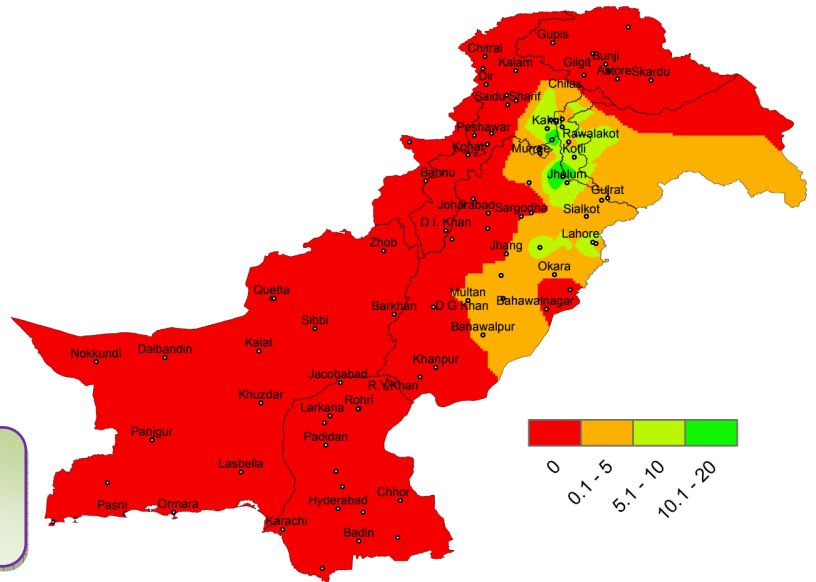


Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the
Previous Week (From 10th to 16th February, 2014)**

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Highlights of Past Weather (From 10th to 16th February, 2014)

Mainly cold weather was 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 Punjab and Gilgit-Baltistan & Kashmir regions.
- Light to moderate rainfall reported at isolated places in Khyber Pakhtunkhwa.
- Dry weather was reported in Balochistan and Sindh.

Patron-in-Chief: Arif Mahmood (Director General)
Chief Editor: Dr. Khalid Mahmood Malik (Director)
Editor: Khalida Noureen (Meteorologist)

Past Weather of Provinces (From 10th to 16th February, 2014)

Punjab

Light to moderate rainfall reported at few places in Punjab during the week. Weekly maximum and minimum temperatures recorded 20.3°C & 5.5°C respectively. For the present season average 57.8 growing degree days accumulated by the end of last week. Average relative humidity recorded 65% and wind speed in the morning/evening recorded 0.6/1.7 Knots. During the previous week highest amount of rainfall reported at Mangla 20.1mm and lowest minimum temperature was recorded -3°C at Murree.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 25.0°C & 9.0°C respectively. For the present season average 82.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 48% and wind speed in the morning/evening recorded 1.5/3.9 Knots. During the previous week lowest minimum temperature was recorded 4.0°C at Mithi.

Khyber Pakhtunkhwa

Light to moderate rainfall reported at isolated places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 15.5°C & 1.0°C respectively. For the present season average 29.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 57% and wind speed in the morning/evening recorded 0.7/2.4 Knots. The highest amount of rainfall was reported at Kakul 9.5mm and lowest minimum temperature recorded -13°C at Kalam.

Balochistan

Dry weather was reported in Balochistan during the week. Weekly maximum and minimum temperatures recorded 18.1°C & 2.8°C respectively. For the present season average 51.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 41% and wind speed in the morning/evening recorded 1.7/4.6 Knots. During the previous week lowest minimum temperature recorded -10.0°C at Kalat.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light to moderate rainfall reported at few places in Gilgit-Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 8.6°C & -1.0°C respectively. For the present season average 22.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 55% and wind speed in the morning/evening recorded 0.7/1.2 Knots. During the previous week highest amount of rainfall reported at Muzaffarabad and G. Dopatta 10.0mm and lowest minimum temperature recorded -12.5°C at Astore.

Past Weather for Major Agricultural Plains (From 10th to 16th February, 2014)

Rawalpindi (Potohar region)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.3/1.3 Oktas while, average relative humidity observed 64%. Mean night time temperature recorded 2.9°C & for the present season 40.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.1/1.0 Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.4/1.4 Oktas while average relative humidity observed as 59%. Mean night time temperature recorded 6.0°C & for the present season 58.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.2/1.4 Knots.

Tandojam (Lower Singh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.6/0.9 Oktas while, average relative humidity observed as 52%. Mean night time temperature recorded 7.9°C & for the present season 79.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.4/1.2 Knots.

Quetta (Northern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.6/3.2 Oktas while, average relative humidity observed as 41%. Mean night time temperature recorded 0.7°C by the end of last week. Wind speed recorded in the morning/evening as 0.1/0.3 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; while, average relative humidity observed as 58%. Mean night time temperature recorded 6.6°C & for the present season 72.0 growing degree days accumulated by the end of last week.

Past Weather for Sub-Regional Agricultural Plains (From 10th to 16th February, 2014)

Rohri

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.2/0.0 Oktas while, average relative humidity observed as 54%. Mean night time temperature recorded 10.2°C & for the present season 82.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/3.3 Knots.

Multan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.3/0.3 Oktas while, average relative humidity observed as 59%. Mean night time temperature recorded 7.8°C & for the present season 69.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.3 Knots.

Lahore

Rainfall reported as 4.1mm during the week; however cloudiness in the morning/evening recorded 2.9/3.1 Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded 6.3°C & for the present season 55.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/4.6 Knots.

Zhob

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 40%. Mean night time temperature recorded -0.9°C & for the present season 9.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/5.0 Knots.

D.I. Khan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.8/0.0 Oktas while, average relative humidity observed as 57%. Mean night time temperature recorded 5.3°C & for the present season 58.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/2.0 Knots.

Peshawar

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.8/2.2 Oktas while, average relative humidity observed as 66%. Mean night time temperature recorded 3.8°C by the end of last week. Wind speed recorded in the morning/evening as 1.0/1.3 Knots.

Murree

Rainfall reported as 13.1mm during the week; however cloudiness in the morning/evening recorded 3.7/4.7 Oktas while, average relative humidity observed as 79%. Mean night time temperature recorded -2.0°C by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.7 Knots.

Kalam

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.6/5.0 Oktas while, average relative humidity observed as 64%. Mean night time temperature recorded -10.6°C by the end of last week.

Gilgit

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.7/5.2 Oktas while, average relative humidity observed as 51%. Mean night time temperature recorded -3.2°C by the end of last week. Wind speed recorded in the morning/evening as 0.0/4.8 Knots.

Skardu

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 5.0/6.2 Oktas while, average relative humidity observed as 61%. Mean night time temperature recorded -5.9°C by the end of last week.

Crop Situation for Major Agricultural Plains
(Based on Data from Regional Agromet Centers)

Potohar Region (Rawalpindi)

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

Wheat (Chakwal-97): Good condition at *Tillering* stage.

Central Punjab (Faisalabad)

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

Wheat: Good condition at *Heading* stage.

Lower Sindh (Tandojam)

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

Wheat (PD-1): Good condition at *Milk Maturity* stage.

Northern Balochistan (Quetta)

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

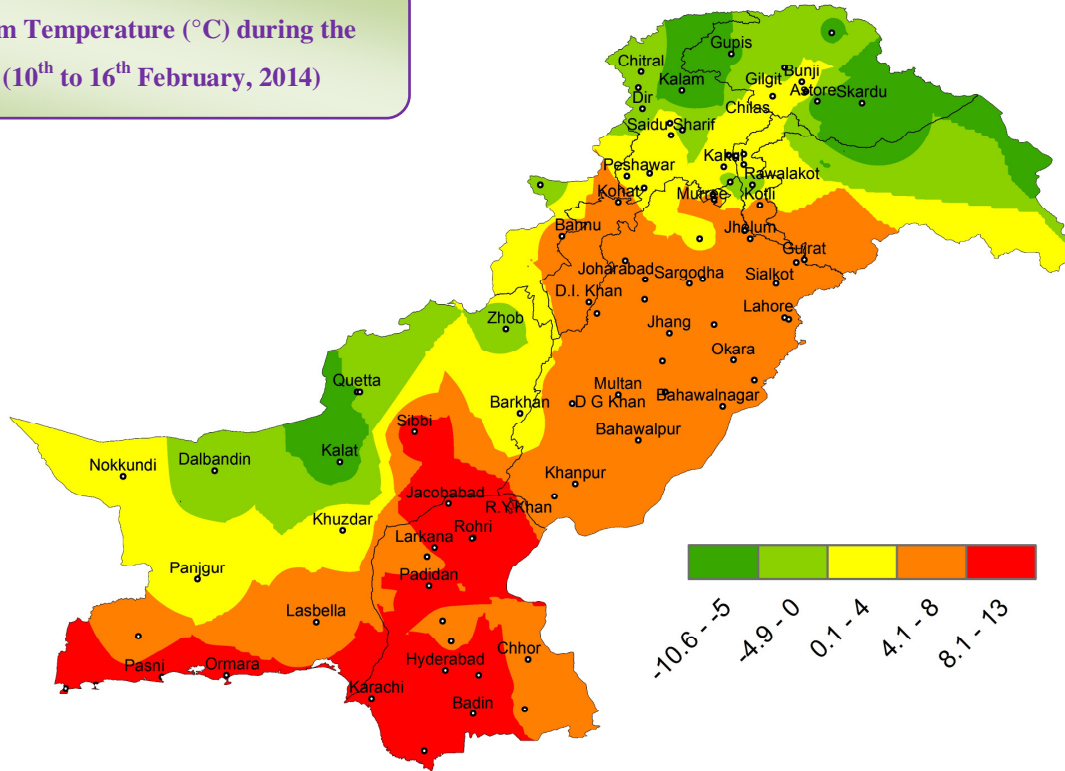
Wheat (Local white): Good condition at *Tillering* stage.

Eastern Balochistan (Usta Muhammad)

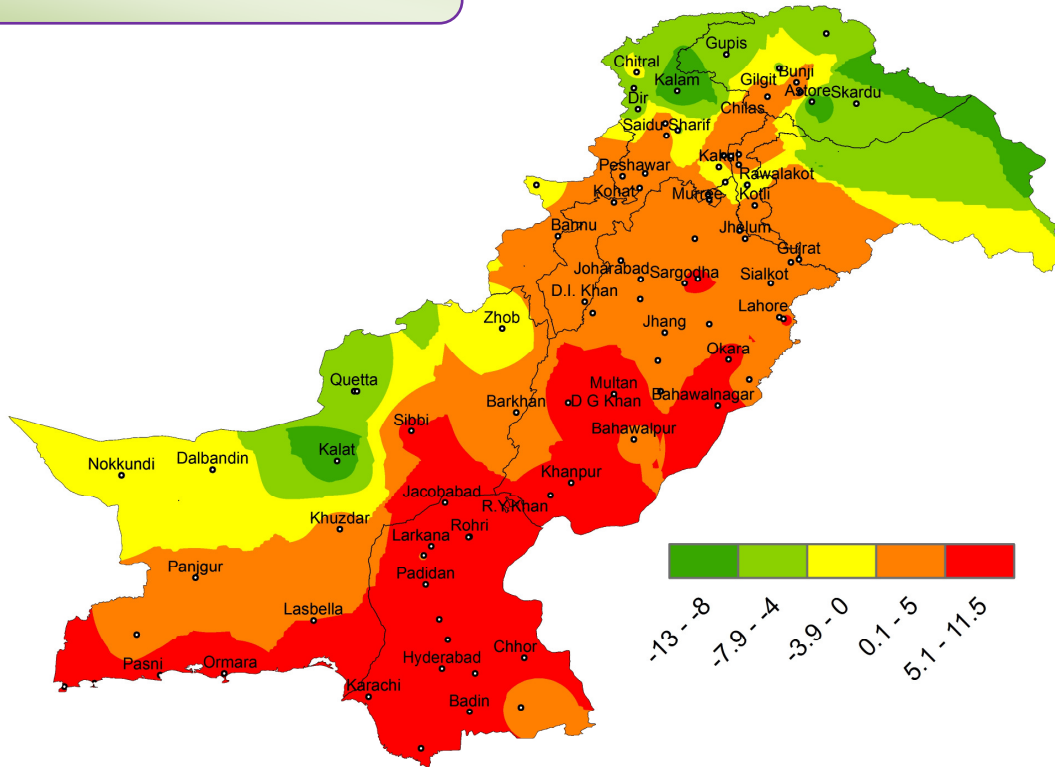
There is presently one crop (irrigated condition) grown in the fields of RMC Usta Muhammad.

Wheat: Good condition at *Germination* stage.

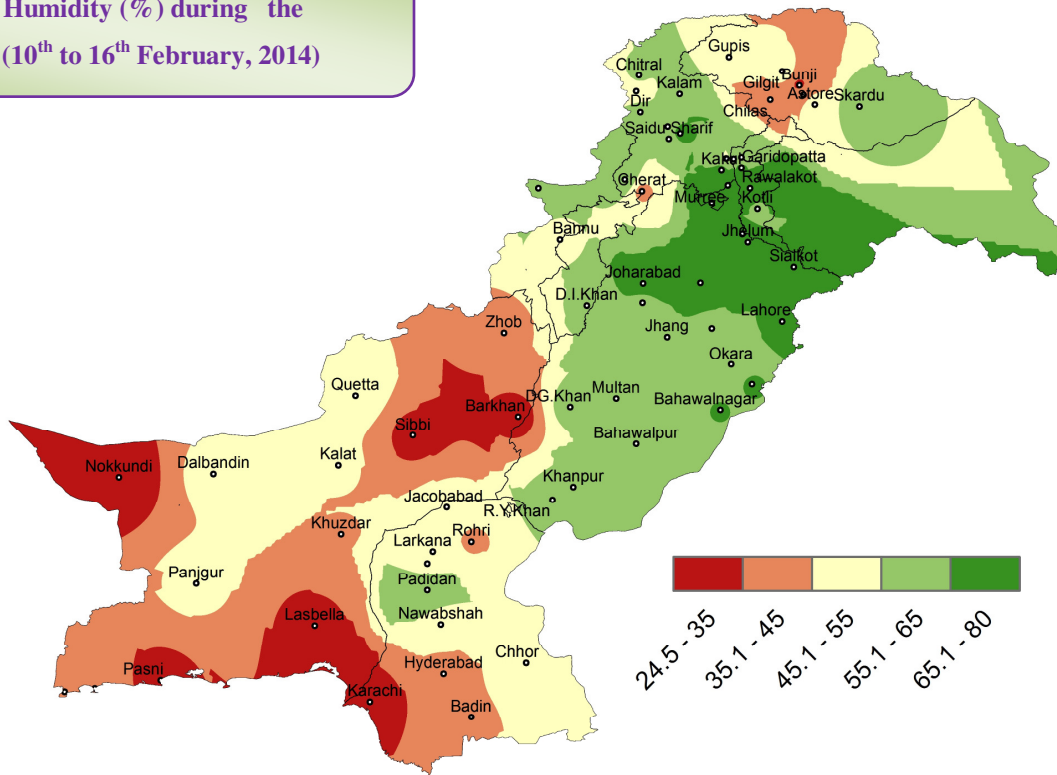
Mean Minimum Temperature (°C) during the Previous week (10th to 16th February, 2014)



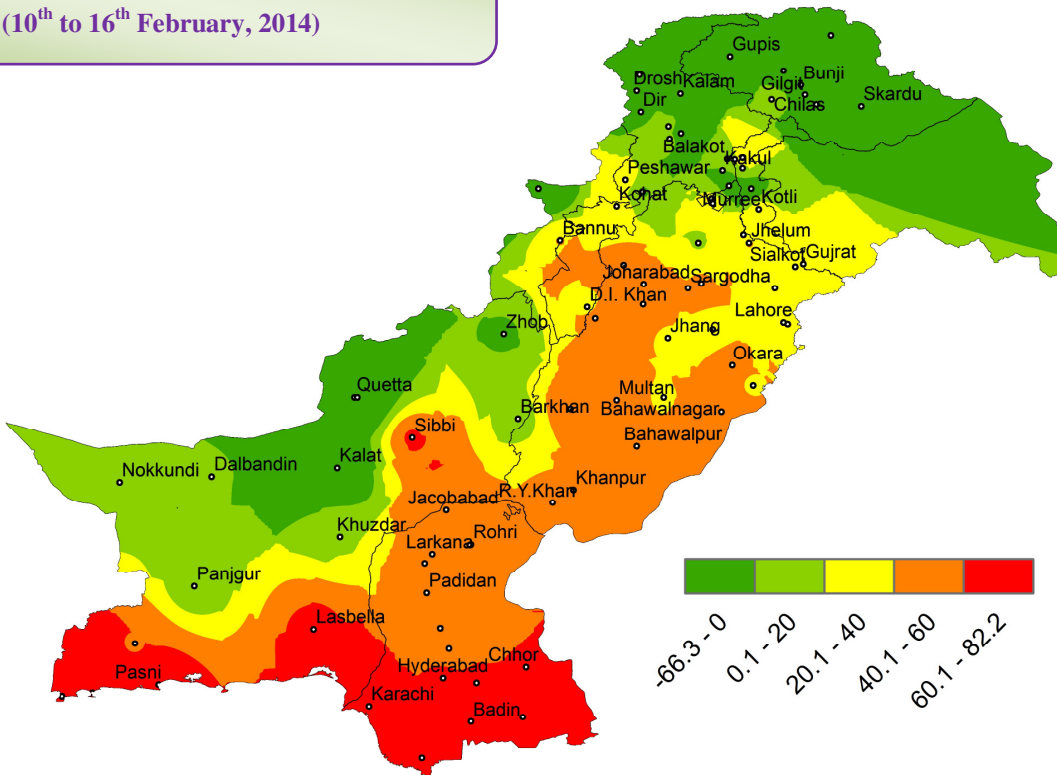
Lowest Minimum Temperature (°C) during the Previous week (10th to 16th February, 2014)



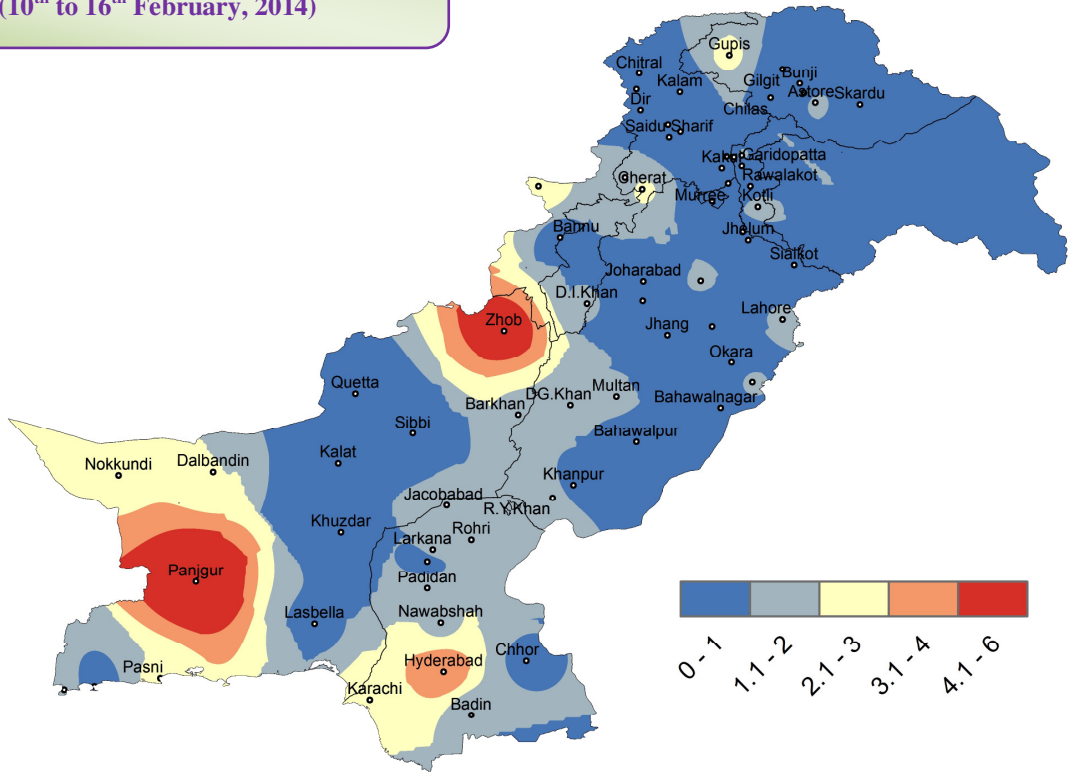
Mean Relative Humidity (%) during the Previous week (10th to 16th February, 2014)



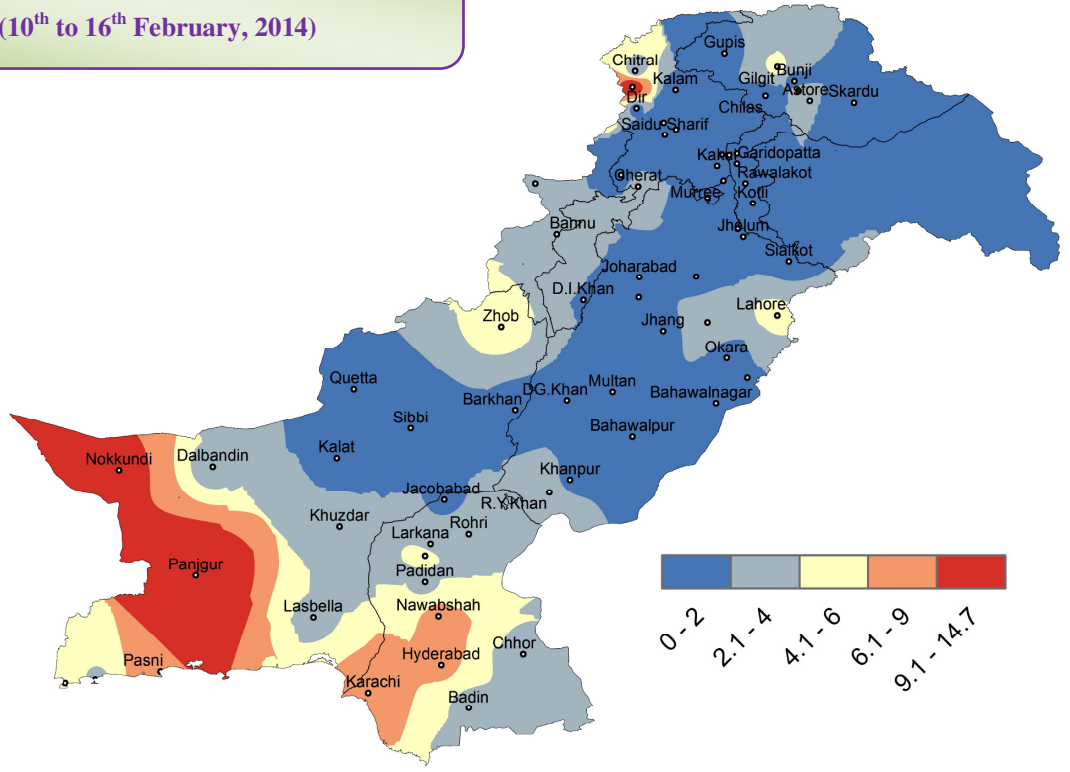
Total Growing Degree Days accumulated during the Previous week (10th to 16th February, 2014)



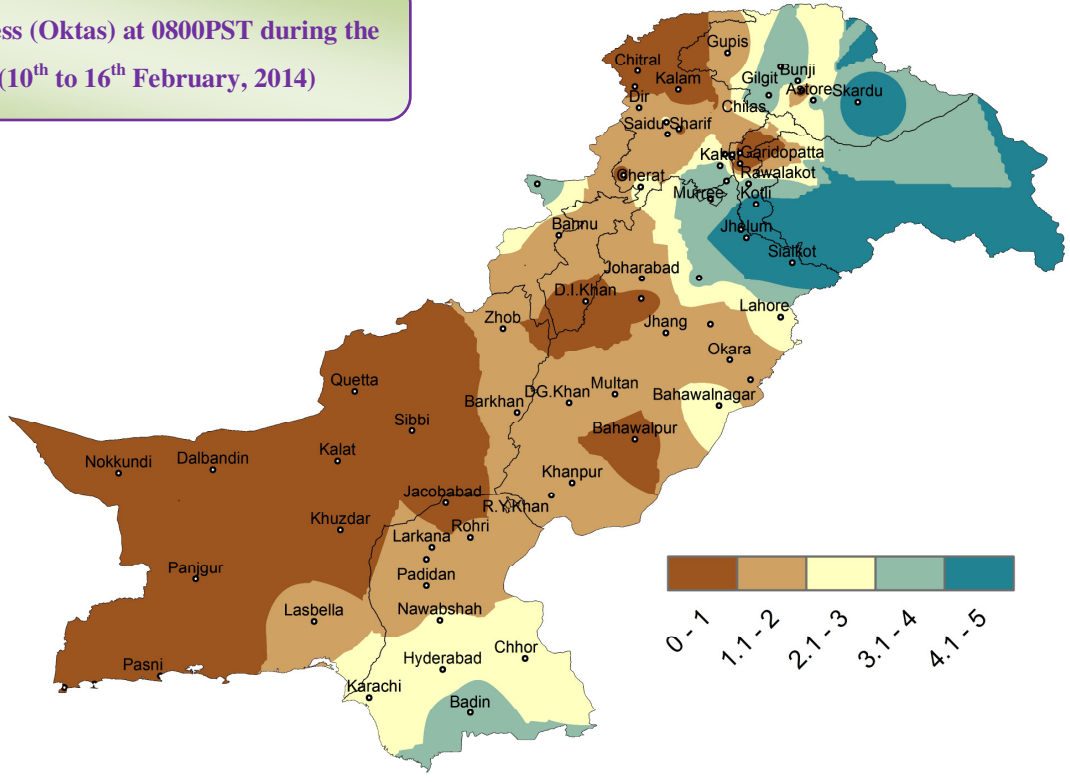
Mean Wind Speed (Knots) at 0800 PST during the Previous week (10th to 16th February, 2014)



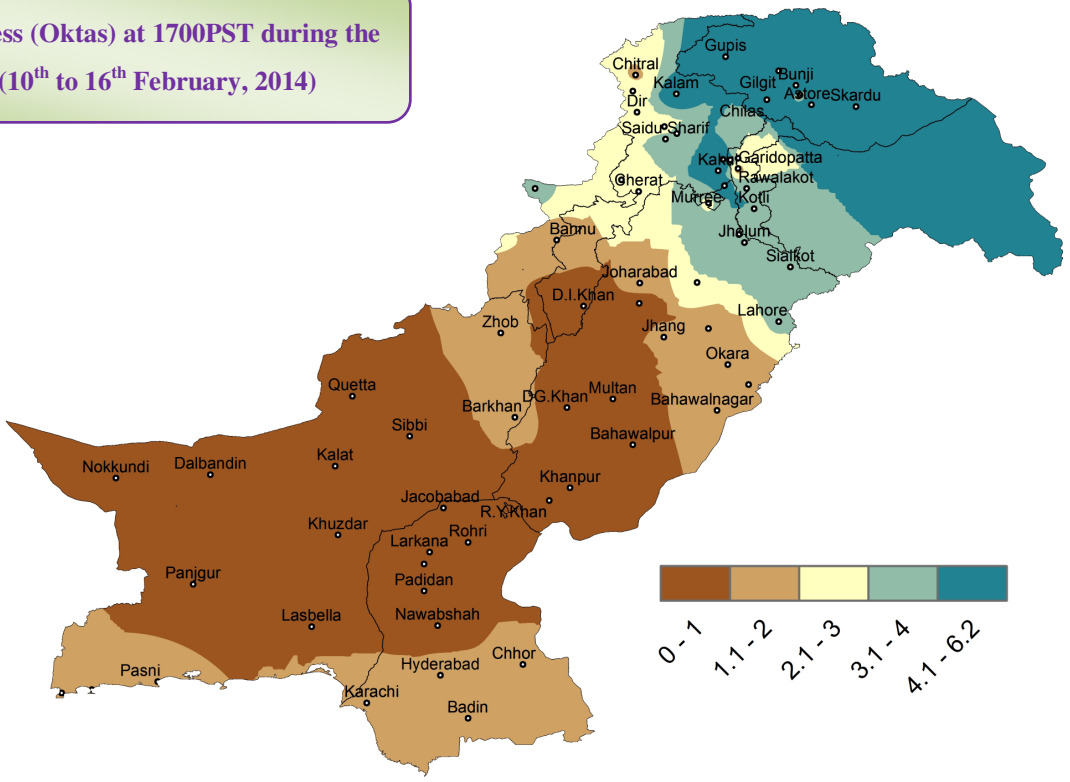
Mean Wind Speed (Knots) at 1700 PST during the Previous week (10th to 16th February, 2014)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (10th to 16th February, 2014)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (10th to 16th February, 2014)



Weekly Weather advisory for Farmers (From 17th to 23rd February, 2014)

A fresh shallow westerly wave is expected to affect upper parts of the country on Tuesday (night)/Wednesday. Another shallow westerly wave is expected to approach western/upper parts of the country on Friday and likely to persist during the weekend. Continental air would prevail over most parts of the country during rest of the week.

Punjab including Islamabad

Mainly cold and dry weather is expected in most parts of province during the week. However partly cloudy weather conditions with light rain are expected at isolated places in Rawalpindi and Gujranwala divisions on Wednesday.

Mostly cloudy weather conditions with thunderstorm-rain are expected at isolated places in Islamabad/Rawalpindi, Gujranwala, Lahore divisions. Light snowfall is also expected over the hills of Murree and Galliyat during the period.

Morning foggy conditions are expected to prevail over a few plains of Punjab during the week.

Khyber Pakhtunkhwa

Mainly cold (very cold in upper parts) and dry weather is expected in most parts of province during the week. However partly cloudy to cloudy weather with light rain (light snowfall over the hills) is expected at isolated places in Malakand, Hazara divisions on Tuesday (night)/Wednesday.

Mostly cloudy weather conditions with thunderstorm-rain (light snowfall over the hill) are expected at isolated places in Malakand, Hazara, Peshawar divisions during the weekend.

Sindh

Mainly cold and dry weather is expected in most parts of the province during the week. Morning foggy conditions are likely to prevail over a few places in upper Sindh. during the week.

Balochistan

Mainly cold (very cold in north Balochistan) and dry weather is expected during the week. However, light rain (with light snowfall over the hills) is expected at isolated places in Quetta and Zhob divisions on Tuesday (night)/Wednesday and on Friday/Saturday.

Kashmir

Partly cloudy to cloudy weather conditions with light rain-snowfall are expected at isolated in Kashmir on Wednesday. Scattered rain with snowfall is expected during the weekend. Very cold and dry weather is expected in most parts of Kashmir during rest of the week.

Gilgit-Baltistan

Mostly cloudy weather conditions with light rain-snowfall is expected in Gilgit-Baltistan on Tuesday (night)/Wednesday and during the weekend. Very cold and dry weather is expected over most parts of Gilgit-Baltistan during rest of 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 the sowing process. 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 10th to 16th February, 2014)**

Stations	Minimum/Night 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	-9.9	-12.5	***	52	0.0	3.4	5.5	1.4	2.0
Badin	10.2	6.7	91.6	44	0.0	3.5	1.3	1.0	3.3
Bahawalnagar	7.9	6.0	65.7	65	0.0	2.8	1.8	0.6	1.0
Bahawalpur	5.6	4.8	68.0	60	0.0	0.7	0.7	0.6	1.0
Balakot	2.8	1.1	32.2	52	5.1	1.7	4.7	0.6	0.5
Bannu	5.0	4.0	55.8	52	0.0	1.6	1.5	0.6	3.7
Barkhan	1.3	0.5	27.0	30	0.0	1.3	1.3	1.7	1.3
Bunji	2.3	1.1	4.5	33	0.0	4.2	6.3	0.3	1.0
Cherat	2.9	2.5	12.9	42	0.0	2.4	2.7	2.3	2.7
Chhor	7.0	5.0	88.3	54	0.0	2.5	1.3	0.7	3.3
Chilas	3.3	3.0	9.7	41	0.0	3.4	4.2	0.9	1.0
Chitral	-2.0	-3.5	***	58	0.0	0.6	1.8	0.3	2.0
DG.Khan	7.8	7.0	72.9	60	0.0	1.0	0.5	1.1	1.0
D.I.Khan	5.3	4.5	58.4	57	0.0	0.8	0.0	1.1	2.0
Dalbandin	-1.1	-3.0	22.0	49	0.0	0.0	0.5	2.0	3.0
Dir	-3.2	-4.6	3.2	62	0.0	1.9	3.0	0.0	1.0
Drosh	-4.4	-5.3	***	44	0.0	0.4	2.7	0.6	13.2
Faisalabad	6.0	3.4	58.8	59	0.0	1.4	1.4	0.2	1.4
Garidopatta	3.9	3.0	31.6	68	10.0	0.0	1.7	0.0	0.0
Gawader	10.1	8.0	87.4	41	0.0	0.5	1.0	0.3	3.5
Gilgit	-3.2	-4.5	***	51	0.0	3.7	5.2	0.0	4.8
Gupis	-5.5	-6.5	***	45	0.0	1.0	4.7	2.3	1.3
Hyderabad	11.1	9.0	90.3	39	0.0	2.7	1.8	4.0	6.4
Islamabad	3.8	2.5	43.4	66	0.0	3.2	2.8	0.0	1.3
Jacobabad	8.4	7.5	79.4	49	0.0	0.5	0.0	1.3	1.3
Jhang	4.7	3.5	59.8	63	0.0	1.3	1.2	0.0	1.3

Jhelum	6.1	3.9	58.1	66	4.2	4.3	3.0	0.6	1.0
Jiwani	13.0	11.5	91.3	40	0.0	0.0	1.0	1.7	6.0
Joharabad	4.9	3.5	52.8	72	0.0	1.7	2.0	0.3	1.7
Kakul	0.6	-1.3	15.8	69	9.5	3.4	4.5	0.3	1.7
Kalam	-10.6	-13.0	***	64	0.0	0.6	5.0	0.0	0.0
Kalat	-6.9	-10.0	***	47	0.0	0.0	0.8	0.0	1.7
Karachi	11.3	9.0	***	30	0.0	2.5	1.2	2.3	7.3
Khanpur	5.9	5.3	66.3	59	0.0	1.1	0.5	0.6	1.7
Khuzdar	2.2	1.0	***	44	0.0	0.0	0.0	0.0	2.7
Kotli	5.6	4.4	42.2	63	5.1	4.4	4.0	1.4	1.5
Lahore	6.3	5.5	55.5	67	4.1	2.9	3.1	1.1	4.6
Larkana	9.8	9.0	***	53	0.0	1.0	0.0	1.7	3.3
Lasbella	6.6	5.0	81.3	31	0.0	1.5	1.0	0.7	3.7
Lower Dir	2.8	2.0	***	58	0.0	2.2	2.5	0.4	2.0
Malam Jabba	-3.6	-5.0	***	70	0.0	0.9	3.2	0.0	0.0
M.B Din	6.7	5.2	58.9	72	0.0	3.1	3.0	1.1	1.3
Mangla	4.8	3.3	51.1	67	20.1	4.4	3.7	0.6	1.7
Mir Khani	4.1	3.5	***	43	0.0	0.0	3.2	0.0	2.8
Moinjodaro	5.6	4.5	68.5	54	0.0	2.0	0.0	0.0	4.7
Multan	7.8	6.5	69.0	59	0.0	1.3	0.3	1.1	1.3
Murree	-2.0	-3.0	***	79	13.1	3.7	4.7	0.3	0.7
Muzaffarabad	3.0	2.0	25.1	63	10.0	2.4	4.7	0.0	0.3
Nokkundi	0.9	-1.9	24.9	25	0.0	0.0	0.3	2.7	10.0
Noorpurthal	4.6	4.0	65.7	62	0.0	0.6	0.0	0.0	0.3
Okara	6.3	5.5	59.5	59	0.0	1.2	1.3	0.3	1.3
Padidan	9.3	7.5	78.6	59	0.0	1.0	0.0	2.0	3.3
Panjgur	1.3	0.5	18.5	49	0.0	0.0	0.7	6.0	14.7
Parachinar	-2.8	-3.2	***	61	0.0	3.8	3.3	3.0	2.8
Pasni	11.9	9.0	92.8	31	0.0	0.0	1.2	2.3	9.0
Pattan	2.2	1.0	***	54	0.0	0.0	2.2	1.4	0.7
Peshawar	3.8	3.0	***	66	0.0	0.8	2.2	1.0	1.3

Quetta	0.7	-3.5	***	41	0.0	2.6	3.2	0.1	0.3
R.Y.Khan	7.3	6.2	74.7	58	0.0	1.7	0.0	1.7	3.0
Rawalakot	-2.4	-4.5	***	76	4.2	3.4	3.8	0.3	1.0
Rohri	10.2	9.0	82.7	44	0.0	1.2	0.0	2.0	3.3
Rawalpindi	2.9	2.5	40.0	64	0.0	2.3	1.3	0.1	1.0
Sahiwal	5.0	4.0	55.2	66	0.0	1.2	1.3	1.1	2.0
Saidu Sharif	2.6	2.0	28.8	57	0.0	1.1	3.3	0.0	0.0
Sialkot	6.2	3.6	54.4	71	0.3	4.7	3.8	0.0	1.3
Sibbi	9.9	6.0	***	31	0.0	0.0	0.0	0.0	0.0
Skardu	-5.9	-7.8	***	61	0.0	5.0	6.2	0.0	0.0
Tandojam	7.9	5.0	79.5	52	0.0	1.6	0.9	0.4	1.2
U.Muhammad	6.6	6.0	72.0	58	0.0	0.0	0.0	0.0	0.0
Zhob	-0.9	-2.5	9.3	40	0.0	1.0	1.3	5.0	5.0

*** Shows that data was not available.