

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

LOK SABHA
UNSTARRED QUESTION NO. 364

TO BE ANSWERED ON 4TH FEBRUARY, 2025

CLIMATE-RESILIENT AGRICULTURE PRACTICES

364. SHRI E T MOHAMMED BASHEER:

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

- (a) the details of new initiatives that the Government has undertaken to support climate-resilient agriculture practices; and
(b) the manner in which the Government is aiding farmers affected by extreme weather conditions, such as unseasonal rains and droughts?

ANSWER

THE MINISTER OF STATE FOR AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण राज्य मंत्री (SHRI RAMNATH THAKUR)

(a) & (b): The Government is taking several steps to promote climate resilient agriculture practices in the country. The National Mission for Sustainable Agriculture (NMSA) being implemented by Ministry of Agriculture and Farmers Welfare is one of the Missions within the National Action Plan on Climate Change (NAPCC). The Mission aims to implement strategies to make Indian agriculture more resilient to the changing climate. Several schemes have also been initiated under National Mission on Sustainable Agriculture (NMSA) to deal with the adverse climate situations in the agriculture sector. Per Drop More Crop (PDMC) scheme increases water use efficiency at the farm level through micro irrigation technologies i.e. drip and sprinkler irrigation systems. Rainfed Area Development (RAD) scheme is implemented as a component of NMSA and focuses on Integrated Farming System (IFS) for enhancing productivity and minimizing risks associated with climatic variability. The Soil Health & Fertility scheme assists states in promoting Integrated Nutrient Management through judicious use of chemical fertilizers including secondary and micronutrients in conjunction with organic manures & bio-fertilizers for improving soil health and its productivity. Mission for Integrated Development of Horticulture, Agroforestry & National Bamboo Mission also promote climate resilience in agriculture. Further, Pradhan Mantri Fasal Bima Yojana along with weather index based Restructured Weather Based Crop Insurance Scheme provide a comprehensive insurance cover against failure of the crop by providing financial support to farmers suffering crop loss/damage arising out of unforeseen natural calamities and adverse weather incidence.

Indian Council of Agricultural Research (ICAR) is implementing a flagship network project namely National Innovations in Climate Resilient Agriculture (NICRA) to promote climate resilient agricultural, to educate and train farmers on climate-smart techniques and technologies. Large scale demonstrations of climate resilient varieties are undertaken in farmers' fields through KVKs under NICRA. Capacity building programs are conducted to educate farmers on various aspects of climate resilient practices. Farmers are also provided with weather advisories as ICAR in collaboration with India Meteorological Department issues Agromet advisories to farmers through Gramin Krishi Mausam Seva program.