

**GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA**

UNSTARRED QUESTION NO:2757
ANSWERED ON:12.12.2005
IMPACT OF RAINFALL ON AGRICULTURE
Kharventhan Shri Salarapatty Kuppasamy

Will the Minister of AGRICULTURE be pleased to state:

- (a) the States which have experienced shortage of rainfall in the country during the last three years and the expected actual rainfall during the years;
- (b) whether the shortage of rainfall has affected country's overall agricultural production;
- (c) if so, the details thereof alongwith the comparative figures over the corresponding three years; and
- (d) the steps taken by the Government to tackle the situation?

Answer

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND MINISTER OF STATE IN THE MINISTRY OF CONSUMER AFFAIRS, FOOD & PUBLIC DISTRIBUTION (DR. AKHILESH PRASAD SINGH)

(a): In 2002, 19 States/UTs; in 2003, 3 States/UTs and in 2004, 6 States/UTs experienced deficient and scanty rainfall (showing deviations of -19% to -99% from normal). The details of normal (expected) as well as actual rainfall for the last three years for all the States/UTs are given in Annexure-I.

(b) & (c): Agriculture production of major crops in the year 2002-03 was 480.49 million tonnes as against 516.52 million tonnes in 2001-02 implying a decrease of 7% over the previous year. Agriculture production for the same crops in the year 2003-04 was 480.44 million tonnes, implying no change over the previous year and in the year 2004-05 it was 467.81 million tonnes implying a decrease of 3% over the previous year. Details are given in Annexure-II. It may be stated that besides rainfall, there are many other factors like supply of inputs, weather conditions, incidence of pests & diseases, etc., which also affect the agriculture production during a particular year.

(d): The Government has initiated several steps to tackle the situation. A new scheme 'Enhancing Sustainability of Dry Land Farming System' has been formulated to address the issues of dry land farming systems in arid and semi-arid region of the country. The Government is also providing creation of additional irrigation facilities especially through micro irrigation. Under accelerated irrigation benefit programme also, special focus has been laid for speedy completion of last mile irrigation projects by enhancing the outlays during the current year. Further, in order to compensate the farmers for crop loss due to non-preventable risks including deficient rainfall, Government of India is implementing National Agricultural Insurance Scheme in 23 States and 2 Union Territories from Rabi 1999-2000. This scheme is available to all the farmers - loanee and non-loanee - irrespective of their size of holding. Efforts are also on to provide adequate credit facilities to the farmers.

Annexure - I

Annexure - I of Lok Sabha unstarred Question no. 2757 'On Impact of Rainfall on Agriculture' by Shri S.K. Kharventhan due for answer on 12-12-2005.

STATE-WISE RAINFALL FOR ALL SEASONS - 2002 TO 2004

(in mm)

S. NO.	STATE / UT	Total-2002			Total-2003			Total-2004		
		Normal	Actual	%	Normal	Actual	%	Normal	Actual	%
		Devi gory	Devi gory	Devi gory						
1	A & N Islands (UT)	2948.1	2289.0	-22	D 2945.7	2484.9	-16	N 3060.7	2508.0	-18

2 Arunachal 3325.4 2573.4 -23 D 3003.2 2573.1 -14 N 2927.5 2953.6 1 N

Pradesh

3 Assam 1880.4 2128.7 13 N 2385.9 2234.6 -6 N 2275.5 2570.3 13 N

4 Meghalaya 6191.9 4631.2 -25 D 4940.2 5794.1 17 N 6878.6 7844.2 14 N

5 Nagaland 2011.8 1260.3 -37 D 1935.0 1549.5 -20 D 1893.3 1452.7 -23 D

6 Manipur 1362.4 1100.8 -19 N 1361.9 1283.3 -6 N 1373.1 1358.4 -1 N

7 Mizoram 2612.8 1665.5 -36 D 2304.6 2734.3 19 N 2178.2 2442.2 12 N

8 Tripura 2314.0 2086.8 -10 N 2314.2 2297.9 -1 N 2349.9 2598.0 11 N

9 Sikkim 2556.5 2906.7 14 N 2918.1 3358.9 15 N 3090.5 2782.0 -10 N

10 West Bengal 1796.4 1809.3 1 N 1823.4 2042.5 12 N 1745.9 1828.7 5 N

11 Orissa 1427.4 1167.4 -18 N 1450.3 1716.9 18 N 1459.0 1332.3 -9 N

12 Bihar 1188.7 1167.2 -2 N 1188.2 1419.3 19 N 1230.6 1127.4 -8 N

13 Jharkhand 1299.8 1278.8 -2 N 1296.3 1275.7 -2 N 1328.8 1152.5 -13 N

14 Uttar Pradesh 969.5 778.3 -20 D 951.0 1124.9 18 N 976.3 761.1 -22 D

15 Uttaranchal 1612.6 1706.3 6 N 1586.2 1888.1 19 N 1553.8 1678.7 8 N

16 Haryana 617.6 453.2 -27 D 584.7 680.0 16 N 556.6 517.7 -7 N

17 Chandigarh 1061.9 1010.0 -5 N 1075.2 1042.4 -3 N 1077.7 1243.2 15 N
(UT)

18 Delhi 705.4 562.5 -20 D 794.1 1033.1 30 E 794.0 604.3 -24 D

19 Punjab 648.5 401.2 -38 D 653.0 635.0 -3 N 649.1 443.9 -32 D

20 Himachal Pradesh 1347.1 1041.1 -23 D 1387.6 1238.0 -11 N 1252.3 760.0 -39 D

21 Jammu & Kashmir 921.4 745.3 -19 N 1025.0 1112.9 9 N 1124.5 922.3 -18 N

22 Rajasthan 494.8 197.9 -60 S 575.8 552.8 -4 N 462.3 381.9 -17 N

23 Madhya Pradesh 1104.3 912.2 -17 N 1079.5 1197.7 11 N 1090.9 885.4 -19 N

24 Chhattisgarh 1311.0 1082.3 -17 N 1318.6 1656.5 26 E 1363.3 1194.2 -12 N

25 Gujarat 764.1 543.5 -29 D 905.1 1059.9 17 N 716.1 711.4 -1 N

26 DNH & Daman (Uts) 2195.6 1176.4 -46 D 2212.8 2233.2 1 N 2212.6 2732.9 24 E

27 DIU (UT) (no data) 624.4 0.0 ND 625.0 0.0 ND 625.0 0.0 ND

28 Goa 3289.3 2349.3 -29 D 3049.5 2981.7 -2 N 3045.2 2390.0 -22 D

29 Maharashtra 1159.6 956.2 -18 N 1211.5 1063.1 -12 N 1146.9 1021.6 -11 N

30 Andhra Pradesh 917.2 719.0 -22 D 887.8 955.3 8 N 904.0 808.2 -11 N

31 Tamil Nadu 937.1 722.8 -23 D 954.0 916.2 -4 N 910.7 1099.9 21 E

32 Pondicherry (UT) 1372.5 992.6 -28 D 1363.3 1139.7 -16 N 1363.2 1839.4 35 E

33 Karnataka 1288.3 941.1 -27 D 1229.4 971.5 -21 D 1155.4 1084.3 -6 N

34 Kerala 2870.7 2419.2 -16 N 3065.5 2281.0 -26 D 3158.6 2958.7 -6 N

35 Lakshadweep (UT) 1577.1 1034.4 -34 D 1582.3 1532.5 -3 N 1584.7 2096.8 32 E

All-India 1208.6 977.0 -19 N 1197.7 1242.8 4 N 1187.8 1089.5 -8 N

Note:- Normal (N) - +20% or more, Excess (E) - +19% to -19%, Deficient (D) - -20% to -59%, Scanty (S) - -60% to -99% ND - No data.

Source: The above information has been provided by India Meteorological Department during Crop Weather Watch Group meetings held in DAC during the year 2002 - 2004.

Annexure -II

Annexure -II of Lok Sabha Unstarred Question No. 2757 on Impact of Rainfall on Agriculture by Shri S. K. Kharventhan due for answer on 12.12.2005

Production of major crops during the years 2001 to 2004

(in million tonnes)

Crops	2001-02	2002-03	2003-04	2004-05	%change	%change	%change
		in2002-03	in2003-04	in2004-05			

Foodgrains	212.85	174.77	213.46	204.61	-18	22	-4
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Total Nine Oilseeds	20.66	14.84	25.29	26.10	-28	70	3
Cotton	1.70	1.47	2.36	2.89	-14	61	23
Jute & Mesta	2.10	2.03	2.02	1.89	-3	0	-7
Sugarcane	279.21	287.38	237.31	232.32	3	-17	-2
Total Crops	516.52	480.49	480.44	467.81	-7	0	-3