

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

**LOK SABHA**  
**UNSTARRED QUESTION NO. 1343**  
TO BE ANSWERED ON THE 3<sup>rd</sup> DECEMBER, 2024

**Technical Intervention to Increase Agricultural Productivity**

1343. Shri Anil Firojiya:

Will the Minister of AGRICULTURE AND FARMERS WELFARE कृषि एवं किसान कल्याण मंत्री be pleased to state:

- (a) the names of the schemes and technical interventions being implemented by the Government to increase agricultural productivity in Ujjain district;
- (b) the manner in which the Government is expanding the reach of special agricultural insurance schemes and irrigation facilities for the farmers of Ujjain;
- (c) the names of the self-employment and schemes implemented by the Government to increase agriculture-based income sources in Ujjain district; and
- (d) the initiatives taken by the Government to increase awareness amongst farmers in Ujjain region about the subsidy and financial assistance schemes available in agriculture sector?

**ANSWER**

MINISTER OF AGRICULTURE AND FARMERS WELFARE

कृषि और किसान कल्याण राज्य मंत्री (**SHRI BHAGIRATH CHOUDHARY**)

(a) to (d): Agriculture being a State subject, the efforts of the State Government are being supplemented through various Schemes of Government of India, which include a comprehensive range of central sector as well as centrally sponsored schemes and programmes. These schemes encompass entire spectrum of agriculture including credit, insurance, income support, infrastructure, crops including horticulture, seeds, mechanization, marketing, organic and natural farming, irrigation, extension, procurement of crops from farmers at minimum support prices, digital agriculture etc. All the Schemes have one or more technical interventions. While some are scheme specific, digital interventions are also included to facilitate real time implementation and monitoring. A list of major Schemes being implemented by the department is given at

**Annexure-I.** All these Schemes are being implemented in all the States and UTs across the country through State Governments including in **Madhya Pradesh** with the objective of enhancing productivity, reducing cost of cultivation and ensuring remunerative returns to farmers.

The Department through its flagship Schemes “Pradhan Mantri Fasal Bima Yojna (PMFBY)”, is providing comprehensive risk insurance to farmers against unforeseen natural calamities. Details of the steps taken to improve the scheme and make it more transparent and farmers friendly through technological innovations have been initiated in the Scheme, details of which are enclosed at **Annexure-II.**

In order to encourage employment generation, assistance/ loans are being provided to farmer community, entrepreneurs and startups through the Scheme of Kisan Credit Card (KCC), Agri Accelerator Fund, Agri Infrastructure Fund(AIF) Scheme at cheaper/concessional subsidized rate.

**List of major schemes being implemented by the Department of Agriculture and Farmers Welfare**

**Central Sector Schemes**

1. Pradhan Mantri Kisan Samman Nidhi (PM-KISAN)
2. Pradhan Mantri Kisan Maan Dhan Yojana (PM-KMY)
3. Pradhan Mantri Annadata Aay Sanrakshan Abhiyan (PM-AASHA)
4. Pradhan Mantri Fasal Bima Yojana (PMFBY)/Restructured Weather Based Crop Insurance Scheme (RWBCIS)
5. Modified Interest Subvention Scheme (MISS)
6. National Bee Keeping and Honey Mission (NBHM)
7. Agriculture Infrastructure Fund (AIF)
8. Formation and Promotion of 10,000 Farmer Producer Organizations (FPOs)

**Krishonnati Yojana**

1. Integrated Scheme for Agriculture Marketing -National Agriculture Market (ISAM-eNAM)
2. Integrated Scheme for Agricultural Marketing-Others (ISAM-Others)
3. National Food Security and Nutrition Mission (NFSNM)
4. National Food Security and Nutrition Mission-Oilseeds (NFSNM-OS)
5. National Mission on Edible Oil-Oil palm (NMEO-OP)
6. Mission for Integrated Development of Horticulture (MIDH)
7. Mission Organic Value Chain Development for North Eastern Region (MOVCDNER)
8. Sub-Mission on Agricultural Extension (SMAE)
9. Digital Agriculture

**Rashtriya Krishi Vikas Yojana (RKVY)**

1. Rashtriya Krishi Vikas Yojana- DPR (RKVY-DPR)
2. Paramparagat Krishi Vikas Yojana (PKVY)
3. Per Drop More Crop (PDMC)
4. Soil Health and Fertility
5. Rainfed Area Development (RAD)
6. Agroforestry
7. Sub-Mission on Agricultural Mechanization (SMAM)
8. Crop Residue Management (CRM)
9. Crop Diversification Programme (CDP)

## **Steps taken under Pradhan Mantri Fasal Bima Yojana**

Various steps have been taken under Pradhan Mantri Fasal Bima Yojana (PMFBY) to make the scheme more transparent and farmer friendly which offers a safety net against comprehensive risk cover to farmers against all non-preventable natural risk from pre-sowing to post harvest ensuring financial stability for farmers. This scheme safeguards farmers' livelihoods and encourage them to adopt modern farming practices and technologies.

Based on the recommendations of the various Committees, various technological interventions like YES-TECH, WINDS, CROPIC etc. The details of technological interventions in the Scheme are as under :

- i. **YES-Tech (Yield Estimation based on Technology)-** is a technology based yield estimation mechanism for Crop Loss assessment and Yield estimation assisted by data inputs from such as Remote Sensing indices, Weather indices, crop phenological information, soil types etc. using approved Technologies/Approaches
- ii. **WINDS (Weather Information Network & Data System)-** is a network of Automatic Weather Stations & Rain Gauges at Taluk/Block and Gram Panchayat level to create a strong database of hyper-local weather data for the different Govt. and other entities to use for all farmer and farming oriented services.
- iii. **Digi-Claim-Payment Module** –The module aims at integrating NCIP with PFMS end to end. Now Govt. will have visibility of quantum of eligible claims, claims paid by the Insurance Company and actual claims transferred to beneficiary farmers, which till now was missing and Govt. always had dependence for these reports and data on Insurance Company.
- iv. **AIDE (App for Intermediary Enrolment):** A smart-phone App has been designed and rolled out in Kharif 2023 for enrolment of farmers at their door-steps through a large network of Insurance Intermediaries. It offers a completely paper-less and cash-less experience to a farmer
- v. **Krishi Rakshak Portal & Helpline:** A pan-India single number integrated grievance redressal mechanism having digital portal and a call centre has been developed to enable farmers to lodge their grievances/concerns/queries.
- vi. **Revision in Operational Guidelines of Pradhan Mantri Fasal Bima Yojana\_:** - Based on the real-time experience during implementation of the scheme and incorporating the suggestions of all its stakeholders the OGs of this scheme have been revised in 2018 and 2022.