

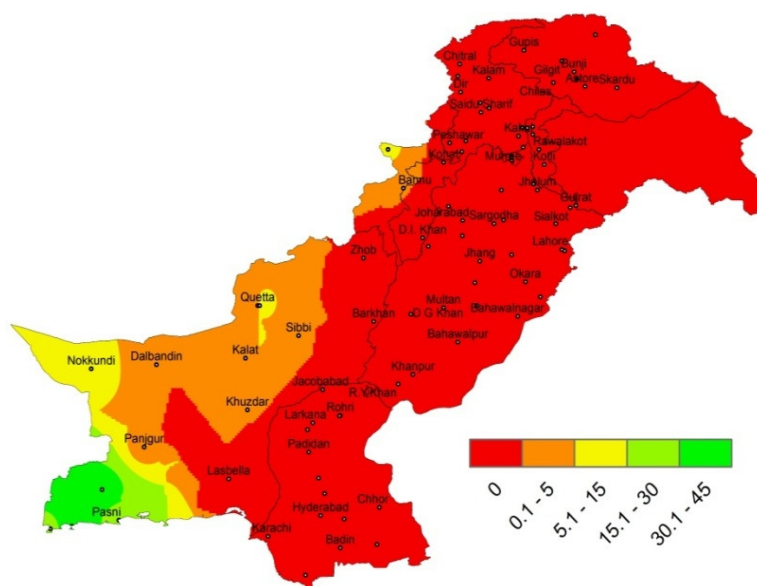
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the
Previous week (from 18th to 24th November, 2013)**



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Editor: Khalida Noureen (Meteorologist)

Highlights of Past Weather (from 18th to 24th November, 2013)

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

- Light to moderate rainfall reported at few places in Balochistan.
- Light rainfall reported at an isolated place in Khyber Pakhtunkhwa.
- Mostly dry weather was reported in Sindh, Punjab and Gilgit Baltistan & Kashmir regions.

Past Weather of Provinces (from 18th to 24th**November, 2013)****Punjab**

Dry weather was reported in Punjab during the week. Weekly maximum and minimum temperatures recorded 27.1°C & 9.8°C respectively. For the present season average 94.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 65% and wind speed in the morning/evening recorded 0.5/0.6 Knots. The lowest minimum temperature was recorded 0.5°C at Islamabad.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 31.0°C & 14.9°C respectively. For the present season average 125.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 59% and wind speed in the morning/evening recorded 1.0/2.7 Knots. The lowest minimum temperature was recorded 8.7°C at Mithi.

Khyber Pakhtunkhwa

Light rainfall reported in Khyber Pakhtunkhwa province during the week. Weekly maximum and minimum temperatures recorded 21.1°C & 4.8°C respectively. For the present season average 58.7 growing degree days accumulated by the end of last week. Average relative humidity recorded 55% and wind speed in the morning/evening recorded 0.9/1.3 Knots. The highest amount of rainfall was reported at Parachinar 6.0mm and lowest minimum temperature recorded -3.2°C at Parachinar.

Balochistan

Light to moderate rainfall reported at few places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 25.5°C & 10.1°C respectively. For the present season average 101.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 49% and wind speed in the morning/evening recorded 1.8/3.0 Knots. During the previous week highest amount of rainfall reported at Gawader 45.0mm and lowest minimum temperature recorded -3.0°C at Kalat.

Gilgit Baltistan and Azad Jammu & Kashmir

Dry weather was reported in Gilgit Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 18.9°C & 2.0°C respectively. For the present season average 46.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 53% and wind speed in the morning/evening recorded 0.6/0.5 Knots. The lowest minimum temperature recorded -8.5°C at Skardu.

**Past Weather for Major Agricultural-
Plains (from 18th to 24th November, 2013)**

Rawalpindi (Potohar region)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/1.6 Oktas while, average relative humidity observed 60%. Mean night time temperature recorded 6.0°C & for the present season 74.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.4 Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.9/2.7 Oktas while, average relative humidity observed as 57%. Mean night time temperature recorded 9.5°C & for the present season 97.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.2 Knots.

Tandojam (Lower Singh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.4/0.4 Oktas while, average relative humidity observed as 65%. Mean night time temperature recorded 15.0°C & for the present season 126.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.8 Knots.

Quetta (Northern Balochistan)

Rainfall reported as 9.0mm during the week; however cloudiness in the morning/evening recorded 3.3/3.7 Oktas while, average relative humidity observed as 49%. Mean night time temperature recorded 3.5°C & for the present season 36.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/2.9 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.4/1.6 Oktas while, average relative humidity observed as 68%. Mean night time temperature recorded 13.6°C & for the present season 115.8 growing degree days accumulated by the end of last week.

**Past Weather for Sub-Regional Agricultural
Plains (from 18th to 24th November, 2013)**

Rohri

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.0/1.3 Oktas while, average relative humidity observed as 54%. Mean night time temperature recorded 15.6°C & for the present season 121.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/3.0 Knots.

Multan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.7/2.1 Oktas while, average relative humidity observed as 62%. Mean night time temperature recorded 12.2°C & for the present season 105.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.9 Knots.

Lahore

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.3/1.9 Oktas while, average relative humidity observed as 65%. Mean night time temperature recorded 10.3°C & for the present season 95.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.9 Knots.

Zhob

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.9/2.6 Oktas while, average relative humidity observed as 46%. Mean night time temperature recorded 5.6°C & for the present season 58.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/5.6 Knots.

D.I. Khan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.4/1.7 Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded 9.6°C & for the present season 94.9 growing degree days accumulated by the end of last week.

Peshawar

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.5/3.3 Oktas while, average relative humidity observed as 74%. Mean night time temperature recorded 7.4°C & for the present season 87.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.0 Knots.

Murree

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.1/2.0 Oktas while, average relative humidity observed as 35%. Mean night time temperature recorded 8.0°C & for the present season 56.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/1.1 Knots.

Kalam

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.0/2.6 Oktas while, average relative humidity observed as 52%. Mean night time temperature recorded -0.2°C & for the present season 21.0 growing degree days accumulated by the end of last week.

Gilgit

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.3/3.1 Oktas while, average relative humidity observed as 70%. Mean night time temperature recorded -1.1°C & for the present season 23.8 growing degree days accumulated by the end of last week.

Skardu

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.3/2.1 Oktas while, average relative humidity observed as 56%. Mean night time temperature recorded -5.3°C by the end of last week.

**Crop Situation for Major Agricultural Plains
(Based on data from Regional Agromet Centres)****Potohar Region (Rawalpindi)**

There is presently no crop in the fields of RMC Rawalpindi.

Central Punjab (Faisalabad)

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

Wheat: Good condition at *Emergent* stage.

Lower Sindh (Tandojam)

There is presently one crop (irrigated condition) grown in the fields of RMC Tandojam.

Wheat: Good condition at *Germination* stage.

Northern Balochistan (Quetta)

There is presently no crop in the fields of RMC Quetta.

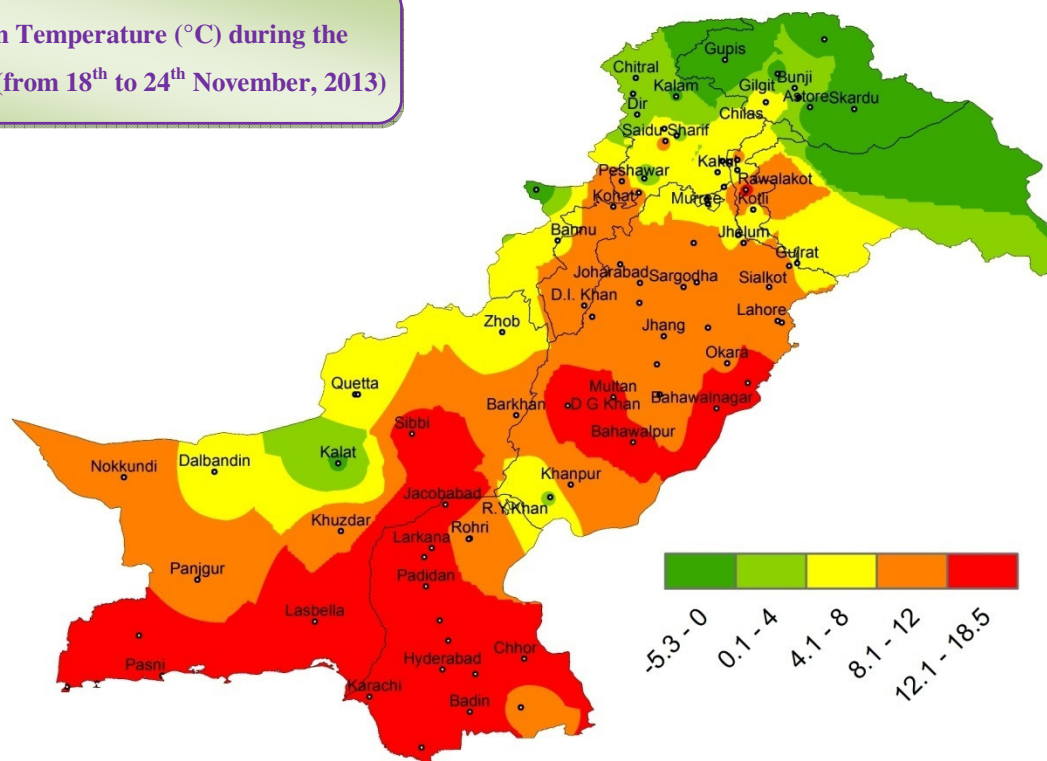
Eastern Balochistan (Usta Muhammad)

There are two crops (irrigated conditions) present in the fields of RMC Usta Muhammad as detailed below.

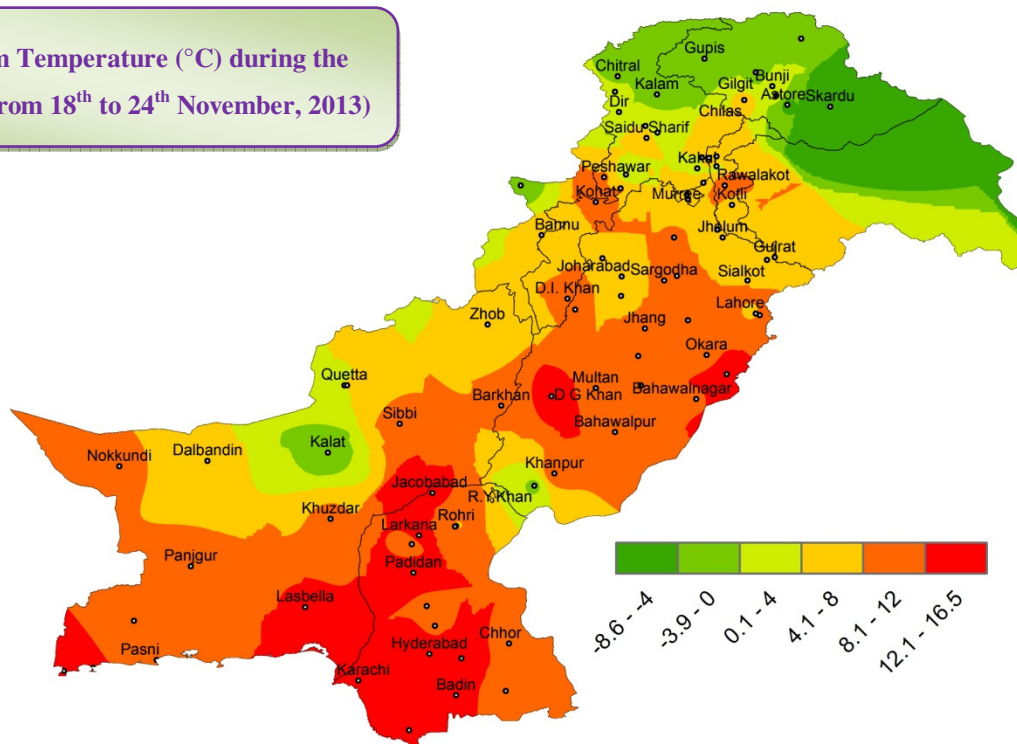
Rice: Good condition at *Threshing* stage.

Wheat: Fields are ready for the crop.

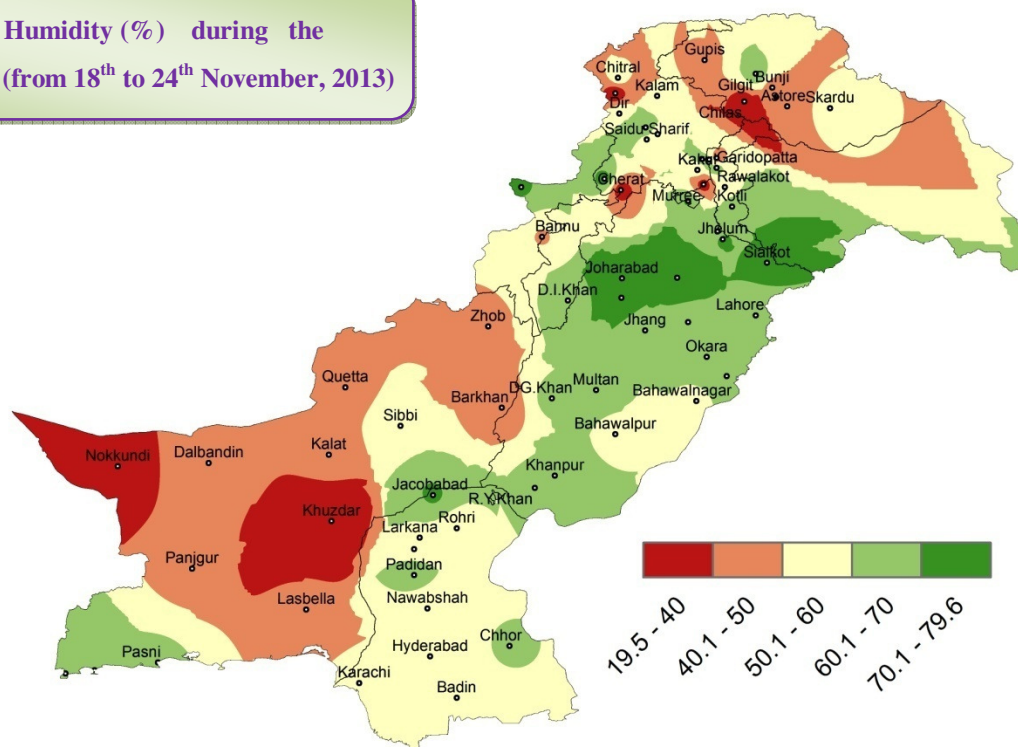
Mean Minimum Temperature (°C) during the
Previous week (from 18th to 24th November, 2013)



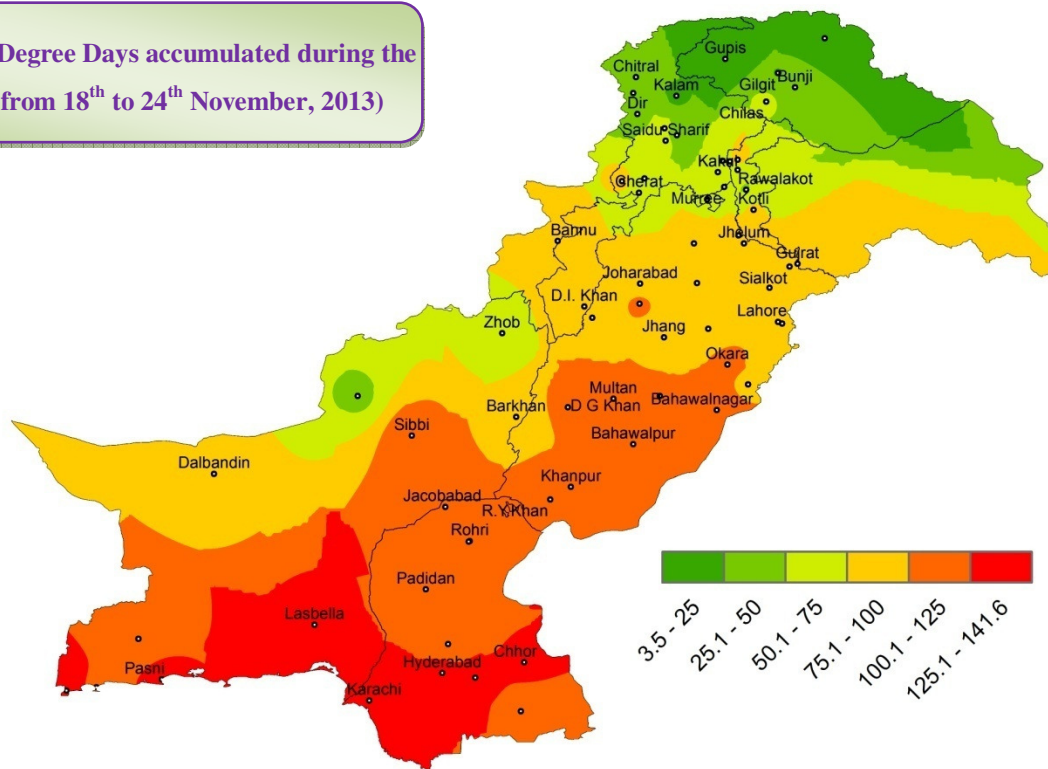
Lowest Minimum Temperature (°C) during the
Previous week (from 18th to 24th November, 2013)



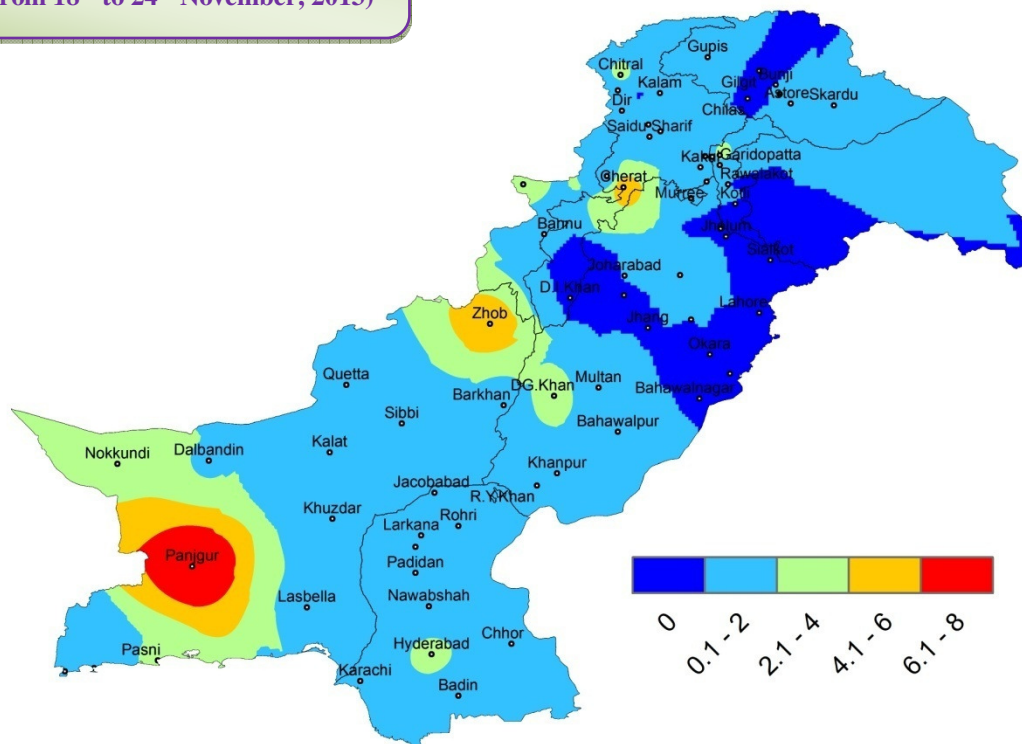
Mean Relative Humidity (%) during the
Previous week (from 18th to 24th November, 2013)



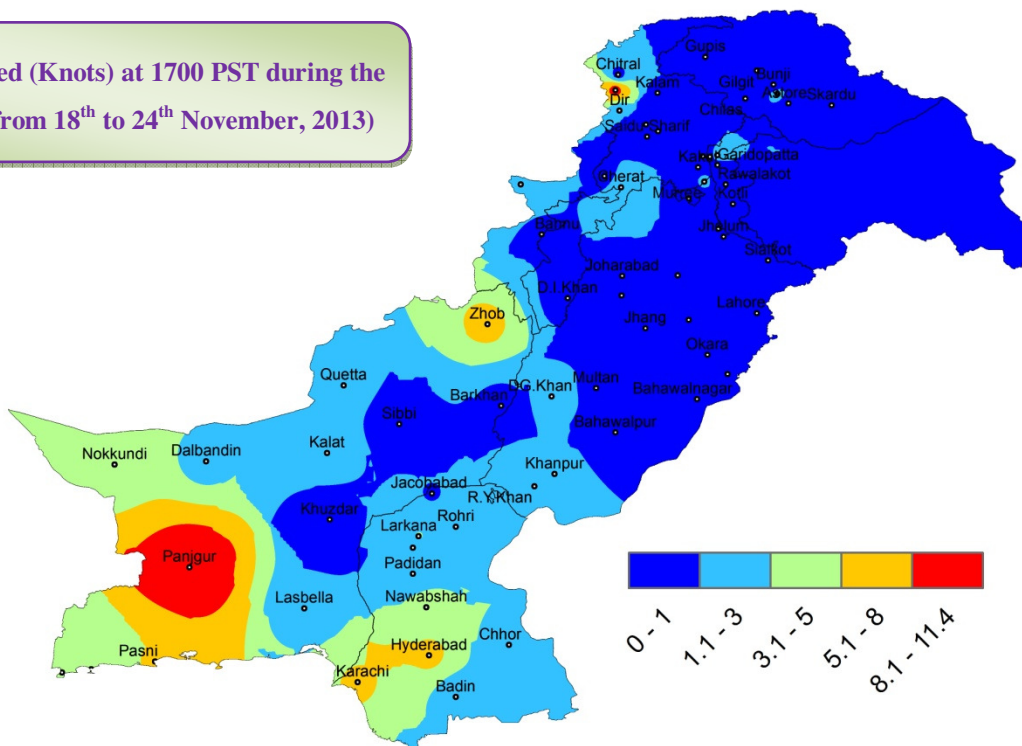
Total Growing Degree Days accumulated during the
Previous week (from 18th to 24th November, 2013)



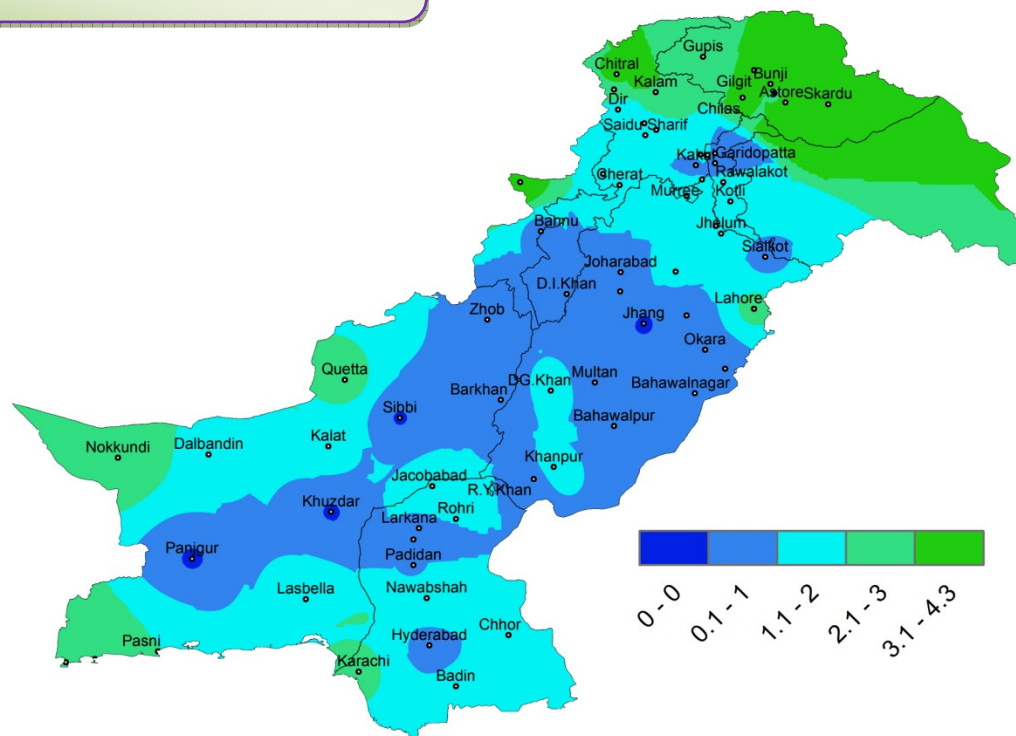
Mean Wind Speed (Knots) at 0800 PST during the
Previous week (from 18th to 24th November, 2013)



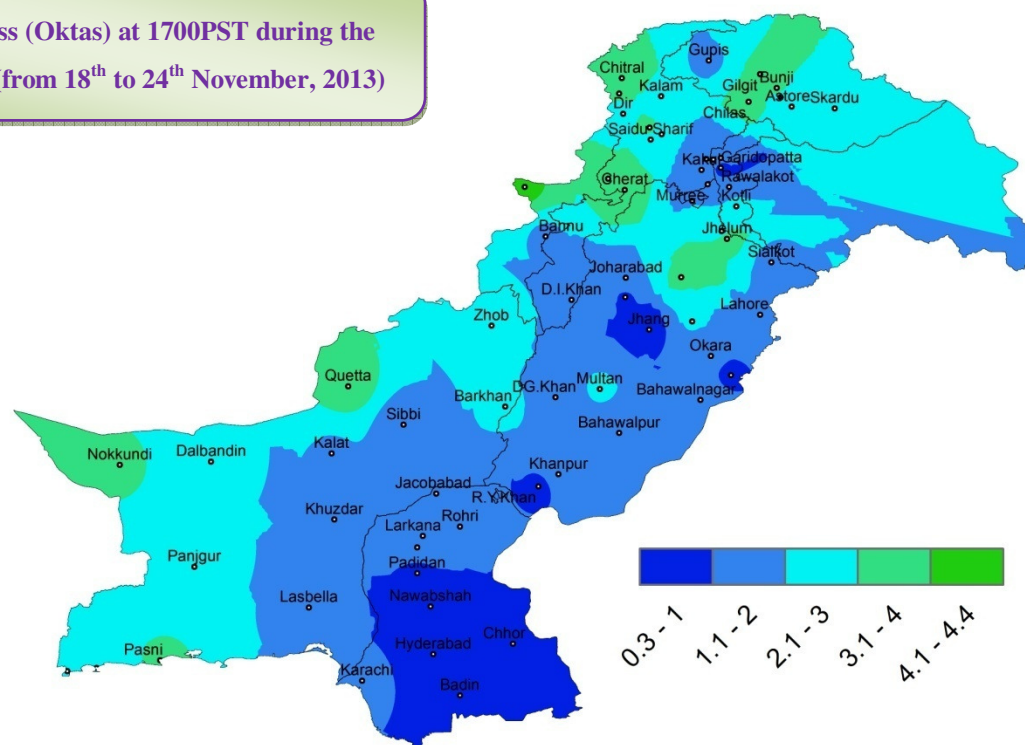
Mean Wind Speed (Knots) at 1700 PST during the
Previous week (from 18th to 24th November, 2013)



Mean Cloudiness (Oktas) at 0800PST during the
Previous week (from 18th to 24th November, 2013)



Mean Cloudiness (Oktas) at 1700PST during the
Previous week (from 18th to 24th November, 2013)



Weekly Weather advisory for Farmers
(From 25th November to 1st December, 2013)

Continental air would prevail over most parts of the country during the week.

Punjab including Islamabad

Cold and dry weather is expected in most parts of the province during the week. Shallow fog/misty conditions are expected to prevail over the plains of Northeast Punjab (Gujranwala and Lahore division) during the weekend.

Khyber Pakhtunkhwa

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

Balochistan

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

Sindh

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

Gilgit-Baltistan

Very cold and dry weather with partly cloudy conditions at times is expected in most parts of Gilgit-Baltistan during the week.

Kashmir

Very cold and dry weather is expected in most parts of Kashmir during the week.

Advises for Crops

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

Wheat: 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.

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.

National Weather Data of Selected Cities
(Weekly Data from 18th to 24th November, 2013)

Stations	Minimum/Night Temperature (°C)		Growing Degree Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Oktas) 0800PST	Cloudiness (Oktas) 1700PST	Wind Speed (Knots) 0800PST	Wind Speed (Knots) 1700PST
	Mean	Lowest							
Astore	-2.8	-5.7	***	41	0.0	3.4	2.3	0.6	0.6
Badin	15.8	13.0	***	56	0.0	1.1	0.6	1.1	1.7
Bahawalnagar	12.7	11.8	110.6	58	0.0	1.0	1.6	0.0	0.9
Bahawalpur	12.2	11.7	111.9	59	0.0	0.7	1.4	0.3	0.3
Balakot	4.8	3.7	62.5	62	0.0	1.1	1.4	0.0	0.0
Bannu	7.8	6.6	87.3	49	0.0	0.6	1.7	0.0	0.6
Barkhan	9.1	8.5	77.3	41	0.0	0.4	2.3	0.9	0.3
Bunji	4.0	1.9	40.7	46	0.0	3.7	3.7	0.0	0.6
Cherat	9.3	8.5	60.0	34	0.0	1.3	3.3	5.4	2.9
Chhor	12.5	10.7	126.8	61	0.0	1.6	0.3	0.6	1.7
Chilas	5.9	5.0	55.2	33	0.0	3.0	3.4	0.0	0.3
Chitral	1.1	-0.9	39.4	56	0.0	3.4	3.9	2.6	0.0
DG.Khan	13.7	13.4	108.9	63	0.0	1.3	1.3	2.9	1.4
D.I.Khan	9.6	8.5	94.9	67	0.0	0.4	1.7	0.0	0.0
Dalbandin	6.0	5.0	81.5	49	0.0	1.9	2.3	1.7	2.3
Dir	0.9	0.0	39.3	59	0.0	1.1	2.7	0.0	0.9
Drosh	2.2	1.5	38.6	30	0.0	2.7	3.0	0.0	9.6
Faisalabad	9.9	9.5	95.0	65	0.0	0.3	2.1	0.0	0.9
Garidopatta	3.3	2.5	54.5	65	0.0	0.0	0.6	0.0	0.6
Gawader	14.1	12.0	122.8	64	45.0	2.7	2.1	0.6	3.4
Gilgit	-1.1	-2.5	23.8	70	0.0	3.3	3.1	0.0	0.0
Gupis	-3.6	-4.0	3.5	48	0.0	2.1	1.7	2.0	0.3

Hyderabad	17.9	16.5	134.5	52	0.0	0.7	0.3	2.3	5.4
Islamabad	6.1	5.0	74.4	71	0.0	1.5	2.0	0.0	0.0
Jacobabad	15.0	14.0	122.5	72	0.0	1.6	1.1	0.3	0.9
Jhang	9.5	9.0	93.9	65	0.0	0.0	0.6	0.0	0.0
Jhelum	8.3	7.2	88.4	72	0.0	1.6	3.6	0.0	0.0
Jiwani	18.5	14.0	132.3	62	24.0	2.4	2.9	1.7	4.9
Joharabad	8.2	6.4	90.8	73	0.0	0.9	2.0	0.0	0.3
Kakul	4.4	3.0	56.6	54	0.0	0.7	1.7	0.0	0.9
Kalam	-0.2	-2.0	21.0	52	0.0	3.0	2.6	0.0	0.0
Kalat	-0.3	-3.0	***	47	5.0	1.7	1.8	0.3	2.0
Karachi	17.7	15.5	141.7	52	0.0	2.3	1.4	0.9	5.1
Khanpur	12.0	11.2	110.5	64	0.0	1.1	1.3	0.9	1.1
Khuzdar	11.8	9.0	***	19	0.0	0.0	1.7	0.0	0.0
Kotli	7.3	6.4	78.6	66	0.0	2.0	2.4	0.0	0.6
Lahore	10.3	9.0	95.0	65	0.0	2.3	1.9	0.0	0.9
Larkana	15.5	14.0	***	57	0.0	0.9	1.0	1.4	3.1
Lasbella	13.8	12.5	132.8	43	0.0	1.9	1.4	1.4	1.4
Lower Dir	4.7	3.5	57.5	70	0.0	1.6	3.3	0.3	0.0
Malam Jabba	2.6	0.5	23.8	53	0.0	2.0	2.1	1.7	0.6
M.B Din	10.2	8.5	90.2	80	0.0	1.3	3.3	0.6	0.3
Mangla	7.4	6.1	85.0	63	0.0	1.6	2.6	0.0	0.9
Mir Khani	3.3	2.0	***	41	0.0	2.6	2.1	0.0	1.3
Moinjodaro	12.8	10.0	***	60	0.0	1.0	1.3	1.3	1.1
Multan	12.2	11.0	105.4	62	0.0	0.7	2.1	0.6	0.9
Murree	8.0	6.5	56.3	35	0.0	1.1	2.0	1.7	1.1
Muzaffarabad	7.3	6.2	71.7	64	0.0	1.4	2.1	0.6	0.4

Nokkundi	11.6	8.6	***	33	9.0	2.9	3.1	3.7	3.7
Noorpurthal	8.7	7.5	102.7	74	0.0	0.6	0.9	0.0	0.0
Okara	11.4	10.5	102.8	63	0.0	0.4	1.1	0.0	0.3
Padidan	14.9	14.0	121.0	62	0.0	0.9	0.9	0.3	1.7
Panjgur	10.2	9.0	***	43	0.0	0.0	2.6	8.0	11.4
Parachinar	-1.9	-3.2	***	71	6.0	4.3	4.4	3.0	3.0
Pasni	16.1	11.4	128.5	62	21.0	2.0	3.1	2.3	5.1
Pattan	9.4	7.0	85.5	39	0.0	0.6	1.1	3.4	1.7
Peshawar	9.6	8.5	80.1	74	0.0	1.5	3.3	0.3	0.0
Quetta	5.1	2.5	***	48	0.0	2.4	3.8	0.0	1.6
R.Y.Khan	3.3	-1.0	117.1	62	0.0	0.9	0.9	1.7	2.0
Rawalakot	13.4	12.2	48.9	54	0.0	1.6	1.3	0.0	0.3
Rohri	5.5	4.0	121.5	54	0.0	1.0	1.3	1.1	2.3
Saidu Sharif	9.9	8.0	61.8	58	0.0	1.3	2.9	0.0	0.0
Sialkot	8.9	7.1	82.6	72	0.0	0.7	1.6	0.0	0.0
Sibbi	14.2	10.1	122.2	54	0.0	0.0	1.1	0.0	0.0
Skardu	-5.3	-8.6	***	56	0.0	3.3	2.1	0.0	0.0
Zhob	5.6	4.0	58.5	46	0.0	0.9	2.6	5.0	5.6

*** Shows that data was not available.