

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

LOK SABHA

UNSTARRED QUESTION NO. 2620

TO BE ANSWERED ON THE 16TH DECEMBER, 2025

CROP LOSSES DUE TO CLIMATE EXTREMES

2620. SHRI DEEPENDER SINGH HOODA:

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

- (a) the total crop loss during the last ten years including the current year, along with the valuation of such losses, year, State and Union Territory-wise;
- (b) the total compensation provided to farmers for such crop losses during the last ten years including the current year, year-wise, State-wise and Union Territory-wise;
- (c) the steps taken by the Government to prevent crop failures arising out of climate change and irrigation deficits; and
- (d) whether the Government has prepared a roadmap with a definite timeline to effectively control and minimise such losses in the future?

ANSWER

THE MINISTER OF STATE FOR AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान राज्य कल्याण मंत्री (SHRI RAMNATH THAKUR)

(a) & (b): Information on crop loss is not maintained centrally. As per the National Policy on Disaster Management (NPDM), the primary responsibility for disaster management, including disbursement of relief assistance to the affected, rests with the State Government concerned. State Governments undertake relief measures in the wake of natural calamities, from the State Disaster Response Fund (SDRF) already placed at their disposal as per approved norms. Additional financial assistance is provided from the National Disaster Response Fund (NDRF), in case of disaster of 'severe nature'. Details of the fund allocated and released under SDRF/NDRF to the States are available on website i.e. ndmindia.mha.gov.in.

To provide relief to farmers suffering crop losses, Government also launched Pradhan Mantri Fasal Bima Yojna (PMFBY) in the country from Kharif 2016 season implemented on 'Area Approach' basis. The Scheme provides comprehensive risk coverage against crop damage from pre-sowing to post-harvest for cereals, millets and pulses or oilseeds, and commercial or horticultural crops notified by concerned State Government. The scheme safeguards against widespread yield loss due to natural risks, such as, flood, inundation, landslide, drought, dry spells, hailstorm, cyclone, pests/diseases, natural fire/lightning, storm, typhoon, tempest, hurricane, and tornado, localized risks (hailstorm, landslide, inundation, cloudburst, and natural fire) and post-harvest losses due to cyclone, unseasonal rain, and hailstorm. As of 30.11.2025, ₹1,90,374 crore has been disbursed as claims to approximately 2,301 lakh farmers since inception of the Scheme. Detail of coverage and claims paid to the insured farmers since inception i.e. 2016-17 to 2024-25 is at **Annexure**.

(c) & (d): The Government implements National Mission on Sustainable Agriculture (NMSA) to deal with the adverse climate situations in the agriculture sector. Under NMSA, Per Drop More Crop(PDMC) scheme is being implemented to increase water use efficiency at the farm level through micro irrigation technologies i.e. drip and sprinkler irrigation systems. Rainfed Area Development scheme is focuses on Integrated Farming System 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. Organic farming is promoted through Paramparagat Krishi Vikas Yojana and Mission Organic Value Chain Development for North Eastern Region and natural farming through National Mission on Natural Farming. Mission for Integrated Development of Horticulture, Agroforestry & National Bamboo Mission also promote climate resilience in agriculture.

Indian Council of Agricultural Research (ICAR) has been implementing a project- National Innovations in Climate Resilient Agriculture (NICRA) since 2011. The project studies the impact of erratic monsoons, extreme weather events and climate change on agriculture. District level risk and vulnerability assessment of agriculture to future climate change and integrated simulation modelling studies for estimating the future projections of climate change are undertaken. Risk and vulnerability assessment of agriculture to climate change has been carried out for 651 predominantly agricultural districts as per Intergovernmental Panel on Climate Change (IPCC) protocols. 310 districts were identified as vulnerable out of which 109 districts have been categorized as 'very high' and 201 districts as 'highly' vulnerable. To address the impact of climate change, ICAR has released 2900 varieties during last 10 years (2014-2024). Out of these 2661 varieties are tolerant to one or more biotic and/or abiotic stresses.

2016-17 to 2024-25 - PMFBY & RWBCIS Combined - State Wise Business Statistics as on 31.10.2025

State/UT Name	Farmers Applications Insured (lakh)	Area Insured (lakh ha)	Farmers Share in Premium	Paid Claims
	Total		Rs. Crore	
A & N Islands	0.0	0.0	0.1	0.3
Andhra Pradesh	437.2	195.5	795.5	5,575.6
Assam	62.9	37.4	35.5	724.5
Bihar	52.3	48.3	402.5	811.1
Chhattisgarh	435.4	212.1	1,627.2	7,651.9
Goa	0.0	0.0	0.2	0.1
Gujarat	83.9	112.3	1,499.4	5,737.2
Haryana	388.9	151.9	2,351.2	9,006.3
Himachal Pradesh	26.7	356.5	274.5	607.6
Jammu & Kashmir	9.6	5.6	67.9	156.9
Jharkhand	71.6	33.0	75.4	857.3
Karnataka	223.6	190.9	2,536.3	17,475.5
Kerala	9.6	5.0	76.2	741.9
Madhya Pradesh	1,019.4	1,004.5	6,820.0	31,722.6
Maharashtra	1,308.1	796.9	5,522.2	44,978.4
Manipur	0.4	0.4	3.8	10.5
Meghalaya	0.9	0.4	0.8	24.5
Odisha	654.8	124.3	1,154.6	7,179.8
Puducherry	2.0	0.8	1.4	18.8
Rajasthan	1,942.2	914.7	6,827.5	31,411.3
Sikkim	0.1	0.0	0.5	0.2
Tamil Nadu	381.7	129.6	1,396.7	15,488.1
Telangana	39.0	40.1	696.4	1,906.4
Tripura	14.0	2.6	3.8	12.3
Uttar Pradesh	529.4	337.6	3,100.0	5,801.2
Uttarakhand	20.0	232.5	344.8	1,211.0
West Bengal	138.1	56.4	305.5	1,262.8
GRAND TOTAL	7,851.9	4,989.4	35,919.9	1,90,374.1
