

Technology for crop damage assessment

27. SHRI PRABHAKAR REDDY VEMIREDDY: Will the Minister of AGRICULTURE AND FARMERS WELFARE be pleased to state:

- (a) whether it is a fact that a pilot study is being conducted in Andhra Pradesh to test modern technology for crop damage assessment;
- (b) if so, the details of pilot study and results that the Ministry has found to assess crop damage; and
- (c) the manner in which the above pilot study would help farmers and also in better assessment under PMFBY?

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE (SHRI NARENDRA SINGH TOMAR): (a) to (c) Yes Sir. The Department of Agriculture, Cooperation and Farmers Welfare, through Mahalanobis National Crop Forecast Centre (MNCFC) has involved 8 agencies/organisations to carry out pilot studies for Optimisation of Crop Cutting Experiments (CCEs) in various States including Andhra Pradesh under Pradhan Mantri Fasal Bima Yojana (PMFBY).

During Kharif 2018, the Pilot Study was conducted for paddy crop in West Godavari district and during Rabi 2018-19, the study is being conducted in East Godavari and Krishna districts. The studies used various technologies, including Satellite data, Artificial Intelligence, Modeling tools etc. for reducing the number of CCEs required for insurance unit level for yield estimation. The studies have showed the possibility of reducing the number of CCEs up to 25-70% (depending upon crops and location), through the use of technology.

Carrying out large number of CCEs for calculation of yield data *vis-a-vis* claims at Gram Panchayat level is a major issue under PMFBY. A High Power Committee has been constituted to evaluate results obtained in these studies and provide recommendations for their implementation in the upcoming seasons.

Non-receipt of benefit under PM-Kisan Yojana

28. DR. K. V. P. RAMACHANDRARAO: Will the Minister of AGRICULTURE AND FARMERS WELFARE be pleased to state:

- (a) whether it is a fact that several farmers have not received the benefit of cash transfer under PM-Kisan Yojana in certain States, if so, the details thereof;

(b) the number of beneficiaries identified and the number of farmers benefited under the Yojana, State-wise and amount disbursed thereof; and

(c) whether the scheme is being extended to include all the farmers, if so, the number of additional farmers being benefited due to Government's recent decision?

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE (SHRINARENDRA SINGH TOMAR): (a) and (b) The Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) is a continuous and ongoing scheme, in which the financial benefit is transferred to the bank accounts of the identified beneficiaries as and when their correct and verified data is uploaded by the concerned States/UTs on PM-Kisan web-portal. Based on the response of the State/UT Governments in this regard, till date, 1st installment to 3,29,52,568 beneficiaries and 2nd installment to 2,85,73,889 beneficiaries have been credited directly to the bank accounts of the farmers' families. A Statement showing State/UT-wise number of beneficiaries who have received the financial benefits under the Scheme is enclosed at Statement (*See below*).

(c) Yes, Sir. The ambit of the Scheme has been expanded to cover all farmers in the country irrespective of the size of their land holdings, subject to all other existing exclusions. It is expected that an additional 2 crore farmers will be covered.

Statement

State/UT-wise details of beneficiaries having received financial benefits under PM-Kisan Yojana

States	First installment Payment (No. of beneficiaries)	First installment Payment (Amount) (In Rupees)	Second installment Payment (No. of beneficiaries)	Second installment Payment (Amount) (In Rupees)
1	2	3	4	5
Andaman and Nicobar Islands	10,004	20,008,000		0
Andhra Pradesh	3,443,116	6,886,232,000	3,126,852	6,253,704,000
Arunachal Pradesh	0	0		0
Assam	1,119,983	2,239,966,000	762,427	1,524,854,000

1	2	3	4	5
Bihar	231,873	463,746,000	219,136	438,272,000
Chandigarh	13	26,000	0	
Chhattisgarh	111,898	223,796,000	87,632	175,264,000
Dadra and Nagar Haveli	5,322	10,644,000	0	
Daman and Diu	2,119	4,238,000	0	
Delhi	0	0	0	
Goa	2,385	4,770,000	0	
Gujarat	2,832,333	5,664,666,000	2,821,569	5,643,138,000
Haryana	942,052	1,884,104,000	935,929	1,871,858,000
Himachal Pradesh	474,763	949,526,000	438,256	876,512,000
Jammu and Kashmir	497,204	994,408,000	459,593	919,186,000
Jharkhand	470,307	940,614,000	0	
Karnataka	307,935	615,870,000	231,847	463,694,000
Kerala	935,786	1,871,572,000	931,661	1,863,322,000
Lakshadweep	0	0	0	
Madhya Pradesh	9,304	18,608,000	0	
Maharashtra	2,129,137	4,258,274,000	1,324,089	2,648,178,000
Manipur	7,276	14,552,000	0	
Meghalaya	0	0	0	
Mizoram	24,410	48,820,000	11,931	23,862,000
Nagaland	30,831	61,662,000	30,459	60,918,000
Odisha	962,115	1,924,230,000	799,293	1,598,586,000
Puducherry	4,200	8,400,000	0	
Punjab	1,275,440	2,550,880,000	1,144,648	2,289,296,000
Rajasthan	1,375,566	2,751,132,000	0	
Sikkim	0	0		
Tamil Nadu	2,148,504	4,297,008,000	2,063,192	4,126,384,000

1	2	3	4	5
Telangana	1,881,602	3,763,204,000	1,858,210	3,716,420,000
Tripura	151,095	302,190,000	151,064	302,128,000
Uttar Pradesh	11,169,349	22,338,698,000	10,848,667	21,697,334,000
Uttarakhand	396,646	793,292,000	327,434	654,868,000
West Bengal	0	0	0	0
TOTAL	32,952,568	65,905,136,000	28,573,889	57,147,778,000

Increase in drought hit areas in the country

29. DR. AMEE YAJNIK:

SHRI HUSAIN DALWAI:

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

(a) whether number of drought hit areas are increasing, if so, data since 2014, State-wise, year-wise;

(b) whether Government has allocated budget for existing and proposed pressurised and non-pressurised irrigation systems like canals, reservoirs, drip etc., if so, details thereof, State-wise, year-wise, since 2014 and if not, reasons therefor;

(c) whether Ministry is promoting drip irrigation instead of large irrigation projects, if so, how, if not, reasons therefor; and

(d) whether timely relief has been provided to farmers in drought hit areas, if so, compensation requested by States and relief provided by Centre since 2014, State-wise, year-wise?

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE (SHRI NARENDRA SINGH TOMAR): (a) No, Sir. However, the number of drought affected districts State/UT wise since 2014-15 is at Statement-I (*See below*).

(b) The Command Area Development and Water Management (CADWM) programme under the Ministry of Jal Shakti has been taken up with a view to enhance utilization of irrigation potential created and improve agriculture production on a sustainable basis through Participatory Irrigation Management. The programme is being implemented under Pradhan Mantri Krishi Sinchai Yojna (PMKSY) from 2015-16 onwards. CAD