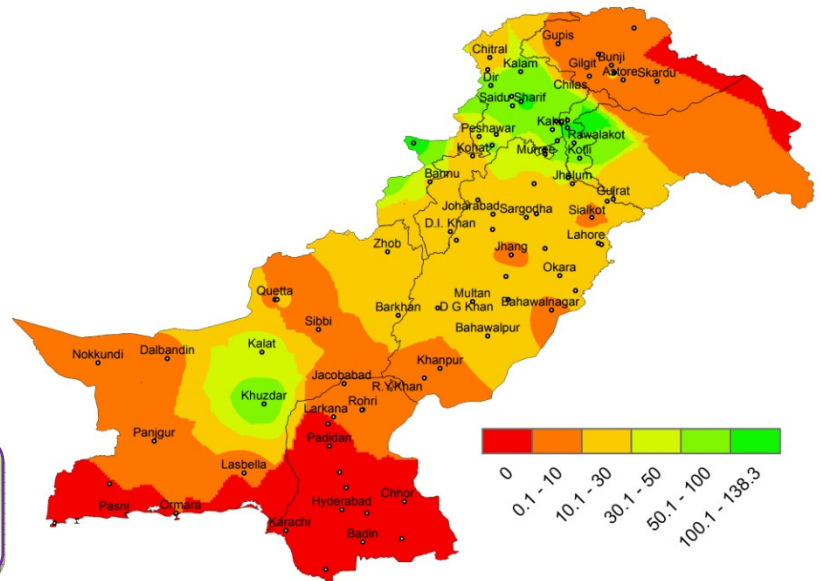


Weekly Weather and Crop Bulletin for Pakistan

**NATIONAL AGROMET CENTRE
PAKISTAN METEOROLOGICAL
DEPARTMENT SECTOR H-8/2,
ISLAMABAD.**

Phone: +92-51-9250592

Email: dirnamc@yahoo.com



**Rainfall Distribution (mm) during the
Previous Week (From 3rd to 9th February, 2014)**

<u>Contents</u>	
Highlights of past weather (General)	1-2
Past weather for Agri Plains	3-4
Crop progress	4
Min Temperature maps	5
R.H and GDD	6
Wind speed maps	7
Cloudiness maps	8
Farmers advisory	9
National data for selected stations	10-12

Highlights of Past Weather (From 3rd to 9th 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, Khyber Pakhtunkhwa and Gilgit-Baltistan & Kashmir regions.
- Light to moderate rainfall reported at few places in Balochistan.
- Light rainfall reported at isolated places in Sindh.

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

Past Weather of Provinces (From 3rd to 9th February, 2014)

Punjab

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 18.3°C & 7.4°C respectively. For the present season average 58.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 74% and wind speed in the morning/evening recorded 1.1/2.5 Knots. During the previous week highest amount of rainfall reported at Murree 79.0mm and lowest minimum temperature was recorded -2.5°C at Murree.

Sindh

Light rainfall reported at isolated places in Sindh during the week. Weekly maximum and minimum temperatures recorded 25.8°C & 10.6°C respectively. For the present season average 90.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 67% and wind speed in the morning/evening recorded 1.2/5.3 Knots. During the previous week highest amount of rainfall reported at Jacobabad 3.0mm and lowest minimum temperature was recorded 4.4°C at Dadu.

Khyber Pakhtunkhwa

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 10.7°C & 1.9°C respectively. For the present season average 4.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 75% and wind speed in the morning/evening recorded 1.0/2.2 Knots. The highest amount of rainfall was reported at Parachinar 123.0mm and lowest minimum temperature recorded -14.5°C at Kalam.

Balochistan

Light to moderate rainfall reported at few places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 15.5°C & 4.1°C respectively. For the present season average 62.7 growing degree days accumulated by the end of last week. Average relative humidity recorded 57% and wind speed in the morning/evening recorded 2.8/5.1 Knots. During the previous week highest amount of rainfall reported at Khuzdar 62.0mm and lowest minimum temperature recorded -10.0°C at Quetta.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light to moderate rainfall reported at many places in Gilgit-Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 8.8°C & 0.9°C respectively. For the present season average 20.8 growing degree days accumulated by the end of last week. Average relative humidity recorded 70% and wind speed in the morning/evening recorded 1.0/1.9 Knots. During the previous week highest amount of rainfall reported at G. Dopatta 140.0mm and lowest minimum temperature recorded -10.5°C at Astore.

**Past Weather for Major Agricultural Plains
(From 3rd to 9th February, 2014)****Rawalpindi (Potohar region)**

Rainfall reported as 40.9mm during the week; however cloudiness in the morning/evening recorded 4.7/2.7 Oktas while, average relative humidity observed 77%. Mean night time temperature recorded 3.5°C & for the present season 42.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/0.8 Knots.

Faisalabad (Central Punjab)

Rainfall reported as 11.2mm during the week; however cloudiness in the morning/evening recorded 3.9/5.7 Oktas while average relative humidity observed as 64%. Mean night time temperature recorded 5.0°C & for the present season 65.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.8/1.2 Knots.

Tandojam (Lower Singh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.3 Oktas while, average relative humidity observed as 60%. Mean night time temperature recorded 7.5°C & for the present season 94.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.0 Knots.

Quetta (Northern Balochistan)

Rainfall reported as 25.9mm during the week; however cloudiness in the morning/evening recorded 5.9/5.6 Oktas while, average relative humidity observed as 48%. Mean night time temperature recorded -4.5°C by the end of last week. Wind speed recorded in the morning/evening as 3.2/3.4 Knots.

Usta Muhammad (Eastern Balochistan)

Rainfall reported as 4.2mm during the week; however cloudiness in the morning/evening recorded 1.4/2.3 Oktas while, average relative humidity observed as 78%. Mean night time temperature recorded 5.5°C by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.5 Knots.

**Past Weather for Sub-Regional Agricultural
Plains (From 3rd to 9th February, 2014)****Rohri**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.2/1.7 Oktas while, average relative humidity observed as 60%. Mean night time temperature recorded 11.2°C & for the present season 86.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.0/9.8 Knots.

Multan

Rainfall reported as 23.0mm during the week; however cloudiness in the morning/evening recorded 2.4/0.7 Oktas while, average relative humidity observed as 75%. Mean night time temperature recorded 9.1°C & for the present season 67.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/4.8 Knots.

Lahore

Rainfall reported as 14.2mm during the week; however cloudiness in the morning/evening recorded 4.1/4.0 Oktas while, average relative humidity observed as 75%. Mean night time temperature recorded 8.1°C & for the present season 56.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/4.6 Knots.

Zhob

Rainfall reported as 19.0mm during the week; however cloudiness in the morning/evening recorded 2.7/3.2 Oktas while, average relative humidity observed as 69%. Mean night time temperature recorded -0.1°C by the end of last week. Wind speed recorded in the morning/evening as 5.7/6.3 Knots.

D.I. Khan

Rainfall reported as 23.0mm during the week; however cloudiness in the morning/evening recorded 2.9/2.3 Oktas while, average relative humidity observed as 64%. Mean night time temperature recorded 6.4°C & for the present season 44.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/1.4 Knots.

Peshawar

Rainfall reported as 29.1mm during the week; however cloudiness in the morning/evening recorded 2.6/4.5 Oktas while, average relative humidity observed as 75%. Mean night time temperature recorded 5.2°C & for the present season 41.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.8/1.7 Knots.

Murree

Rainfall reported as 79.0mm during the week; however cloudiness in the morning/evening recorded 6.0/6.1 Oktas while, average relative humidity observed as 85%. Mean night time temperature recorded -1.3°C by the end of last week. Wind speed recorded in the morning/evening as 3.7/2.0 Knots.

Kalam

Rainfall reported as 64.0mm during the week; however cloudiness in the morning/evening recorded 5.7/5.4 Oktas while, average relative humidity observed as 78%. Mean night time temperature recorded -6.4°C by the end of last week. Wind speed recorded in the morning/evening as 6.0/6.0 Knots.

Gilgit

Rainfall reported as 0.4mm during the week; however cloudiness in the morning/evening recorded 6.6/5.9 Oktas while, average relative humidity observed as 57%. Mean night time temperature recorded 1.7°C by the end of last week. Wind speed recorded in the morning/evening as 1.7/2.0 Knots.

Skardu

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 6.7/6.3 Oktas while, average relative humidity observed as 70%. Mean night time temperature recorded -2.0°C by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.6 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 3rd Leaf stage.

Central Punjab (Faisalabad)

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

Wheat: Very good condition at *Shooting* stage completed.

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.

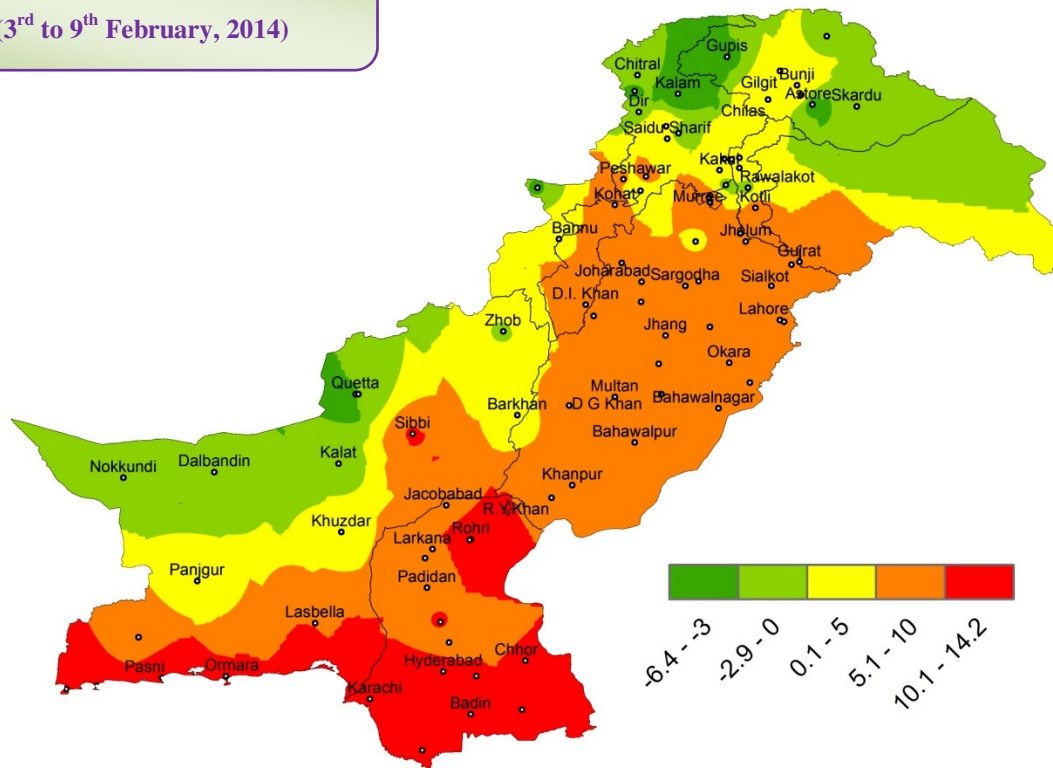
Wheat (Local white): Good condition at 3rd Leaf stage.

Eastern Balochistan (Usta Muhammad)

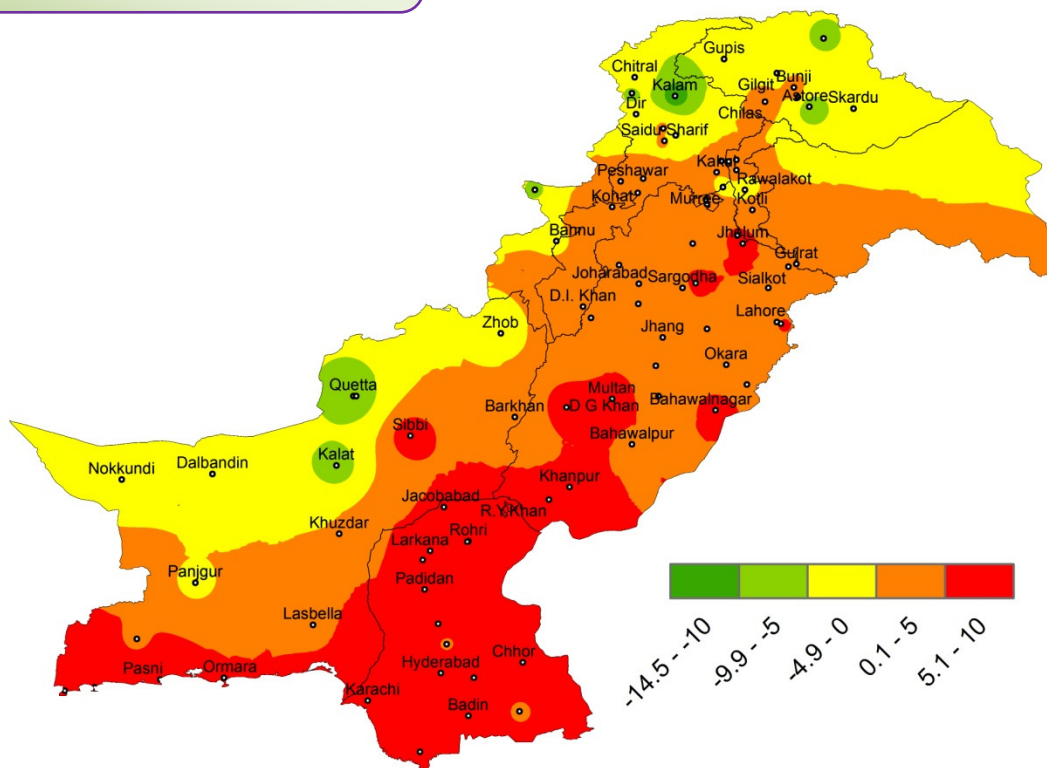
There is presently one crop (irrigated condition) grown in the fields of RMC Usta Muhammad.

Wheat: Good condition at *Tillering* stage.

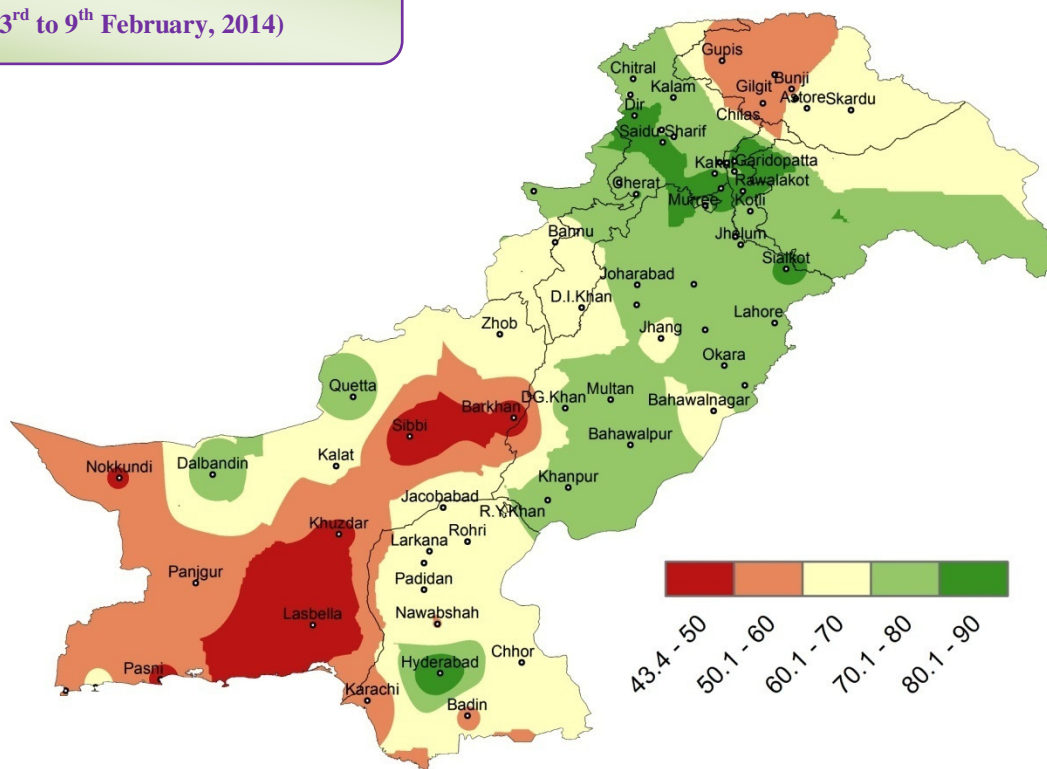
Mean Minimum Temperature (°C) during the Previous week (3rd to 9th February, 2014)



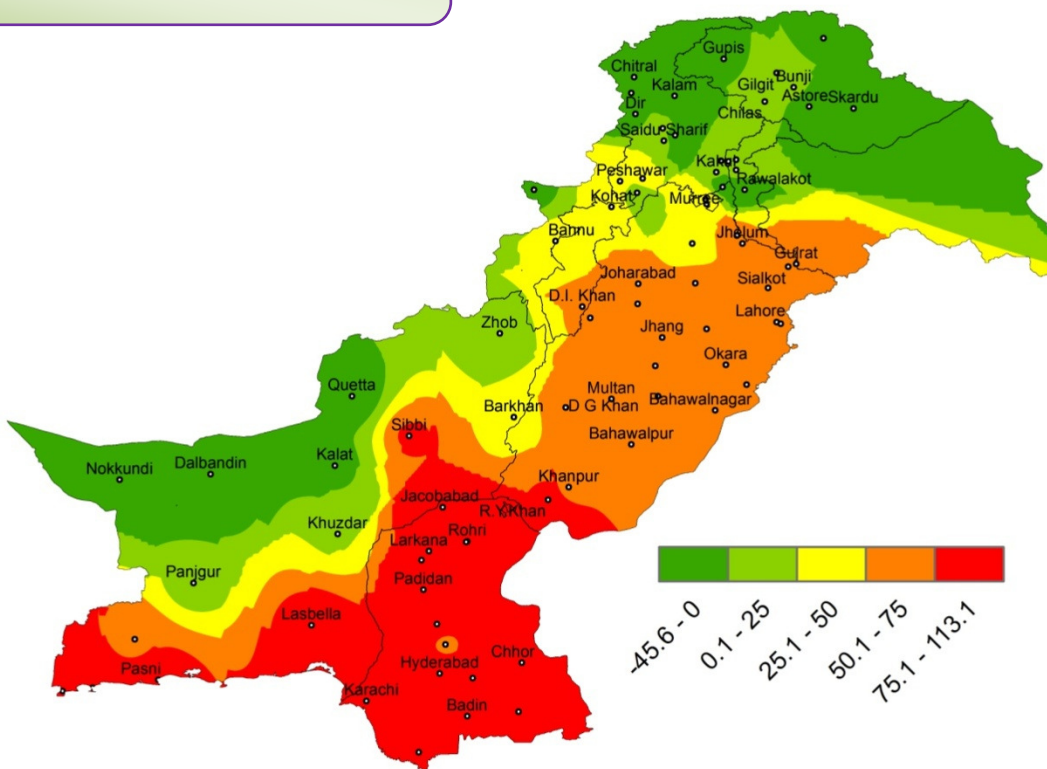
Lowest Minimum Temperature (°C) during the Previous week (3rd to 9th February, 2014)



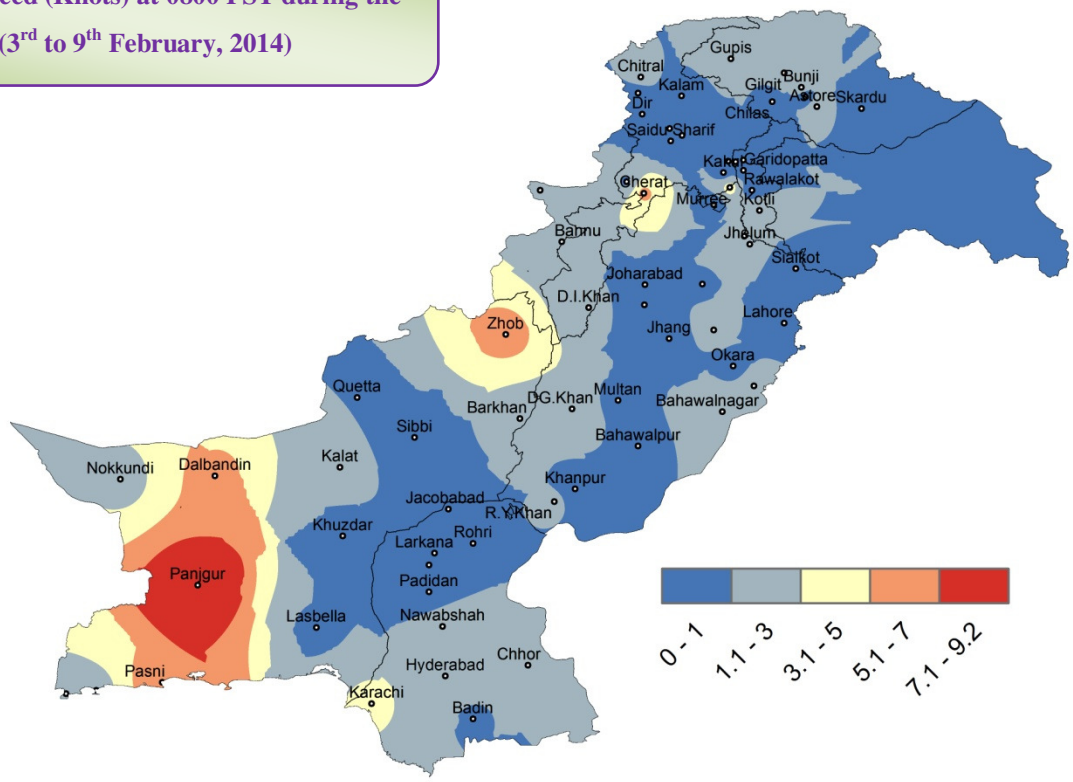
Mean Relative Humidity (%) during the Previous week (3rd to 9th February, 2014)



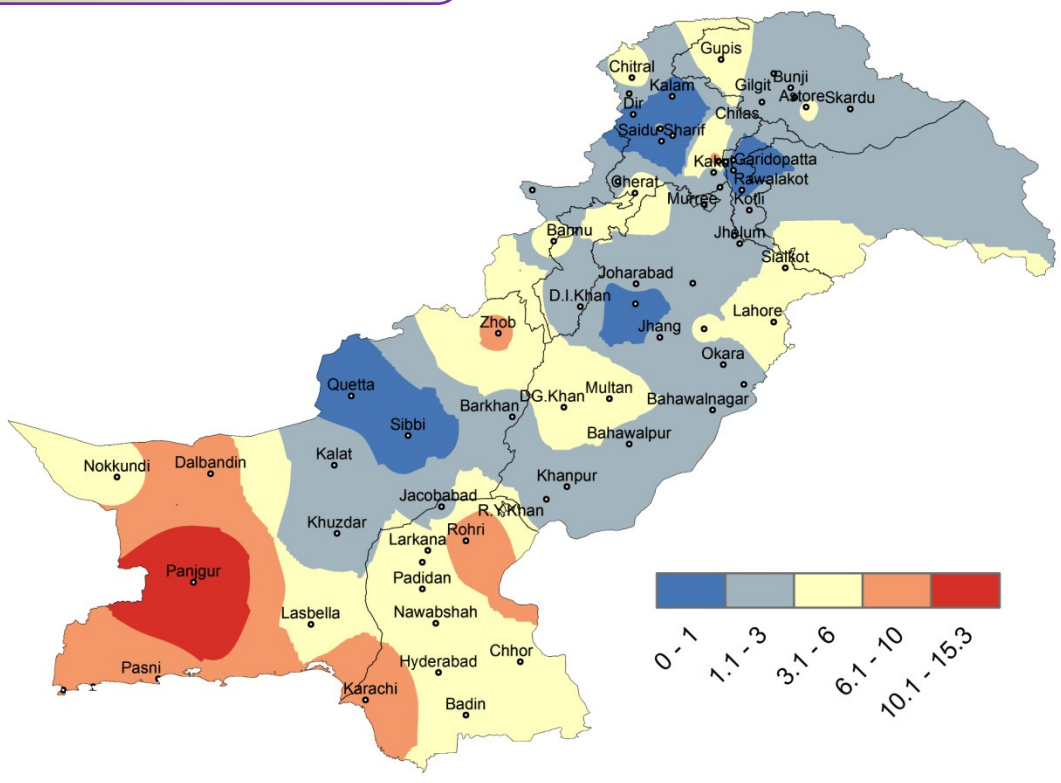
Total Growing Degree Days accumulated during the Previous week (3rd to 9th February, 2014)



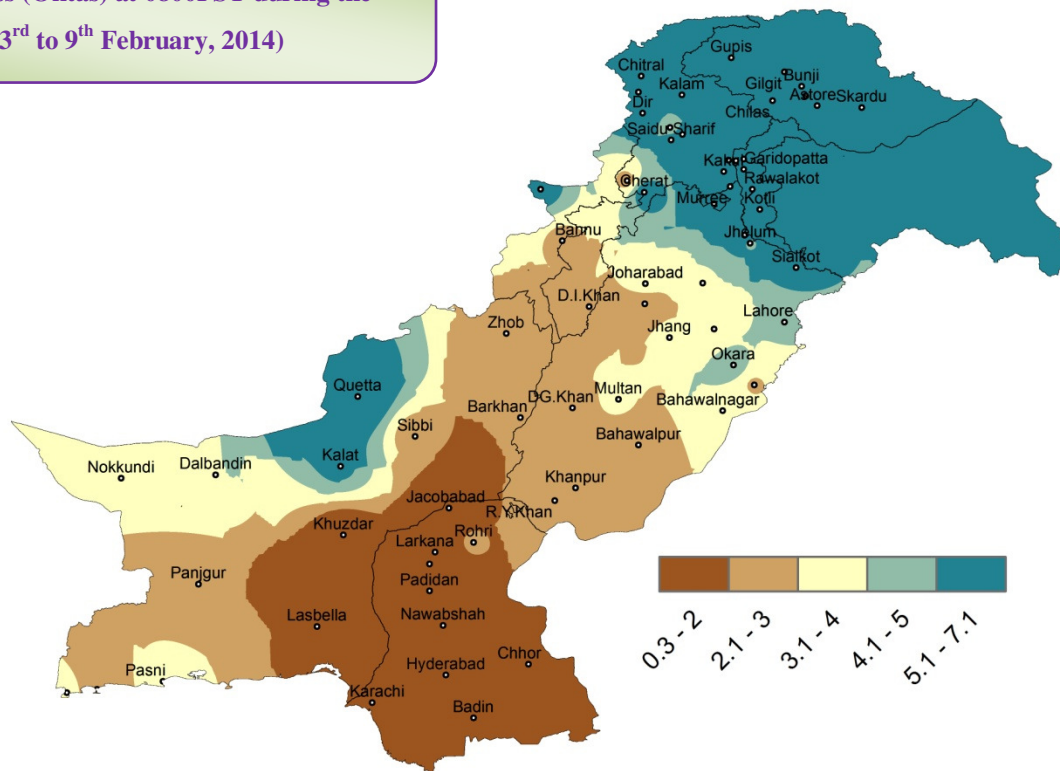
Mean Wind Speed (Knots) at 0800 PST during the Previous week (3rd to 9th February, 2014)



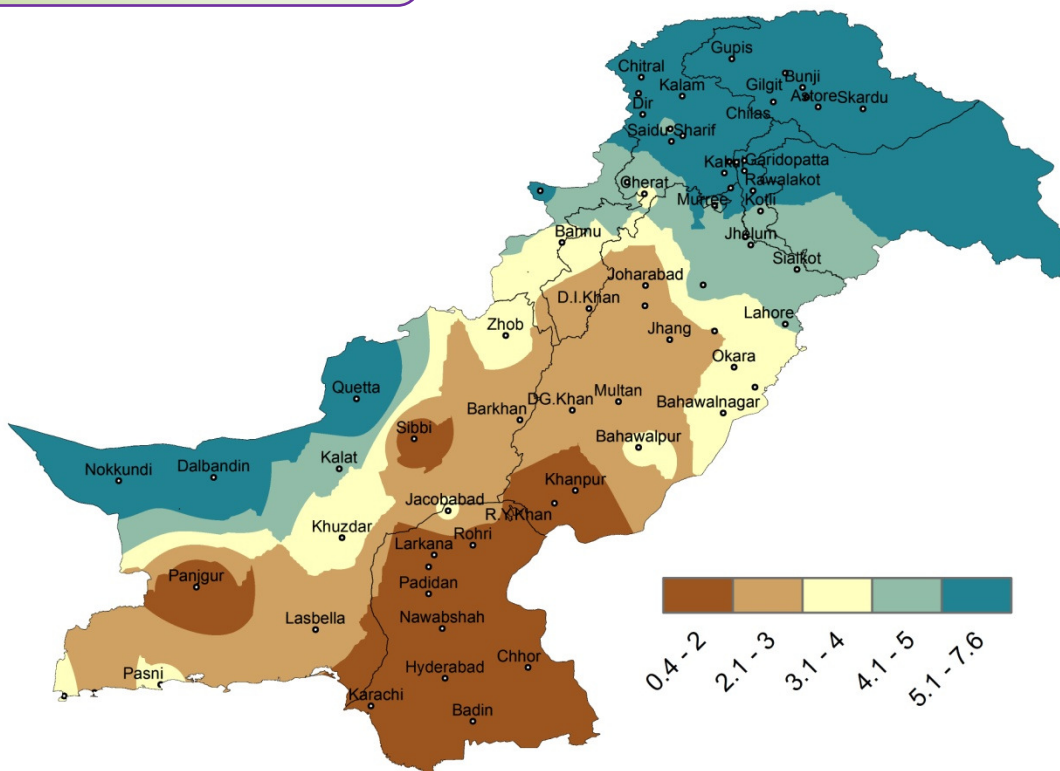
Mean Wind Speed (Knots) at 1700 PST during the Previous week (3rd to 9th February, 2014)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (3rd to 9th February, 2014)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (3rd to 9th February, 2014)



Weekly Weather advisory for Farmers **(From 10th to 16th February, 2014)**

Continental air would prevail over most parts of the country during first half of the week. A shallow westerly trough is affecting Kashmir and adjoining hilly areas and likely to move northeastwards during next 24hours.

A fresh shallow western disturbance is expected to approach upper parts of the country on Thursday and likely to persist till Saturday.

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 is expected at isolated places in Gujranwala and hilly areas of Rawalpindi division tonight & Tuesday morning.

Mostly cloudy weather conditions with light rain is expected at isolated places in Islamabad, Gujranwala, Lahore, Rawalpindi, Sargodha, Bahawalpur divisions on Friday & Saturday morning. Isolated light snowfall is also expected over the hills of Murree and Galliyat during the period.

Morning foggy conditions are expected to prevail over scattered places in plains of Punjab during the week especially on Friday & Saturday.

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 during Monday and from Thursday (night) to Saturday (morning).

Balochistan

Mainly cold (very cold in north Baluchistan) 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 Thursday/Friday.

Sindh

Mainly cold and dry weather is expected in most parts of the province during the week. Mostly cloudy weather is expected in eastern Sindh during Thursday/Friday. Morning foggy conditions are likely to prevail over scattered places in upper Sindh during the week.

Kashmir

Isolated light rain-snowfall is expected in Kashmir tonight & Tuesday (morning). Scattered rain with snowfall is expected during Friday & Saturday. Mainly very cold and dry weather is expected in most parts of Kashmir during rest days of the week.

Gilgit-Baltistan

Isolated light rain-snowfall is expected in Gilgit-Baltistan today & Tuesday morning and from Thursday till Saturday. Very cold and dry weather is expected over most parts of Gilgit-Baltistan during rest 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 3rd to 9th 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	-5.4	-10.5	***	67	0.0	5.4	6.1	2.0	3.7
Badin	13.8	9.5	107.4	58	0.0	1.0	0.4	0.9	4.4
Bahawalnagar	9.9	5.5	72.0	67	6.0	4.0	3.0	2.3	2.3
Bahawalpur	9.3	4.8	72.3	75	13.0	2.2	3.1	0.6	1.7
Balakot	2.6	1.1	16.6	68	78.0	6.0	6.3	1.0	9.3
Bannu	4.5	-0.6	40.3	67	28.0	2.7	3.7	1.3	3.1
Barkhan	2.5	0.5	28.5	46	14.0	2.0	3.0	2.0	1.7
Bunji	4.4	2.9	***	59	1.1	6.9	6.7	2.0	2.6
Cherat	2.2	0.5	***	80	56.1	5.7	3.9	5.4	4.9
Chhor	10.1	6.8	100.6	63	0.0	0.5	1.3	1.3	6.0
Chilas	4.2	3.0	22.5	52	0.2	6.0	5.2	0.3	3.0
Chitral	0.1	-1.0	***	75	15.0	5.4	5.4	2.0	4.3
DG.Khan	9.1	6.9	68.2	72	11.0	2.8	2.0	2.0	5.1
D.I.Khan	6.4	2.0	44.3	64	23.0	2.9	2.3	1.7	1.4
Dalbandin	-2.4	-4.0	***	73	8.0	4.0	6.3	5.3	6.7
Dir	-0.9	-4.5	***	86	102.0	6.0	5.6	0.0	0.0
Drosh	-4.4	-6.0	***	69	21.4	5.6	5.1	0.0	2.0
Faisalabad	8.8	4.5	65.5	64	11.2	3.9	5.7	0.8	1.2
Garidopatta	3.2	2.0	6.3	79	140.0	5.6	5.7	0.0	0.0
Gawader	12.4	10.0	91.3	63	0.0	2.0	2.3	2.5	7.5
Gilgit	1.7	-2.5	***	57	0.4	6.6	5.9	1.7	2.0
Gupis	-4.1	-4.5	***	57	0.0	5.4	5.4	2.3	4.0
Hyderabad	13.5	10.0	106.7	90	0.0	0.5	1.0	2.0	5.6
Islamabad	6.4	3.0	44.1	79	39.1	5.0	4.8	0.0	2.0

Jacobabad	9.1	5.5	79.5	67	3.0	1.2	3.2	0.0	2.0
Jhang	6.4	3.5	***	69	6.0	3.3	2.1	0.3	1.1
Jhelum	8.5	6.1	61.1	70	18.0	4.9	4.6	1.1	3.1
Jiwani	13.6	10.0	90.0	54	0.0	3.5	3.5	2.7	7.0
Joharabad	7.7	5.0	58.5	74	20.0	3.7	2.7	0.6	1.4
Kakul	1.9	0.0	4.8	84	56.0	5.6	5.9	0.0	1.1
Kalam	-6.4	-14.5	***	78	64.0	5.7	5.4	0.0	0.0
Kalat	-2.6	-7.5	***	61	44.0	5.3	4.0	1.7	2.3
Karachi	13.9	9.0	108.2	53	0.0	1.7	1.7	3.3	8.7
Khanpur	8.6	5.2	73.5	73	10.0	2.5	1.7	0.6	1.7
Khuzdar	1.9	0.0	20.3	49	62.0	0.8	3.3	0.7	1.7
Kotli	6.8	5.0	41.5	73	54.0	6.3	4.9	2.6	2.7
Lahore	8.1	5.8	56.1	75	14.2	4.1	4.0	0.3	4.6
Larkana	10.0	8.0	80.0	64	0.0	1.0	1.2	0.7	3.0
Lasbella	10.0	4.5	96.3	44	0.0	1.7	2.3	0.7	5.3
Lower Dir	3.9	1.5	23.0	80	95.0	4.6	4.7	0.0	1.1
Malam Jabba	-3.0	-6.0	***	80	104.0	5.3	6.0	0.0	0.0
M.B Din	8.5	6.0	61.2	78	16.2	3.7	4.4	0.9	1.7
Mangla	7.9	5.6	58.6	74	41.0	5.6	4.7	2.0	1.4
Mir Khani	2.2	0.3	***	61	16.0	5.2	4.9	0.0	0.6
Moinjodaro	8.8	6.0	77.3	62	0.0	1.0	1.7	1.0	4.7
Multan	9.1	6.5	67.0	75	23.0	3.2	2.4	0.7	4.8
Murree	-1.3	-2.5	-24.5	85	79.0	6.0	6.1	3.7	2.0
Muzaffarabad	3.2	1.0	19.0	79	89.1	5.7	5.9	0.0	0.6
Nokkundi	-0.3	-2.2	-4.1	50	8.0	3.0	5.3	2.3	5.3
Noorpurthal	6.4	3.0	63.0	71	14.1	2.0	2.4	0.0	0.0
Okara	8.6	3.8	63.0	75	21.0	4.6	3.1	0.3	2.3
Padidan	9.6	5.5	84.5	62	0.0	0.3	1.7	0.0	3.3
Panjgur	1.4	-1.0	7.3	52	5.0	2.3	1.3	9.2	15.3

Parachinar	-3.2	-5.6	***	74	123.0	5.7	5.1	2.9	2.9
Pasni	14.2	10.0	102.0	49	0.0	3.5	3.2	7.0	8.7
Pattan	1.6	1.0	13.0	85	83.0	5.7	5.0	0.0	0.3
Peshawar	5.2	2.0	41.7	75	29.1	2.6	4.5	0.8	1.7
Quetta	-4.5	-4.5	***	78	25.9	5.9	5.6	3.2	3.4
R.Y.Khan	9.4	5.8	79.2	73	5.2	2.6	1.3	1.1	2.3
Rawalakot	-0.8	-4.0	***	86	83.0	6.2	5.3	0.0	0.6
Rohri	11.2	7.5	86.3	60	0.0	2.2	1.7	1.0	9.8
Rawalpindi	7.5	3.5	42.5	77	40.9	4.7	2.7	0.5	0.8
Sahiwal	7.1	5.0	57.9	74	11.0	2.8	3.0	2.0	2.9
Saidu Sharif	2.6	1.0	10.3	81	94.0	5.3	5.3	0.3	0.6
Sialkot	7.8	5.1	53.4	82	10.2	5.4	4.9	0.0	3.4
Sibbi	10.3	8.0	88.3	43	8.0	2.2	1.3	0.0	0.0
Skardu	-2.0	-4.6	***	70	0.0	6.7	6.3	0.0	1.6
Tandojam	7.5	7.5	94.3	60	0.0	0.0	0.3	0.3	1.0
U.Muhammad	4.2	5.5	***	78	4.2	1.4	2.3	0.0	0.5
Zhob	-0.1	-3.0	***	69	19.0	2.7	3.2	5.7	6.3

*** Shows that data was not available.