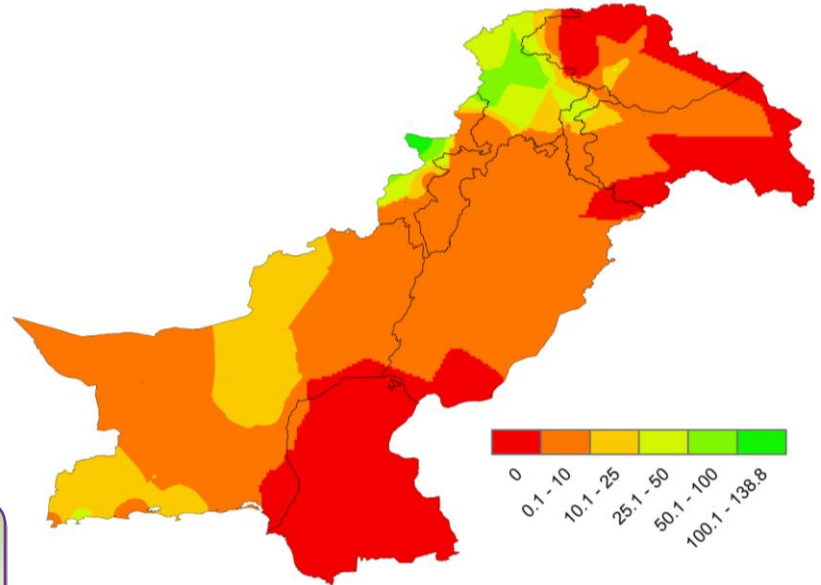


Weekly Weather and Crop Bulletin for Pakistan

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Rainfall Distribution (mm) during the
Previous Week (from 27th Jan to 2nd Feb, 2014)

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Highlights of Past Weather (From 27th Jan to 2nd Feb, 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, Balochistan and Gilgit-Baltistan & Kashmir regions.
- Moderate to heavy rainfall reported in Khyber Pakhtunkhwa.
- Dry weather was reported 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 27th Jan to 2nd Feb, 2014)

Punjab

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 22.4°C & 7.5°C respectively. For the present season average 68.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 70% and wind speed in the morning/evening recorded 0.4/1.3 Knots. During the previous week highest amount of rainfall reported at Islamabad 10.0mm and lowest minimum temperature was recorded 2.0°C at Murree.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 26.9°C & 10.8°C respectively. For the present season average 96.7 growing degree days accumulated by the end of last week. Average relative humidity recorded 58% and wind speed in the morning/evening recorded 1.4/2.6 Knots. During the previous week lowest minimum temperature was recorded 4.7°C at Mithi.

Khyber Pakhtunkhwa

Moderate to heavy rainfall reported in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 17.0°C & 3.7°C respectively. For the present season average 42.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 58% and wind speed in the morning/evening recorded 0.8/1.5 Knots. The highest amount of rainfall was reported at Parachinar 139.0mm and lowest minimum temperature recorded -4.0°C at Parachinar.

Balochistan

Light to moderate rainfall reported at many places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 22.1°C & 7.1°C respectively. For the present season average 70.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 49% and wind speed in the morning/evening recorded 1.5/4.0 Knots. During the previous week highest amount of rainfall reported at Gawadar 29.0mm and lowest minimum temperature recorded -7.0°C at Kalat.

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 14.4°C & -0.3°C respectively. For the present season average 38.8 growing degree days accumulated by the end of last week. Average relative humidity recorded 55% and wind speed in the morning/evening recorded 0.8/1.6 Knots. During the previous week highest amount of rainfall reported at Pattan 49.0mm and lowest minimum temperature recorded -13.6°C at Skardu.

**Past Weather for Major Agricultural Plains
(From 27th Jan to 2nd Feb, 2014)**

Rawalpindi (Potohar region)

Rainfall reported as 9.2mm during the week; however cloudiness in the morning/evening recorded 1.7/2.9 Oktas while, average relative humidity observed 56%. Mean night time temperature recorded 4.5°C & for the present season 62.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.1 Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.4/1.9 Oktas while average relative humidity observed as 69%. Mean night time temperature recorded 8.2°C & for the present season 72.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

Tandojam (Lower Singh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.1/0.3 Oktas while, average relative humidity observed as 60%. Mean night time temperature recorded 7.5°C & for the present season 104.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.4/0.3 Knots.

Quetta (Northern Balochistan)

Rainfall reported as 24.4mm during the week; however cloudiness in the morning/evening recorded 3.0/3.8 Oktas while, average relative humidity observed as 45%. Mean night time temperature recorded 2.7°C & for the present season 28.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.0/2.7 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; while, average relative humidity observed as 75%. Mean night time temperature recorded 11.2°C & for the present season 11.2 growing degree days accumulated by the end of last week.

**Past Weather for Sub-Regional Agricultural
Plains (From 27th Jan to 2nd Feb, 2014)**

Rohri

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.0/1.5 Oktas while, average relative humidity observed as 58%. Mean night time temperature recorded 12.5°C & for the present season 98.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.6/2.3 Knots.

Multan

Rainfall reported as 0.3mm during the week; however cloudiness in the morning/evening recorded 1.8/2.8 Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded 8.8°C & for the present season 78.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/3.0 Knots.

Lahore

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.0/1.7 Oktas while, average relative humidity observed as 78%. Mean night time temperature recorded 8.0°C & for the present season 69.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.4 Knots.

Zhob

Rainfall reported as 4.0mm during the week; however cloudiness in the morning/evening recorded 2.3/2.0 Oktas while, average relative humidity observed as 48%. Mean night time temperature recorded 2.9°C & for the present season 34.8 growing degree days accumulated by the end of last week. speed recorded in the morning/evening as 5.0/8.0 Knots.

D.I. Khan

Rainfall reported as 2.0mm during the week; however cloudiness in the morning/evening recorded 0.0/0.7 Oktas while, average relative humidity observed as 69%. Mean night time temperature recorded 6.9°C & for the present season 70.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

Peshawar

Rainfall reported as 4.2mm during the week; however cloudiness in the morning/evening recorded 3.6/4.2 Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded 6.0°C by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.4 Knots.

Murree

Rainfall reported as 7.0mm during the week; however cloudiness in the morning/evening recorded 3.9/3.4 Oktas while, average relative humidity observed as 44%. Mean night time temperature recorded 2.9°C & for the present season 23.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.3 Knots.

Kalam

Rainfall reported as 73.0mm during the week; however cloudiness in the morning/evening recorded 4.0/4.6 Oktas while, average relative humidity observed as 70%. Mean night time temperature recorded -0.7°C by the end of last week.

Gilgit

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 4.1/4.9 Oktas while, average relative humidity observed as 60%. Mean night time temperature recorded -1.1°C & for the present season 12.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.9 Knots.

Skardu

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 4.5/4.2 Oktas while, average relative humidity observed as 68%. Mean night time temperature recorded -10.4°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 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 *Heading* stage.

Northern Balochistan (Quetta)

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

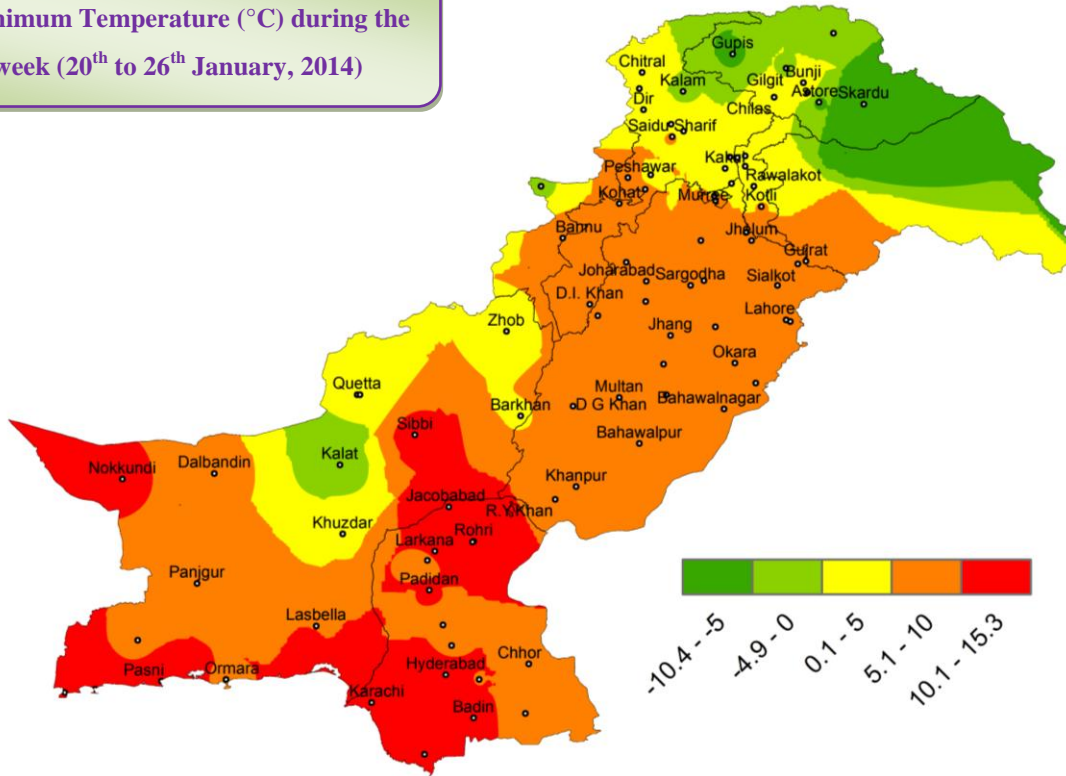
Wheat (Local white): Good condition at 3rd Leaf stage.

Eastern Balochistan (Usta Muhammad)

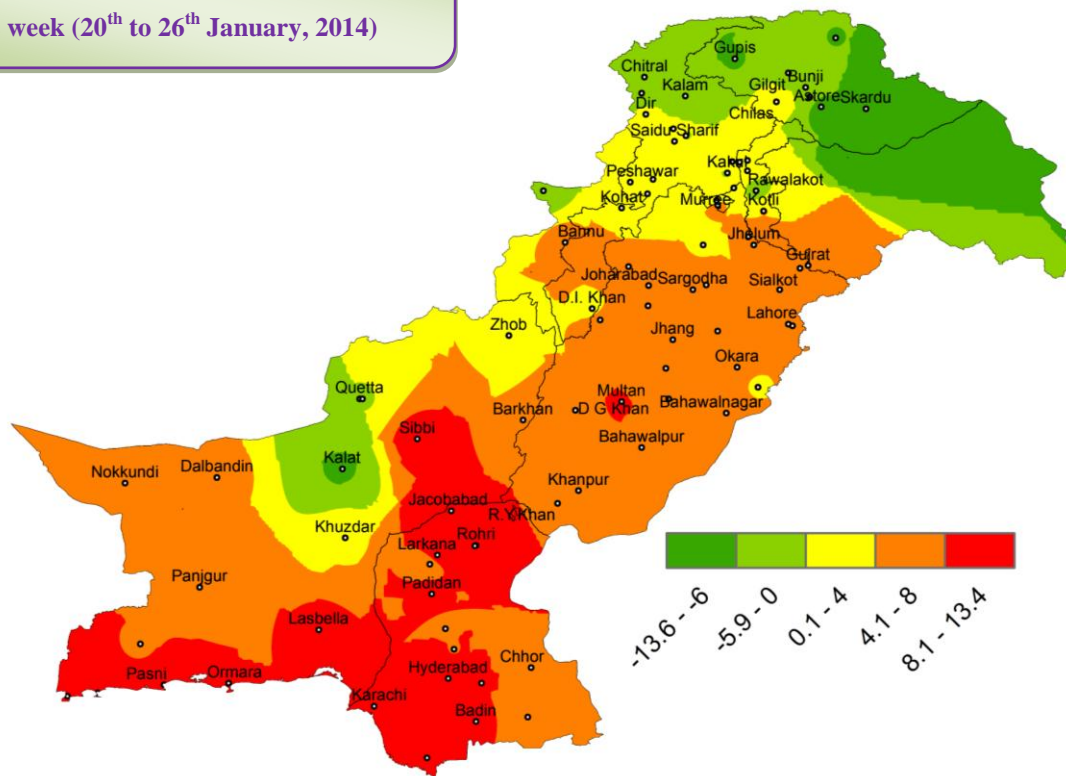
There is presently one crop (irrigated condition) grown in the fields of RMC Usta Muhammad.

Wheat: Good condition at *Tillering* stage.

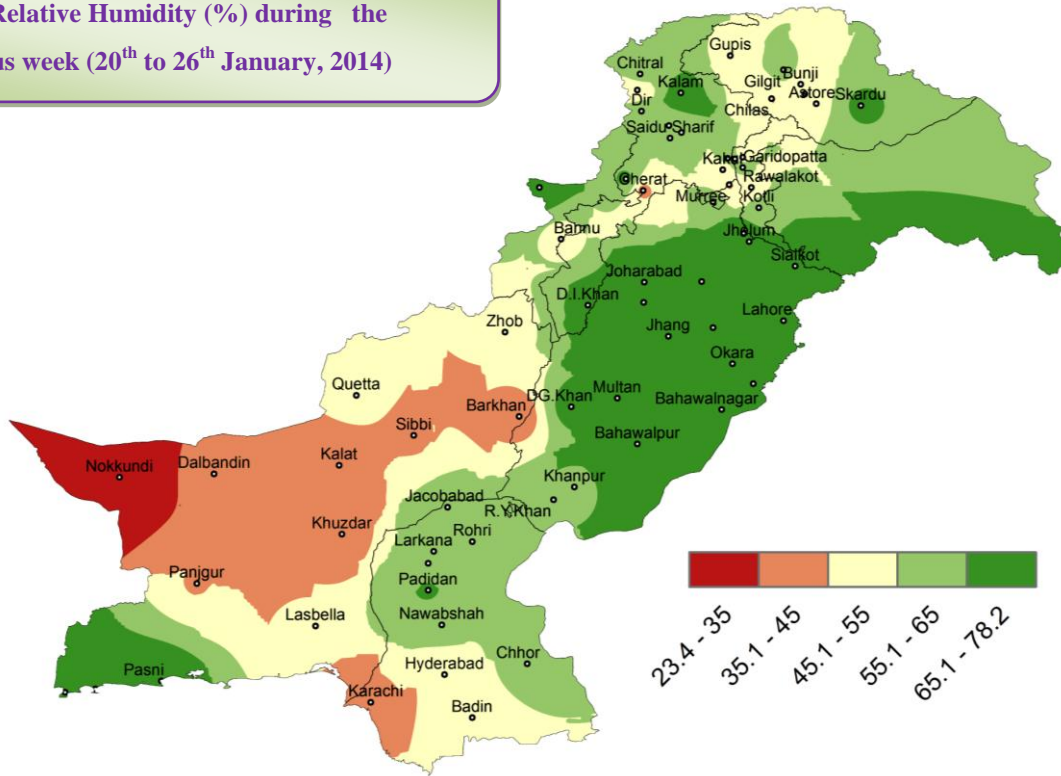
Mean Minimum Temperature (°C) during the Previous week (20th to 26th January, 2014)



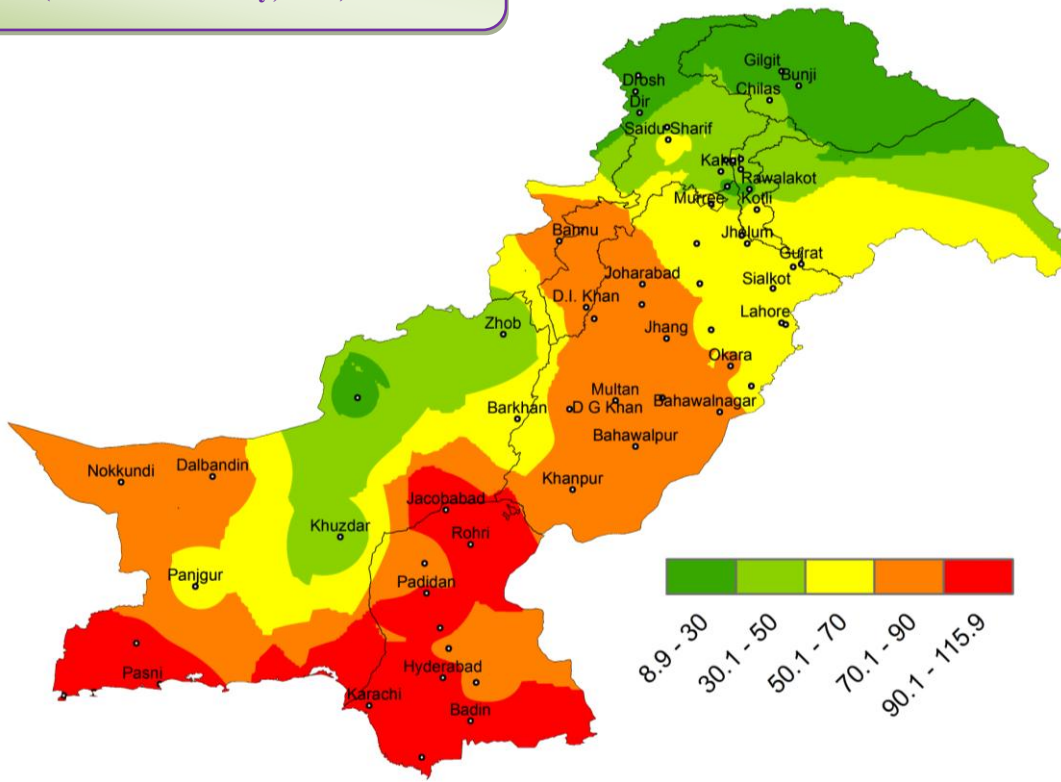
Lowest Minimum Temperature (°C) during the Previous week (20th to 26th January, 2014)



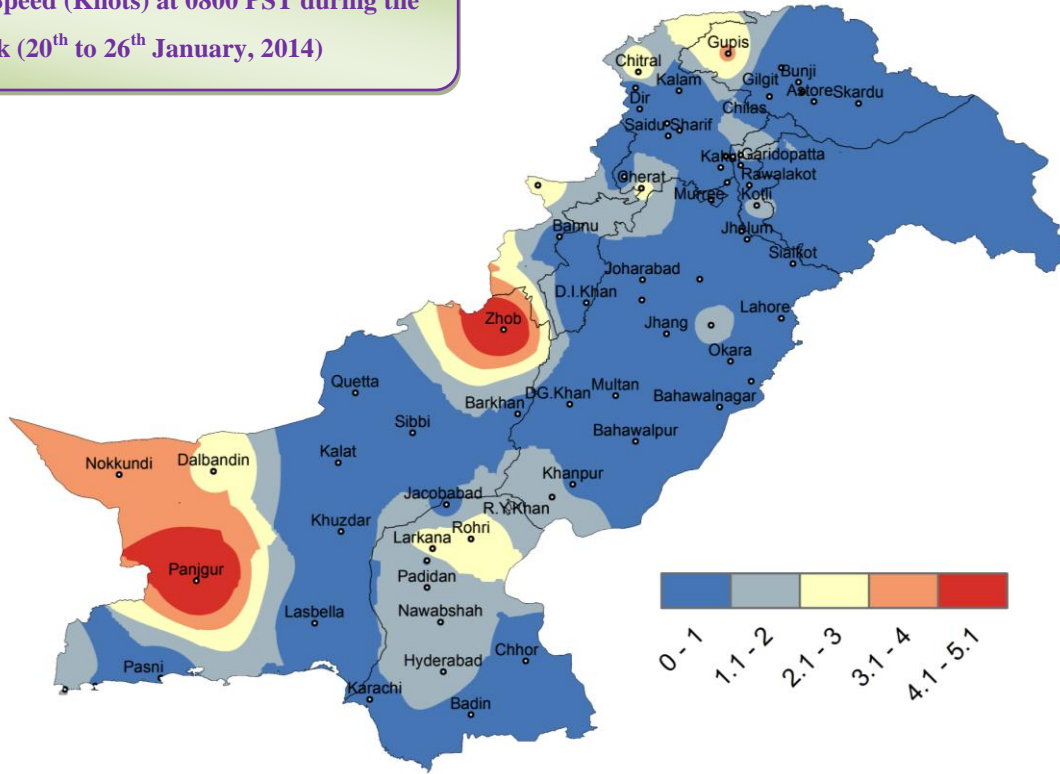
Mean Relative Humidity (%) during the Previous week (20th to 26th January, 2014)



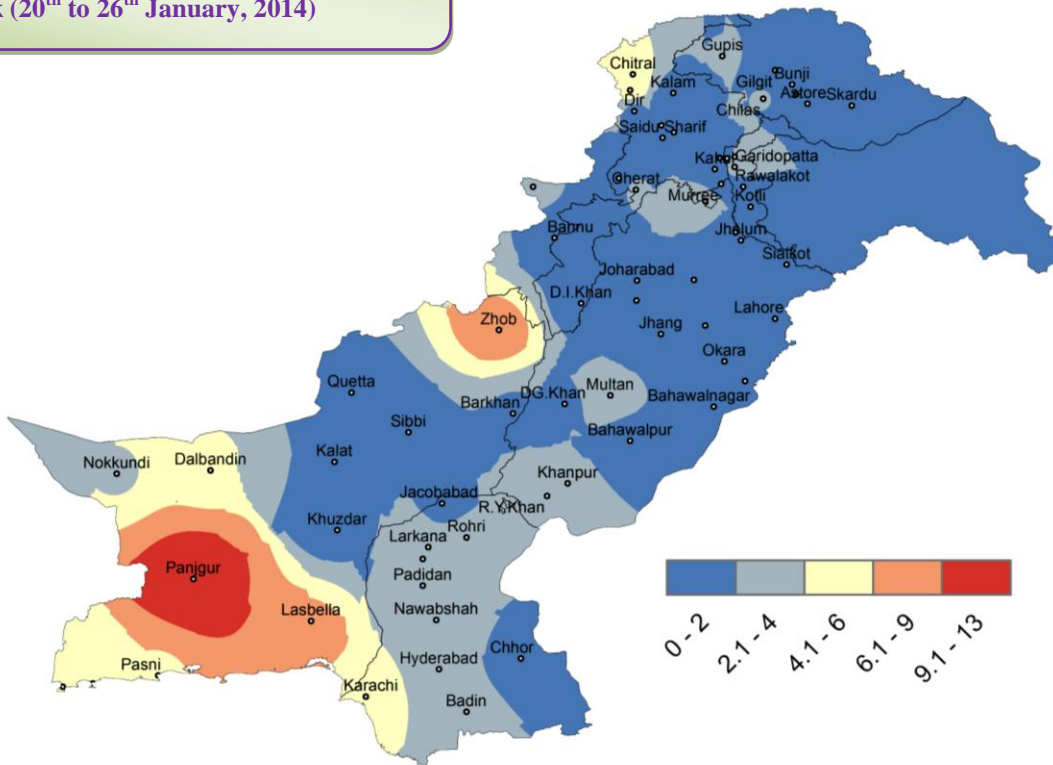
Total Growing Degree Days accumulated during the Previous week (20th to 26th January, 2014)



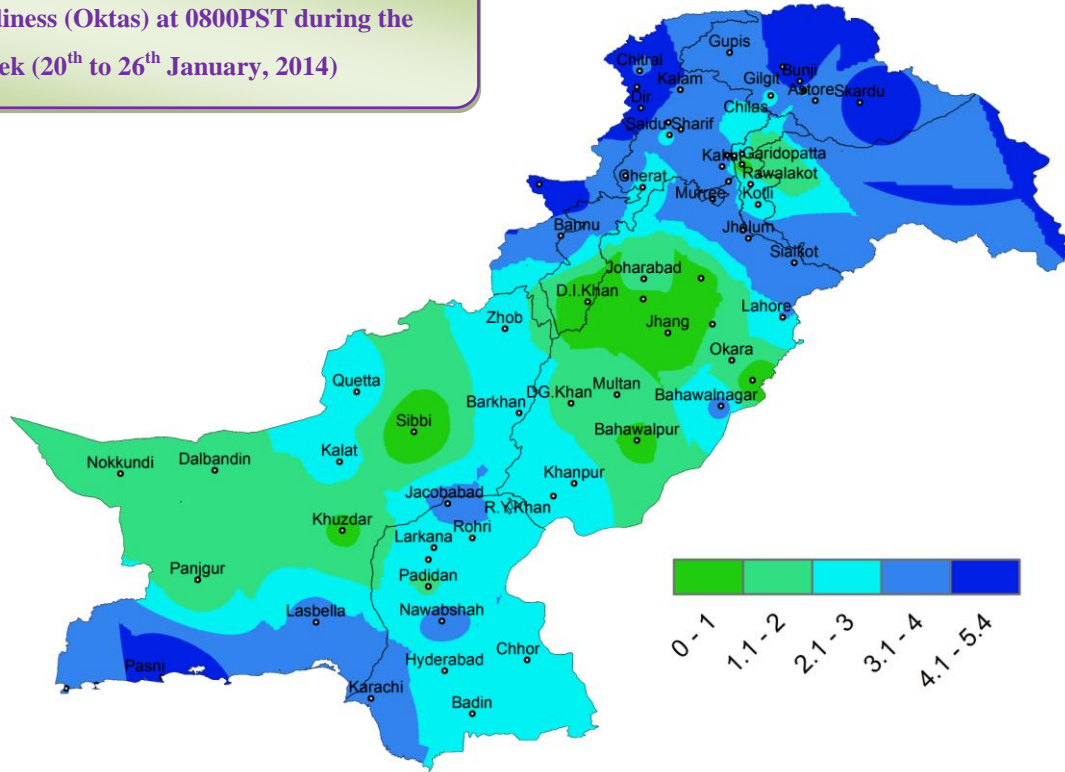
Mean Wind Speed (Knots) at 0800 PST during the Previous week (20th to 26th January, 2014)



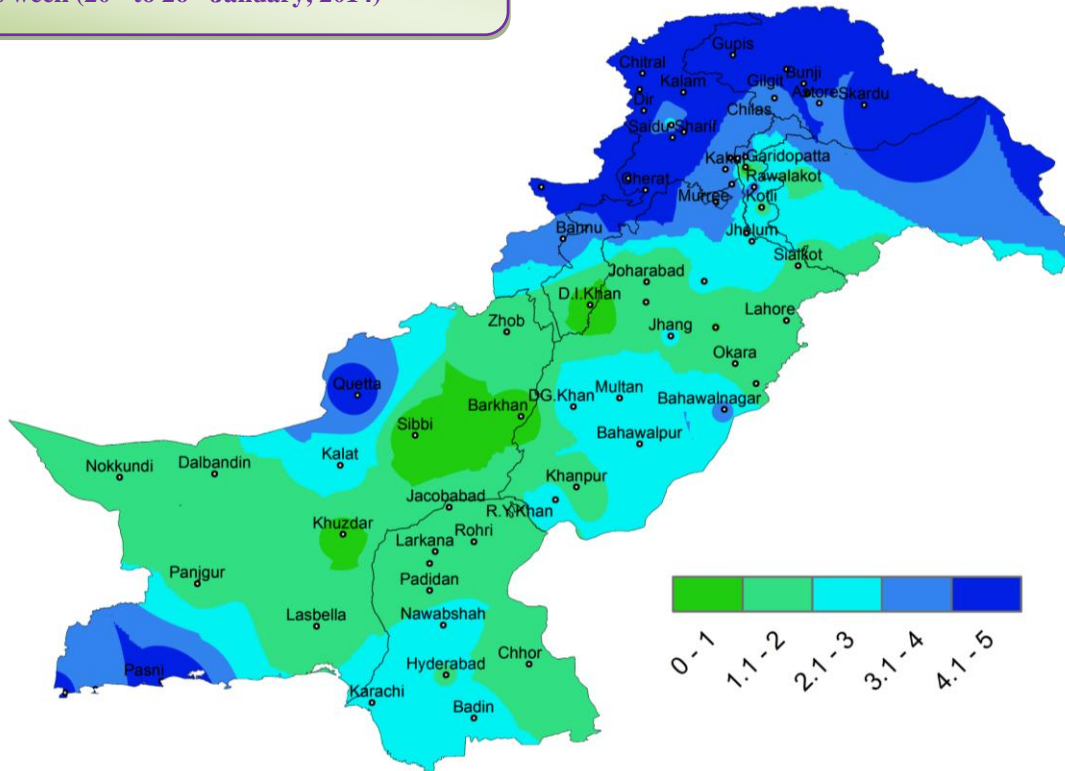
Mean Wind Speed (Knots) at 1700 PST during the Previous week (20th to 26th January, 2014)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (20th to 26th January, 2014)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (20th to 26th January, 2014)



Weekly Weather Advisory for Farmers
(From 3rd to 9th February, 2014)

Western disturbance is affecting upper & central parts of the country and likely to move east northeastwards during next 24-36 hours, however the trough of the current system would prevail over northern areas of the country and its adjoining parts during next 3 days.

A fresh western disturbance is expected to approach Balochistan on Tuesday (night)/Wednesday and likely to grip upper parts on Wednesday that may persist till Friday.

Punjab including Islamabad

Widespread rain is expected in Islamabad, upper Punjab (Gujranwala, Lahore, Rawalpindi and Sargodha divisions) on Monday, while, at isolated places in Islamabad/Rawalpindi, Gujranwala and Lahore divisions on Tuesday/Wednesday. Widespread snowfall is also expected over the hills of Murree, Gallayat & surrounding during Monday/Tuesday. Widespread rain is also expected over Islamabad, Upper Punjab during Thursday and Friday. Cold and dry weather with partly cloudy conditions expected during rest of the week.

Khyber Pakhtunkhwa

Widespread rain (snowfall over the hills) is expected in KP on Monday and at scattered places in Malakand and Hazara divisions on Tuesday/Wednesday. Widespread rain (snowfall over the hills) is also expected over KP during Thursday and Friday.

Balochistan

Thunder-Rain (snowfall over the hills) is expected at isolated places of Makran, Kalat, Quetta and Zhob divisions on Monday/Tuesday, While, at scattered places during Wednesday (night)/Thursday.

Mainly cold (very cold in North Balochistan) and dry weather with partly cloudy conditions expected during rest of the days of the week.

Sindh

Mainly cold and dry weather is expected in most parts of the province during the week. However, partly cloudy weather conditions with chances of light rain drizzle in upper Sindh during Wednesday/Thursday.

Kashmir

Widespread rain-snowfall is expected to continue in Kashmir till Friday. Mainly very cold and dry weather is expected in most parts of Kashmir during the weekend.

Gilgit-Baltistan

Widespread rain-snowfall is expected to continue in Gilgit-Baltistan till Friday, while at isolated places during the weekend.

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 27th Jan to 2nd Feb, 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	-6.4	-9.5	***	54	0.0	3.6	3.8	0.6	1.7
Badin	12.2	9.5	103.1	48	0.0	2.7	2.5	0.3	2.3
Bahawalnagar	9.1	8.0	75.8	77	0.0	3.3	3.1	0.3	0.9
Bahawalpur	8.8	7.8	80.4	70	0.0	0.8	2.9	0.3	1.1
Balakot	3.9	1.4	45.2	57	16.0	3.4	3.6	0.9	0.9
Bannu	8.2	6.4	77.1	51	4.1	3.7	3.6	0.9	0.0
Barkhan	4.6	4.0	51.8	38	4.0	2.9	0.5	0.9	1.3
Bunji	2.6	0.0	23.2	49	0.0	5.1	5.1	0.6	0.6
Cherat	5.1	0.0	***	43	8.0	2.6	4.4	2.3	2.6
Chhor	9.3	7.5	***	61	0.0	2.4	1.2	0.6	1.3
Chilas	4.4	4.0	39.1	45	0.0	2.9	3.3	0.0	2.3
Chitral	2.4	-0.5	18.2	60	36.0	3.9	4.1	3.1	5.1
DG.Khan	9.4	7.3	77.5	70	2.0	1.6	2.4	0.0	1.7
D.I.Khan	6.9	2.0	70.2	69	2.0	0.0	0.7	0.0	0.3
Dalbandin	7.1	6.0	76.5	38	0.1	1.6	1.8	2.9	4.3
Dir	2.2	0.5	25.0	62	70.0	5.3	4.6	0.0	1.1
Drosh	0.2	-1.5	8.8	46	49.0	4.6	5.1	0.0	5.3
Faisalabad	8.2	6.2	72.7	69	0.0	0.4	1.9	0.0	0.3
Garidopatta	2.3	1.5	44.5	58	5.0	0.0	0.0	0.0	2.9
Gawader	12.4	11.5	98.5	72	29.0	3.1	3.3	1.0	5.7
Gupis	-5.9	-6.5	***	51	0.0	3.4	4.9	3.1	2.3
Hyderabad	14.6	13.5	114.9	45	0.0	2.3	2.0	1.7	2.7
Islamabad	4.5	3.0	69.0	62	10.0	3.9	3.3	0.0	4.0
Jacobabad	10.8	9.0	94.8	60	0.0	3.1	1.3	0.6	1.3
Jhang	7.2	6.0	74.0	76	2.0	0.0	2.1	0.0	0.6
Jhelum	6.2	4.4	65.8	68	0.1	3.4	3.0	0.3	0.9

Jiwani	15.4	13.5	106.0	73	6.0	3.3	4.2	1.4	4.7
Joharabad	7.4	6.2	73.1	73	2.0	1.4	2.0	0.3	0.9
Kakul	2.2	-0.4	35.3	51	11.0	3.0	3.9	0.0	0.9
Kalam	-0.7	-3.5	***	70	73.0	4.0	4.6	0.0	0.0
Kalat	-3.9	-7.0	***	40	19.0	2.3	2.7	0.0	1.7
Karachi	13.2	11.7	116.0	43	0.0	3.9	2.8	0.9	6.0
Khanpur	7.2	6.2	80.3	64	0.0	2.4	1.7	0.9	2.0
Khuzdar	4.0	3.0	37.8	37	13.0	0.9	0.8	0.3	0.7
Kotli	5.4	4.2	65.0	58	0.1	2.4	1.9	1.6	1.9
Lahore	8.0	7.3	69.3	78	0.0	3.0	1.7	0.0	1.4
Larkana	12.3	10.0	***	56	0.0	2.7	2.0	3.1	3.0
Lasbella	10.0	9.0	***	46	0.0	3.3	1.3	0.3	6.7
Lower Dir	2.6	0.5	43.8	61	46.0	3.1	2.4	0.9	1.7
Malam Jabba	1.2	-0.5	***	64	40.0	4.0	5.0	0.6	0.6
M.B Din	8.3	6.8	70.1	77	0.1	0.8	2.2	0.3	0.6
Mangla	5.5	4.4	61.7	68	1.0	3.8	2.9	0.0	0.0
Mir Khani	1.6	-3.2	***	47	29.0	2.7	3.8	0.0	0.5
Moinjodaro	8.4	6.0	83.2	64	0.0	2.0	1.5	0.9	3.3
Multan	8.8	8.2	78.8	67	0.3	1.8	2.8	0.0	3.0
Murree	2.9	2.0	23.6	44	7.0	3.9	3.4	0.6	0.3
Muzaffarabad	4.6	3.4	54.1	56	15.1	3.0	3.7	0.0	1.4
Nokkundi	11.0	7.5	85.4	23	0.0	1.6	1.2	3.4	3.7
Noorpurthal	8.6	7.0	88.1	70	1.0	0.8	1.0	0.0	0.0
Okara	8.0	5.0	71.3	78	0.1	2.0	1.8	0.6	0.9
Padidan	10.3	9.0	90.8	66	0.0	1.9	1.8	1.4	2.0
Panjgur	6.4	4.5	65.5	45	0.0	1.3	1.8	5.1	13.0
Parachinar	-1.0	-4.0	***	73	139.0	5.0	4.7	2.7	3.3
Pasni	14.1	12.5	99.3	71	4.0	5.4	4.7	0.3	5.3
Pattan	4.8	3.0	46.0	52	49.0	2.3	3.7	2.6	2.3
Peshawar	6.0	4.0	***	67	4.2	3.6	4.2	0.6	0.4
Quetta	2.7	-0.5	28.6	45	24.4	3.0	3.8	3.0	2.7

R.Y.Khan	9.2	7.2	***	65	0.0	2.2	2.3	1.7	3.4
Rawalakot	-0.2	-2.0	25.9	52	6.0	2.3	3.3	0.0	1.4
Rohri	12.5	10.5	98.6	58	0.0	3.0	1.5	2.6	2.3
Rawalpindi	4.5	3.0	62.0	56	9.2	1.7	2.9	0.3	1.1
Sahiwal	6.1	3.5	63.9	78	0.1	0.0	1.7	0.9	1.1
Saidu Sharif	6.1	4.5	56.0	55	43.0	2.7	5.1	0.6	0.0
Sialkot	7.9	4.8	62.8	73	0.0	3.7	1.9	0.0	0.9
Sibbi	12.8	11.5	***	44	1.0	0.0	0.0	0.0	0.0
Skardu	-10.4	-13.6	***	68	0.0	4.5	4.2	0.0	0.0
Tandojam	7.5	8.5	104.5	60	0.0	2.1	0.3	0.4	0.3
U.Muhammad	11.2	9.0	95.5	75	0.0	2.7	2.4	0.0	0.0
Zhob	2.9	2.0	34.8	48	4.0	2.3	2.0	5.0	8.0

*** Shows that data was not available.