

CROPIC Initiative

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CROPIC Initiative Latest News

The Ministry of Agriculture and Farmers Welfare plans to launch CROPIC, a study to gather crop information using field photographs and AI-based models.

About CROPIC Initiative

- CROPIC stands for **Collection of Real Time Observations & Photo of Crops**.
- It is an initiative under the **Pradhan Mantri Fasal Bima Yojana (PMFBY)** with a dual purpose of **monitoring crop health** and stress and automation of crop loss assessment and payment of claims to affected farmers using computer vision technology and photo-analytic models.
- Under this initiative, **crops** will be **photographed four-five times during their cycle**, and the pictures will be analysed to assess their health and potential mid-season losses.
- The study will be carried out for **two seasons initially**, kharif 2025 and rabi 2025-26.
- The study envisages collection of field photographs during the crop season **using CROPIC mobile application** which has been developed by the Union Ministry of Agriculture and Farmers' Welfare.....

Working of CROPIC

- The **photographs** from the field will be **crowd-sourced directly from farmers**. Then, they will be analysed for information including **crop type, crop stage, crop damage and its extent**.
- This model will use an **AI-based cloud platform** for photo analysis and information extraction, and a web-based dashboard for visualisation.
- Also, when compensation or insurance is to be paid to farmers, officials will collect the photographs using the CROPIC Mobile App.
- It will be rolled out initially in at **least 50 districts per season**. These districts will be well distributed in different agro-climatic zones covering the three major notified crops (notified crops are those covered under insurance schemes like PMFBY) in each district for each season, initially.
- **Funding:** The Fund for Innovation and Technology (FIAT) under PMFBY will be used for funding CROPIC.

Source: IE

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