

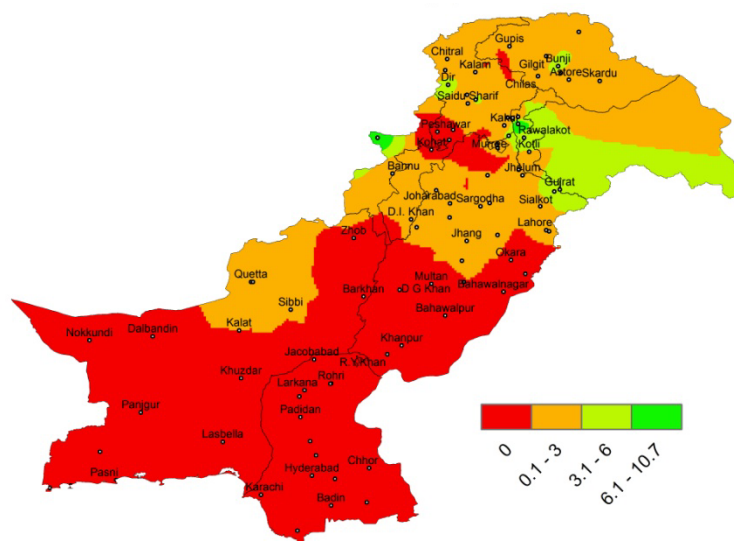
Weekly Weather and Crop Bulletin for Pakistan

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PAKISTAN METEOROLOGICAL
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**Rainfall Distribution (mm) during the
Previous Week (from 30th Dec, 2013 to 5th Jan, 2014)**



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Chief Editor: Dr. Khalid Mehmood Malik (Director)
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Highlights of Past Weather (30th Dec, 2013 to 5th Jan, 2014)

Mainly cold and dry 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 some places in Gilgit Baltistan & Kashmir regions.
- Light rainfall reported at few places in Punjab, Khyber Pakhtunkhwa.
- Light rainfall reported at an isolated place in Balochistan and dry/cold weather at Sindh.

Past Weather of Provinces (30th Dec, 2013 to 5th**Jan, 2014)****Punjab**

Light rainfall reported at few places in Punjab during the week. Weekly maximum and minimum temperatures recorded 18.0°C & 1.2°C respectively. For the present season average 31.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 65% and wind speed in the morning/evening recorded 1.5/1.2 Knots. During the previous week highest amount of rainfall reported at Sialkot 7.0mm and lowest minimum temperature was recorded -9.0°C at Murree.

Sindh

Dry and cold weather reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 20.4°C & 3.7°C respectively. For the present season average 49.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 48% and wind speed in the morning/evening recorded 1.8/4.1 Knots. The lowest minimum temperature was recorded -3.5°C at Moin-Jo-Daro.

Khyber Pakhtunkhwa

Light rainfall reported at few places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 12.0°C & -1.5°C respectively. For the present season average 4.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 59% and wind speed in the morning/evening recorded 2.1/2.3 Knots. The highest amount of rainfall was reported at Parachinar 8.0mm and lowest minimum temperature recorded -13.0°C at Parachinar.

Balochistan

Light rainfall reported at an isolated place in Balochistan during the week. Weekly maximum and minimum temperatures recorded 15.9°C & -0.9°C respectively. For the present season average 42.8 growing degree days accumulated by the end of last week. Average relative humidity recorded 42% and wind speed in the morning/evening recorded 1.9/3.8 Knots. During the previous week highest amount of rainfall reported at Quetta 0.1mm and lowest minimum temperature recorded -16.0°C at Kalat.

Gilgit Baltistan and Azad Jammu & Kashmir

Light to moderate rainfall reported at some places in Gilgit Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 8.7°C & -3.0°C respectively. For the present season average 17.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 62% and wind speed in the morning/evening recorded 0.8/1.4 Knots. During the previous week highest amount of rainfall reported at Garidopatta 11.0mm and lowest minimum temperature recorded -13.0°C at Astore.

**Past Weather for Major Agricultural Plains
(30th Dec, 2013 to 5th Jan, 2014)****Rawalpindi (Potohar region)**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.8/1.2 Oktas while, average relative humidity observed 61%. Mean night time temperature recorded -0.9°C & for the present season 14.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/0.9 Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/1.9 Oktas while average relative humidity observed as 56%. Mean night time temperature recorded 1.3°C & for the present season 36.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.6 Knots.

Tandojam (Lower Singh)

Dry weather and no cloudiness were reported during the week; while, average relative humidity observed as 53%. Mean night time temperature recorded 3.6°C & for the present season 49.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/1.5 Knots.

Quetta (Northern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.5/0.7 Oktas while, average relative humidity observed as 38%. Mean night time temperature recorded -6.7°C by the end of last week. Wind speed recorded in the morning/evening as 2.5/3.3 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; while, average relative humidity observed as 66%. Mean night time temperature recorded 1.8°C & for the present season 44.3 growing degree days accumulated by the end of last week.

**Past Weather for Sub-Regional Agricultural
Plains (30th Dec, 2013 to 5th Jan, 2014)****Rohri**

Dry weather was reported during the week; while, average relative humidity observed as 48%. Mean night time temperature recorded 3.9°C & for the present season 45.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/3.1 Knots.

Multan

Dry weather was reported during the week; while, average relative humidity observed as 61%. Mean night time temperature recorded 1.7°C & for the present season 35.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.3 Knots.

Lahore

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.1/0.9 Oktas while, average relative humidity observed as 66%. Mean night time temperature recorded 2.6°C & for the present season 36.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/2.0 Knots.

Zhob

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.4 Oktas while, average relative humidity observed as 41%. Mean night time temperature recorded -3.1°C by the end of last week. Wind speed recorded in the morning/evening as 4.2/5.6 Knots.

D.I. Khan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.3/1.0 Oktas while, average relative humidity observed as 52%. Mean night time temperature recorded 0.6°C & for the present season 33.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/2.0 Knots.

Peshawar

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.0/1.4 Oktas while, average relative humidity observed as 60%. Mean night time temperature recorded 0.6°C & for the present season 32.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.6 Knots.

Murree

Rainfall reported as 4.0mm during the week; however cloudiness in the morning/evening recorded 1.6/1.7 Oktas while, average relative humidity observed as 66%. Mean night time temperature recorded -4.8°C by the end of last week. Wind speed recorded in the morning/evening as 2.6/2.6 Knots.

Kalam

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 5.0/4.9 Oktas while, average relative humidity observed as 77%. Mean night time temperature recorded -4.9°C by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.6 Knots.

Gilgit

Rainfall reported as 1.0mm during the week; however cloudiness in the morning/evening recorded 5.3/5.3 Oktas while, average relative humidity observed as 71%. Mean night time temperature recorded -3.9°C by the end of last week.

Skardu

Rainfall reported as 3.0mm during the week; however cloudiness in the morning/evening recorded 6.0/5.3 Oktas while, average relative humidity observed as 71%. Mean night time temperature recorded -8.5°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: Good condition at 3rd Leaf stage.

Central Punjab (Faisalabad)

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

Wheat: Good condition and *Tillering* 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 *Tillering* stage.

Northern Balochistan (Quetta)

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

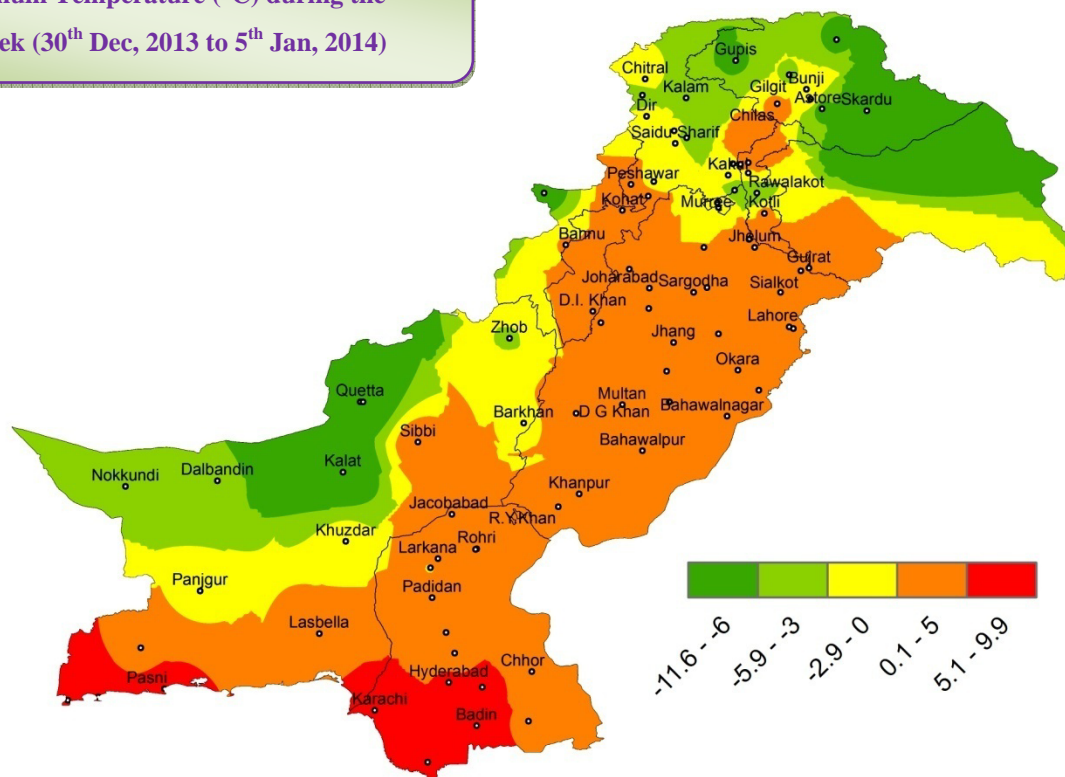
Wheat (Local white): Good condition at *Emergent* stage.

Eastern Balochistan (Usta Muhammad)

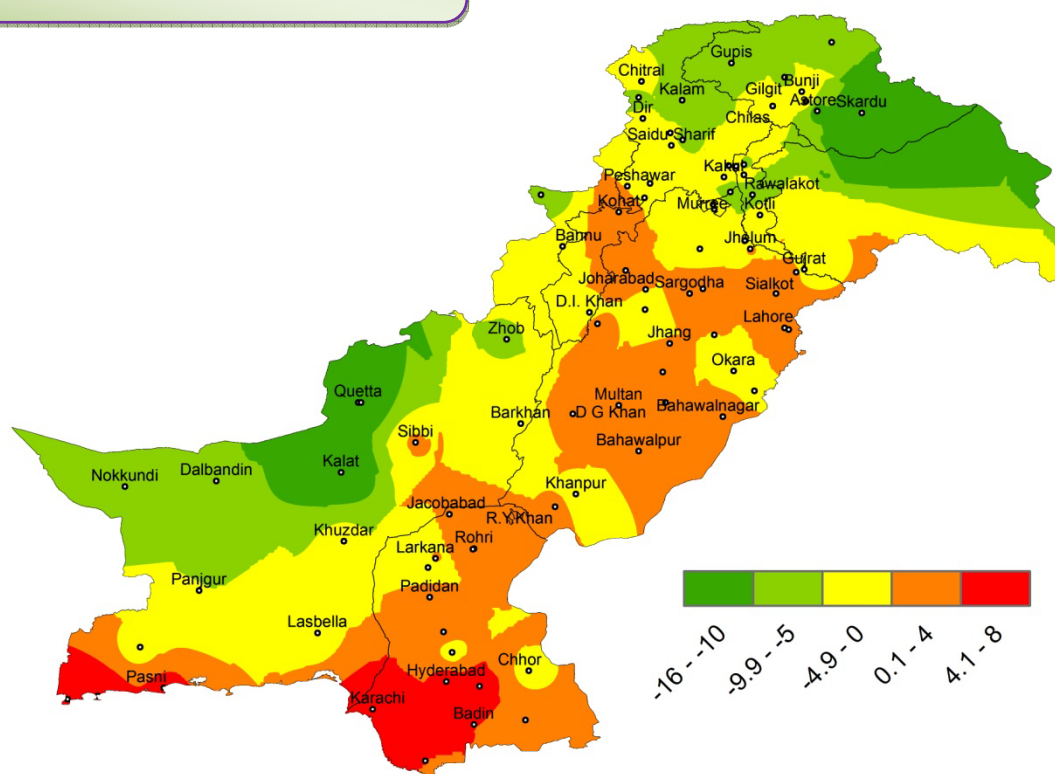
There is presently one crop (irrigated condition) grown in the fields of RMC Usta Muhammad.

Wheat: Good condition at *Germination* stage.

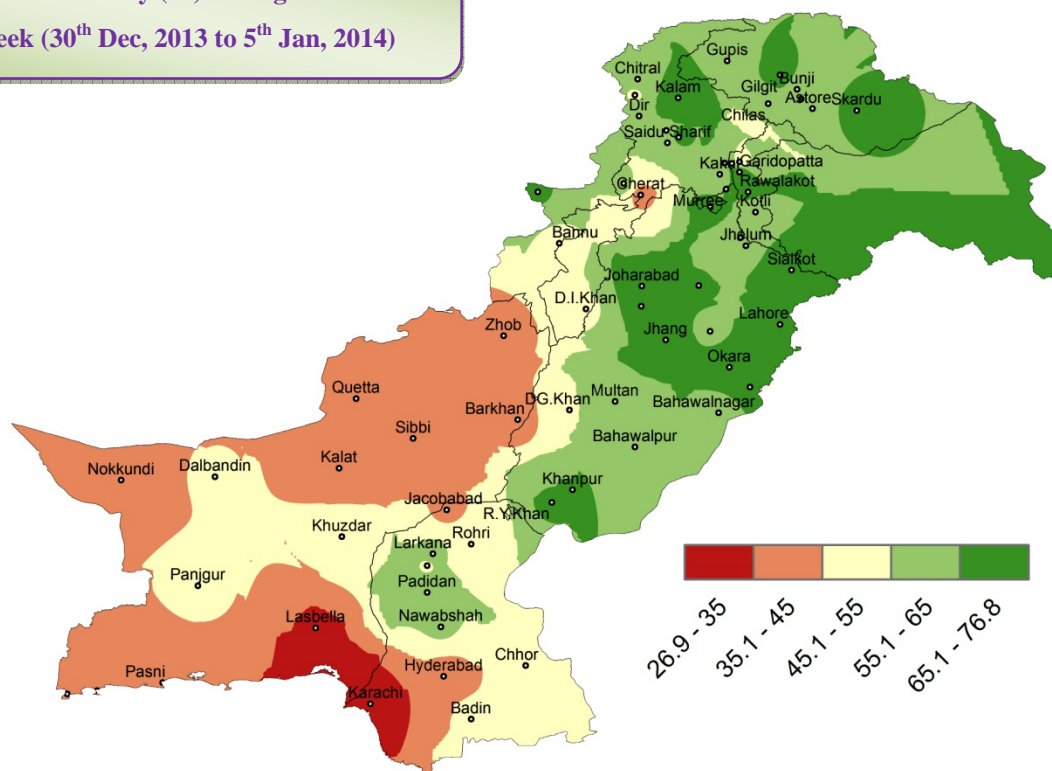
Mean Minimum Temperature ($^{\circ}\text{C}$) during the
Previous week (30th Dec, 2013 to 5th Jan, 2014)



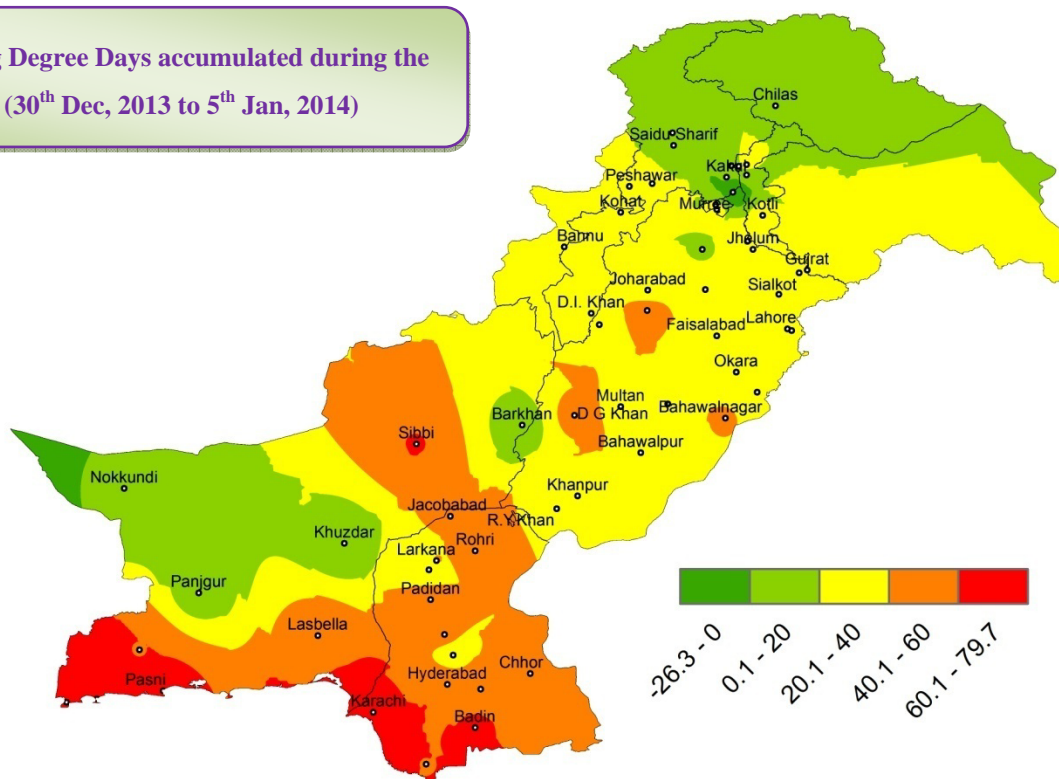
Lowest Minimum Temperature ($^{\circ}\text{C}$) during the
Previous week (30th Dec, 2013 to 5th Jan, 2014)



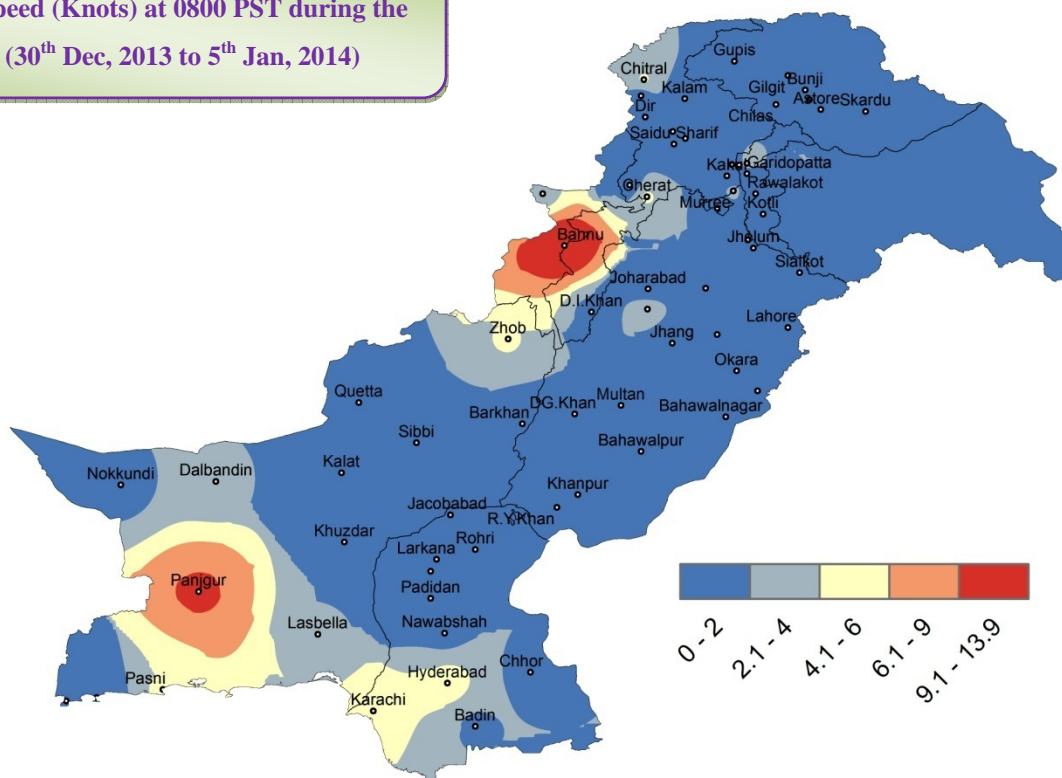
Mean Relative Humidity (%) during the
Previous week (30th Dec, 2013 to 5th Jan, 2014)



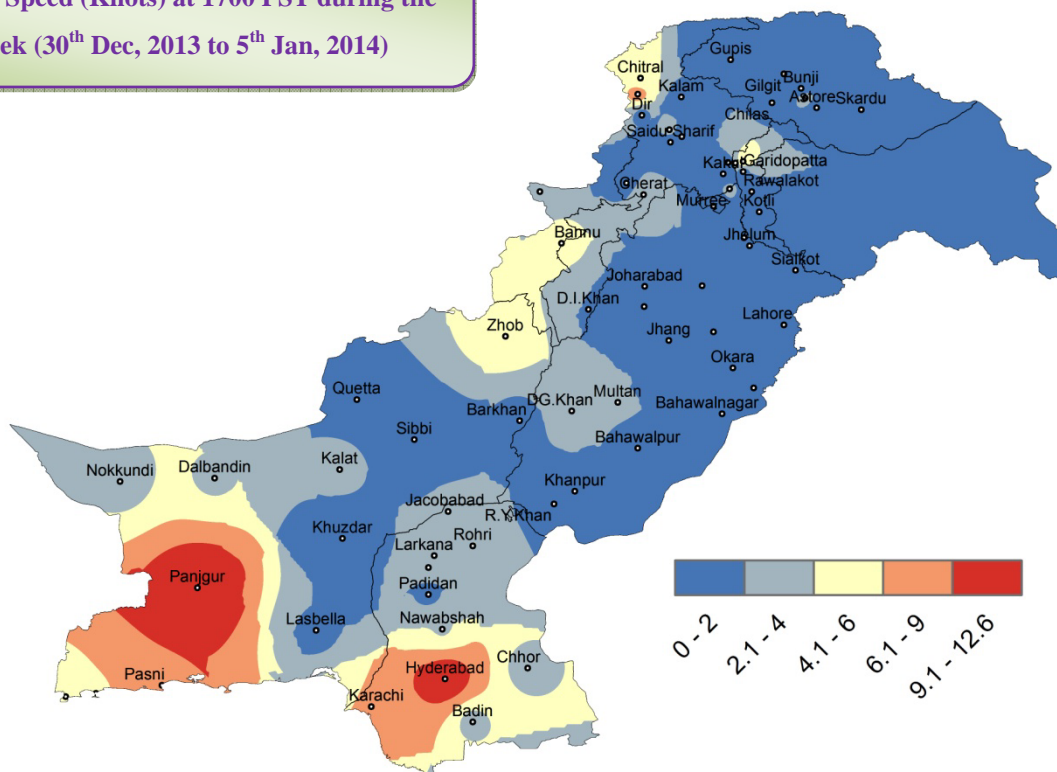
Total Growing Degree Days accumulated during the
Previous week (30th Dec, 2013 to 5th Jan, 2014)



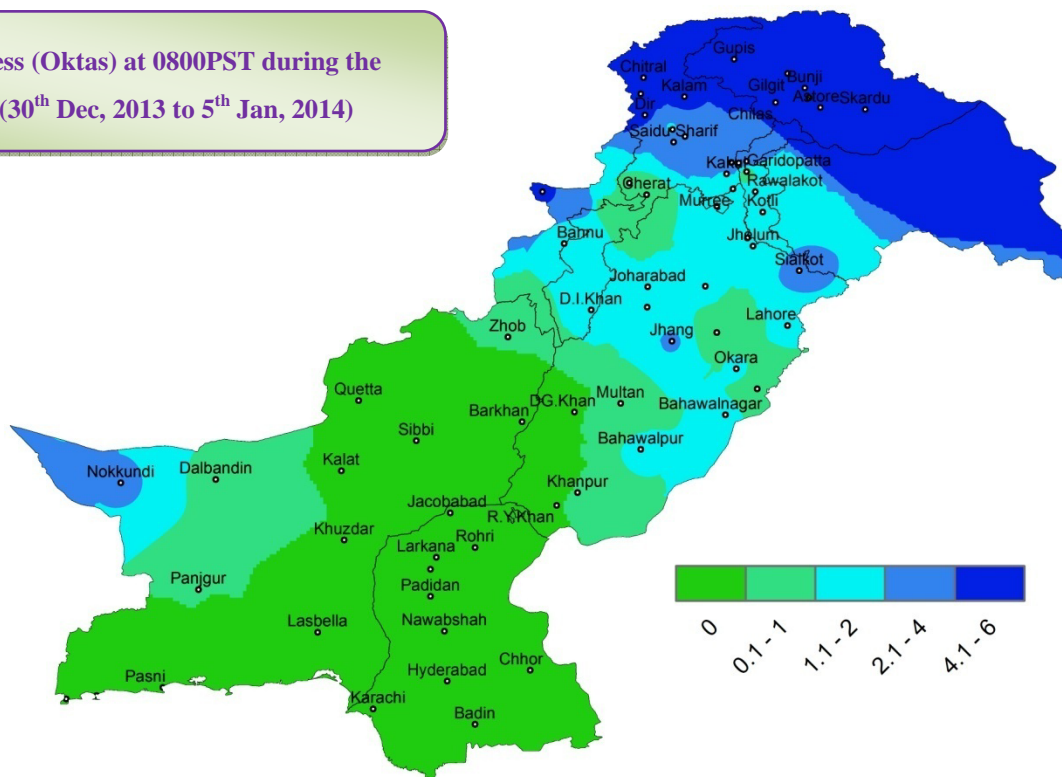
Mean Wind Speed (Knots) at 0800 PST during the
Previous week (30th Dec, 2013 to 5th Jan, 2014)



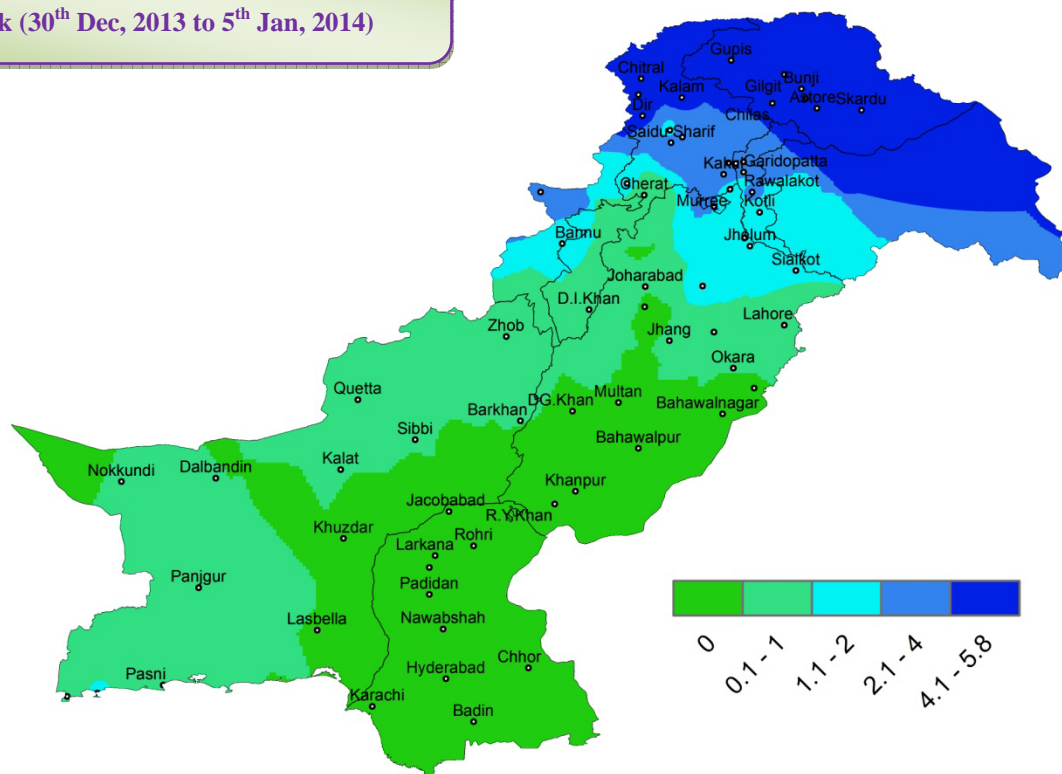
Mean Wind Speed (Knots) at 1700 PST during the
Previous week (30th Dec, 2013 to 5th Jan, 2014)



Mean Cloudiness (Oktas) at 0800PST during the
Previous week (30th Dec, 2013 to 5th Jan, 2014)



Mean Cloudiness (Oktas) at 1700PST during the
Previous week (30th Dec, 2013 to 5th Jan, 2014)



Weekly Weather advisory for Farmers **(From 6th to 12th January, 2014)**

A fresh westerly wave, presently giving rains over Middle East, is expected to enter Balochistan on Tuesday and would extend to upper parts of the country on Wednesday/Thursday. Continental air would prevail over most parts of the country during rest of the days of the week.

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 Punjab from Tuesday night till Thursday and there are chances of light rain at isolated places of Gujranwala, Islamabad/Rawalpindi and Sargodha divisions on Wednesday/Thursday.

Snowfall is also expected at scattered places over the hills of Murree, Galayat and surrounding during the period.

Morning fog/mist would continue to prevail over isolated places in the plain of Punjab during the week.

Khyber Pakhtunkhwa

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 in most parts of province from Tuesday to Thursday and there are chances of light rain (snowfall over the hills) at isolated places of upper KP (Malakand, Hazara and Peshawar divisions) from Tuesday (evening/night) to Thursday.

Morning fog/mist would continue to prevail over isolated places in Peshawar division.

Balochistan

Scattered rain with light snowfall over the hills is expected in Makran, Kalat, Quetta and Zhob divisions during Tuesday & Wednesday.

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. However, partly cloudy/cloudy weather is expected in upper Sindh during Tuesday/Wednesday. Morning fog is also expected to prevail at isolated place of upper Sindh (Sukkar division) during the weekend.

Gilgit-Baltistan

Mostly cloudy weather conditions with chances of, light rain with snowfall over the hills is expected at scattered places of Gilgit-Baltistan from Wednesday to Friday. Very cold and partly to cloudy weather conditions is expected in most parts of GB during rest days of the week.

Kashmir

Light rain (with snowfall over the hills) is expected at scattered places of Kashmir during Wednesday/Thursday, while, at isolated places on Friday. Very cold and dry weather is expected in most parts of Kashmir during rest days of the week.

Advises for Crops

Wheat: Farmers of cotton crop areas are advised to prepare their fields for incoming Rabi crops and complete sowing process before 15th December. After this time the yield of wheat crop decreases gradually. 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 30th Dec, 2013 to 5th Jan, 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	-8.5	-13.0	***	57	0.0	4.6	5.0	1.1	1.1
Badin	6.4	4.0	61.9	48	0.0	0.0	0.0	1.7	3.4
Bahawalnagar	3.4	2.0	41.6	62	0.0	1.3	0.0	0.0	1.7
Bahawalpur	1.7	0.6	37.3	62	0.0	1.3	0.0	0.0	0.9
Balakot	-1.1	-3.1	11.2	66	1.3	2.9	2.7	0.0	0.3
Bannu	0.2	-0.6	26.4	52	1.0	1.3	1.1	13.9	4.9
Barkhan	-1.0	-4.0	8.2	40	0.0	0.0	0.0	0.7	1.1
Bunji	-0.5	-1.7	***	61	6.0	5.4	5.9	0.3	0.9
Cherat	0.9	0.0	***	41	0.0	0.6	0.0	4.3	4.0
Chhor	1.1	-1.0	51.4	51	0.0	0.0	0.0	1.3	3.3
Chilas	0.5	-1.0	1.1	56	0.0	4.4	4.0	0.6	0.3
Chitral	-1.6	-3.2	***	60	1.0	5.1	5.4	4.3	4.0
DG.Khan	3.9	3.1	47.5	55	0.0	0.0	0.0	1.4	3.4
D.I.Khan	0.6	-0.6	33.5	52	0.0	1.3	1.0	1.1	2.0
Dalbandin	-5.8	-9.0	***	46	0.0	0.8	0.0	2.7	3.7
Dir	-2.2	-4.5	***	65	5.0	4.1	4.6	0.0	1.1
Drosh	-4.6	0.0	36.1	56	0.0	0.0	1.9	0.6	0.6
Faisalabad	1.3	0.0	31.9	63	0.0	0.0	0.4	1.0	1.4
Garidopatta	-1.9	-3.0	7.8	77	11.0	0.0	1.7	0.0	0.6
Gawader	9.4	8.0	79.7	37	0.0	0.0	1.2	0.0	5.8
Gilgit	-3.9	-6.5	***	71	1.0	5.3	5.3	0.0	0.0
Gupis	-6.6	-8.0	***	59	0.0	5.0	4.9	1.1	1.1
Hyderabad	6.4	6.0	56.0	39	0.0	0.0	0.0	5.0	11.7
Islamabad	-1.6	-2.7	20.5	68	0.0	1.5	2.0	0.7	0.6
Jacobabad	1.6	0.0	41.7	43	0.0	0.0	0.0	1.0	2.3
Jhang	0.6	0.0	***	69	1.0	2.1	0.0	0.0	0.3

Jhelum	1.5	0.2	34.8	63	1.0	1.0	1.3	1.1	0.6
Jiwani	9.9	4.0	73.5	40	0.0	0.0	0.0	2.0	5.4
Joharabad	1.0	0.0	35.0	71	0.0	1.0	0.0	0.0	0.3
Kakul	-2.1	-3.0	2.0	54	0.0	1.9	2.7	0.0	0.0
Kalam	-4.9	-9.5	***	77	0.0	5.0	4.9	0.0	0.6
Kalat	-11.6	-16.0	***	38	0.0	0.0	0.0	0.0	2.7
Karachi	7.5	6.5	71.1	27	0.0	0.0	0.0	4.7	6.0
Khanpur	0.1	-0.9	32.6	65	0.0	0.0	0.0	0.0	0.9
Khuzdar	-1.5	-3.5	5.8	52	0.0	0.0	0.0	0.0	0.6
Kotli	0.8	-0.6	30.7	58	3.0	1.1	1.7	1.3	2.0
Lahore	2.6	2.4	36.8	66	0.0	1.1	0.9	0.6	2.0
Larkana	2.1	0.5	40.5	58	0.0	0.0	0.0	0.7	2.7
Lasbella	1.6	-1.0	55.7	34	0.0	0.0	0.0	2.7	1.7
Lower Dir	-1.5	-4.0	13.1	63	0.0	1.9	1.6	2.0	3.1
Malam Jabba	-6.5	-7.5	***	70	4.0	2.7	3.3	0.0	0.6
M.B. Din	2.6	2.0	35.9	66	0.1	1.3	1.4	14.7	0.6
Mangla	0.3	-1.1	30.8	60	0.0	1.3	1.6	0.0	0.0
Mir Khani	-0.6	-2.5	***	55	1.0	4.6	4.0	1.6	2.7
Moinjodaro	-0.4	-3.5	34.7	54	0.0	0.0	0.0	0.7	2.3
Multan	1.7	1.0	35.7	61	0.0	0.0	0.0	0.0	2.3
Murree	-4.8	-9.0	-26.3	66	4.0	1.6	1.7	2.6	2.6
Muzaffarabad	0.1	-2.0	18.6	64	2.0	2.7	3.1	0.0	2.7
Nokkundi	-3.1	-7.8	2.9	37	0.0	2.2	0.0	1.0	3.3
Noorpurthal	1.0	-0.5	44.4	67	2.0	1.1	0.0	3.6	0.6
Okara	1.2	-1.0	35.3	69	0.0	1.3	0.0	0.0	1.4
Padidan	3.4	2.5	44.7	59	0.0	0.0	0.0	0.0	1.7
Panjgur	-1.8	-5.0	8.9	49	0.0	0.0	0.4	9.5	12.6
Parachinar	-8.7	-9.5	***	66	8.0	4.3	3.7	3.0	3.0
Pasni	8.4	5.0	73.0	35	0.0	0.0	0.0	4.3	8.6
Pattan	4.5	-6.5	28.6	43	0.0	3.1	4.3	4.3	6.6
Peshawar	0.6	0.0	32.8	60	0.0	1.0	1.4	0.6	0.6

Quetta	-10.0	-12.5	***	45	0.0	0.0	0.8	0.0	1.3
Rawalpindi	-0.9	-2.0	14.3	61	0.0	0.8	1.2	0.7	0.9
R.Y.Khan	1.3	0.6	39.8	66	0.0	0.0	0.0	0.9	1.7
Rawalakot	-5.7	-9.7	***	67	4.2	1.9	2.1	0.0	0.6
Rohri	3.9	1.5	45.3	48	0.0	0.0	0.0	0.7	3.1
Sahiwal	0.6	-0.5	29.7	67	0.0	0.0	0.0	0.9	1.7
Saidu Sharif	0.3	-1.0	17.0	54	0.3	2.4	2.4	0.0	0.0
Sialkot	1.7	0.5	30.5	75	5.4	2.4	1.0	0.0	0.9
Sibbi	3.3	0.5	60.8	37	0.0	0.0	0.0	0.0	0.0
Skardu	-8.5	-12.2	***	71	3.0	6.0	5.3	0.0	0.0
Tandojam	3.6	1.5	49.3	53	0.0	0.0	0.0	0.9	1.5
Usta. M.	1.8	0.0	44.3	66	0.0	0.0	0.0	0.0	0.0
Zhob	-3.1	-5.5	***	41	0.0	0.0	0.4	4.2	5.6

*** Shows that data was not available.