

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

**LOK SABHA**  
**UNSTARRED QUESTION NO. 1483**  
TO BE ANSWERED ON THE 11<sup>TH</sup> FEBRUARY, 2020

**CROP DAMAGE DUE TO CHANGING WEATHER**

1483. SHRIMATI RITI PATHAK:  
SHRI JUGAL KISHORE SHARMA:

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

- (a) whether the sudden change in weather has caused damage to crops and reduction in yields as well as income of farmers;
- (b) if so, the quantum of losses suffered by farmers due to this reason during each of the last three years and the current year, State-wise;
- (c) whether this sudden climate change has resulted in heavy rains, hailstorms, cyclones, deficient rains, droughts, etc.; and
- (d) if so, the details of the areas affected due to such unusual weather patterns?

**ANSWER**

MINISTER OF AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण मंत्री (SHRI NARENDRA SINGH TOMAR)

(a) & (b): There have been extreme weather events in the recent past including extended dry period, flood, hailstorm, cyclonic rains and wind etc. However, there was no significant reduction in the production of foodgrains during last three years. The foodgrain production during last 3 years is as under;

Crops	Year		
	2017-18	2018-19	2019-20 (Kharif only)
Total Foodgrains (in Million tonne)	285.01	284.95	140.57

The State-wise area affected due to drought in last three years for NDRF assistance is given at **Annexure-I**

(c) & (d): The extreme weather events occurred in the last four years (2015-2018) are given at **Annexure-II**.

As per the report of Inter-Ministerial Central Teams (IMCTs) constituted by Government of India an estimated area of 63.995 lakh ha was affected due to floods in 15 States viz. Assam, Bihar, Chhattisgarh, Gujarat, Karnataka, Kerala, Madhya Pradesh,

Maharashtra, Odisha, Punjab, Rajasthan, Tripura, Uttar Pradesh, Uttarakhand and West Bengal during 2019-20.

**Annexure-I**

**Annexure as referred to in part (a&b) of Lok Sabha Unstarred question No. 1483 due for answer on 11.02.2020**

**State-wise details of area affected by drought in last three years (2017-18 to 2019-20)**

S.N	State	Drought (area in Hectare)		
		2017-18	2018-19	2019-20
1	Karnataka		3961133	
2	Chhattisgarh	605803		
3	Madhya Pradesh	1864340		
4	Andhra Pradesh	131531	1361532	
5	Rajasthan	1706791	2965296	720215
6	Jharkhand		530387	
7	Gujarat		110514	
8	Uttar Pradesh	109835		
9	Maharashtra		7264063	
10	Manipur			71411.03
	<b>Total</b>	<b>4418300</b>	<b>16192925</b>	<b>791626.03</b>

Annexure as referred to in part (c & d) of Lok Sabha Unstarred question No. 1483 due for answer on 11.02.2020

<b>Extreme Weather Events in the last four years (2015- 2018)</b>	
<b>Extreme Events</b>	<b>Affected areas</b>
<b>2018</b>	
Flood & Heavy rainfall	Gujarat, Maharashtra, Kerala, Tamil Nadu, Uttar Pradesh, Assam, west Bengal and Odisha
Cold wave	Uttar Pradesh
Snow and avlanche	Jammu & Kashmir
<b>2017</b>	
Flood	Gujarat, South Rajasthan, West Bengal, Assam, Uttar Pradesh, Odisha, Northern Coastal Andhra Pradesh
Hailstorm	Maharashtra, Vidarbha and Central Madhya Pradesh
Drought	Punjab, Haryana, Uttar Pradesh, East Madhya Pradesh and Vidarbha
Cyclone (Ockhi)	Kerala and Tamil Nadu
<b>2016</b>	
Heavy rainfall	Gujarat, Maharashtra, Rajasthan, Andhra Pradesh, Uttarakhand, Assam, Bihar & Madhya Pradesh
Hailstorm	Bihar, Odisha, Madhya Pradesh & Uttar Pradesh
Drought	Uttar Pradesh, Madhya Pradesh, Maharashtra, Odisha
Cyclone (Vardah)	Tamil Nadu
<b>2015</b>	
Heavy rainfall	Tamil Nadu, Andhra Pradesh, Assam, Gujarat, MP, Manipur, Odisha, Rajasthan, WB
Hailstorm	Bihar, Gujarat, Madhya Pradesh, Maharashtra, Rajasthan, Haryana, Punjab, Uttar Pradesh, Uttrakhand, Himachal Pradesh, J & K, Telangana, Andhra Pradesh, Kerala, West Bengal
Drought	Chhattisgarh, Karnataka, Jharkhand, Odisha, Madhya Pradesh, Maharashtra, Andhra Pradesh, Telangana, Rajasthan
Cyclone	Gujarat

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