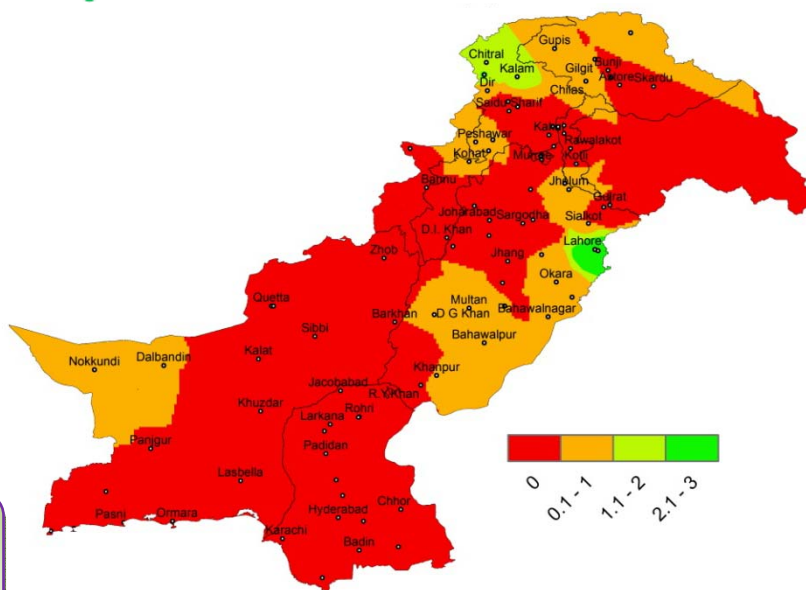


Weekly Weather and Crop Bulletin for Pakistan

**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 13th to 19th January, 2014)**

Highlights of Past Weather (from 13th to 19th January, 2014)

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 isolated places in Balochistan.
- Light rainfall reported at few places in Punjab, Gilgit-Baltistan & Kashmir regions, and Khyber Pakhtunkhwa.
- Dry weather was reported in Sindh.

<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

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

Past Weather of Provinces (from 13th to 19th**January, 2014)****Punjab**

Light rainfall reported at few places in Punjab during the week. Weekly maximum and minimum temperatures recorded 19.4°C & 4.8°C respectively. For the present season average 49.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 71% and wind speed in the morning/evening recorded 0.3/1.3 Knots. The highest amount of rainfall reported at Lahore 3.1mm and lowest minimum temperature recorded -3.0°C at Murree.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 24.2°C & 6.9°C respectively. For the present season average 73.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 57% and wind speed in the morning/evening recorded 0.9/3.8 Knots. During the previous week, the lowest minimum temperature recorded 1.0°C at Moinjodaro.

Khyber Pakhtunkhwa

Light rainfall reported at few places in Khyber Pakhtunkhwa province during the week. Weekly maximum and minimum temperatures recorded 15.2°C & 1.0°C respectively. For the present season average 4.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 55% and wind speed in the morning/evening recorded 0.8/2.0 Knots. The highest amount of rainfall was reported at Drosh 2.2mm and lowest minimum temperature recorded -12.2°C at Parachinar.

Balochistan

Light to moderate rainfall reported at isolated places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 19.7°C & 3.9°C respectively. For the present season average 60.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 46% and wind speed in the morning/evening recorded 1.4/4.4 Knots. During the previous week highest amount of rainfall reported at Nokkundi 1.0mm and lowest minimum temperature recorded -7.0°C at Kalat.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light rainfall reported at few places in Gilgit-Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 11.7°C & -2.0°C respectively. For the present season average 28.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 61.3% and wind speed in the morning/evening recorded 0.9/1.3 Knots. During the previous week highest amount of rainfall reported at Hunza 0.4mm and lowest minimum temperature recorded -11.5°C at Astore.

Past Weather for Major Agricultural Plains
(from 13th to 19th January, 2014)

Rawalpindi (Potohar region)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.8/2.0 Oktas while, average relative humidity observed 67%. Mean night time temperature recorded 2.9°C & for the present season 39.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.0/1.1 Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 6.6/2.7 Oktas while, average relative humidity observed as 65%. Mean night time temperature recorded 6.2°C & for the present season 56.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/0.5 Knots.

Tandojam (Lower Singh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.0/0.9 Oktas while, average relative humidity observed as 54%. Mean night time temperature recorded 7.5°C & for the present season 71.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/1.4 Knots.

Quetta (Northern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.3/2.4 Oktas while, average relative humidity observed as 41%. Mean night time temperature recorded -0.6°C & for the present season 6.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.2/3.0 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.6/0.0 Oktas while, average relative humidity observed as 68%. Mean night time temperature recorded 7.7°C & for the present season 74.8 growing degree days accumulated by the end of last week.

Past Weather for Sub-Regional Agricultural Plains (from 13th to 19th January, 2014)

Rohri

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.7/0.4 Oktas while, average relative humidity observed as 53%. Mean night time temperature recorded 8.7°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 0.3/2.0 Knots.

Multan

Rainfall reported as 0.5mm during the week; however cloudiness in the morning/evening recorded 3.6/2.4 Oktas while, average relative humidity observed as 66%. Mean night time temperature recorded 6.2°C & for the present season 43.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.3 Knots.

Lahore

Rainfall reported as 3.1mm during the week; however cloudiness in the morning/evening recorded 5.8/3.4 Oktas while, average relative humidity observed as 76%. Mean night time temperature recorded 6.9°C & for the present season 41.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.6 Knots.

Zhob

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.4/1.1 Oktas while, average relative humidity observed as 41%. Mean night time temperature recorded 0.1°C by the end of last week. Wind speed recorded in the morning/evening as 4.3/5.6 Knots.

D.I. Khan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.7/1.7 Oktas while, average relative humidity observed as 60%. Mean night time temperature recorded 4.1°C & for the present season 38.6 growing degree days accumulated by the end of last week.

Peshawar

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 1.9/3.7 Oktas while, average relative humidity observed as 65%. Mean night time temperature recorded 3.7°C & for the present season 36.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.9 Knots.

Murree

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.1/5.4 Oktas while, average relative humidity observed as 61%. Mean night time temperature recorded -1.7°C by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.6 Knots.

Kalam

Rainfall reported as 2.0mm during the week; however cloudiness in the morning/evening recorded 3.7/3.6 Oktas while, average relative humidity observed as 65%. Mean night time temperature recorded -4.2°C by the end of last week.

Gilgit

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 4.4/4.9 Oktas while, average relative humidity observed as 68%. Mean night time

temperature recorded -4.0°C by the end of last week.

Skardu

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 5.6/5.7 Oktas while, average relative humidity observed as 74%. Mean night time temperature recorded -8.4°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 one crop (irrigated conditions) grown in the fields of RMC Rawalpindi as detailed below.

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

Central Punjab (Faisalabad)

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

Wheat: Very good condition at *Shooting* stage.

Lower Sindh (Tandojam)

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

Wheat (TD-1): Good condition at *Tillring* stage.

Northern Balochistan (Quetta)

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

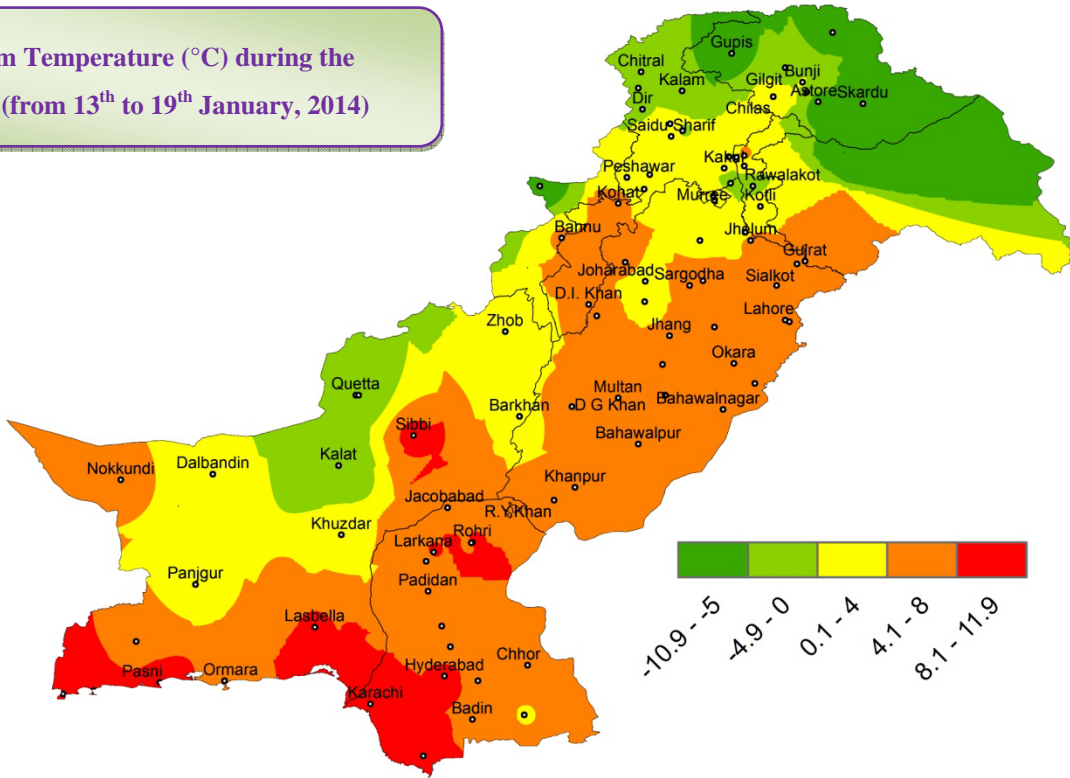
Wheat (Local white): Good condition at *Third leaf* stage.

Eastern Balochistan (Usta Muhammad)

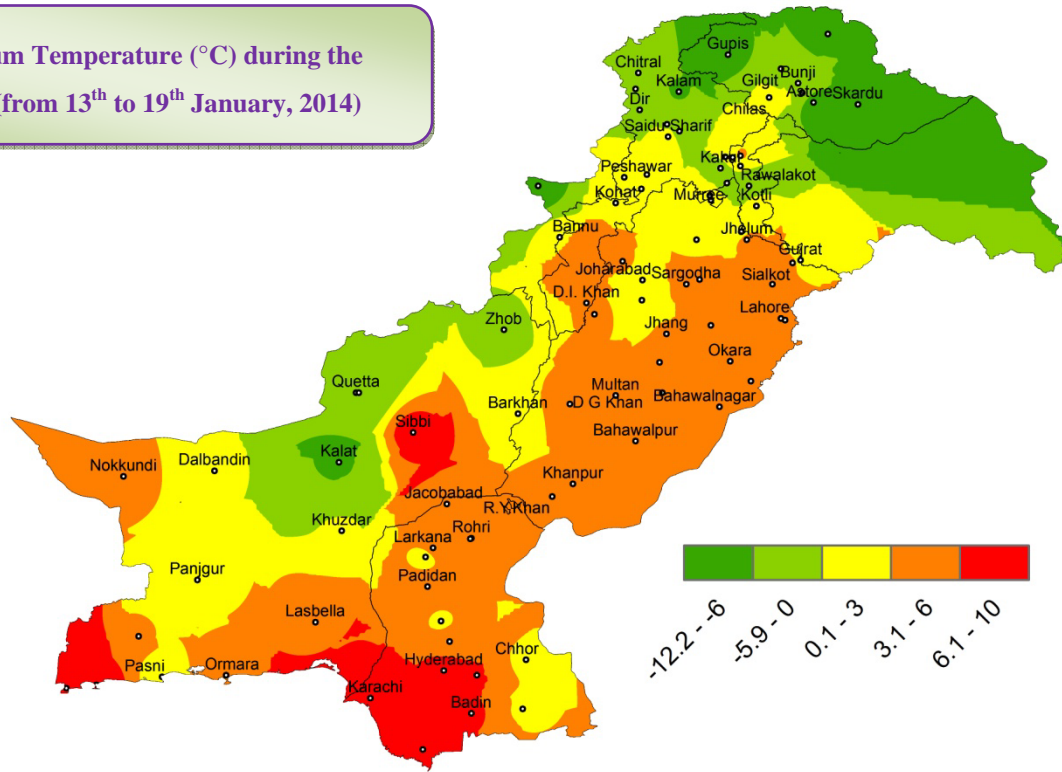
There is presently one crop (irrigated condition) grown in the fields of RMC Usta Muhammad.

Wheat: Good condition at *Third Leaf* stage.

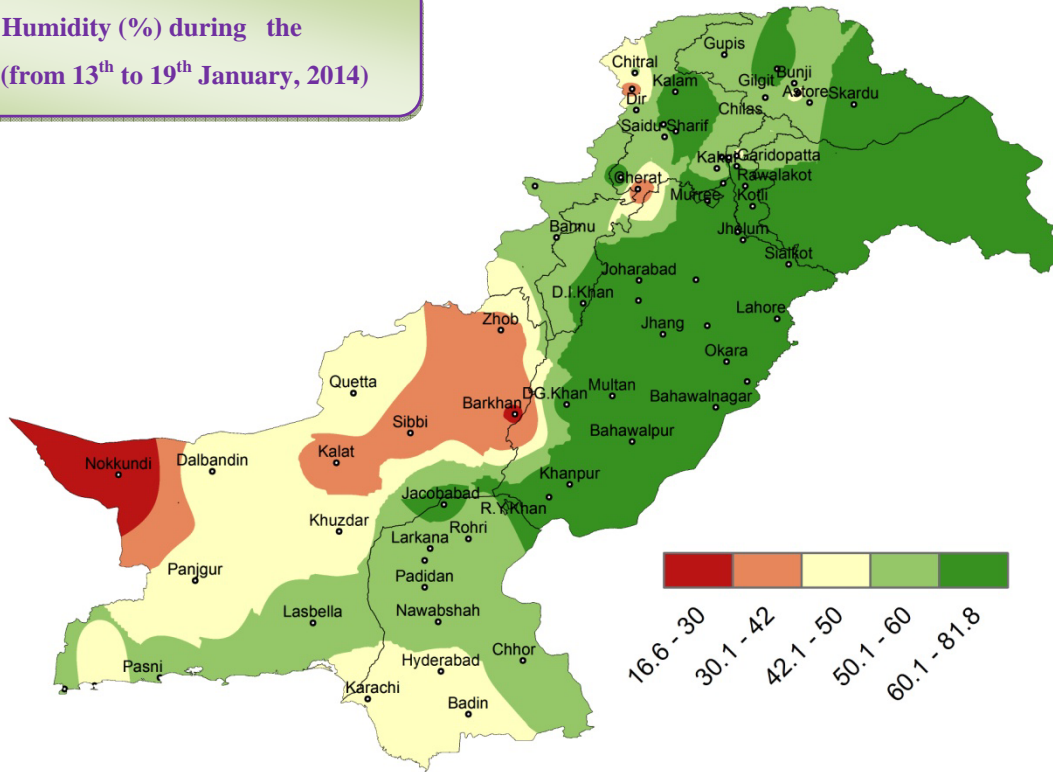
Mean Minimum Temperature (°C) during the Previous week (from 13th to 19th January, 2014)



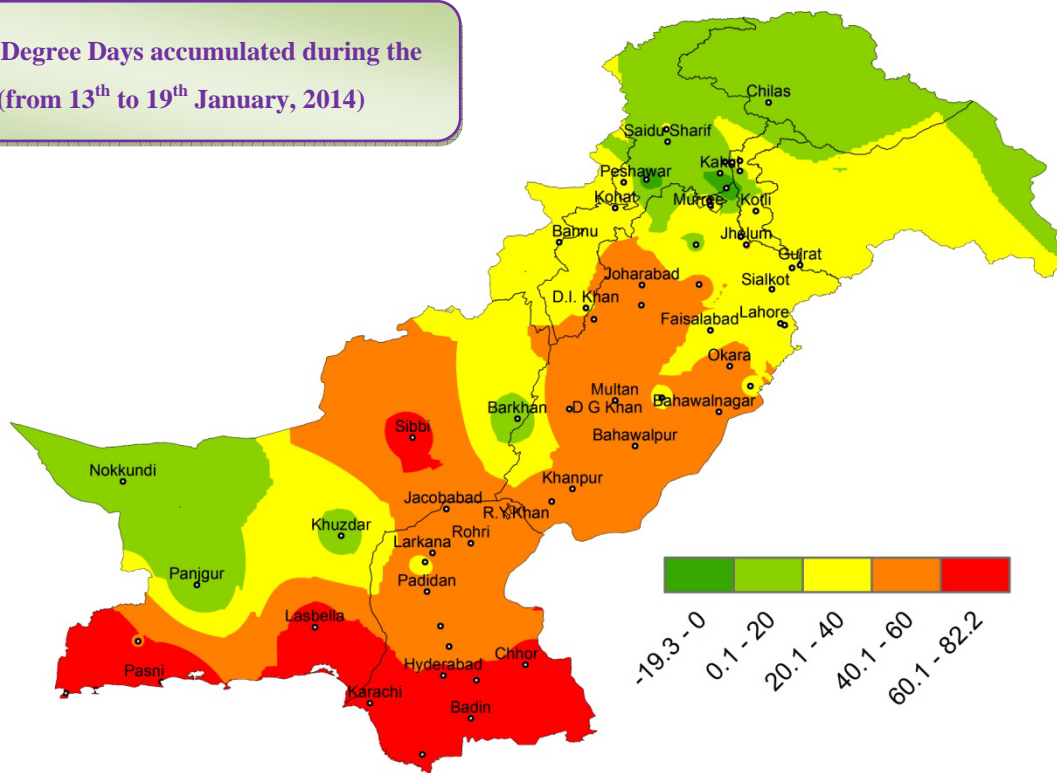
Lowest Minimum Temperature (°C) during the Previous week (from 13th to 19th January, 2014)



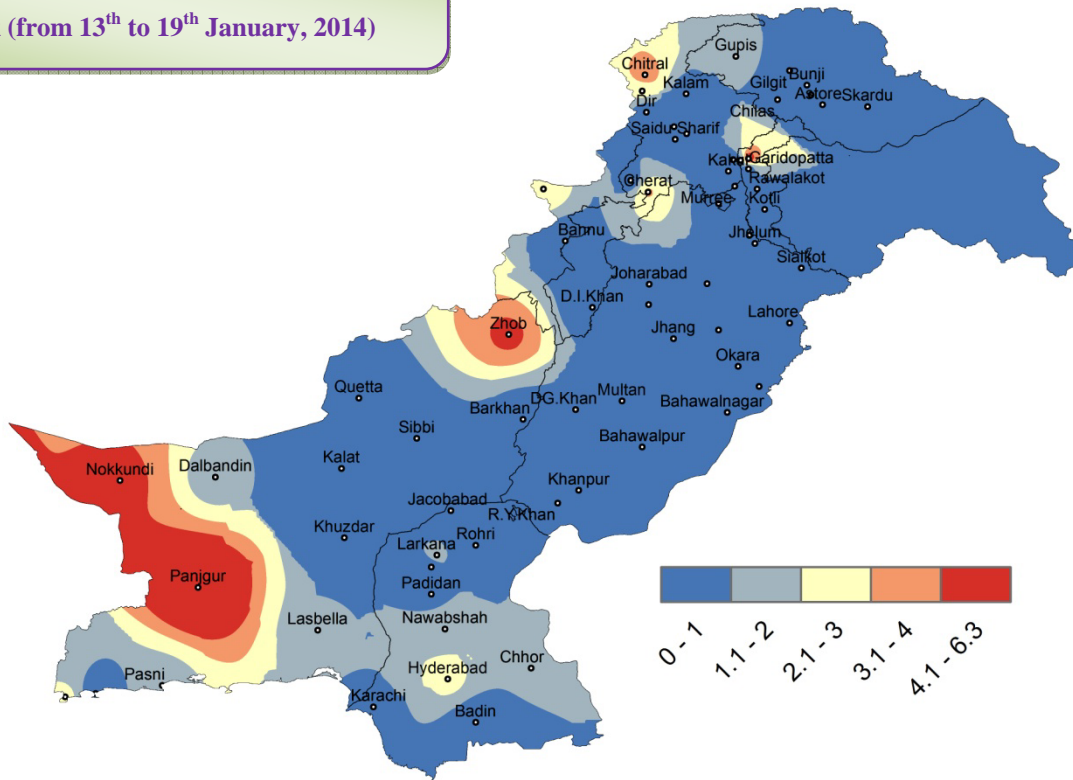
Mean Relative Humidity (%) during the Previous week (from 13th to 19th January, 2014)



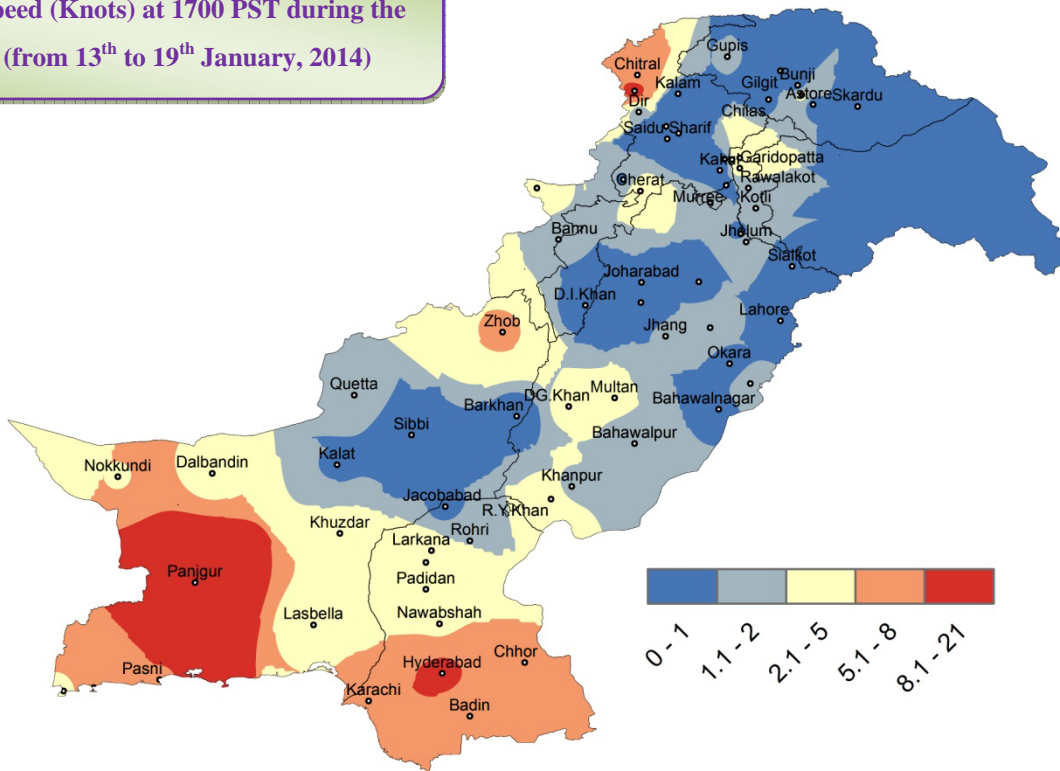
Total Growing Degree Days accumulated during the Previous week (from 13th to 19th January, 2014)



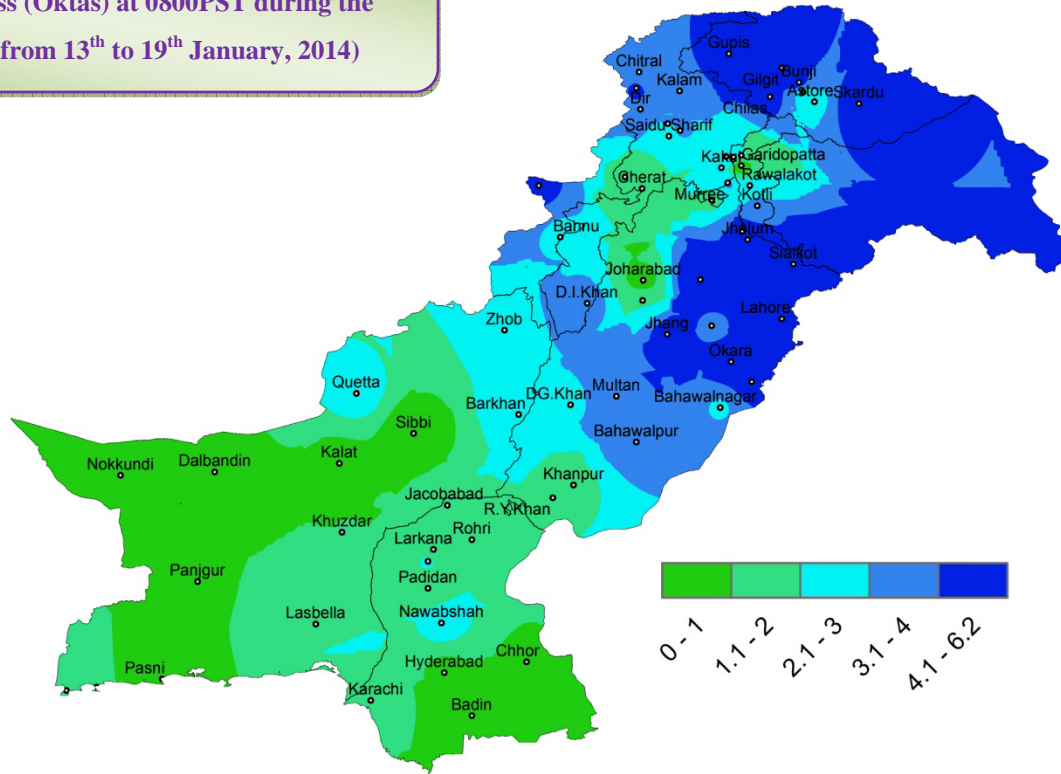
Mean Wind Speed (Knots) at 0800 PST during the Previous week (from 13th to 19th January, 2014)



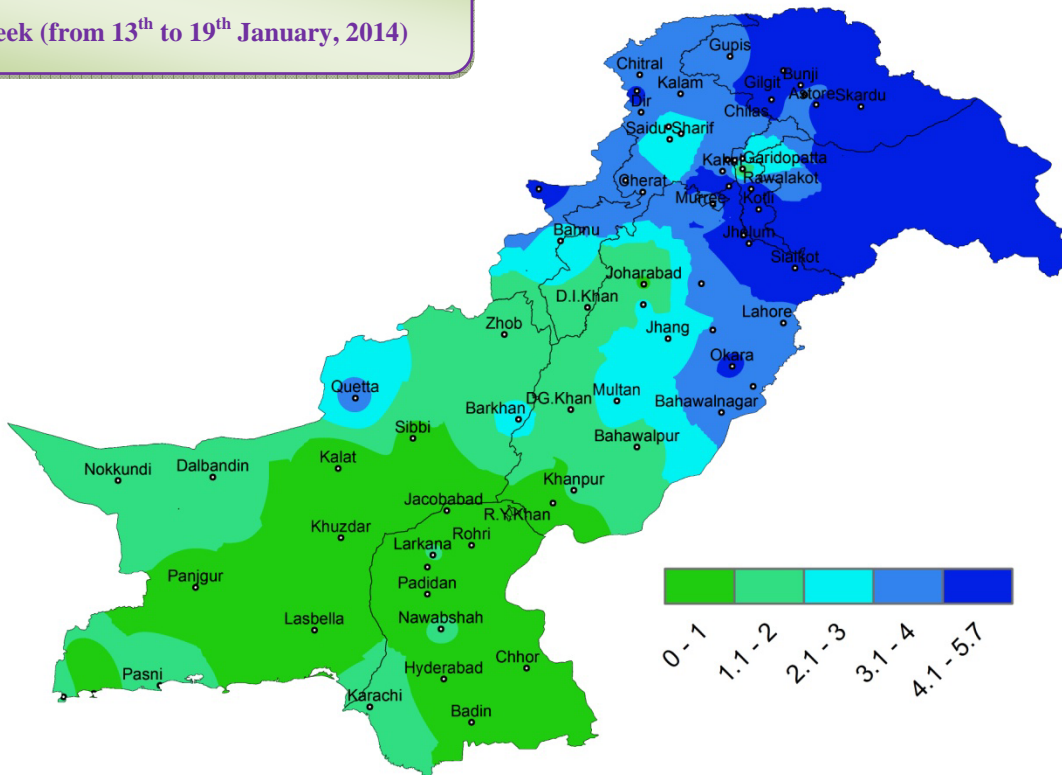
Mean Wind Speed (Knots) at 1700 PST during the Previous week (from 13th to 19th January, 2014)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 13th to 19th January, 2014)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (from 13th to 19th January, 2014)



Weekly Weather Advisory for Farmers**(From 20th to 26th January, 2014)**

A shallow westerly wave is affecting western parts of Balochistan and expected to extend to upper parts of the country from Tuesday (afternoon/evening) that may persist till Thursday (Morning).

Continental air would prevail over most parts of the country, whereas, shallow westerly trough would continue to affect northernmost areas of the country (Malakand division and Gilgit-Baltistan) during second half of the weekend.

Punjab including Islamabad

Mainly cold and dry weather is expected in most parts of the province during the week. However, partly cloudy to cloudy weather conditions would prevail over Islamabad and upper/central Punjab during next 2 days and light rain/drizzle is expected at isolated places of (Gujranwala, Lahore, Rawalpindi and Sargodha divisions) during Tuesday (evening/night)/Wednesday. Light snowfall is also expected at few places over the hills of Murree, Galayat and surrounding during the period. Foggy conditions are expected to remain subside during next 2 days; however its intensity would increase in plain of Punjab from mid of the week.

Khyber Pakhtunkhwa

Mainly cold (very cold in upper parts) and dry weather is expected in most parts of the province during the week. However, partly cloudy to cloudy weather conditions would prevail in most parts of province during first half of the week and light rain (snowfall over the hills) is expected at isolated places of upper KP (Malakand and Hazara divisions) during Tuesday/Wednesday and again during the weekend.

Balochistan

Light rain with (light snowfall over the hills) is expected at isolated places of Makran, Kalat, Quetta and Zhob divisions during Monday & Tuesday. Mainly cold (very cold in North

Balochistan) and dry weather is expected in most parts of the province 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.

Gilgit-Baltistan

Mostly cloudy weather conditions with light rains (with light snowfall over the hills) are expected at isolated places of Gilgit-Baltistan during Tuesday to Thursday and again on Saturday/Sunday.

Very cold and dry/partly cloudy weather is expected in most parts of GB during rest of the days of the week.

Kashmir

Mostly cloudy weather conditions with light rains (with light snowfall over the hills) are expected at isolated places of Kashmir Tuesday to Thursday and again on Sunday.

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 13th to 19th January, 2014)**

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	-9.6	-11.5	***	60	0.0	2.7	4.3	0.9	0.6
Badin	7.5	6.5	67.5	44	0.0	0.0	1.0	0.0	5.9
Bahawalnagar	7.1	4.7	49.3	72	0.0	2.8	3.1	0.0	0.9
Bahawalpur	6.7	3.9	46.0	68	0.1	4.0	1.7	0.0	1.1
Balakot	1.9	0.3	11.9	60	0.0	2.3	4.0	0.0	0.3
Bannu	4.6	3.0	33.5	51	0.0	2.7	2.7	0.0	1.4
Barkhan	2.4	0.5	10.8	29	0.0	2.7	2.1	0.0	0.0
Bunji	0.2	-0.8	***	57	0.0	5.0	5.1	0.3	0.3
Cherat	2.9	2.0	***	36	0.0	1.6	3.1	3.1	3.1
Chhor	4.2	2.5	61.0	59	0.0	0.7	0.5	1.1	5.0
Chilas	3.4	2.5	5.0	56	0.1	4.3	4.1	0.6	0.9
Chitral	-0.3	-3.0	***	51	1.0	3.1	3.3	3.7	6.9
D.I.Khan	4.1	3.0	38.6	60	0.0	3.7	1.7	0.0	0.0
Dalbandin	2.3	1.0	***	48	0.0	0.5	2.0	1.3	3.4
Dir	-0.5	-2.0	***	54	0.0	4.0	4.0	0.0	0.9
Drosh	-1.8	-2.5	***	38	2.2	4.1	4.1	2.3	9.6
Faisalabad	6.2	4.5	56.8	65	0.0	6.6	2.7	0.5	0.5
Garidopatta	0.6	0.0	16.3	63	0.0	0.0	0.6	0.0	2.6
Gawader	10.7	10.0	82.2	42	0.0	1.0	0.7	0.3	6.3
Gilgit	-4.0	-5.5	***	68	0.0	4.4	4.9	0.0	0.0
Gupis	-7.9	-8.5	***	52	0.0	4.6	3.7	1.7	1.1
Hyderabad	9.4	8.0	66.4	44	0.0	0.7	0.4	2.3	8.9
Islamabad	2.7	2.0	21.6	73	0.0	1.7	3.6	0.3	1.7
Jacobabad	6.7	5.0	57.9	63	0.0	1.9	0.3	0.6	0.6
Jhang	4.5	3.2	***	71	0.0	4.8	2.4	0.3	1.1
Jhelum	4.8	3.9	40.9	69	0.1	5.2	4.7	0.0	2.0
Jiwani	11.9	10.0	67.8	57	0.0	1.7	1.1	2.3	4.6

Joharabad	2.9	1.7	50.4	76	0.0	0.3	0.9	0.0	0.9
Kakul	0.3	-1.5	-2.2	54	0.0	2.0	3.7	0.0	0.6
Kalam	-4.2	-6.7	***	65	2.0	3.7	3.6	0.0	0.0
Kalat	-4.8	-7.0	***	40	0.0	0.6	0.0	0.0	0.9
Karachi	9.6	8.5	78.3	44	0.0	2.0	1.9	0.6	7.4
Khanpur	4.3	3.1	39.9	63	0.0	1.6	1.1	0.0	1.7
Khuzdar	2.3	0.5	16.3	45	0.0	1.0	0.0	0.0	2.6
Kotli	4.0	2.6	32.1	69	0.0	3.1	4.4	1.0	1.3
Lahore	6.9	6.0	41.6	76	3.1	5.8	3.4	0.0	0.6
Larkana	9.0	5.8	48.6	58	0.0	1.1	1.2	1.1	2.3
Lasbella	8.2	5.5	66.8	54	0.0	2.0	0.0	1.3	2.0
Lower Dir	2.1	-0.5	21.3	61	0.0	3.1	2.7	0.0	0.9
Malam Jabba	-1.0	-2.0	***	71	0.0	3.3	2.9	0.3	0.0
M.B Din	5.7	4.5	42.4	78	0.0	6.2	3.3	1.0	0.6
Mangla	2.9	1.7	33.5	70	0.0	4.0	4.1	0.0	0.6
Mir Khani	0.4	-0.1	***	45	0.0	2.3	2.7	0.0	2.6
Moinjodaro	4.0	1.0	36.1	56	0.0	2.2	0.5	0.8	3.3
Multan	6.2	3.5	43.9	66	0.6	3.6	2.4	0.0	2.3
Murree	-1.7	-3.0	***	61	0.0	3.1	5.4	0.6	0.6
Muzaffarabad	3.0	1.6	17.1	62	0.0	2.0	3.1	0.3	2.0
Nokkundi	4.9	4.4	8.5	17	1.0	0.3	2.0	4.3	4.9
Noorpurthal	3.3	1.5	47.3	71	0.0	2.0	2.1	0.3	0.3
Okara	5.3	3.0	41.9	77	0.2	4.8	4.3	0.0	0.6
Padidan	6.3	5.5	42.3	60	0.0	1.3	0.4	0.7	2.3
Panjgur	1.9	0.5	6.1	45	0.0	0.8	0.6	6.3	21.0
Parachinar	-10.9	-12.2	***	60	0.0	4.6	4.5	3.0	3.0
Pasni	9.6	1.0	80.7	54	0.0	0.4	1.4	1.4	7.7
Pattan	5.1	4.0	34.1	44	0.0	2.3	3.3	5.4	4.0
Peshawar	3.7	2.0	36.9	65	0.1	1.9	3.7	0.3	0.9
Quetta	-0.6	-3.5	6.8	41	0.0	1.3	2.4	2.2	3.0
R.Y.Khan	5.4	4.7	49.2	66	0.0	2.0	0.4	1.0	2.7

Rawalakot	-2.0	-4.2	***	68	0.0	2.6	4.7	0.0	1.1
Rohri	8.7	4.5	55.1	53	0.0	1.7	0.4	0.3	2.0
Rawalpindi	2.9	2.0	39.5	67	0.0	1.8	2.0	1.0	1.1
Sahiwal	4.7	3.2	39.1	76	0.1	4.5	3.1	0.6	1.4
Saidu Sharif	3.5	2.0	12.1	52	0.0	1.9	2.1	0.0	0.0
Sialkot	5.7	3.5	34.7	82	0.0	5.6	5.4	0.0	0.3
Sibbi	9.2	8.5	63.0	38	0.0	0.0	0.9	0.0	0.0
Skardu	-8.4	-10.6	***	74	0.0	5.6	5.7	0.0	0.0
Tandojam	7.5	6.5	71.8	54	0.0	1.0	0.9	0.5	1.4
U.Muhammad	7.7	5.5	74.8	68	0.0	0.6	0.0	0.0	0.0
Zhob	0.1	-1.5	***	41	0.0	2.4	1.1	4.3	5.6

*** Shows that data was not available.