

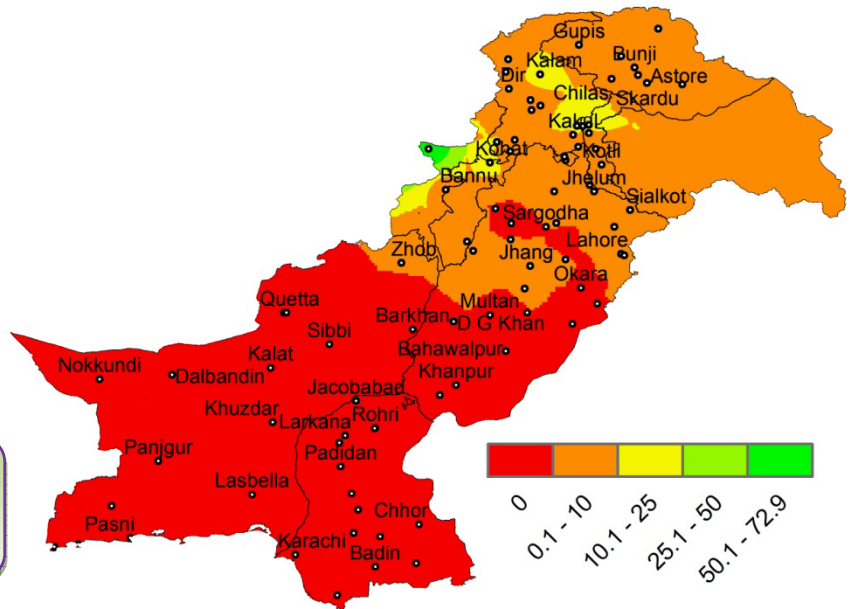
Weekly Weather and Crop Bulletin for Pakistan

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Rainfall distribution (mm) during the
Previous week (from 28th Oct to 3rd Nov, 2013)



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Highlights of Past Weather (from 28th Oct to 3rd Nov, 2013)

Mainly dry weather reported from most parts of the country during the week. Province wise distribution of rainfall reported as follows:

- Light rainfall reported at number of places in upper parts of Punjab.
- Light to moderate rainfall reported at number of places in Khyber Pakhtunkhwa.
- Light to moderate rainfall reported at number of places in Gilgit Baltistan & Kashmir regions.
- No rainfall reported from Balochistan.
- No rainfall reported from Sindh.

Patron -in-Chief: Arif Mahmood (Director General)
Chief Editor: Dr. Khalid Mehmood Malik (Director)
Editor: Tahir Mehmood (Assistant Meteorologist)

Past Weather (from 28th Oct to 3rd Nov, 2013):**Punjab:**

Light rainfall reported at number of places in upper parts of Punjab Province. Weekly maximum and minimum temperatures recorded as 29.0°C & 14.4°C respectively. For the present season average 116.9 growing degree days accumulated by the end of last week. Average relative humidity recorded as 63% and wind speed in the morning/evening recorded as 1.5/0.9 Knots. During the previous week highest amount of rainfall reported at Murree as 7.0mm and lowest minimum temperature recorded as 4.5°C at Murree.

Sindh:

No rainfall reported from Sindh Province. Weekly maximum and minimum temperatures recorded as 33.5°C & 19.0°C respectively. For the present season average 146.6 growing degree days accumulated by the end of last week. Average relative humidity recorded as 58% and wind speed in the morning/evening recorded as 1.8/3.3 Knots. During the previous week lowest minimum temperature recorded as 13.4°C at Mithi.

Khyber Pakhtunkhwa:

Light to moderate rainfall reported at number of places in Khyber Pakhtunkhwa Province. Weekly maximum and minimum temperatures recorded as 21.4°C & 8.0°C respectively. For the present season average 60.9 growing degree days accumulated by the end of last week. Average relative humidity recorded as 62% and wind speed in the morning/evening recorded as 1.0/2.2 Knots. During the previous week highest amount of rainfall reported at Parachinar as 73.0mm and lowest minimum temperature recorded as -1.5°C at Kalam.

Balochistan:

No rainfall reported from Balochistan Province. Weekly maximum and minimum temperatures recorded as 28.8°C & 11.9°C respectively. For the present season average 116.1 growing degree days accumulated by the end of last week. Average relative humidity recorded as 40% and wind speed in the morning/evening recorded as 1.3/4.3 Knots. During the previous week lowest minimum temperature recorded as -4.0°C at Kalat.

Gilgit Baltistan and Azad Jammu & Kashmir:

Light to moderate rainfall reported at number of places in Gilgit Baltistan & Kashmir regions. Weekly maximum and minimum temperatures recorded as 19.8°C & 6.2°C respectively. For the present season average 55.8 growing degree days accumulated by the end of last week. Average relative humidity recorded as 58% and wind speed in the morning/evening recorded as 0.7/1.4 Knots. During the previous week highest amount of rainfall reported at Pattan as 25.0mm and lowest minimum temperature recorded as -4.6°C at Skardu.

**Past Weather for Major Agricultural-
Plains (from 28th Oct to 3rd Nov, 2013)****Rawalpindi (Potohar region)**

Rainfall reported as 2.0mm during the week; however cloudiness in the morning/evening recorded as 0.8/1.7 Oktas while, average relative humidity observed as 68%. Mean night time temperature recorded as 11.2°C & for the present season 95.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.9 Knots.

Faisalabad (Central Punjab)

Rainfall reported as Trace during the week; however, cloudiness in the morning/evening recorded as 1.4/0.9 Oktas while, average relative humidity observed as 51%. Mean night time temperature recorded as 16.2°C & for the present season 127.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.2/0.3 Knots.

Tandojam (Lower Singh)

No rainfall and cloudiness reported during the week; while, average relative humidity observed as 55%. Mean night time temperature recorded as 18.9°C & for the present season 151.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.2/0.6 Knots.

Quetta (Northern Balochistan)

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 0.9/2.1 Oktas while, average relative humidity observed as 27%. Mean night time temperature recorded as 3.3°C & for the present season 46.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.8/3.3 Knots.

Usta Muhammad (Eastern Balochistan)

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 0.8/0.8 Oktas while, average relative humidity observed as 72%. Mean night time temperature recorded as 19.3°C & for the present season 146.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.1/0.1 Knots.

**Past Weather for Sub Regional Agricultural-
Plains (from 28th Oct to 3rd Nov, 2013)****Rohri**

No rainfall and cloudiness reported during the week; while, average relative humidity observed as 51%. Mean night time temperature recorded as 18.7°C & for the present season 141.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/1.4 Knots.

Multan

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 0.0/0.7 Oktas while, average relative humidity observed as 58%. Mean night time temperature recorded as 16.6°C & for the present season 126.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.6 Knots.

Lahore

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded as 0.0/0.6 Oktas while, average relative humidity observed as 62%. Mean night time temperature recorded as 15.4°C & for the present season 120.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/2.0 Knots.

Zhob

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 5.6/5.6 Oktas while, average relative humidity observed as 23%. Mean night time temperature recorded as 9.7°C & for the present season 85.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.1 Knots.

D.I. Khan

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded as 1.3/1.9 Oktas while, average relative humidity observed as 60%. Mean night time temperature recorded as 13.6°C & for the present season 114.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.1 Knots.

Peshawar

Rainfall reported as 11.0mm during the week; however cloudiness in the morning/evening recorded as 3.5/2.4 Oktas while, average relative humidity observed as 73%. Mean night time temperature recorded as 11.7°C & for the present season 96.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/1.1 Knots.

Murree

Rainfall reported as 7.0mm during the week; however cloudiness in the morning/evening recorded as 1.4/3.0 Oktas while, average relative humidity observed as 56%. Mean night time temperature recorded as 6.1°C & for the present season 44.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.9/1.7 Knots.

Kalam

Rainfall reported as 17.0mm during the week; however cloudiness in the morning/evening recorded as 3.9/5.1 Oktas while, average relative humidity observed as 68%. Mean night time temperature recorded as 0.0°C & for the present season 33.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.1 Knots.

Gilgit

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded as 4.4/4.4 Oktas while, average relative humidity observed as 65%. Mean night time temperature recorded as 3.8°C & for the present season 49.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/3.1 Knots.

Skardu

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 2.7/4.0 Oktas while, average relative humidity observed as 53%. Mean night time temperature recorded as -0.6°C & for the present season 15.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/3.7 Knots.

Crop Situation for Major Agricultural Plains
(Based on data from Regional Agromet Centres)

Potohar Region (Rawalpindi)

There is only one crop (rainfed conditions) grown in the fields as detailed below.

Maize (Agati 2002): Good condition at *Milk Maturity* stage.

Central Punjab (Faisalabad)

There are two crops (irrigated conditions) grown in the fields as detailed below.

Sugarcane: Very Good condition, *Tillering* stage completed.

Cotton: Normal condition at *First Picking* stage.

Lower Sindh (Tandojam)

There is presently no crop in the fields as land is preparing for new crop.

Northern Balochistan (Quetta)

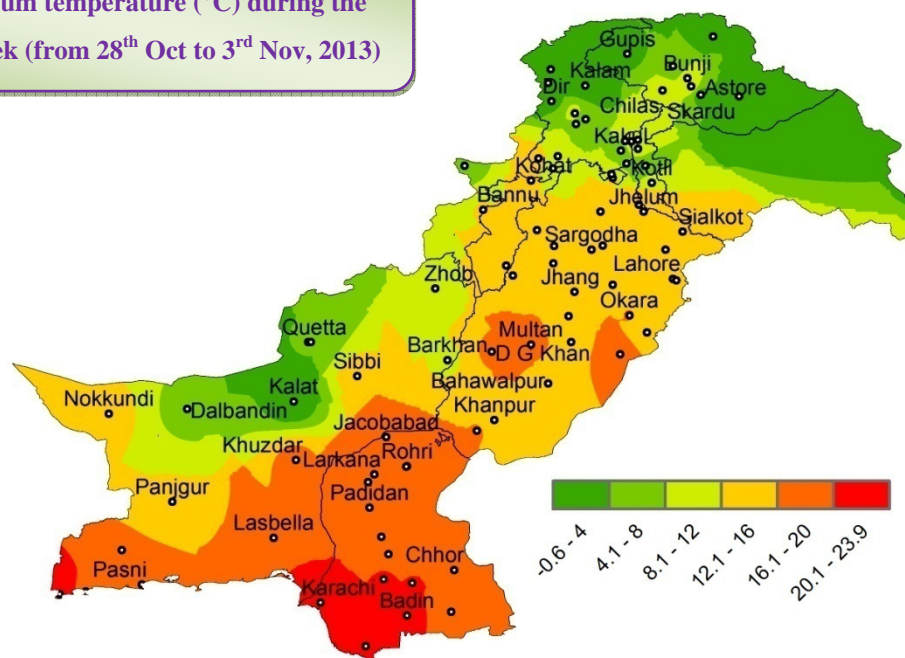
There is presently no crop in the fields.

Eastern Balochistan (Usta Muhammad)

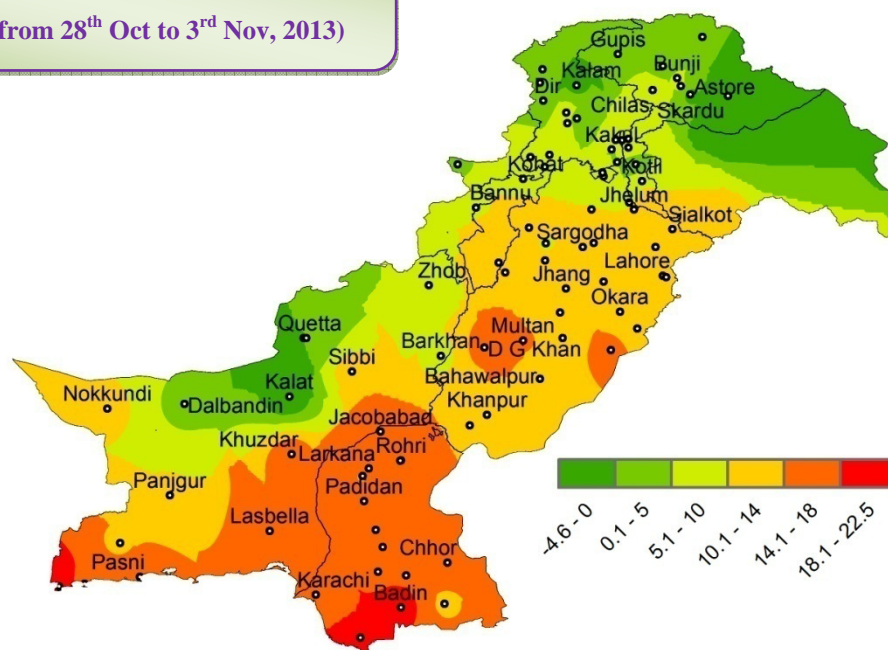
There is only one crop (irrigated conditions) grown in the fields as detailed below.

Rice: Good condition at *Harvesting* stage.

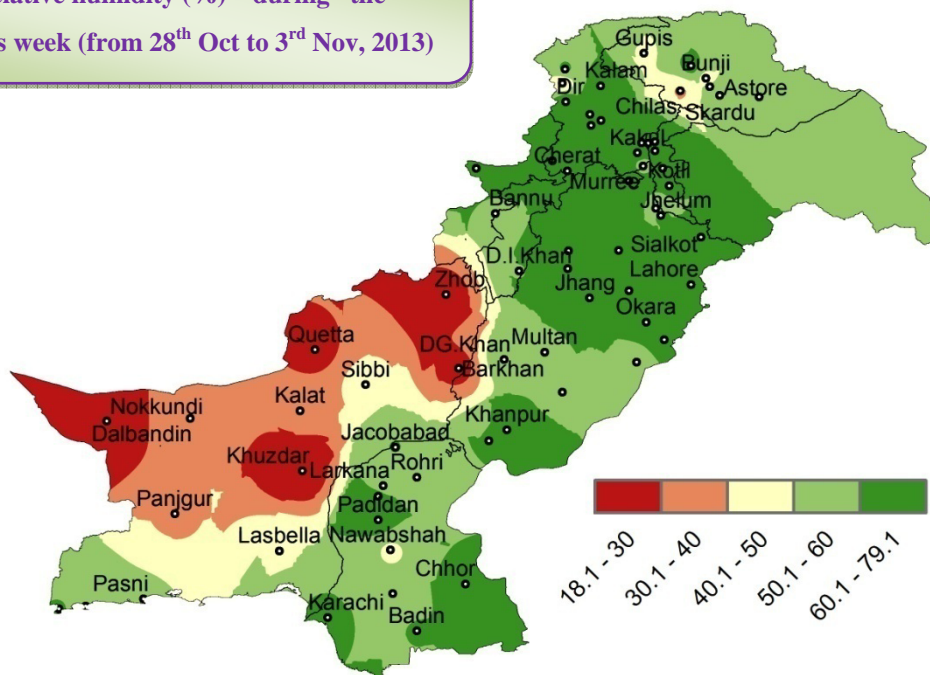
Mean minimum temperature (°C) during the
Previous week (from 28th Oct to 3rd Nov, 2013)



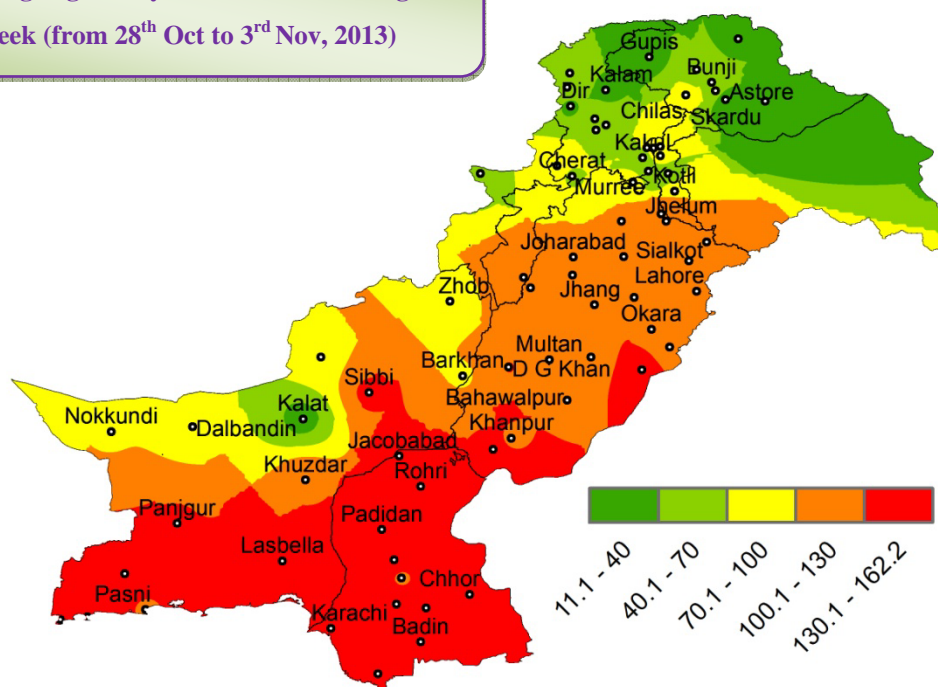
Lowest minimum temperature (°C) during the
Previous week (from 28th Oct to 3rd Nov, 2013)



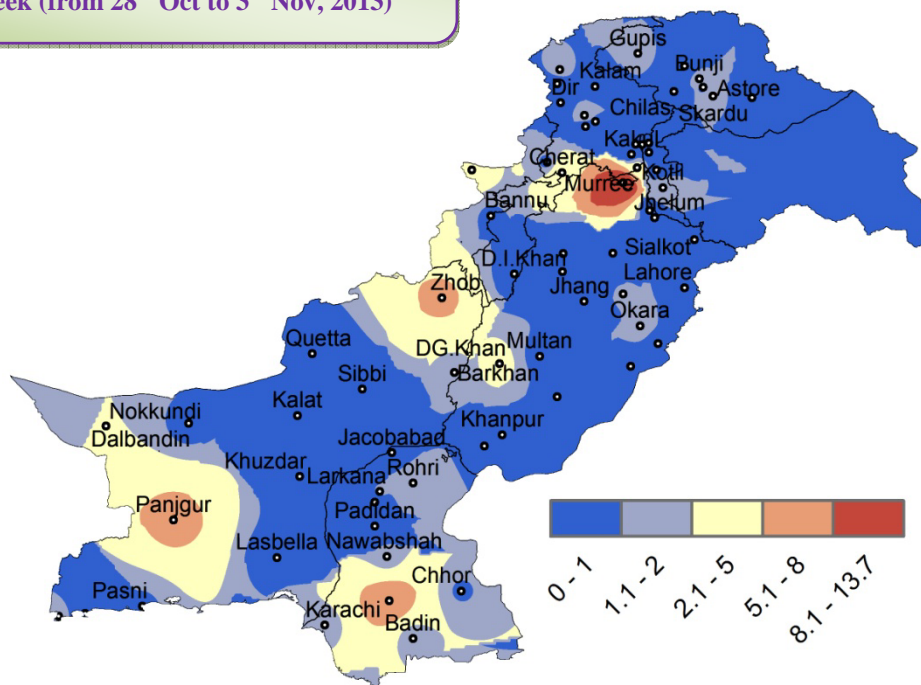
Mean relative humidity (%) during the
Previous week (from 28th Oct to 3rd Nov, 2013)



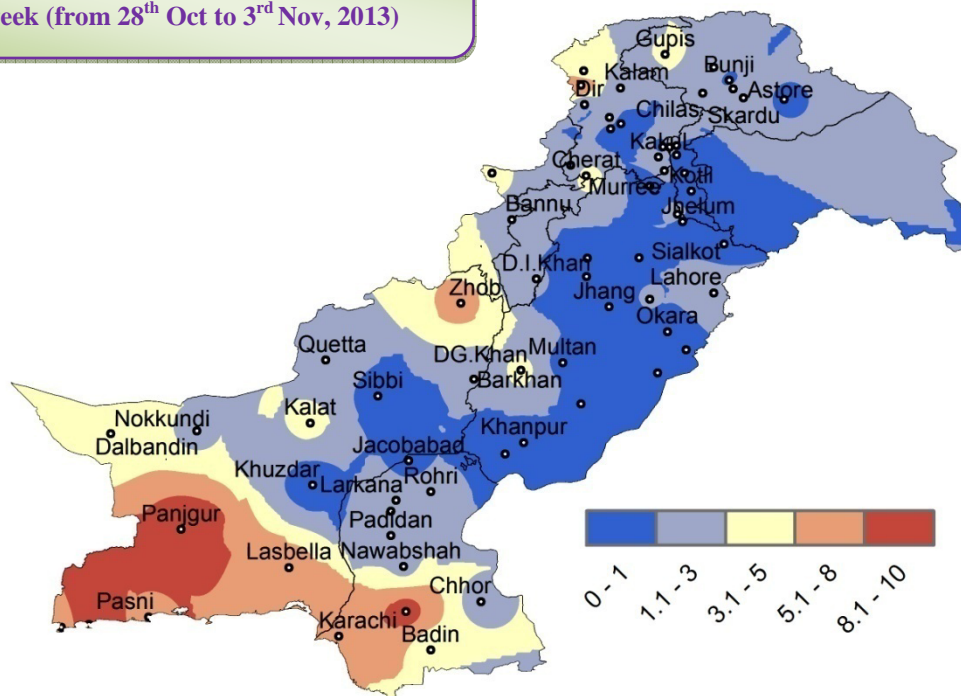
Total growing degree days accumulated during the
Previous week (from 28th Oct to 3rd Nov, 2013)



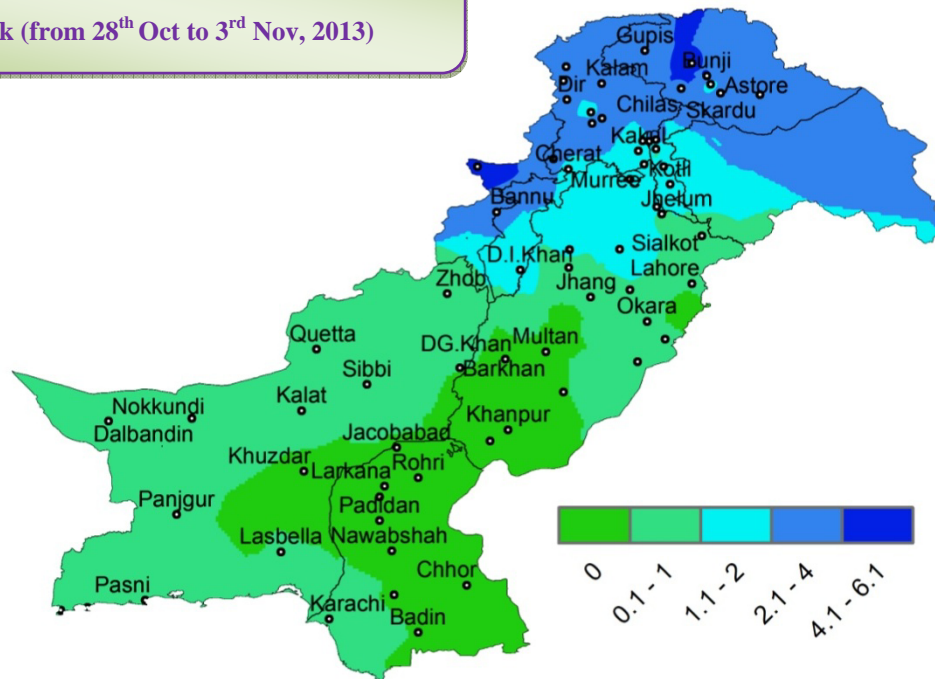
Mean wind speed (Knots) at 0800 PST during the
Previous week (from 28th Oct to 3rd Nov, 2013)



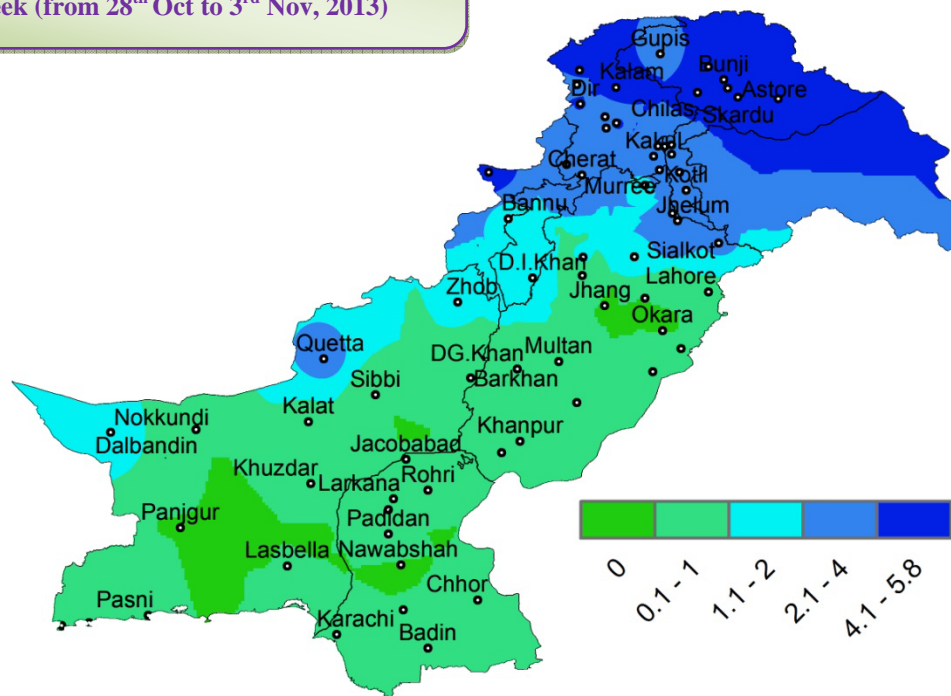
Mean wind speed (Knots) at 1700 PST during the
Previous week (from 28th Oct to 3rd Nov, 2013)



Mean Cloudiness (Oktas) at 0800PST during the
Previous week (from 28th Oct to 3rd Nov, 2013)



Mean Cloudiness (Oktas) at 1700PST during the
Previous week (from 28th Oct to 3rd Nov, 2013)



Weekly Weather advisory for Farmers**(From 4th to 10th November, 2013)**

A westerly wave is likely to enter in Balochistan tonight and likely to grip upper parts of the country on Tuesday and would affect the upper parts of the country from Tuesday to Thursday.

Punjab including Islamabad:

Rain-thunderstorm is expected at scattered places in Islamabad, Upper Punjab (Rawalpindi, Sargodha, Faisalabad, Lahore and Gujranwala divisions) from Tuesday to Thursday. Isolated rain is expected in south Punjab on Wednesday/Thursday. Isolated snowfall is also expected over the hills on Murree and Galyaat on Wednesday/Thursday.

Khyber Pakhtunkhwa:

Rain-thunderstorm with snowfall over the hills is expected at scattered places in KP from Tuesday to Thursday.

Balochistan:

Rain/Thunderstorm with snowfalls over the hills is expected at scattered places in Northeastern parts of Balochistan (Quetta, Zhob, Sibbi and Kalat divisions) tonight/Tuesday. Whereas cold & dry weather is expected in most parts of the province during the rest of week.

Sindh:

Mainly dry weather is expected in most parts of the province during the week.

Gilgit-Baltistan:

Rain-thunderstorm with snowfall over the hills is expected at scattered places in Gilgit-Baltistan from Tuesday to Thursday.

Kashmir:

Rain-thunderstorm with snowfall over the hills is expected at scattered places in Kashmir from Tuesday to Thursday.

Advises for Crops:

Sugarcane/Cotton: Farmers are advised to manage irrigation practices as per weather prediction during the week.

Wheat: Farmers of rainfed areas are advised to sow their Rabi crops during the period 15th October to 15th November. After this time the yield of wheat crop decreases gradually. Farmers of cotton crop areas are advised to prepare their fields for incoming Rabi crops and complete sowing process before 15th December. After this time the yield of wheat crop decreases gradually. Farmers of wheat growing areas are advised to sow their crops in time to get the optimum yield. The best suitable time for wheat cultivation is 1st November to 20th November.

Vegetables. Farmers are advised to cultivate winter vegetables in time so that present soil moisture may fully be utilized.

General Information: Farmers of rained areas, obtaining crop water through tube wells are advised to schedule the irrigation according to the expected weather mentioned above during the week. It is advised to ensure field sanitation and spray prophylactic fungicidal sprays to prevent spread of diseases on vegetables. Farmers should also free the crops from excess of weeds after recent rains especially in the upper half of the country

National Weather Data of Selected Cities
(Weekly Data from 28th Oct to 3rd Nov, 2013)

Stations	Minimum/Day Temperature (°C)		Growing Deg. Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Oktas) 0800PST	Cloudiness (Oktas) 1700PST	Wind Speed (Knots) 0800PST	Wind Speed (Knots) 1700PST
	Mean	Lowest							
ASTORE	0.6	-2.0	10.5	57	3.1	3.0	5.0	1.4	2.9
BADIN	21.2	19.5	156.0	61	0.0	0.0	0.3	1.1	3.1
B.NAGAR	17.4	15.0	138.0	55	0.0	0.1	0.1	0.9	0.9
BAHAWALPUR	15.1	12.7	128.8	59	***	0.0	0.4	0.3	0.6
BALAKOT	8.1	5.7	72.8	63	13.0	1.6	3.4	0.3	0.3
BANNU	12.3	9.8	***	55	0.1	2.1	1.3	0.9	2.9
BARKHAN	11.2	9.0	97.3	25	0.0	0.0	0.7	1.4	1.4
BUNJI	9.2	5.6	68.8	47	0.0	4.4	5.9	1.4	0.0
CHERAT	10.8	9.0	64.2	62	1.1	1.1	2.6	4.6	3.7
CHHOR	18.5	15.2	153.4	68	0.0	0.0	0.1	0.9	2.3
CHILAS	11.3	10.0	81.0	39	0.1	3.9	4.4	0.3	2.0
CHITRAL	3.3	1.4	45.3	62	3.0	2.0	4.3	1.7	2.9
D.I.KHAN	13.6	12.0	114.2	60	0.1	1.3	1.9	0.3	1.1
DALBANDIN	5.9	3.5	88.3	40	0.0	0.6	0.0	0.6	2.6
D.G.KHAN	16.7	15.5	130.5	58	0.0	0.0	0.3	2.6	3.4
DIR	1.9	0.0	34.0	71	7.1	2.4	4.1	0.0	0.6
DROSH	3.1	1.0	67.3	38	1.1	2.4	3.6	0.0	8.1
FAISALABAD	16.2	12.1	127.1	51	0.1	1.4	0.9	0.2	0.3
GARHI DOPATTA	10.6	9.0	90.8	63	0.0	0.7	1.6	0.0	0.0
GAWADAR	18.4	16.0	150.3	58	0.0	0.4	0.4	0.0	10.0
GILGIT	3.8	1.0	49.8	65	0.1	4.4	4.4	0.0	3.1
GUPIS	2.5	1.5	25.0	49	0.0	3.4	3.6	1.4	3.1
HYDERABAD	20.6	17.5	156.8	51	0.0	0.0	0.0	8.0	9.1
ISLAMABAD A/P	13.0	10.5	***	72	5.0	1.0	1.7	13.7	0.0
JACOBABAD	17.0	15.0	137.3	60	0.0	0.0	0.0	0.3	0.6

JHANG	14.2	12.0	119.5	69	0.1	0.0	0.0	0.0	0.0
JHELUM	13.8	10.8	115.8	61	0.1	0.6	2.3	0.6	0.6
JIWANI	23.9	22.5	162.3	60	0.0	0.0	0.4	1.4	6.6
JOHARABAD	13.1	9.5	115.6	71	***	1.4	1.1	0.0	0.3
KAKUL	6.5	5.0	50.6	65	8.0	1.1	2.3	0.3	1.4
KALAM	0.0	-1.5	33.0	68	17.0	3.9	5.1	0.0	1.1
KALAT	-0.6	-4.0	28.8	34	0.0	0.0	0.7	0.0	3.4
KARACHI A/P	22.3	18.0	161.1	63	0.0	0.9	1.0	1.4	7.1
KHANPUR	14.9	12.6	128.3	63	0.0	0.0	0.7	0.3	0.3
KHUZDAR	17.9	16.5	124.5	19	0.0	0.0	0.0	0.0	0.0
KOTLI	11.8	10.0	99.3	61	6.0	2.0	3.3	2.0	0.3
LAHORE PBO	15.4	12.5	120.0	62	0.1	0.0	0.6	0.7	2.0
LARKANA	19.5	17.5	***	57	0.0	0.0	0.9	1.1	1.7
LASBELA	18.2	15.5	153.5	50	0.0	0.0	0.0	0.3	6.0
LOWER DIR	9.5	8.5	55.8	60	0.0	1.3	1.7	2.0	2.6
M.BAHU-DIN	15.4	11.5	119.4	68	0.0	1.6	1.9	0.0	0.9
MALAM JABBA	3.1	1.5	46.1	62	10.0	3.3	4.3	0.9	0.0
MANGLA	12.5	9.4	109.4	58	0.0	1.7	2.1	0.6	1.4
MIRKHANI	11.9	6.0	62.6	51	2.0	0.9	3.9	0.9	2.6
MOIN-JO-DARO	16.6	13.5	***	62	0.0	0.0	0.3	0.3	1.7
MULTAN	16.6	14.3	126.8	58	0.0	0.0	0.7	0.6	0.6
MURREE	6.1	4.5	44.2	56	7.0	1.4	3.0	2.9	1.7
MUZAFFARABAD	9.6	7.2	84.0	60	11.0	2.3	3.4	0.9	2.4
BENAZIRABAD	17.4	13.0	***	49	0.0	0.0	0.0	1.3	2.6
NOKKUNDI	13.5	11.1	99.3	18	0.0	0.0	1.6	2.0	3.4
NOORPUR THAL	13.4	11.0	127.0	67	0.0	0.0	0.0	0.0	0.3
OKARA	16.1	13.4	127.9	64	0.0	0.0	0.0	1.1	0.3
PADIDAN	17.9	14.5	143.5	66	0.0	0.0	0.0	0.3	1.4
PANJGUR	12.9	10.5	131.8	38	0.0	0.0	0.0	6.0	10.0
PARACHINAR	4.9	4.0	55.5	79	73.0	6.1	5.4	3.3	3.3

PASNI	19.3	16.5	127.5	51	0.0	0.9	0.0	0.9	7.4
PATTAN	10.0	9.5	79.0	72	25.0	2.4	3.9	0.0	0.9
PESHAWAR CITY	11.7	8.2	96.7	73	11.0	3.5	2.4	0.7	1.1
QUETTA	3.3	1.5	46.3	27	0.0	0.9	2.1	1.8	3.3
RAWALPINDI	11.2	9.5	95.3	68	2.0	0.8	1.7	0.6	0.9
R. YAR KHAN	16.2	13.8	137.0	60	0.0	0.0	0.3	0.9	0.6
RAWALAKOT	13.0	0.5	43.5	68	4.1	1.3	3.7	0.0	0.3
ROHRI	18.7	16.0	141.3	51	0.0	0.0	0.0	1.7	1.4
SAHIWAL	14.4	12.0	121.3	64	0.0	0.0	0.0	0.9	0.9
SAIDU SHARIF	7.9	6.1	66.1	67	10.0	2.7	4.0	0.0	0.6
SIALKOT A/P	14.6	12.1	113.0	62	4.0	0.9	2.1	0.6	0.6
SIBBI	15.4	13.0	136.8	46	0.0	0.6	0.0	0.0	0.0
SKARDU	-0.6	-4.6	15.8	53	0.0	2.7	4.0	0.0	0.6
TANDOJAM	18.9	14.0	151.8	55	0.0	0.0	0.0	0.2	0.6
U.MUHAMMAD	19.3	18.5	146.8	72	0.0	0.8	0.8	0.1	0.1
Zhob	9.7	7.0	85.0	23	0.0	5.6	5.6	0.3	1.1

*** Shows that data was not available.