

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

**Progressive Rainfall Situation (% departure from normal)
in Uttarakhand
(1 Oct - 30 Nov, 2016)**

S. No.	Districts	RD (%)	RD (%)	RD (%)	RD (%)	RD (%)	RD (%)	RD (%)	RD (%)	RD (%)	1 Oct-30 Nov, 2016	
		(1-5 Oct)	(1-12 Oct)	(1-19 Oct)	(1-26 Oct)	(1Oct-2 Nov)	(1Oct-9Nov)	(1Oct-16Nov)	(1Oct-23Nov)	(1Oct-30Nov)	Normal RF (mm)	Actual RF (mm)
1	Almora	-100	-100	-100	-100	-100	-100	-100	-100	-100	65.3	0
2	Bageshwar	-96	-92	-94	-94	-95	-95	-95	-95	-95	65.3	3.3
3	Chamoli	-72	-75	-83	-84	-82	-83	-83	-84	-85	53.7	8.3
4	Champawat	-44	-57	-74	-75	-76	-77	-77	-78	-78	85.6	19.1
5	Dehradun	-84	-66	-71	-74	-76	-77	-78	-79	-79	75.5	15.9
6	Pauri Garhwal	-100	-100	-100	-100	-100	-100	-100	-100	-100	63.1	0
7	Tehri Garhwal	-100	-99	-100	-100	-100	-100	-100	-100	-100	58.7	0.2
8	Haridwar	-100	-89	-91	-91	-92	-93	-93	-93	-93	34.1	2.5
9	Nainital	-97	-76	-82	-82	-84	-84	-84	-84	-85	88.7	14
10	Pithoragarh	34	-4	-31	-36	-41	-44	-46	-49	-50	77.8	39.1
11	Rudraprayag	-20	-66	-71	-73	-75	-76	-77	-78	-80	66.3	13.7
12	Udham Singh Nagar	-99	-99	-99	-100	-100	-100	-100	-100	-100	78	0.4
13	Uttarkashi	10	-49	-59	-65	-69	-71	-72	-73	-74	72.9	19.5

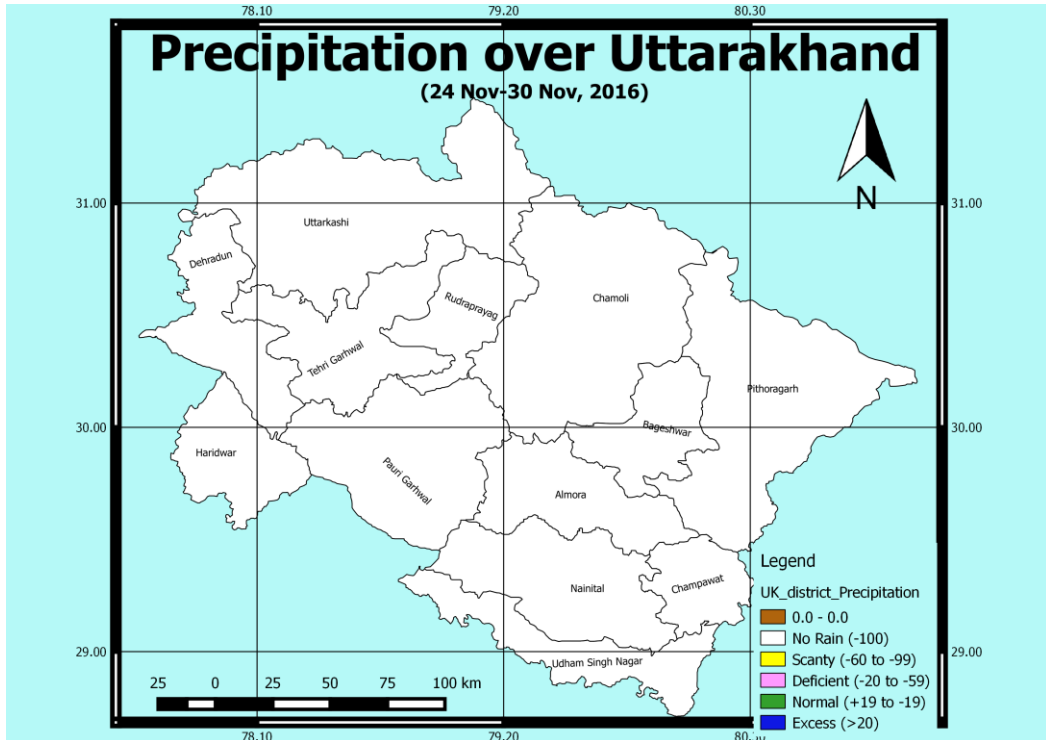
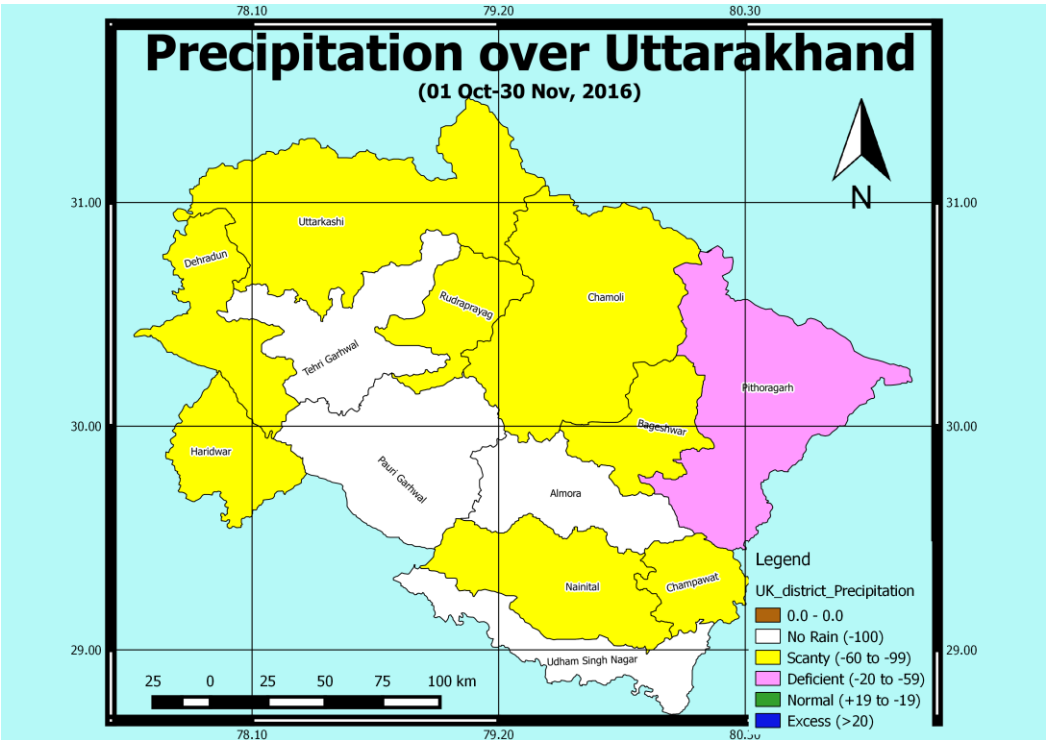
*RD= Rainfall Departure

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

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

Rainfall Situation	Rainfall departure (%) (1 Oct - 23 Nov)	Rainfall departure (%) (17 Nov- 23 Nov)
Uttarakhand as a Whole	-84	-100
Kumaon Region	-83	-100
Garhwal Region	-85	-100

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@ Department of Agrometeorology, GBPUA&T, Pantnagar

Based on data provided by IMD

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Weather Forecast for Next five Days as received from IMD, New Delhi

VALUE ADDED AT MC DEHRADUN

INDIA METEOROLOGICAL DEPARTMENT
NWP MODELS BASED DISTRICT LEVEL WEATHER PREDICTION
ISSUED ON: 29-11-2016
VALID TILL 08:30 IST OF THE NEXT 5 DAYS

STATE:UTTARAKHAND

PARAMETERS	ENSEMBLE FCST				
	DAY-1	DAY-2	DAY-3	DAY-4	DAY-5
DISTRICT : UTTARKASHI	30/11	01/12	02/12	03/12	04/12
Rainfall (mm)	0	0	0	0	0
Max Temperature (deg C)	19	19	19	18	18
Min Temperature (deg C)	07	08	08	07	07
Total cloud cover (octa)	1	2	2	1	0
Max Relative Humidity (%)	85	85	85	80	80
Min Relative Humidity (%)	40	40	35	35	30
Wind speed (kmph)	006	006	008	006	006
Wind direction (deg)	230	220	210	220	210
DISTRICT: CHAMOLI					
Rainfall (mm)	0	0	0	0	0
Max Temperature (deg C)	18	17	17	17	16
Min Temperature (deg C)	08	08	08	07	07
Total cloud cover (octa)	1	2	2	1	0
Max Relative Humidity (%)	85	80	80	80	80
Min Relative Humidity (%)	40	40	40	35	35
Wind speed (kmph)	006	006	008	006	006
Wind direction (deg)	230	220	210	220	220

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DISTRICT: PITHORAGARH

Rainfall (mm)	0	0	0	0	0
Max Temperature (deg C)	24	24	24	23	23
Min Temperature (deg C)	07	08	08	07	07
Total cloud cover (octa)	1	2	2	1	0
Max Relative Humidity (%)	85	85	85	80	80
Min Relative Humidity (%)	40	40	35	35	30
Wind speed (kmph)	006	006	006	006	004
Wind direction (deg)	230	220	220	210	220

DISTRICT: BAGESHWAR

Rainfall (mm)	0	0	0	0	0
Max Temperature (deg C)	24	24	24	23	23
Min Temperature (deg C)	07	08	08	07	07
Total cloud cover (octa)	1	2	2	1	0
Max Relative Humidity (%)	85	85	85	80	80
Min Relative Humidity (%)	40	40	35	35	30
Wind speed (kmph)	006	006	006	006	004
Wind direction (deg)	230	220	220	210	220

DISTRICT: ALMORA

Rainfall (mm)	0	0	0	0	0
Max Temperature (deg C)	19	19	19	18	18
Min Temperature (deg C)	05	06	06	05	05
Total cloud cover (octa)	0	1	1	0	0
Max Relative Humidity (%)	85	85	80	80	80
Min Relative Humidity (%)	35	35	35	30	30
Wind speed (kmph)	004	006	006	006	006
Wind direction (deg)	210	220	210	210	220

DISTRICT: CHAMPAWAT

Rainfall (mm)	0	0	0	0	0
Max Temperature (deg C)	18	18	18	17	17
Min Temperature (deg C)	07	07	07	07	06

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Total cloud cover (octa)	0	1	1	0	0
Max Relative Humidity (%)	85	85	80	80	80
Min Relative Humidity (%)	40	35	35	35	30
Wind speed (kmph)	004	006	006	004	006
Wind direction (deg)	230	220	230	220	210

DISTRICT: RUDRAPRAYAG

Rainfall (mm)	0	0	0	0	0
Max Temperature (deg C)	19	18	18	17	17
Min Temperature (deg C)	07	07	07	06	06
Total cloud cover (octa)	1	2	2	1	0
Max Relative Humidity (%)	85	85	80	80	80
Min Relative Humidity (%)	40	35	35	30	30
Wind speed (kmph)	006	006	006	006	004
Wind direction (deg)	230	220	220	230	220

DISTRICT: TEHRI-GARHWAL

Rainfall (mm)	0	0	0	0	0
Max Temperature (deg C)	20	20	19	18	18
Min Temperature (deg C)	08	07	07	06	06
Total cloud cover (octa)	0	1	1	0	0
Max Relative Humidity (%)	85	80	80	80	80
Min Relative Humidity (%)	35	30	30	30	30
Wind speed (kmph)	006	006	004	006	006
Wind direction (deg)	230	220	210	220	210

DISTRICT: DEHRADUN

Rainfall (mm)	0	0	0	0	0
Max Temperature (deg C)	25	26	26	25	25
Min Temperature (deg C)	10	10	10	09	09
Total cloud cover (octa)	0	1	1	0	0
Max Relative Humidity (%)	85	85	85	85	85
Min Relative Humidity (%)	40	40	35	35	35
Wind speed (kmph)	006	006	004	006	006
Wind direction (deg)	210	200	220	210	220

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DISTRICT: PAURI GARHWAL					

Rainfall (mm)	0	0	0	0	0
Max Temperature (deg C)	21	20	20	19	18
Min Temperature (deg C)	07	08	07	07	07
Total cloud cover (octa)	0	1	1	0	0
Max Relative Humidity (%)	85	85	85	85	85
Min Relative Humidity (%)	40	35	35	35	30
Wind speed (kmph)	006	006	004	006	006
Wind direction (deg)	210	220	210	210	200

DISTRICT: HARIDWAR					

Rainfall (mm)	0	0	0	0	0
Max Temperature (deg C)	26	26	25	25	24
Min Temperature (deg C)	08	08	08	08	07
Total cloud cover (octa)	0	0	0	0	0
Max Relative Humidity (%)	85	85	85	85	85
Min Relative Humidity (%)	45	40	40	40	40
Wind speed (kmph)	006	006	004	004	006
Wind direction (deg)	210	220	210	200	210

DISTRICT: UDHAMSINGH-NGR					

Rainfall (mm)	0	0	0	0	0
Max Temperature (deg C)	25	25	25	24	24
Min Temperature (deg C)	10	10	10	09	08
Total cloud cover (octa)	0	0	0	0	0
Max Relative Humidity (%)	90	90	90	85	85
Min Relative Humidity (%)	40	45	45	40	40
Wind speed (kmph)	004	004	006	006	004
Wind direction (deg)	210	200	220	210	220

DISTRICT: NAINITAL					

Rainfall (mm)	0	0	0	0	0
Max Temperature (deg C)	21	21	20	19	19

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Min Temperature (deg C)	07	08	08	07	07
Total cloud cover (octa)	0	0	1	0	0
Max Relative Humidity (%)	85	85	80	80	80
Min Relative Humidity (%)	35	35	30	30	30
Wind speed (kmph)	006	006	004	004	006
Wind direction (deg)	210	220	210	220	210
