

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURE AND FARMERS WELFARE

RAJYA SABHA
UNSTARRED QUESTION NO. 2257
TO BE ANSWERED ON THE 08/08/2025

COMPLAINTS ON PROCESS OF CROP YIELD ESTIMATION

2257. SHRI SUBHASH BARALA:
SHRI RAMESWAR TELI:

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

- (a) whether any complaints have been received from farmers and other stakeholders regarding the process of crop yield estimation;
- (b) if so, the details thereof;
- (c) whether these shortcomings can be overcome through technology; and
- (d) if so, the details of technological initiatives taken by Government to address these shortcomings?

ANSWER

THE MINISTER OF STATE FOR AGRICULTURE AND FARMERS WELFARE

(SHRI RAMNATH THAKUR)

(a) to (d): As per provisions of the Pradhan Mantri Fasal Bima Yojana (PMFBY), in case of area approach based/widespread calamity/season end claims, State Government has to furnish/upload the actual and threshold yield data based on the requisite Crop Cutting Experiments (CCEs) on National Crop Insurance Portal. Further, CCEs are conducted manually by the State Governments and are subjective in nature and lack of transparency. As the claims are worked out on the basis of actual yield data and threshold yield data collected through CCEs by the State Government concerned, some complaints/grievances were received in the past to rationalise the methodology of yield estimation under the scheme.

Accordingly, (PMFBY) envisages use of improved technology including satellite imagery and remote sensing for various applications such as crop area estimation and yield disputes and also promote the use of remote sensing and other related technology for Crop Cutting Experiments (CCEs) planning, yield estimation, loss assessment, assessment of prevented sowing and clustering of districts. This enables more transparency, accountability and accuracy in loss assessment and timely payment of claims. Accordingly, Government has taken various steps to strengthen implementation of the scheme like leveraging technology in implementation of the scheme, capturing of yield data/Crop Cutting Experiments (CCEs) data through CCE-Agri App for directly uploading it on the NCIP, allowing insurance companies to witness the conduct of CCEs, integration of State land records with National Crop Insurance Portal (NCIP) etc.

Further, YES-TECH (Yield Estimation System Based on Technology) has been introduced from Kharif 2023 season for gradual migration to Remote-Sensing based yield estimation to facilitate fair, accurate and transparent Crop Yield Estimation. This initiative has been launched for paddy & wheat crops from Kharif 2023 wherein 30% weightage to yield estimation is assigned to YES-TECH derived yield. Soybean crop has been added from Kharif 2024 season.
