

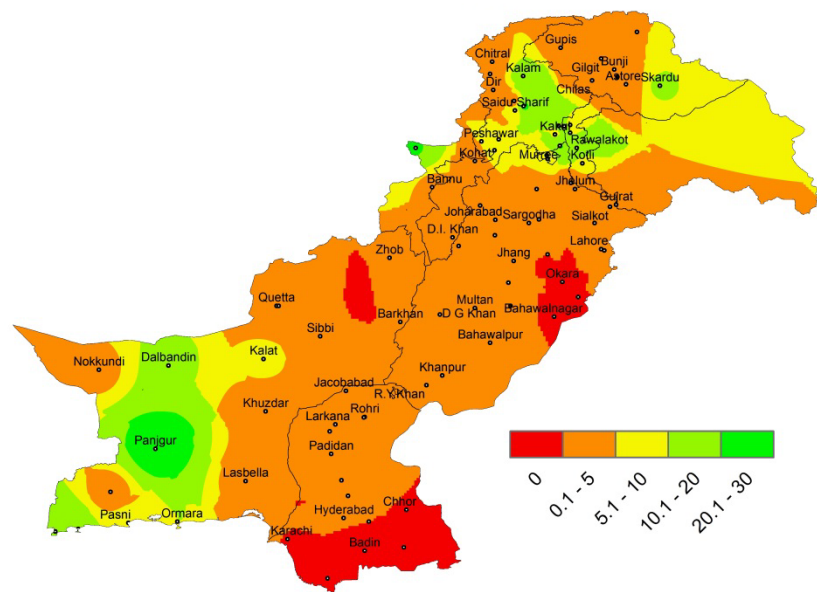
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the
Previous Week (from 6th to 12th January, 2014)**



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Chief Editor: Dr. Khalid Mahmood Malik (Director)
Editor: Khalida Noureen (Meteorologist)

Highlights of Past Weather (from 6th to 12th 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 many places in Punjab, Khyber Pakhtunkhwa, Balochistan and Gilgit-Baltistan & Kashmir regions.
- Light rainfall reported at few places in Sindh.

Past Weather of Provinces (from 6th to 12th**January, 2014)****Punjab**

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 17.9°C & 2.7°C respectively. For the present season average 37.7 growing degree days accumulated by the end of last week. Average relative humidity recorded 65% and wind speed in the morning/evening recorded 1.4/1.9 Knots. The highest amount of rainfall reported at Murree 21.0mm and lowest minimum temperature recorded -3.0°C at Murree.

Sindh

Light rainfall reported at few places in Sindh during the week. Weekly maximum and minimum temperatures recorded 21.4°C & 5.2°C respectively. For the present season average 60.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 52% and wind speed in the morning/evening recorded 1.2/3.4 Knots. During the previous week highest amount of rainfall reported at Rohri 1.1mm and lowest minimum temperature recorded 0°C at Moinjodaro.

Khyber Pakhtunkhwa

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa province during the week. Weekly maximum and minimum temperatures recorded 11.9°C & -1.1°C respectively. For the present season average 4.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 62% and wind speed in the morning/evening recorded 1.2/2.2 Knots. The highest amount of rainfall was reported at Malamjabba 24.0mm and lowest minimum temperature recorded -12.0°C at Parachinar.

Balochistan

Light to moderate rainfall reported at many places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 14.9°C & 1.9°C respectively. For the present season average 40.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 49% and wind speed in the morning/evening recorded 2.4/5.1 Knots. During the previous week highest amount of rainfall reported at Panjgur 30.0mm and lowest minimum temperature recorded -14.0°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 8.6°C & -2.6°C respectively. For the present season average 17.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 66% and wind speed in the morning/evening recorded 1.2/1.8 Knots. During the previous week highest amount of rainfall reported at Rawalakot 14.0mm and lowest minimum temperature recorded -13.0°C at Astore.

Past Weather for Major Agricultural Plains
(from 6th to 12th January, 2014)

Rawalpindi (Potohar region)

Rainfall reported as 7.4mm during the week; however cloudiness in the morning/evening recorded 2.0/0.8 Oktas while, average relative humidity observed 70%. Mean night time temperature recorded 0.2°C & for the present season 21.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/1.0 Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.7/2.6 Oktas while, average relative humidity observed as 55%. Mean night time temperature recorded 2.9°C & for the present season 43.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.7 Knots.

Tandojam (Lower Singh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.1/1.7 Oktas while, average relative humidity observed as 58%. Mean night time temperature recorded 5.3°C & for the present season 57.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/1.5 Knots.

Quetta (Northern Balochistan)

Rainfall reported as 3.2mm during the week; however cloudiness in the morning/evening recorded 5.1/5.4 Oktas while, average relative humidity observed as 54%. Mean night time temperature recorded -3.4°C by the end of last week. Wind speed recorded in the morning/evening as 1.7/2.8 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.1/1.1 Oktas while, average relative humidity observed as 74%. Mean night time temperature recorded 5.5°C & for the present season 57.0 growing degree days accumulated by the end of last week.

Past Weather for Sub-Regional Agricultural Plains (from 6th to 12th January, 2014)

Rohri

Rainfall reported as 1.1mm during the week; however cloudiness in the morning/evening recorded 1.7/1.4 Oktas while, average relative humidity observed as 49%. Mean night time temperature recorded 6.1°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 0.9/2.3 Knots.

Multan

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 3.0/3.3 Oktas while, average relative humidity observed as 61%. Mean night time temperature recorded 4.1°C by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.7 Knots.

Lahore

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 2.1/2.0 Oktas while, average relative humidity observed as 66%. Mean night time temperature recorded 4.2°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 0.3/2.9 Knots.

Zhob

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.0/2.7 Oktas while, average relative humidity observed as 45%. Mean night time temperature recorded -0.7°C by the end of last week. Wind speed recorded in the morning/evening as 5.6/5.0 Knots.

D.I. Khan

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 1.7/2.7 Oktas while, average relative humidity observed as 54%. Mean night time temperature recorded 2.1°C & for the present season 38.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/2.3 Knots.

Peshawar

Rainfall reported as 5.0mm during the week; however cloudiness in the morning/evening recorded 3.0/3.7 Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded 1.2°C & for the present season 31.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.4 Knots.

Murree

Rainfall reported as 21.0mm during the week; however cloudiness in the morning/evening recorded 3.6/5.0 Oktas while, average relative humidity observed as 65%. Mean night time temperature recorded -2.1°C by the end of last week. Wind speed recorded in the morning/evening as 4.0/1.7 Knots.

Kalam

Rainfall reported as 16.0mm during the week; however cloudiness in the morning/evening recorded 3.0/5.6 Oktas while, average relative humidity observed as 77%. Mean night time temperature recorded -6.3°C by the end of last week.

Gilgit

Rainfall reported as 1.2mm during the week; however cloudiness in the morning/evening recorded 5.1/6.0 Oktas while, average relative

humidity observed as 71%. Mean night time temperature recorded -4.1°C by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

Skardu

Rainfall reported as 12.0mm during the week; however cloudiness in the morning/evening recorded 4.4/6.0 Oktas while, average relative humidity observed as 77%. Mean night time temperature recorded -9.9°C by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.7 Knots.

Crop Situation for Major Agricultural Plains
(Based on data from Regional Agromet Centres)

Potohar Region (Rawalpindi)

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

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 *Tillering* stage.

Lower Sindh (Tandojam)

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

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

Northern Balochistan (Quetta)

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

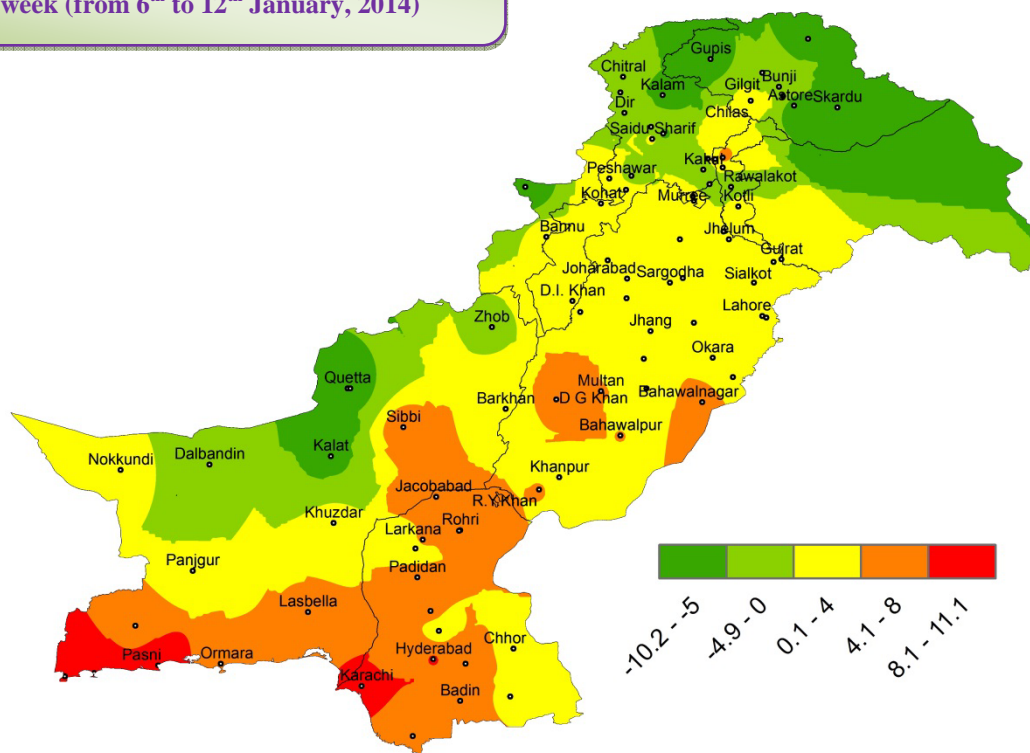
Wheat (Local white): Good condition at *Third leaf* stage.

Eastern Balochistan (Usta Muhammad)

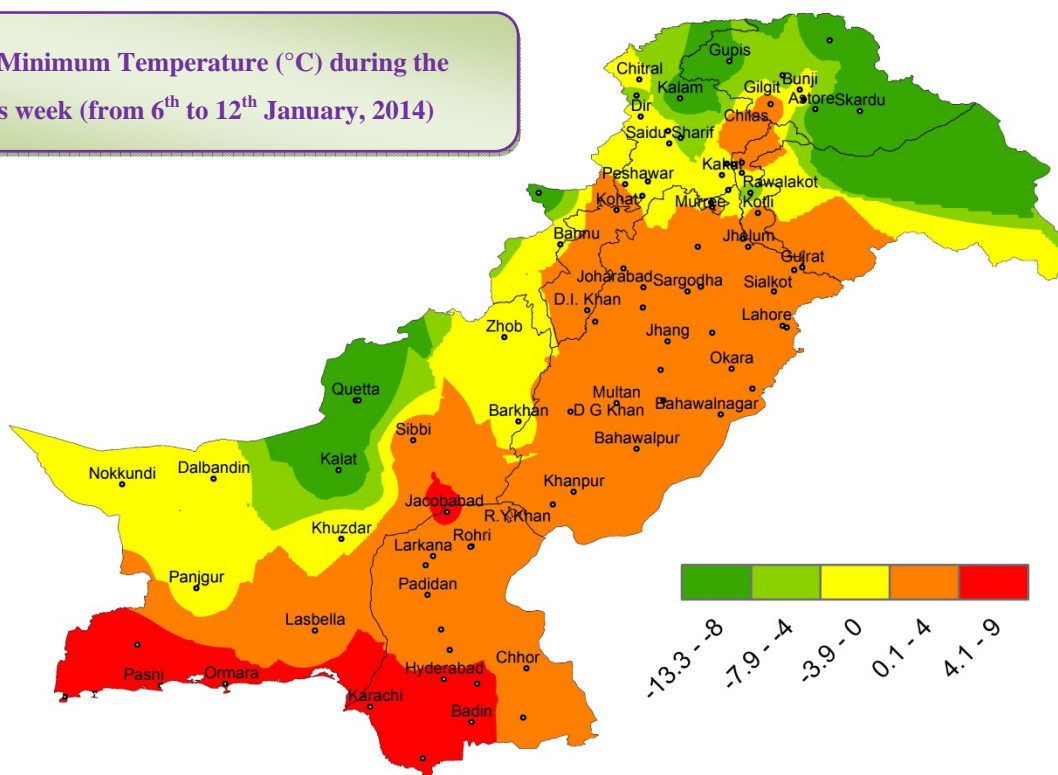
There is presently one crop (irrigated condition) grown in the fields of RMC Usta Muhammad.

Wheat: Very good condition at *Germination* stage.

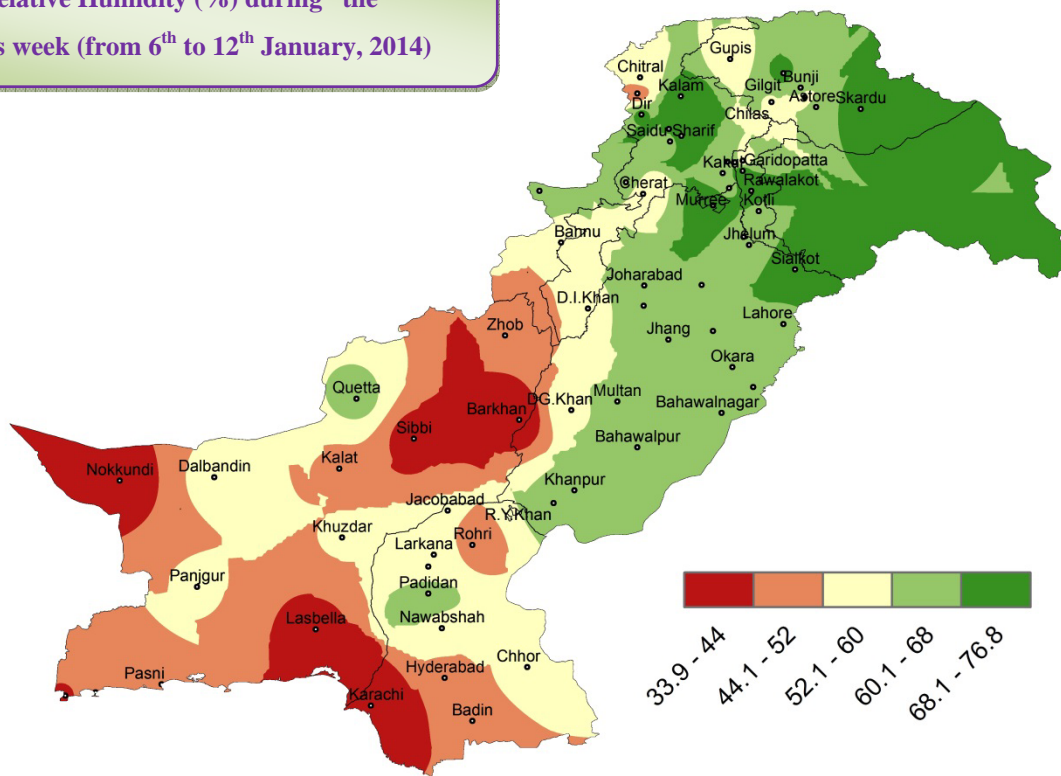
Mean Minimum Temperature (°C) during the
Previous week (from 6th to 12th January, 2014)



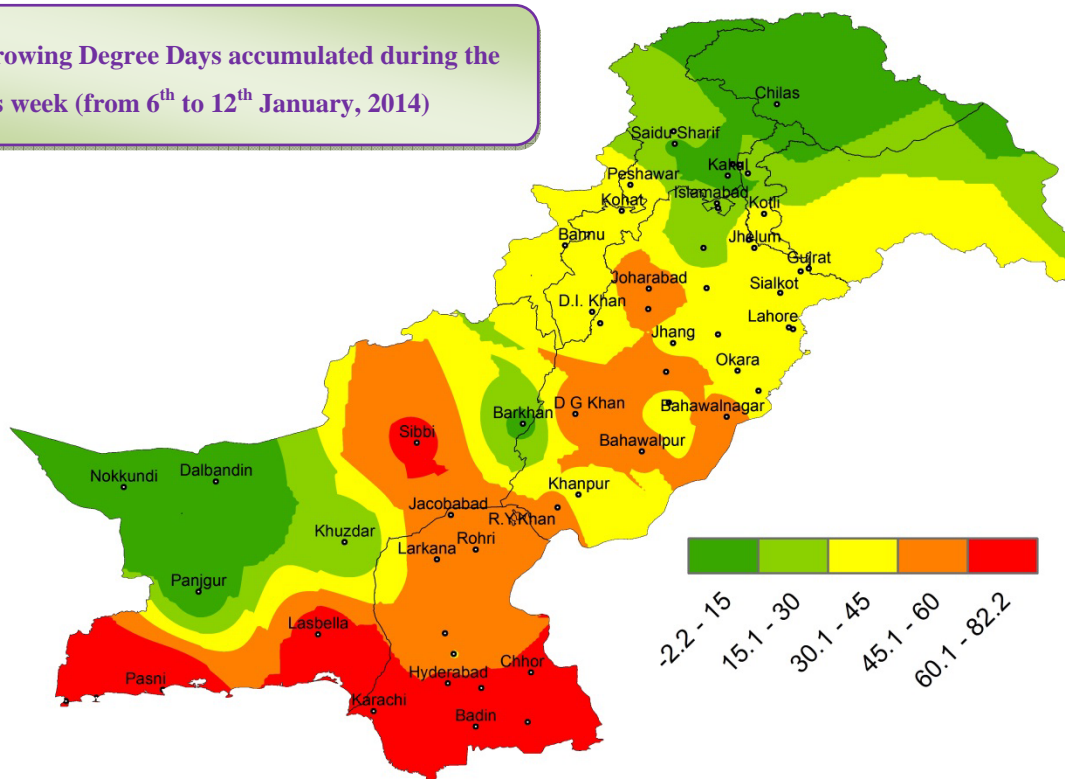
Lowest Minimum Temperature (°C) during the
Previous week (from 6th to 12th January, 2014)



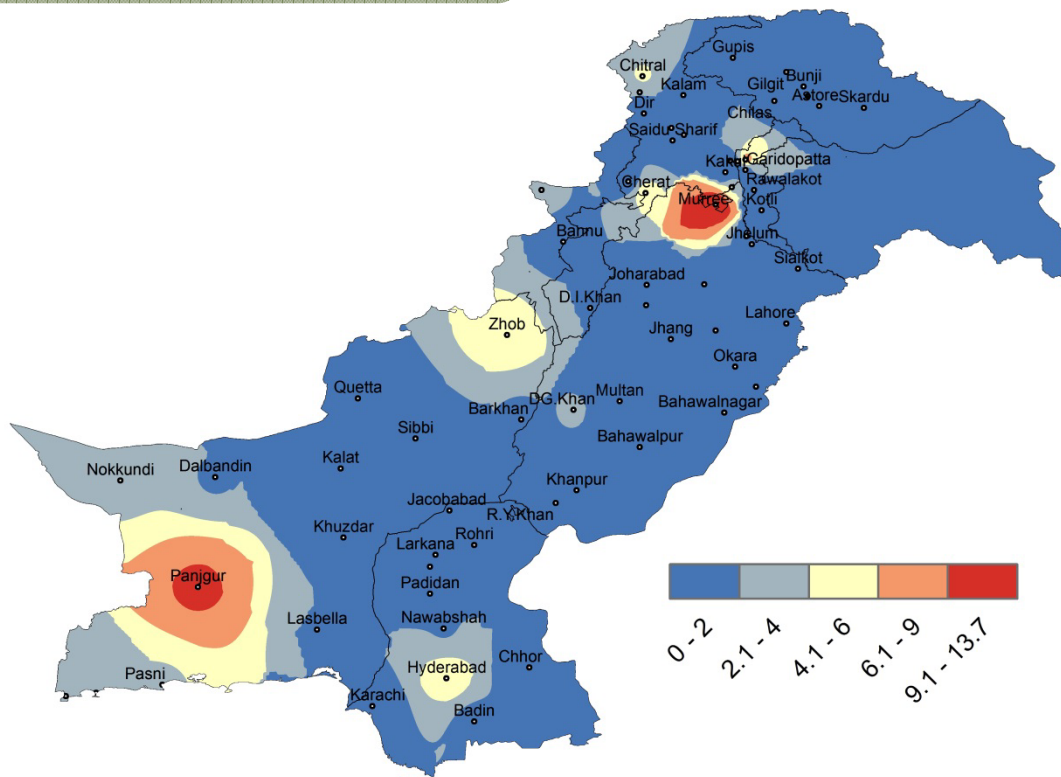
Mean Relative Humidity (%) during the
Previous week (from 6th to 12th January, 2014)



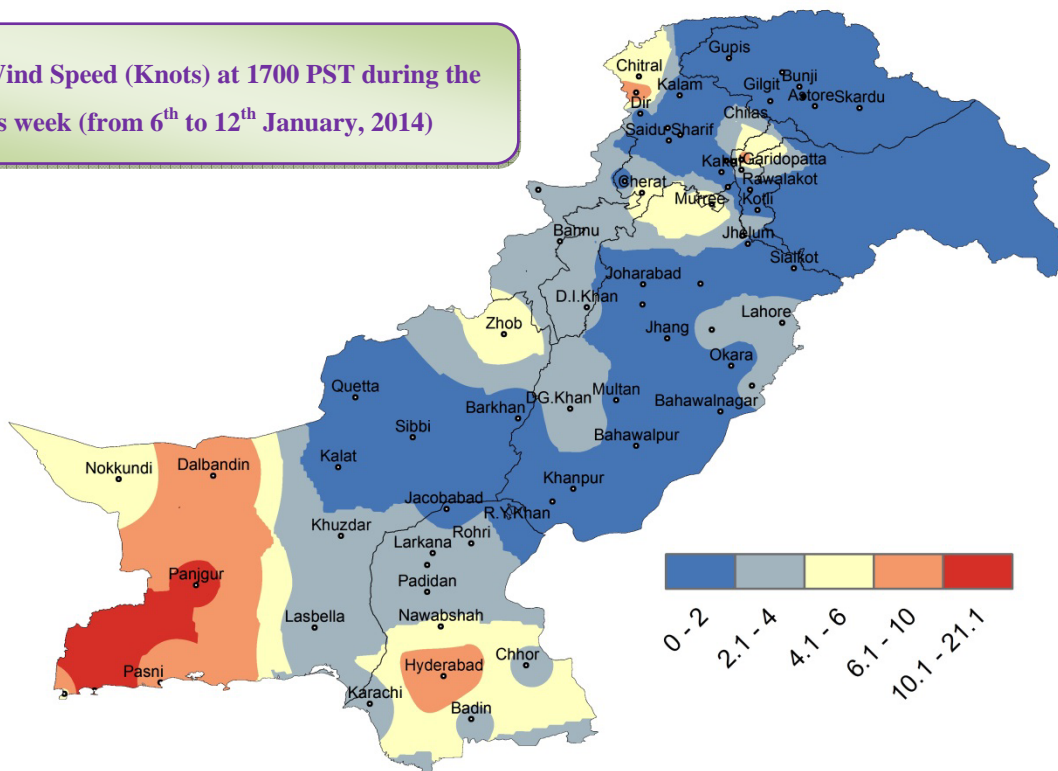
Total Growing Degree Days accumulated during the
Previous week (from 6th to 12th January, 2014)



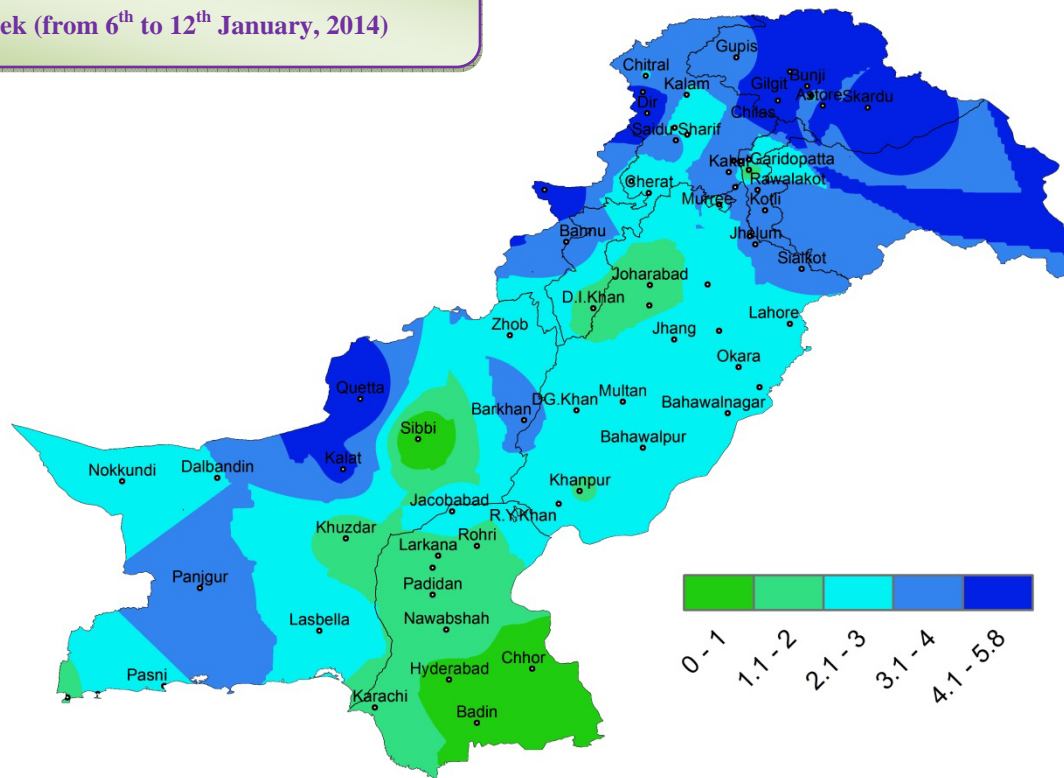
Mean Wind Speed (Knots) at 0800 PST during the
Previous week (from 6th to 12th January, 2014)



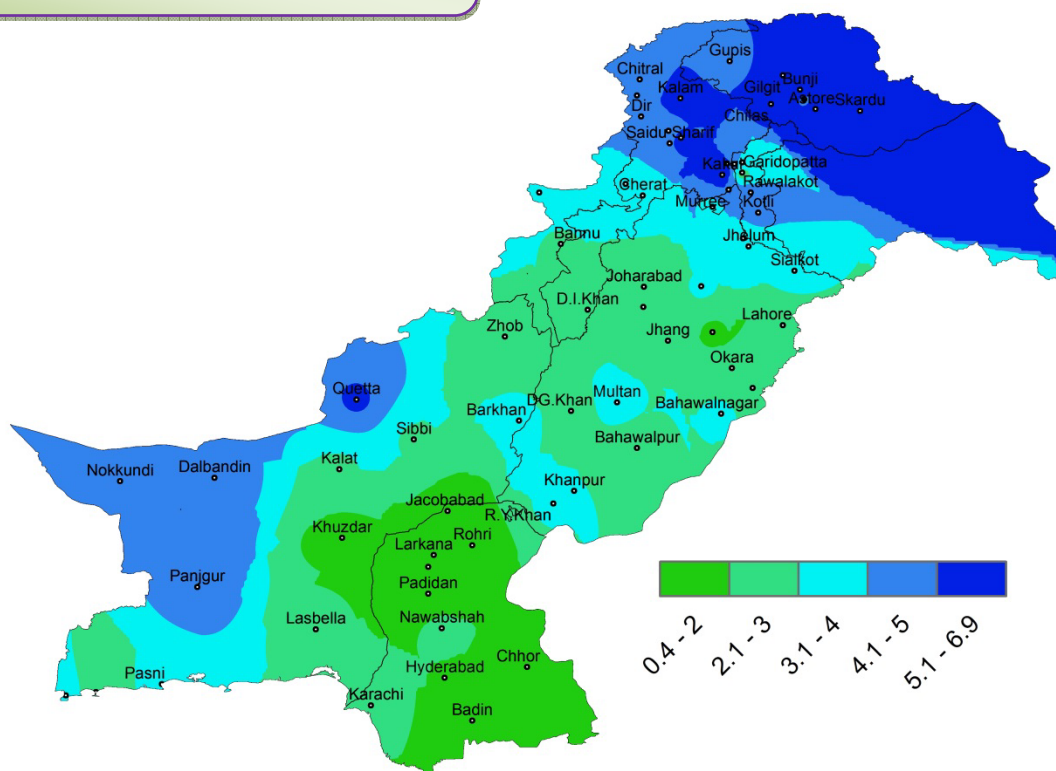
Mean Wind Speed (Knots) at 1700 PST during the
Previous week (from 6th to 12th January, 2014)



Mean Cloudiness (Oktas) at 0800PST during the
Previous week (from 6th to 12th January, 2014)



Mean Cloudiness (Oktas) at 1700PST during the
Previous week (from 6th to 12th January, 2014)



Weekly Weather Advisory for Farmers
(From 13th to 19th January, 2014)

A shallow westerly wave is prevailing over upper parts of the country and likely to move east-northeast wards during next 24-36 hours. A fresh shallow westerly wave is expected to affect upper parts of country during Thursday/Friday.

Another fresh westerly wave is expected to approach Baluchistan on Sunday and 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 the week. However, partly cloudy to cloudy weather conditions would prevail over Islamabad and upper/central Punjab during Today and again on Thursday/Friday and there chance of drizzle at few places of (Rawalpindi, Gujranwala, Lahore and Sargodha divisions) during the period. Light snowfall is also expected at few places over the hills of Murree, Galayat and surrounding during the period.

Morning shallow foggy conditions would continue to prevail over isolated places in the plain of Punjab during first half 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 Today and again on Thursday/Friday and there are chances of light rain (snowfall over the hills) at isolated places of upper KP (Malakand and Hazara divisions) during next 24 hours and again on Thursday/Friday..

Baluchistan

Mainly cold (very cold in North Baluchistan) and dry weather is expected in most parts of the province during the week. However,

light rain/drizzle is expected at one or two places of Quetta division on Thursday.

Sindh

Mainly cold and dry weather is expected in most parts of the province during the week.

Gilgit-Baltistan

Mostly cloudy weather conditions with chances of, light rain with snowfall over the hills is expected at isolated places of Gilgit-Baltistan during next 24-36 hrs and again on Thursday/Friday. Very cold and partly to cloudy weather conditions are 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 during next 24-36 hours and again on Thursday/Friday. Very cold and dry weather is expected in most parts of Kashmir during rest days of the week.

Advices 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 6th to 12th 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	-9.4	-13.0	***	64	0.0	4.4	6.0	1.1	0.6
Badin	6.9	6.0	67.5	47	0.0	1.0	0.4	1.1	3.4
Bahawalnagar	5.2	3.4	49.3	62	0.0	2.4	3.3	0.0	1.1
Bahawalpur	4.0	1.7	46.0	63	0.1	2.1	2.6	0.0	1.1
Balakot	-0.1	-1.3	11.9	66	10.0	3.6	5.3	0.0	0.7
Bannu	2.1	0.0	33.5	54	2.0	3.7	2.9	1.0	2.3
Barkhan	0.0	-1.0	10.8	37	0.0	3.1	3.1	1.4	0.6
Bunji	-0.4	-2.9	***	64	2.1	5.9	7.0	0.3	0.9
Cherat	1.3	0.0	***	52	7.0	2.4	3.3	5.4	5.7
Chhor	3.0	2.0	61.0	57	0.0	0.6	1.0	0.0	3.7
Chilas	2.1	1.5	5.0	59	0.0	5.1	5.6	0.0	1.7
Chitral	-2.5	-3.0	***	56	0.0	2.9	4.4	4.6	4.6
DG.Khan	6.4	4.0	57.4	59	0.1	2.7	2.7	2.3	3.7
D.I.Khan	2.1	0.5	38.6	54	0.1	1.7	2.7	2.0	2.3
Dalbandin	-0.6	-3.0	1.3	55	12.0	3.0	5.0	1.7	8.3
Dir	-0.8	-2.5	***	71	1.0	5.3	4.7	0.0	1.1
Drosh	-4.3	-5.0	***	46	1.0	4.4	4.4	2.0	8.7
Faisalabad	2.9	1.5	43.6	55	0.0	2.7	2.6	0.0	0.7
Garidopatta	-0.5	-2.0	16.3	76	10.0	0.6	2.6	0.3	2.3
Gawader	11.1	8.5	82.2	49	15.0	2.6	2.1	2.6	21.1
Gilgit	-4.1	-6.5	***	71	1.2	5.1	6.0	0.0	0.3
Gupis	-7.2	-9.0	***	55	0.0	3.4	4.4	1.7	0.9
Hyderabad	8.2	6.5	66.4	47	0.0	0.6	2.0	5.4	9.4

Islamabad	0.2	-0.7	21.6	77	6.0	2.8	3.6	13.7	6.0
Jacobabad	5.3	4.5	57.9	52	0.2	2.6	1.7	0.9	1.4
Jhang	1.7	0.1	39.0	65	0.0	2.7	2.6	0.0	0.0
Jhelum	2.9	0.6	40.9	65	1.0	3.0	3.0	0.3	0.9
Jiwani	8.7	5.0	67.8	43	16.0	1.4	3.7	3.4	5.4
Joharabad	2.0	0.8	50.4	67	0.1	1.3	2.0	0.0	1.1
Kakul	-1.8	-3.0	***	63	9.0	3.3	5.4	0.0	1.4
Kalam	-6.3	-11.0	***	77	16.0	3.0	5.6	0.0	0.0
Kalat	-6.6	-12.0	***	50	7.0	4.1	2.8	0.6	2.0
Karachi	8.6	7.5	78.3	34	0.0	1.7	2.9	0.0	3.1
Khanpur	2.1	0.0	39.9	65	0.0	1.9	3.0	0.3	1.1
Khuzdar	1.1	0	16.3	53	0.0	1.4	1.7	0.0	2.0
Kotli	2.7	1.7	32.1	66	8.0	3.7	4.4	1.3	2.0
Lahore	4.2	3	41.6	66	0.1	2.1	2.0	0.3	2.9
Larkana	4.5	1.5	48.6	59	0.1	1.7	1.9	0.9	2.9
Lasbella	4.9	3	66.8	40	0.2	3.0	2.3	2.0	3.3
Lower Dir	-0.3	-2	21.3	68	0.0	2.8	4.3	0.0	1.1
Malam Jabba	-6.3	-7.5	***	76	24.0	2.6	5.3	0.0	0.0
M.B. Din	3.9	3	42.4	68	0.1	2.4	3.1	0.0	1.1
Mangla	1.5	0.6	33.5	64	1.0	3.0	3.9	1.1	3.1
Mir Khani	-0.3	-1.8	***	56	2.0	2.4	4.4	0.0	1.0
Moinjodaro	2.4	0	***	54	0.1	1.9	1.3	1.1	2.9
Multan	4.1	2.8	***	61	0.1	3.0	3.3	0.0	1.7
Murree	-2.1	-3	***	65	21.0	3.6	5.0	4.0	1.7
Muzaffarabad	0.8	-1	17.1	67	13.0	3.1	4.4	0.7	1.7
Nokkundi	0.3	-1.1	8.5	38	2.0	2.6	5.0	3.4	4.3
Noorpurthal	1.9	1	47.3	67	0.0	2.0	2.0	0.0	0.6
Okara	3.3	2	41.9	66	0.0	2.6	2.3	0.3	1.1
Padidan	5.2	4	***	64	0.1	1.3	1.1	0.9	2.6

Panjgur	0.0	-1.5	6.1	53	30.0	3.4	4.7	9.7	10.4
Parachinar	-10.2	-12	***	67	21.0	5.0	4.0	2.9	3.0
Pasni	11.1	9	80.7	52	8.0	3.0	3.3	3.7	7.1
Pattan	6.6	4.5	***	51	8.0	3.3	3.7	8.3	8.3
Peshawar	1.2	0	31.4	67	5.0	3.0	3.7	0.3	1.4
Quetta	3.2	-7.2	***	54	3.2	5.1	5.4	1.7	2.8
Rawalpindi	4.2	2	49.2	62	0.1	2.7	3.1	1.1	1.1
R.Y.Khan	-4.3	-6	***	73	14.0	4.0	4.6	0.0	0.3
Rawalakot	6.1	1	55.1	49	1.1	1.7	1.4	0.9	2.3
Rohri	0.2	-0.5	21.2	70	7.4	2.0	0.8	0.7	1.0
Sahiwal	2.6	0	39.1	63	0.0	2.1	2.0	1.4	2.6
Saidu Sharif	0.8	-0.5	12.1	64	5.0	3.3	5.0	0.0	0.0
Sialkot	2.5	0.8	34.7	76	1.0	3.5	3.4	0.0	1.1
Sibbi	7.1	4	63.0	39	0.0	0.0	2.9	0.0	0.0
Skardu	-9.9	-11.6	***	77	12.0	4.4	6.0	0.0	0.7
Tandojam	5.3	4..0	57.5	58	0.0	1.1	1.7	0.7	1.5
Usta. M.	5.5	3.5	57.0	74	0.0	3.1	1.1	0.0	0.0
Zhob	-0.7	-3.5	***	45	0.0	3.0	2.7	5.6	5.0

*** Shows that data was not available.