†3850. SHRI RAMKUMAR VERMA: Will the Minister of AGRICULTURE AND FARMERS WELFARE be pleased to state:

(a) whether it is a fact that the Central Government is considering to launch a group insurance scheme with one-time premium payment facility to cover different risks faced by farmers and their families; and

(b) if so, the details thereof?

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE (SHRI

†Original notice of the question was received in Hindi.