

**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;