

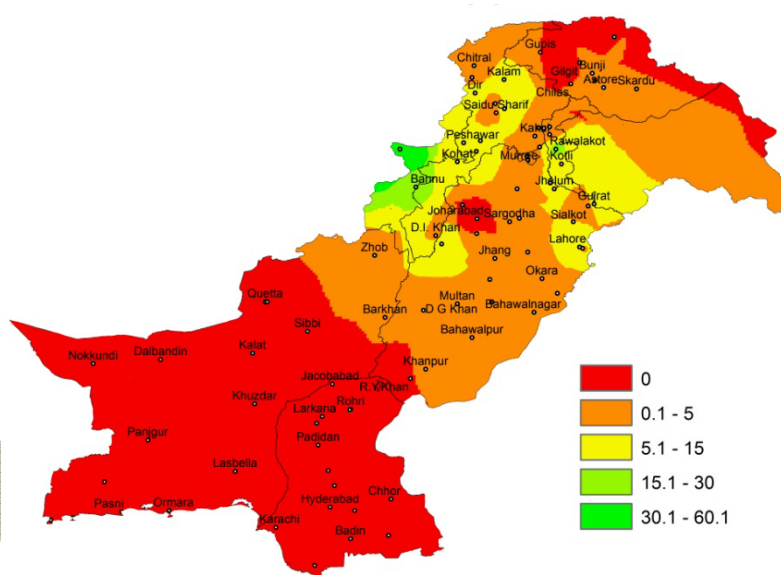
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the
Previous Week (From 17th to 23rd February, 2014)**



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Chief Editor: Dr. Khalid Mahmood Malik (Director)
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Highlights of Past Weather (From 17th to 23rd 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 many places in Punjab and Khyber Pakhtunkhwa regions.
- Light to moderate rainfall reported at isolated places in Gilgit-Baltistan & Kashmir.
- Dry weather was reported in Sindh. Whereas light rain was reported at an isolated place in northwest Balochistan and dry weather reported elsewhere in the province.

Past Weather of Provinces (From 17th to 23rd**February, 2014)****Punjab**

Light to moderate rainfall reported at a number of places in Punjab during the week. Weekly maximum and minimum temperatures recorded 21.7°C & 7.0°C respectively. For the present season average 65.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 67% and wind speed in the morning/evening recorded 1.0/2.6 Knots. During the previous week highest amount of rainfall reported at Bhakkar 14 mm and lowest minimum temperature was recorded -2.5°C at Murree.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 27.1°C & 10.3°C respectively. For the present season average 97.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 55% and wind speed in the morning/evening recorded 2.7/4.5 Knots. During the previous week lowest minimum temperature was recorded 2.0°C at Moin-Jo-Daro.

Khyber Pakhtunkhwa

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 15.8°C & 3.1°C respectively. For the present season average 37.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 64% and wind speed in the morning/evening recorded 0.9/2.5 Knots. The highest amount of rainfall was reported at Parachinar 60.2mm and lowest minimum temperature recorded -9.5°C at Kalam.

Balochistan

Dry weather was reported in Balochistan except Zhob where light rainfall (2.0 mm) reported during the week. Weekly maximum and minimum temperatures recorded 22.2°C & 5.1°C respectively. For the present season average 66.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 43% and wind speed in the morning/evening recorded 1.4/4.4 Knots. During the previous week lowest minimum temperature recorded -7.5°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 13.8°C & 1.2°C respectively. For the present season average 36.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 53% and wind speed in the morning/evening recorded 0.5/1.7 Knots. During the previous week highest amount of rainfall reported at Rawalakot 20.0mm and lowest minimum temperature recorded -11.0°C at Astore.

Past Weather for Major Agricultural Plains
(From 17th to 23rd February, 2014)

Rawalpindi (Potohar region)

Rainfall reported as 1.0mm during the week; however cloudiness in the morning/evening recorded 3.9/2.1 Oktas while, average relative humidity observed 64%. Mean night time temperature recorded 5.4°C & for the present season 55.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.3 Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.3/1.8 Oktas while average relative humidity observed as 62%. Mean night time temperature recorded 7.1°C & for the present season 68.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.8 Knots.

Tandojam (Lower Singh)

Dry weather and no cloudiness was reported during the week while, average relative humidity observed as 58%. Mean night time temperature recorded 7.5°C & for the present season 92.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/1.4 Knots.

Quetta (Northern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 6.1/3.4 Oktas while, average relative humidity observed as 36%. Mean night time temperature recorded 0.8°C & for the present season 19.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.3/0.7 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; while, average relative humidity observed as 73%. Mean night time temperature recorded 9.1°C & for the present season 87.3 growing degree days accumulated by the end of last week.

Past Weather for Sub-Regional Agricultural Plains (From 17th to 23rd February, 2014)

Rohri

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.0/0.0 Oktas while, average relative humidity observed as 53%. Mean night time temperature recorded 11.4°C & for the present season 96.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.3/2.9 Knots.

Multan

Rainfall reported as 0.2mm during the week; however cloudiness in the morning/evening recorded 3.0/1.7 Oktas while, average relative humidity observed as 65%. Mean night time temperature recorded 8.7°C & for the present season 74.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.3/4.9 Knots.

Lahore

Rainfall reported as 3.0mm during the week; however cloudiness in the morning/evening recorded 2.7/2.3 Oktas while, average relative humidity observed as 68%. Mean night time temperature recorded 8.6°C & for the present season 70.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/5.4 Knots.

Zhob

Rainfall reported as 2.0mm during the week; however cloudiness in the morning/evening recorded 2.0/3.1 Oktas while, average relative humidity observed as 42%. Mean night time temperature recorded 0.6°C & for the present season 27.6 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

Rainfall reported as 2.0mm during the week; however cloudiness in the morning/evening recorded 2.4/2.0 Oktas while, average relative humidity observed as 71%. Mean night time temperature recorded 6.4°C & for the present season 62.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.7 Knots.

Peshawar

Rainfall reported as 6.1mm during the week; however cloudiness in the morning/evening recorded 2.2/4.1 Oktas while, average relative humidity observed as 73%. Mean night time temperature recorded 6.1°C & for the present season 62.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.7 Knots.

Murree

Rainfall reported as 5.1mm during the week; however cloudiness in the morning/evening recorded 4.3/4.6 Oktas while, average relative humidity observed as 58%. Mean night time temperature recorded 1.6°C & for the present season 5.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.6/2.0 Knots.

Kalam

Rainfall reported as 9.0mm during the week; however cloudiness in the morning/evening recorded 4.6/6.1 Oktas while, average relative humidity observed as 69%. Mean night time temperature recorded -4.5°C by the end of last week.

Gilgit

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 5.4/5.6 Oktas while, average relative humidity observed as 51%. Mean night time temperature recorded -0.2°C & for the present season 18.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/2.6 Knots.

Skardu

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 4.6/5.4 Oktas while, average relative humidity observed as 53%. Mean night time temperature recorded -4.5°C by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.9 Knots.

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 *flowering* stage.

Northern Balochistan (Quetta)

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

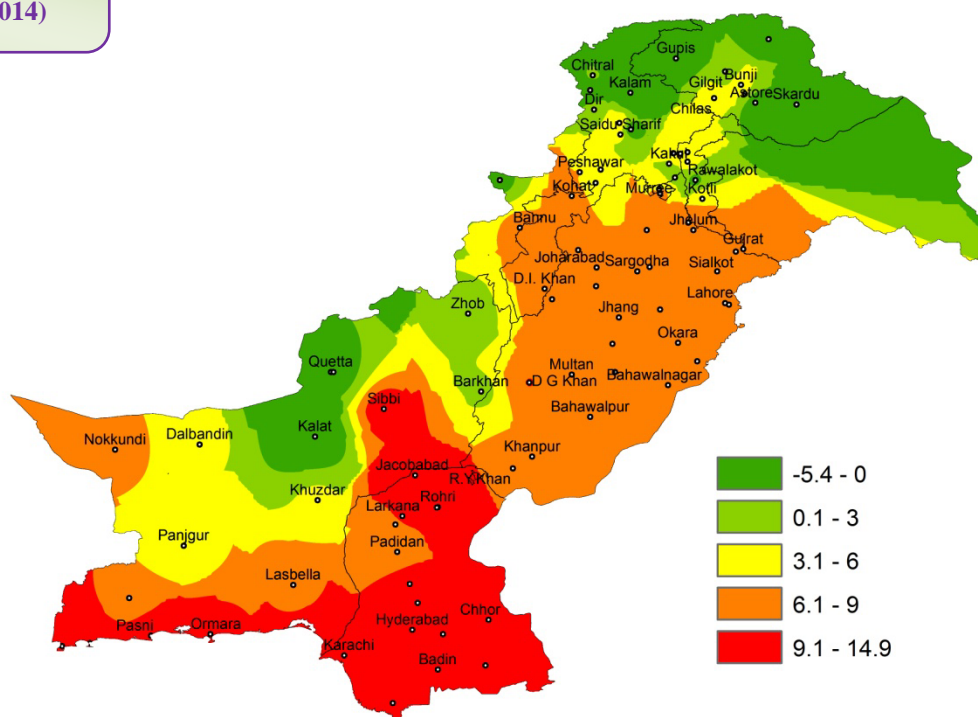
Wheat (Local white): Good condition at *Tillering* stage.

Eastern Balochistan (Usta Muhammad)

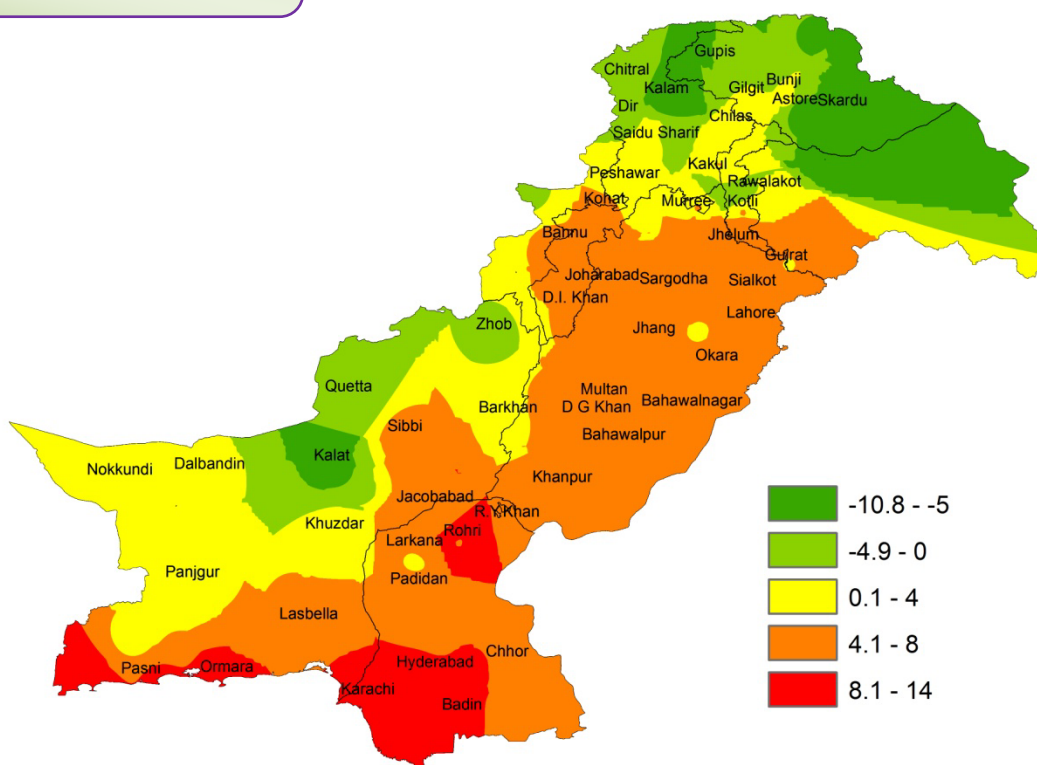
There is presently one crop (irrigated condition) grown in the fields of RMC Usta Muhammad.

Wheat: Good condition at *Shooting* stage.

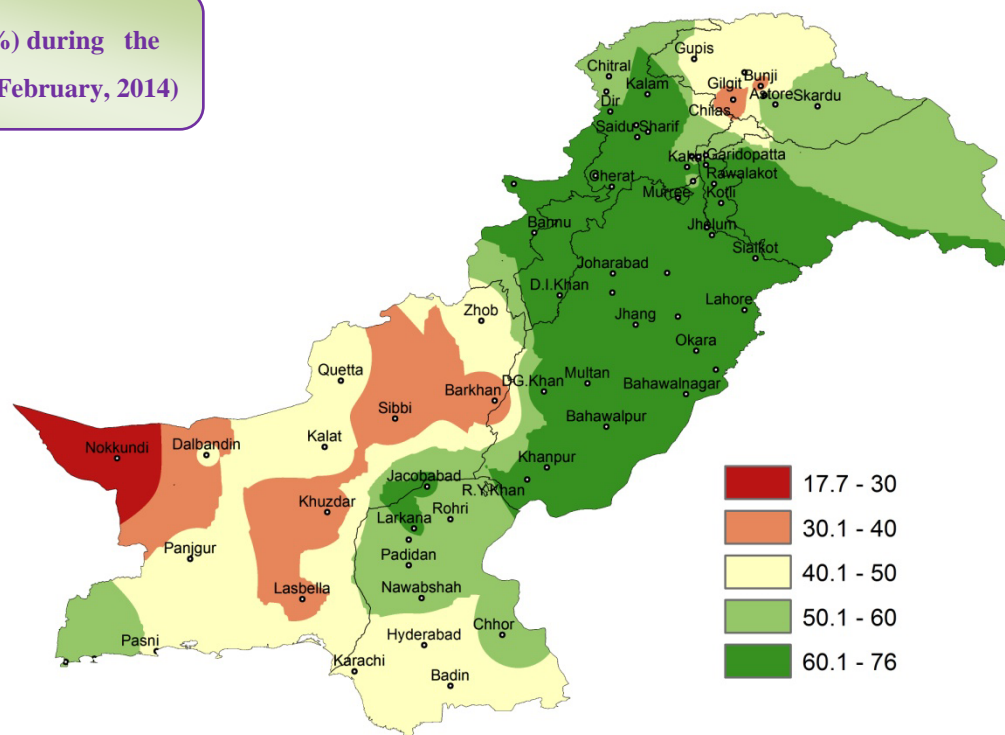
Mean Minimum Temperature (°C) during the
Previous week (17th to 23rd February, 2014)



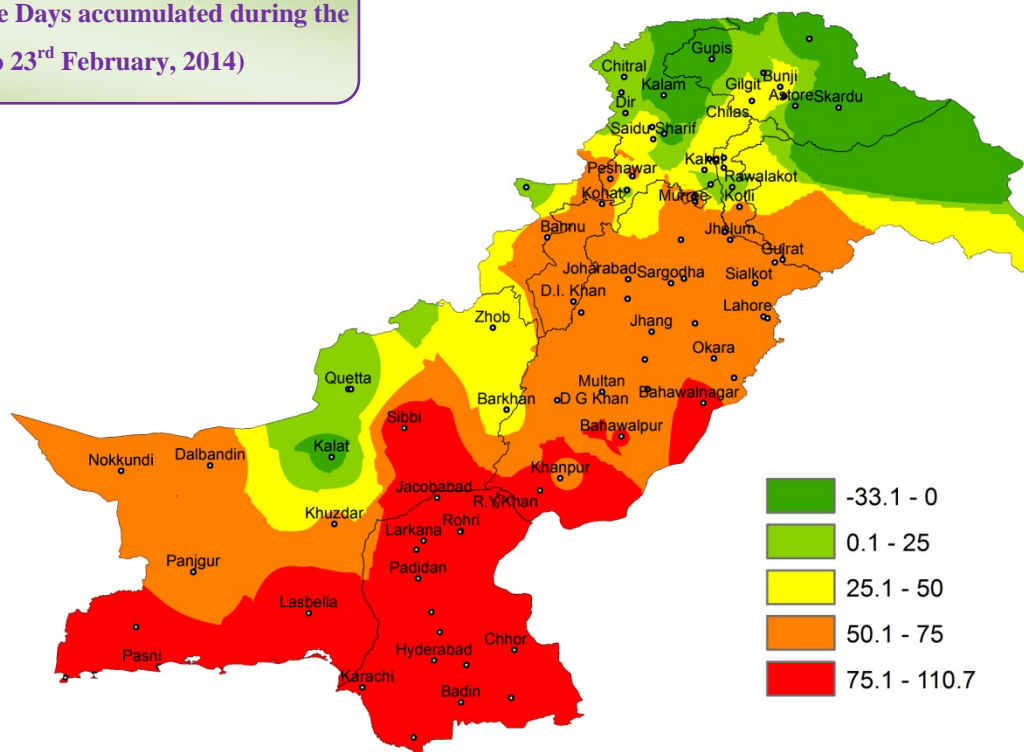
Lowest Minimum Temperature (°C) during the
Previous week (17th to 23rd February, 2014)



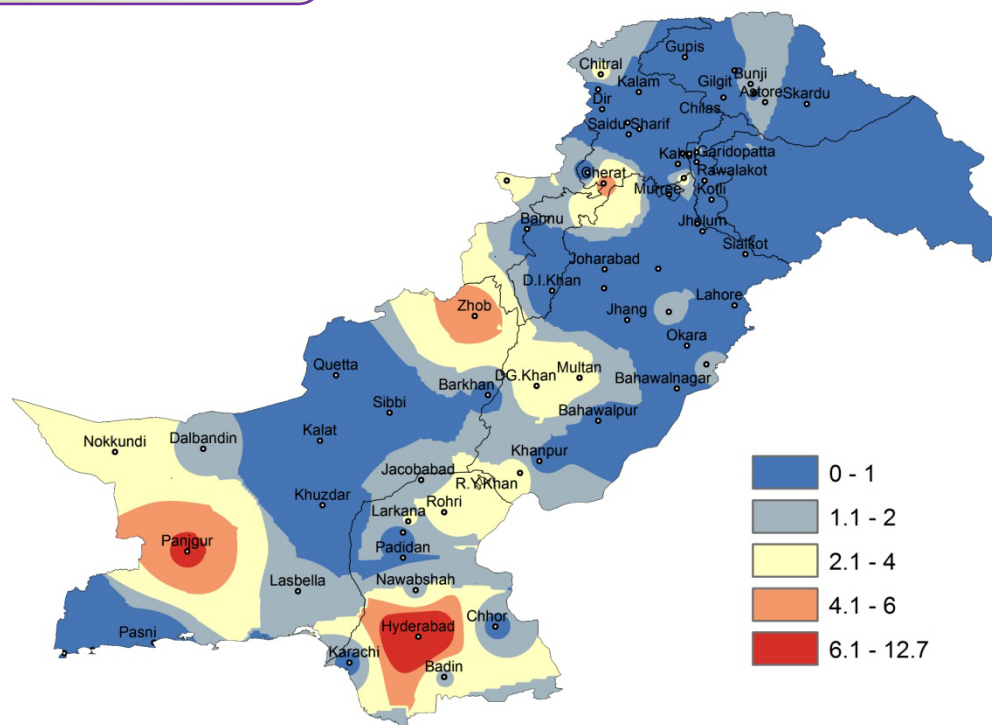
Mean Relative Humidity (%) during the
Previous week (17th to 23rd February, 2014)



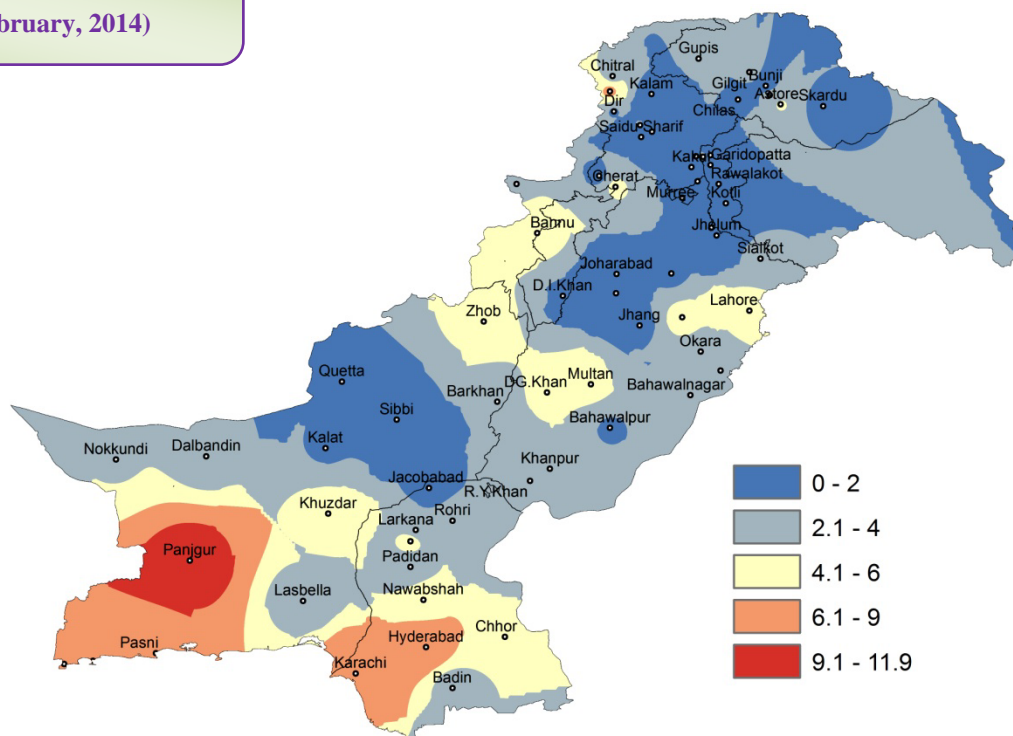
Total Growing Degree Days accumulated during the
Previous week (17th to 23rd February, 2014)



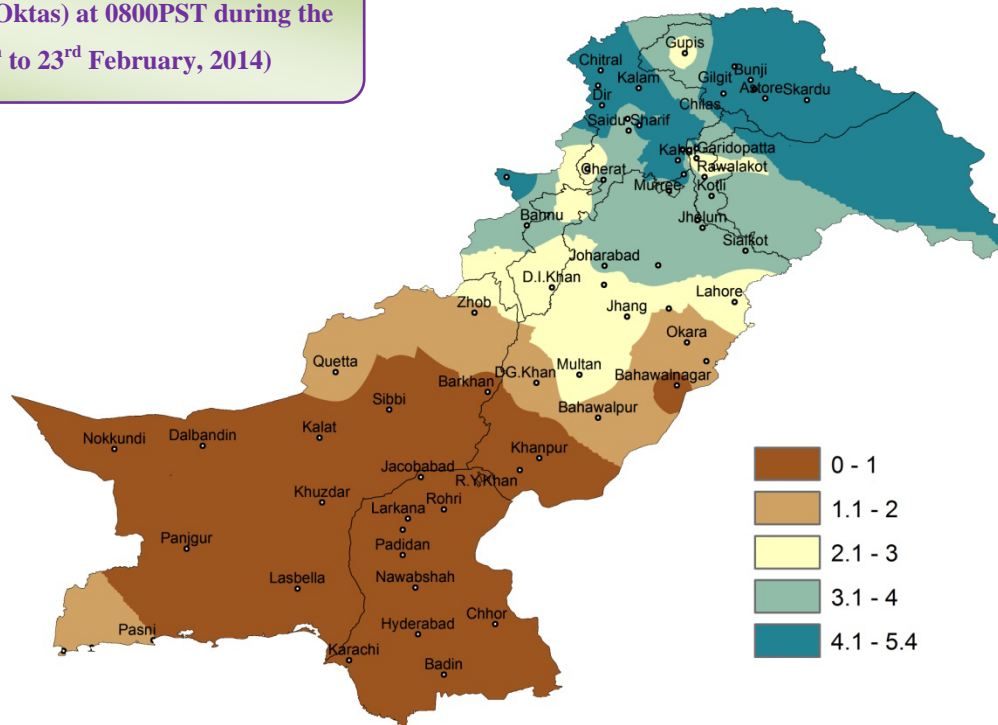
Mean Wind Speed (Knots) at 0800 PST during the
Previous week (17th to 23rd February, 2014)



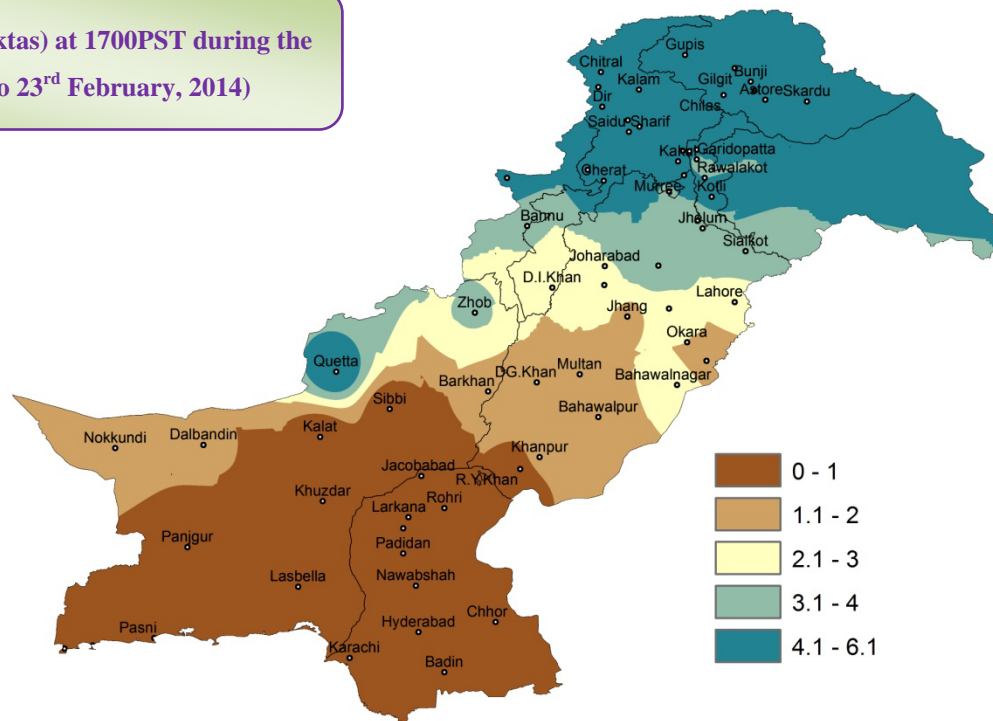
Mean Wind Speed (Knots) at 1700 PST during the
Previous week (17th to 23rd February, 2014)



Mean Cloudiness (Oktas) at 0800PST during the
Previous week (17th to 23rd February, 2014)



Mean Cloudiness (Oktas) at 1700PST during the
Previous week (17th to 23rd February, 2014)



Weekly Weather advisory for Farmers
(From 24th Feb to 2nd Mar, 2014)

Continental air would prevail over most parts of the country on Monday & Tuesday. A fresh shallow westerly wave is expected to approach upper parts of the country on Tuesday (night)/Wednesday and likely to persist till Friday. Subsequently, another westerly wave is expected to approach Balochistan on Saturday and likely to extend to upper parts of the country thereafter.

Punjab including Islamabad

Mainly cold and dry weather is expected in most parts of the province during first two days of the week. However, partly cloudy weather conditions with light rain are expected at isolated places in Islamabad/Rawalpindi, Sargodha, and Gujranwala, Lahore divisions from Wednesday to Friday and again from Sunday.

Snowfall is also expected over the hills of Murree and Galliyat during the period.

Khyber Pakhtunkhwa

Partly cloudy to cloudy weather conditions with rain (light snowfall over the hills) are expected at isolated places in the province on Wednesday/Thursday and during the weekend. Light rain-snow is expected at isolated places in Malakand division on Tuesday.

Mainly cold (very cold in upper parts) and dry weather is expected in most parts of the province on Monday & Tuesday

Sindh

Mainly cold and dry weather is expected in most parts of the province during the week. Partly cloudy weather conditions are expected in Sindh during the weekend.

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 Zhob divisions on Tuesday (night)/Wednesday.

Rain (with light snowfall over the hills) is also expected at isolated places in north Balochistan (Quetta, Zhob, Makran and Kalat divisions during the weekend.

Kashmir

Rain with light snowfall is expected at scattered places in Kashmir on Thursday/Friday, while, at isolated places on Wednesday and during the weekend. Cold and dry weather with partly cloudy conditions is expected during Monday/Tuesday.

Gilgit-Baltistan

Cloudy weather conditions with snowfall and light rain are expected at scattered places in GB from Tuesday to Thursday, while, at isolated places during rest of the days 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 17th to 23rd 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	-5.1	-11.0	***	54	0.0	4.7	4.6	1.1	4.3
Badin	11.6	9.5	105.9	45	0.0	0.0	1.0	1.7	2.6
Bahawalnagar	9.0	7.0	81.0	64	1.0	0.9	2.4	0.9	2.6
Bahawalpur	8.3	5.8	75.2	64	0.1	1.4	1.6	0.6	1.7
Balakot	3.9	1.4	39.6	58	0.1	4.6	6.0	0.0	1.7
Bannu	7.3	5.0	65.9	61	21.1	3.1	3.1	0.9	5.7
Barkhan	2.2	2.0	40.7	33	0.0	0.8	1.7	0.7	2.9
Bunji	5.6	1.1	37.9	32	0.0	5.1	5.7	1.4	0.6
Cherat	4.1	2.0	18.3	68	14.0	3.4	4.3	4.9	4.6
Chhor	9.3	6.5	103.5	52	0.0	0.0	0.4	0.7	4.0
Chilas	5.0	4.0	40.6	36	0.0	4.0	4.4	0.0	1.7
Chitral	0.3	-1.0	13.2	60	0.0	4.4	6.0	2.6	3.1
DG.Khan	9.1	8.0	75.0	65	0.1	1.3	1.3	3.1	4.6
D.I.Khan	6.4	4.0	62.5	71	2.0	2.4	2.0	0.3	1.7
Dalbandin	4.0	1.0	61.0	40	0.0	0.8	1.3	1.3	2.3
Dir	0.7	-2.0	17.4	64	11.0	5.1	5.7	0.3	1.7
Drosh	-2.0	-3.8	4.0	49	1.0	4.0	6.1	0.0	6.9
Faisalabad	7.1	4.4	67.5	62	0.0	0.3	1.8	0.3	1.8
Garidopatta	4.4	4.0	40.3	63	0.0	1.7	3.4	0.0	0.0
Gawader	12.0	10.5	100.9	59	0.0	1.0	0.9	0.0	8.6
Gilgit	-0.2	-4.5	18.5	51	0.0	5.4	5.6	0.9	2.6

Gupis	-3.6	-5.0	***	48	0.0	2.7	5.1	0.9	2.6
Hyderabad	12.8	10.5	105.5	41	0.0	0.0	0.0	12.7	8.9
Islamabad	5.6	3.0	53.9	68	0.6	3.8	3.9	0.3	2.0
Jacobabad	10.1	7.5	91.8	61	0.0	0.0	0.0	1.7	0.9
Jhang	6.2	5.0	65.4	70	4.0	2.1	1.7	0.6	1.1
Jhelum	7.6	5.6	69.5	67	5.0	3.9	3.7	0.0	1.7
Jiwani	14.9	14.0	***	58	0.0	1.3	0.6	0.3	6.3
Joharabad	7.1	5.5	66.4	70	0.0	3.3	3.0	0.3	0.6
Kakul	2.6	0.0	25.3	62	5.0	4.1	4.9	0.0	1.4
Kalam	-4.5	-9.5	***	69	9.0	4.6	6.1	0.0	0.0
Kalat	-5.4	-7.5	***	42	0.0	0.0	0.0	0.3	1.7
Karachi	13.1	10.5	110.7	43	0.0	0.2	1.0	0.7	8.9
Khanpur	6.4	4.8	72.8	65	0.0	0.3	1.3	0.6	3.4
Khuzdar	3.7	3.0	52.4	37	0.0	0.0	0.0	0.0	5.4
Kotli	5.8	4.2	55.4	66	9.0	3.9	4.4	0.3	1.4
Lahore	8.6	6.0	70.5	68	3.0	2.7	2.3	0.9	5.4
Larkana	11.1	8.0	94.4	62	0.0	0.5	0.0	2.3	3.1
Lasbella	8.2	5.5	96.1	40	0.0	0.5	1.0	1.3	2.3
Lower Dir	6.0	2.0	51.6	62	1.0	3.4	4.3	0.9	2.3
Malam Jabba	-3.1	-4.5	***	75	12.1	4.3	5.1	0.0	0.0
M.B Din	8.0	6.5	69.6	76	4.0	3.9	4.0	0.9	1.4
Mangla	7.0	5.0	65.6	66	6.0	3.9	3.4	0.0	1.1
Mir Khani	3.5	2.6	42.7	54	6.0	4.3	6.0	0.9	2.9
Moinjodaro	6.4	2.0	77.4	57	0.0	0.5	0.0	0.3	4.6
Multan	8.7	6.5	74.7	65	0.2	3.0	1.7	2.3	4.9
Murree	1.6	-2.5	5.8	58	5.1	4.3	4.6	2.6	2.0

Muzaffarabad	7.0	4.5	57.8	59	4.1	3.3	5.3	0.0	2.3
Nokkundi	7.3	1.6	***	18	0.0	0.5	1.7	3.3	3.7
Noorpurthal	6.8	5.0	71.9	69	0.0	2.3	2.7	0.3	0.3
Okara	7.9	5.0	72.5	70	2.0	1.5	2.0	0.6	2.9
Padidan	8.7	7.0	86.2	59	0.0	0.0	0.0	1.0	3.1
Panjgur	3.6	2.0	54.2	42	0.0	0.0	0.0	6.3	11.9
Parachinar	-1.2	-2.0	0.6	71	60.2	5.0	4.7	2.9	3.6
Pasni	11.9	9.0	101.6	48	0.0	1.0	0.6	0.0	6.9
Pattan	3.6	1.0	38.2	58	0.0	4.4	4.9	1.4	1.4
Peshawar	6.1	3.0	62.8	73	6.1	2.2	4.1	0.3	1.4
Quetta	0.8	-2.0	19.1	36	0.0	6.1	3.4	2.3	0.7
R.Y.Khan	8.3	6.2	83.4	61	0.0	0.0	0.6	2.6	3.3
Rawalakot	-0.9	-4.5	6.8	69	20.0	3.0	4.0	0.0	0.6
Rawapindi	5.4	3.4	55.1	64	1.0	3.9	2.1	0.6	0.3
Rohri	11.4	9.5	96.0	53	0.0	1.0	0.0	2.3	2.9
Sahiwal	6.0	4.5	64.0	69	0.0	1.3	1.6	1.1	2.9
Saidu Sharif	3.8	2.0	35.1	60	3.0	3.9	4.3	0.0	0.6
Sialkot	7.4	5.5	65.6	73	4.0	3.0	3.9	0.0	2.3
Sibbi	11.8	8.0	99.3	35	0.0	0.0	0.0	0.0	0.0
Skardu	-4.5	-7.9	***	53	0.0	4.6	5.4	0.0	0.9
Tandojam	7.5	6.5	92.0	58	0.0	0.0	0.0	0.7	1.4
U.Muhammad	9.1	6.5	87.3	73	0.0	0.0	0.0	0.0	0.0
Zhob	0.6	-1.5	27.6	42	2.0	2.0	3.1	5.0	5.0

*** Shows that data was not available.