

**DEPARTMENT OF AGROMETEOROLOGY, COLLEGE OF AGRICULTURE
GB PANT UNIVERSITY OF AGRICULTURE & TECHNOLOGY,
PANTNAGAR-263145, INDIA**

**Progressive Rainfall Situation (% departure from normal)
in Uttarakhand**

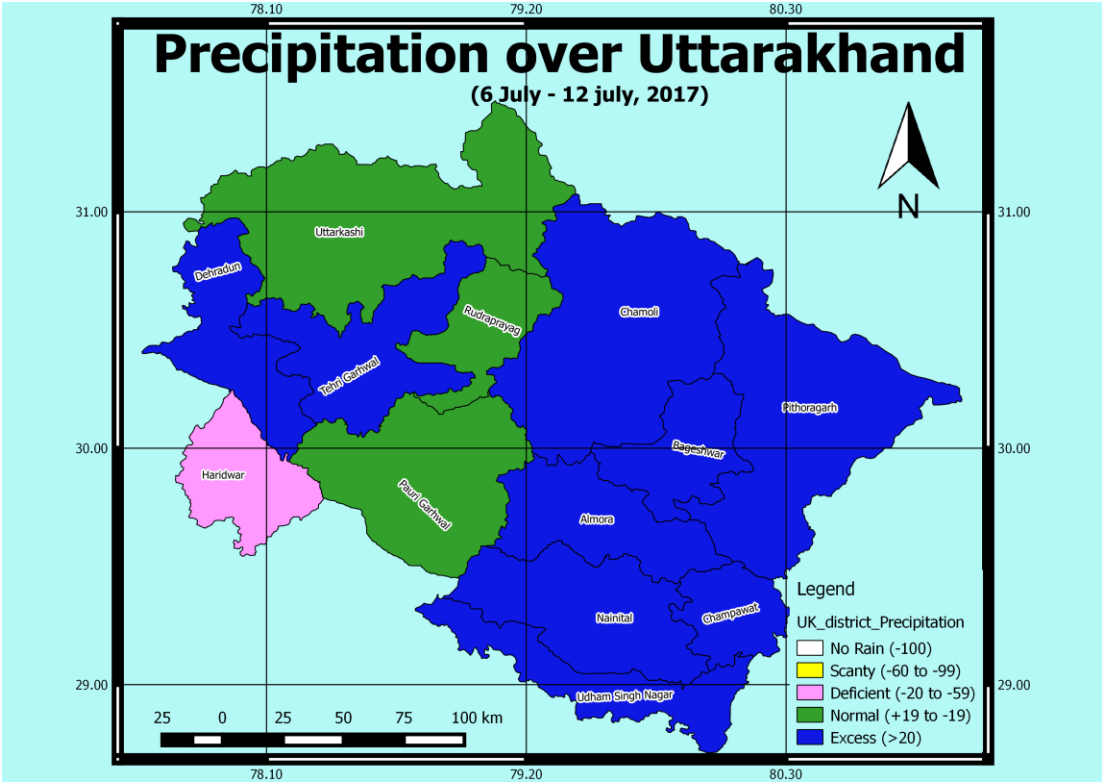
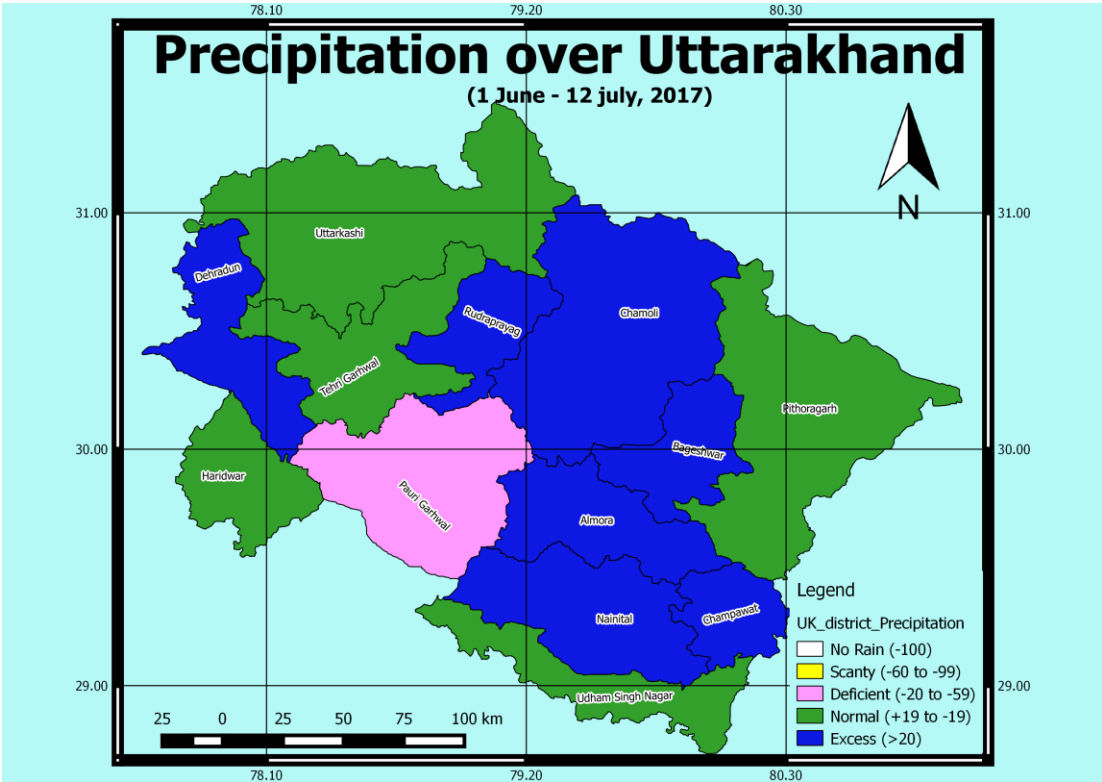
(1 June-12 July, 2017)

S. No.	Districts	Normal Rainfall (mm) (June-Sep)	Rainfall departure (%)	Rainfall departure (%)	Rainfall departure (%)	Rainfall departure (%)	Rainfall departure (%)	Rainfall departure (%)	1 June -12 July, 2017	
			(1-7 June)	(1-14 June)	(1-21 June)	(1-28 June)	(1 June-5 July)	(1 June-12 July)	Normal RF (mm)	Actual RF (mm)
1	Almora	858.4	50	-10	-10	-12	-7	52	234.3	356.1
2	Bageshwar	858.4	39	-18	-23	7	50	103	234.3	475.7
3	Chamoli	859.3	140	88	53	72	62	64	201.2	330.3
4	Champawat	1319.7	-66	-61	-47	-31	25	45	391.5	567
5	Dehradun	1802.1	112	31	30	55	69	87	405.9	757.7
6	Pauri Garhwal	1213.5	31	-11	7	-33	-35	-22	279.9	217.2
7	Tehri Garhwal	1047.1	48	-21	-30	-21	-18	10	250.5	275
8	Haridwar	961.9	89	-19	-59	-41	27	8	231	250.2
9	Nainital	1439.1	27	5	-14	-29	9	70	389.3	663.2
10	Pithoragarh	1687.9	15	-26	-43	-42	-27	1	496.8	499.3
11	Rudraprayag Udham	1671.1	263	25	-15	9	23	21	398.7	482.3
12	Singh Nagar	1119.9	-68	-85	-86	-78	-42	-9	298	270.3
13	Uttarkashi	1148.6	126	53	26	12	22	9	273.2	299

LEGEND:	
Excess: (+20 or more)	
Normal: (+19 to -19)	
Deficient: (-20 to -59)	
Scanty: (-60 to -99)	
No Rain: (-100)	

Rainfall Situation	Rainfall departure (%) (1 June- 12 July, 2017)	Rainfall departure (%) (6 July-12 July, 2017)
Uttarakhand as a Whole	33	84
Kumaon Region	39	137
Garhwal Region	28	37

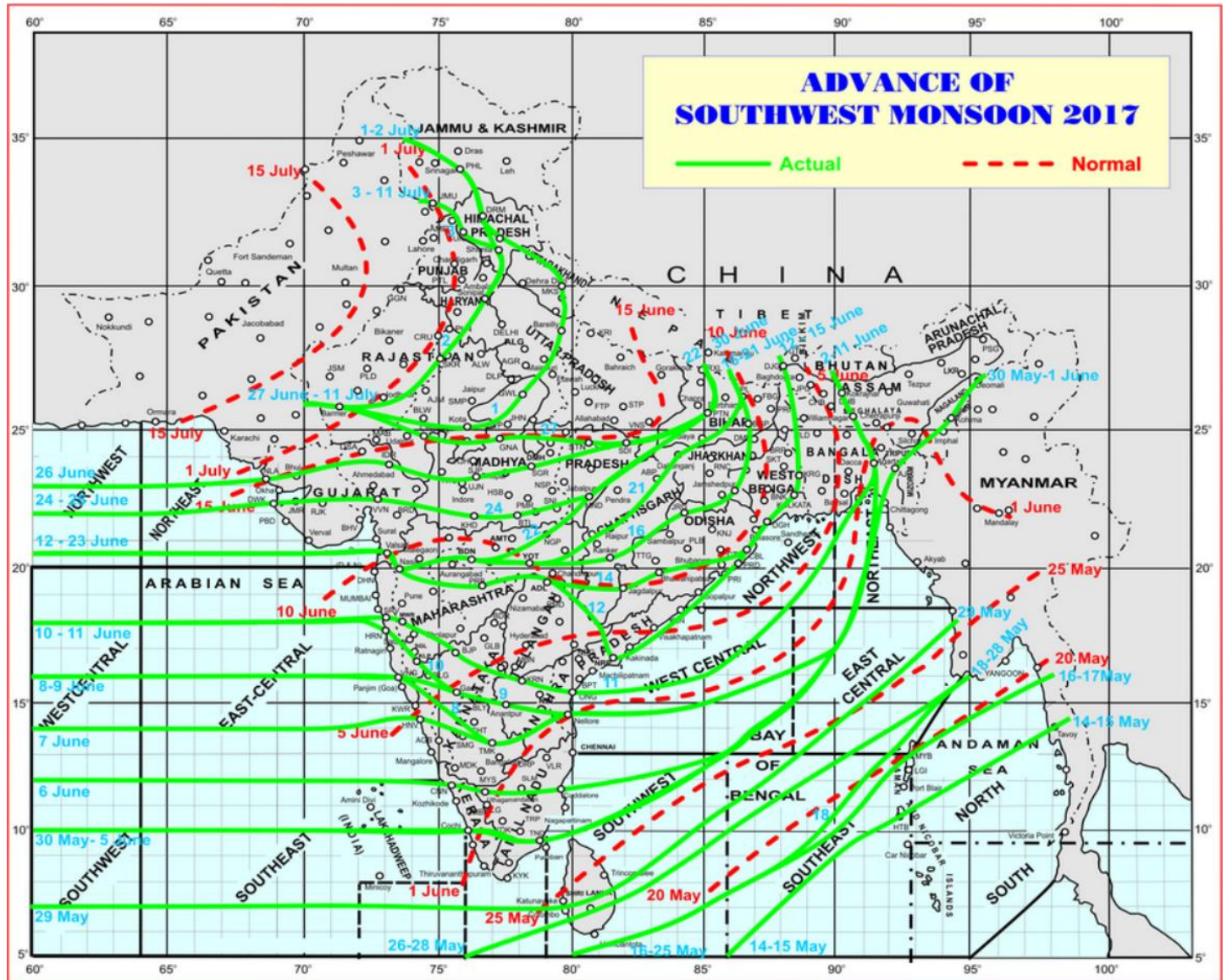
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Based on data provided by IMD

Northern Limit of Southwest Monsoon 2017



Courtesy- IMD, MOES, GOI, New Delhi

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VALUE ADDED AT MC DEHRADUN

INDIA METEOROLOGICAL DEPARTMENT
NWP MODELS BASED DISTRICT LEVEL WEATHER PREDICTION
ISSUED ON: 11-07-2017
VALID TILL 08:30 IST OF THE NEXT 5 DAYS

STATE : UTTARAKHAND

PARAMETERS	ENSEMBLE FCST				
	DAY-1 12072017	DAY-2 13072017	DAY-3 14072017	DAY-4 15072017	DAY-5 16072017
DISTRICT: ALMORA					
Rainfall (mm)	65	50	10	20	30
Max Temperature (deg C)	26	26	28	29	29
Min Temperature (deg C)	18	18	20	20	20
Total cloud cover (octa)	7	7	5	5	6
Max Relative Humidity (%)	95	95	90	90	95
Min Relative Humidity (%)	65	65	55	55	65
Wind speed (kmph)	008	006	010	010	006
Wind direction (deg)	140	120	120	120	120
DISTRICT: BAGESHWAR					
Rainfall (mm)	90	90	10	35	40
Max Temperature (deg C)	25	25	27	28	28
Min Temperature (deg C)	18	18	20	20	20
Total cloud cover (octa)	7	7	6	7	7
Max Relative Humidity (%)	95	95	95	95	95
Min Relative Humidity (%)	65	65	65	65	65
Wind speed (kmph)	006	004	008	008	004
Wind direction (deg)	140	120	120	120	120
DISTRICT: CHAMOLI					
Rainfall (mm)	90	90	10	35	40
Max Temperature (deg C)	26	26	29	29	30
Min Temperature (deg C)	21	21	23	24	23
Total cloud cover (octa)	7	7	6	7	7

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Max Relative Humidity (%)	95	95	95	95	95
Min Relative Humidity (%)	65	65	65	65	65
Wind speed (kmph)	006	004	008	008	004
Wind direction (deg)	140	120	120	120	120

DISTRICT: CHAMPAWAT

Rainfall (mm)	45	30	5	15	15
Max Temperature (deg C)	26	26	28	29	29
Min Temperature (deg C)	18	18	20	20	20
Total cloud cover (octa)	7	7	5	5	6
Max Relative Humidity (%)	95	95	90	90	95
Min Relative Humidity (%)	65	65	55	55	65
Wind speed (kmph)	008	006	010	010	006
Wind direction (deg)	140	120	120	120	120

DISTRICT: DEHRADUN

Rainfall (mm)	70	40	10	20	15
Max Temperature (deg C)	30	31	33	33	34
Min Temperature (deg C)	22	23	24	25	25
Total cloud cover (octa)	7	7	5	6	5
Max Relative Humidity (%)	95	95	90	90	90
Min Relative Humidity (%)	65	65	55	55	55
Wind speed (kmph)	006	004	008	008	004
Wind direction (deg)	140	120	120	120	120

DISTRICT: HARIDWAR

Rainfall (mm)	40	15	5	15	5
Max Temperature (deg C)	31	32	33	33	34
Min Temperature (deg C)	23	23	24	25	25
Total cloud cover (octa)	7	7	5	6	5
Max Relative Humidity (%)	95	95	90	90	90
Min Relative Humidity (%)	65	65	55	55	55
Wind speed (kmph)	008	006	010	010	006
Wind direction (deg)	140	120	120	120	120

DISTRICT: NAINITAL	12072017	13072017	14072017	15072017	16072017
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Rainfall (mm)	55	40	10	15	20
Max Temperature (deg C)	20	21	23	24	24
Min Temperature (deg C)	14	15	16	16	16
Total cloud cover (octa)	7	7	5	6	6
Max Relative Humidity (%)	95	95	90	90	90
Min Relative Humidity (%)	65	65	55	55	55
Wind speed (kmph)	008	006	010	010	006
Wind direction (deg)	140	120	120	120	120

DISTRICT: PAURI GARHWAL

Rainfall (mm)	25	20	10	10	5
Max Temperature (deg C)	23	24	25	25	26
Min Temperature (deg C)	15	16	17	17	17
Total cloud cover (octa)	7	7	5	6	5
Max Relative Humidity (%)	95	95	90	90	90
Min Relative Humidity (%)	65	65	55	55	55
Wind speed (kmph)	006	004	008	008	004
Wind direction (deg)	140	120	120	120	120

DISTRICT: PITHORAGARH

Rainfall (mm)	90	90	10	35	40
Max Temperature (deg C)	25	25	27	28	28
Min Temperature (deg C)	18	18	20	20	20
Total cloud cover (octa)	7	7	7	7	7
Max Relative Humidity (%)	95	95	95	95	95
Min Relative Humidity (%)	65	65	65	65	65
Wind speed (kmph)	006	004	008	008	004
Wind direction (deg)	140	120	120	120	120

DISTRICT: RUDRAPRAYAG

Rainfall (mm)	60	60	10	20	10
Max Temperature (deg C)	29	29	30	31	32
Min Temperature (deg C)	21	21	24	24	24
Total cloud cover (octa)	7	7	6	6	6
Max Relative Humidity (%)	95	95	90	90	90
Min Relative Humidity (%)	65	65	55	55	55
Wind speed (kmph)	006	004	008	008	004

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Wind direction (deg)	140	120	120	120	120

DISTRICT: TEHRI-GARHWAL					

Rainfall (mm)	45	25	10	15	10
Max Temperature (deg C)	23	24	25	25	26
Min Temperature (deg C)	15	16	17	17	17
Total cloud cover (octa)	7	7	5	6	5
Max Relative Humidity (%)	95	95	90	90	90
Min Relative Humidity (%)	65	65	55	55	55
Wind speed (kmph)	006	004	008	008	004
Wind direction (deg)	140	120	120	120	120

DISTRICT: UDHAMSINGH-NGR					

Rainfall (mm)	40	25	5	5	5
Max Temperature (deg C)	29	30	33	34	35
Min Temperature (deg C)	24	25	26	26	26
Total cloud cover (octa)	7	7	4	4	4
Max Relative Humidity (%)	95	95	90	90	90
Min Relative Humidity (%)	65	65	55	55	55
Wind speed (kmph)	008	006	012	012	008
Wind direction (deg)	140	120	120	120	120

DISTRICT: UTTARKASHI					

Rainfall (mm)	90	90	10	35	40
Max Temperature (deg C)	29	29	30	31	32
Min Temperature (deg C)	21	21	22	23	23
Total cloud cover (octa)	7	7	7	7	7
Max Relative Humidity (%)	95	95	95	95	95
Min Relative Humidity (%)	65	65	65	65	65
Wind speed (kmph)	006	004	008	008	004
Wind direction (deg)	140	120	120	120	120

	12072017	13072017	14072017	15072017	16072017
