

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

RAJYA SABHA

UNSTARRED QUESTION NO. 680

TO BE ANSWERED ON THE 25/07/2025

STEPS TO PROMOTE CROP DIVERSIFICATION

680. SMT. KIRAN CHOUDHRY:

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

- (a) whether Government has assessed the impact of excessive water use for paddy cultivation in Haryana, on groundwater depletion and soil degradation;
- (b) the steps taken to promote crop diversification towards pulses, oilseeds, and horticulture in water-scarce regions of the State under schemes such as the Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) and Mission for Integrated Development of Horticulture (MIDH); and
- (c) whether Haryana farmers have received technical and financial support for adopting micro-irrigation, organic farming and climate-resilient technologies, and the measurable outcomes achieved so far?

ANSWER

THE MINISTER OF STATE FOR AGRICULTURE AND FARMERS WELFARE
(SHRI RAMNATH THAKUR)

(a): Dynamic Ground Water Resources of the country including regions of Haryana practicing water-intensive cropping pattern such as paddy are being annually assessed jointly by Central Ground Water Board (CGWB) and State Governments. As per the latest (2024) assessment, the Annual Extractable Ground Water Resource for Haryana is 9.36 BCM (Billion Cubic Metre). The Annual Ground Water Extraction for all uses is 12.72 BCM, out of which, about 11.47 BCM (90%) has been utilised for irrigation activities including Paddy cultivation. The Stage of Ground Water Extraction, which is a measure of Annual Ground Water Extraction for all uses over Annual Extractable Ground Water Resource is 135.96% for Haryana as a whole.

(b) & (c): The Crop Diversification Programme (CDP) under Pradhan Mantri Rastriya Krishi Vikas Yojana is being implemented by the Department of Agriculture and Farmers Welfare in original green revolution States viz. Punjab, Haryana and in Western Uttar Pradesh since 2013-14 to divert the area of water intensive paddy crop to alternative crops like oilseeds, pulses, coarse cereal, nutri cereals, cotton etc. From 2013-14 to 2024-25, alternative crop demonstrations in 1.93 lakh ha have been taken up under CDP in State of Haryana.

Mission for Integrated Development of Horticulture (MIDH) scheme is being implemented in all districts of Haryana. The scheme covers holistic development of horticulture sector including fruits, vegetables, spices, plantation crops and flowers. From 2014-15 to 2024-25, Central Assistance of Rs. 662.16 crore has been released to State of Haryana and an area of 1.3 lakh ha has been brought under various MIDH interventions including 2,000 ha under organic horticulture farming.

Under Paramparagat Krishi Vikas Yojana (PKVY), organic farming is promoted in a cluster-based approach. The scheme supports organic conversion, input production, and certification. So far, Central Assistance of Rs. 1.04 crore has been released to State of Haryana for 25 clusters.

Per Drop More Crop (PDMC) Scheme is being implemented across the country including Haryana. The scheme focuses on enhancing water use efficiency at farm level through use of Micro Irrigation technologies, namely, Drip and Sprinkler Irrigation systems. During 2015-16 to 2021-22, PDMC was implemented as a component of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY). From the year 2022-23, the scheme is implemented under the Pradhan Mantri Rashtriya Krishi Vikas Yojana (PM-RKVY). So far, Central Assistance of Rs. 479.89 crore has been released to State of Haryana and an area of about 1.97 lakh hectare has been covered under Micro Irrigation in the State of Haryana.

ICAR is implementing a flagship network project 'National Innovations in Climate Resilient Agriculture' (NICRA) to enhance the resilience of Indian Agriculture to climate variability through application of improved technologies. The project is implemented in 5 districts of Haryana.
