

AGRICULTURE · C4S COURSES

CROPIC (Collection of Real-Time Observations and Photos of Crops) scheme

12 June 2025

Context

The Ministry of Agriculture and Farmers Welfare has launched the to integrate **artificial intelligence** in crop monitoring and crop insurance under the **Pradhan Mantri Fasal Bima Yojana (PMFBY)**.

Key Objectives:

- Use AI to **identify crop types, growth stages**, and detect **crop stress or damage**.
- Support faster, data-backed decisions for **insurance claims** and **agricultural planning**.
- Build a **real-time, geo-tagged crop image repository** across India.

How CROPIC Works

- **Photo Collection:** Farmers take and upload 4–5 photos of their crops per season using the **CROPIC mobile app**.
- **AI-Powered Analysis:** A cloud-based platform analyzes images to classify crop condition, type, and health.
- **Official Dashboard:** Visual insights and crop health status are made available to government officials via dashboards.
- **Insurance Integration:** Enables automated and transparent claim verification under **PMFBY**, reducing manual assessment delays.

Rollout Plan

- **Pilot Phase:** Implemented in **50 districts** starting **Kharif 2025**, covering **three notified crops per district**.
- **Technology Support:** Images linked with coordinates; analysis supported by AI to minimize human bias.
- **Funding:** Backed by the **Fasal Bima Yojana's Innovation and Technology Fund (FIAT)** with a corpus of ₹825 crore.
- **Full Launch:** Pan-India rollout planned post **Rabi 2025–26** for all major PMFBY crops.

Benefits

- Speeds up **claim settlement** under crop insurance.
- Enhances **transparency** and **data credibility**.
- Helps government build a **centralized agri-image database** for future use in research and policy.
- Empowers farmers by giving real-time visibility into crop performance and insurance.

"Your only competition is yesterday's version of you."

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"The exam rewards the one who came back to the page."

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