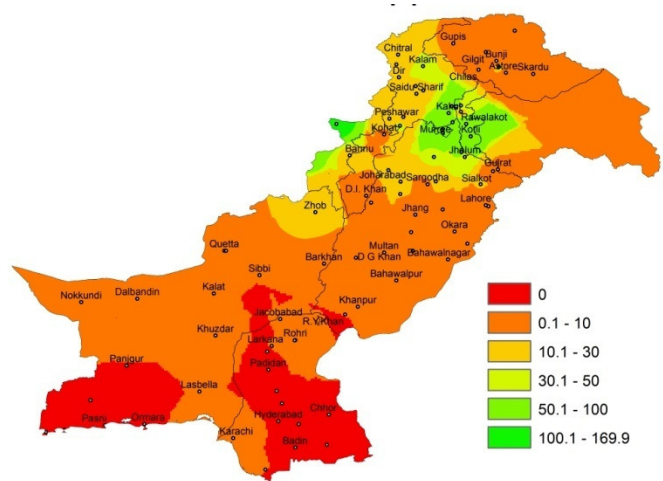


Weekly Weather and Crop Bulletin for Pakistan

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

Highlights of Past Weather (From 3rd to 9th March, 2014)

Mainly cold weather was reported from most parts of the country during the week. Province wise distribution of rainfall reported as follows:

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- 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 March, 2014)

Punjab

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 23.2°C & 10.4°C respectively. For the present season average 81.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 69% and wind speed in the morning/evening recorded 0.9/2.7 Knots. During the previous week highest amount of rainfall reported at Islamabad 80.0mm and lowest minimum temperature was recorded -1.5°C at Murree.

Sindh

Light rainfall reported at isolated places in Sindh during the week. Weekly maximum and minimum temperatures recorded 29.0°C & 14.2°C respectively. For the present season average 115.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 62% and wind speed in the morning/evening recorded 1.7/2.9 Knots. During the previous week highest amount of rainfall reported at Karachi 1.0mm and lowest minimum temperature was recorded 7.9°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 16.5°C & 4.7°C respectively. For the present season average 30.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 68% and wind speed in the morning/evening recorded 0.7/1.8 Knots. The highest amount of rainfall was reported at Parachinar 170.2mm and lowest minimum temperature recorded -5.5°C at Kalam.

Balochistan

Light to moderate rainfall reported at few places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 24.5°C & 9.5°C respectively. For the present season average 87.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 53% and wind speed in the morning/evening recorded 0.9/6.2 Knots. During the previous week highest amount of rainfall reported at Zhob 19.0mm and lowest minimum temperature recorded -3.0°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 15.1°C & 3.0°C respectively. For the present season average 33.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 56% and wind speed in the morning/evening recorded 1.2/2.4 Knots. During the previous week highest amount of rainfall reported at Rawalakot 94.1mm and lowest minimum temperature recorded -8.0°C at Astore.

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

Rainfall reported as 68.7mm during the week; however cloudiness in the morning/evening recorded 3.4/3.9 Oktas while, average relative humidity observed 70%. Mean night time temperature recorded 7.5°C & for the present season 62.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.8 Knots.

Faisalabad (Central Punjab)

Rainfall reported as Trace (not measureable) during the week; however cloudiness in the morning/evening recorded 3.0/2.9 Oktas while average relative humidity observed as 60%. Mean night time temperature recorded 11.6°C & for the present season 90.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/0.8 Knots.

Tandojam (Lower Singh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.8/0.2 Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded 14.6°C & for the present season 118.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.1/1.1 Knots.

Quetta (Northern Balochistan)

Rainfall reported as 3.6mm during the week; however cloudiness in the morning/evening recorded 2.6/4.8 Oktas while, average relative humidity observed as 44%. Mean night time temperature recorded 3.9°C & for the present season 37.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.0/3.6 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.8/2.3 Oktas while, average relative humidity observed as 62%. Mean night time temperature recorded 12.9°C & for the present season 107.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.1/0.1 Knots.

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

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.6/1.3 Oktas while, average relative humidity observed as 63%. Mean night time temperature recorded 16.0°C & for the present season 114.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.6/1.1 Knots.

Multan

Rainfall reported as 1.1mm during the week; however cloudiness in the morning/evening recorded 3.1/3.6 Oktas while, average relative humidity observed as 64%. Mean night time temperature recorded 12.9°C & for the present season 95.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/5.4 Knots.

Lahore

Rainfall reported as 1.2mm during the week; however cloudiness in the morning/evening recorded 3.4/3.9 Oktas while, average relative humidity observed as 63%. Mean night time temperature recorded 11.6°C & for the present season 89.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/5.1 Knots.

Zhob

Rainfall reported as 19.0mm during the week; however cloudiness in the morning/evening recorded 4.0/5.4 Oktas while, average relative humidity observed as 56%. Mean night time temperature recorded 4.5°C & for the present season 43.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.6/7.9 Knots.

D.I. Khan

Rainfall reported as 4.2mm during the week; however cloudiness in the morning/evening recorded 2.9/5.7 Oktas while, average relative humidity observed as 74%. Mean night time temperature recorded 10.0°C & for the present season 75.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.1 Knots.

Peshawar

Rainfall reported as 18.2mm during the week; however cloudiness in the morning/evening recorded 3.6/4.1 Oktas while, average relative humidity observed as 74%. Mean night time temperature recorded 8.3°C & for the present season 72.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.0 Knots.

Murree

Rainfall reported as 66.0mm during the week; however cloudiness in the morning/evening recorded 4.3/5.9 Oktas while, average relative humidity observed as 17%. Mean night time temperature recorded 1.4°C & for the present season 0.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/1.7 Knots.

Kalam

Rainfall reported as 39.0mm during the week; however cloudiness in the morning/evening recorded 4.7/5.7 Oktas while, average relative humidity observed as 75%. Mean night time temperature recorded -2.4°C by the end of last week.

Gilgit

Rainfall reported as 1.0mm during the week; however cloudiness in the morning/evening recorded 7.0/6.0 Oktas while, average relative humidity observed as 46%. Mean night time temperature recorded 3.0°C & for the present season 34.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/7.9 Knots.

Skardu

Rainfall reported as 8.0mm during the week; however cloudiness in the morning/evening recorded 5.9/6.7 Oktas while, average relative humidity observed as 50%. Mean night time temperature recorded -1.8°C by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.7 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 *Tillering* stage.

Central Punjab (Faisalabad)

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

Wheat: Very good condition at *Flowering* stage.

Lower Sindh (Tandojam)

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

Wheat (PD-1): Good condition at *Milk maturity* stage.

Northern Balochistan (Quetta)

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

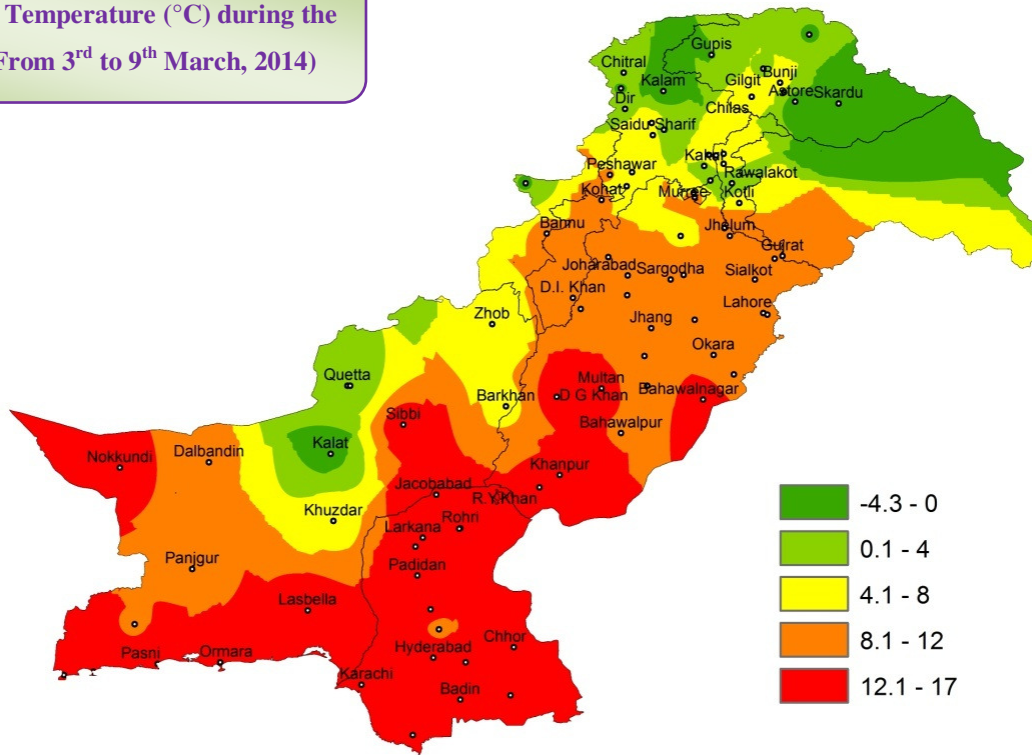
Wheat (Local white): Good condition at *Heading* stage.

Eastern Balochistan (Usta Muhammad)

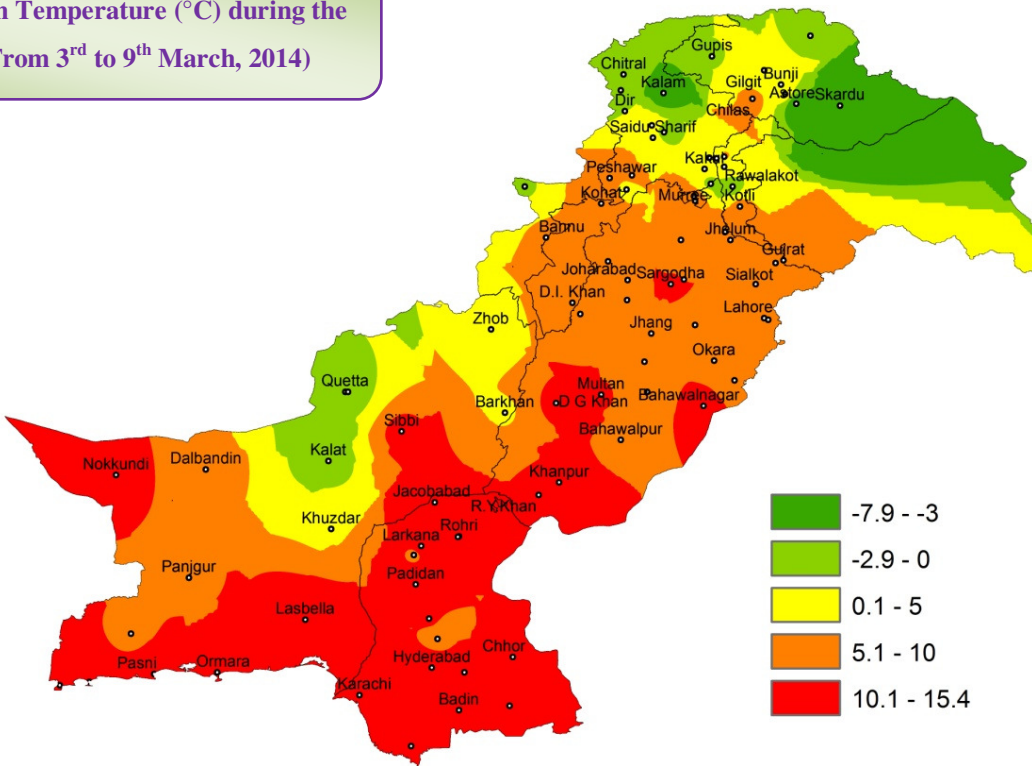
There is presently one crop (irrigated condition) grown in the fields of RMC Usta Muhammad.

Wheat: Good condition at *Tillering* stage.

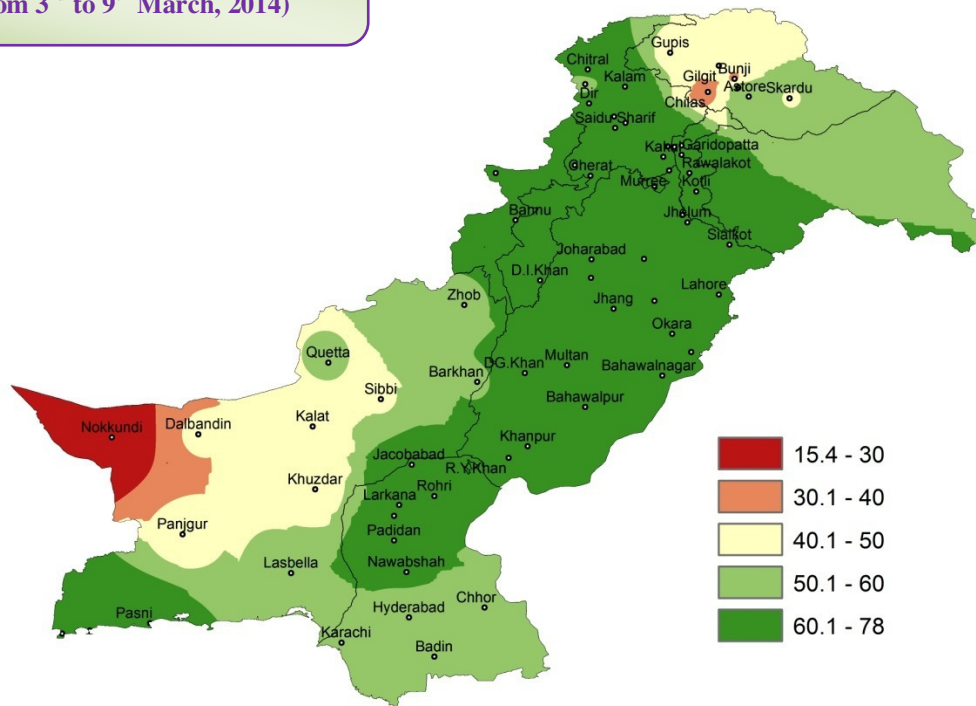
Mean Minimum Temperature (°C) during the Previous week (From 3rd to 9th March, 2014)



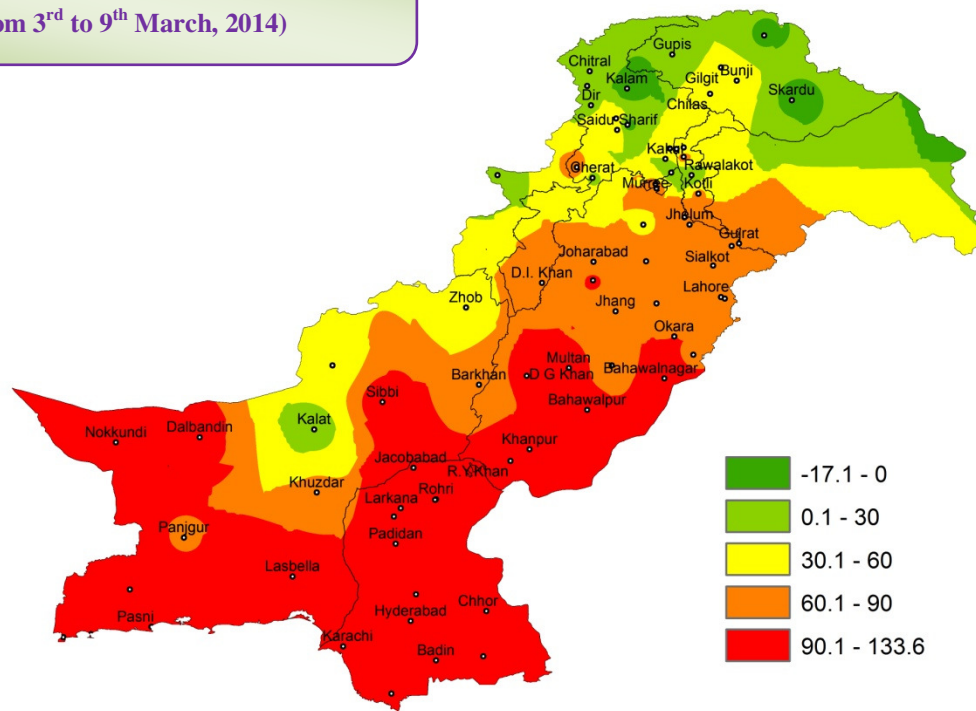
Lowest Minimum Temperature (°C) during the Previous week (From 3rd to 9th March, 2014)



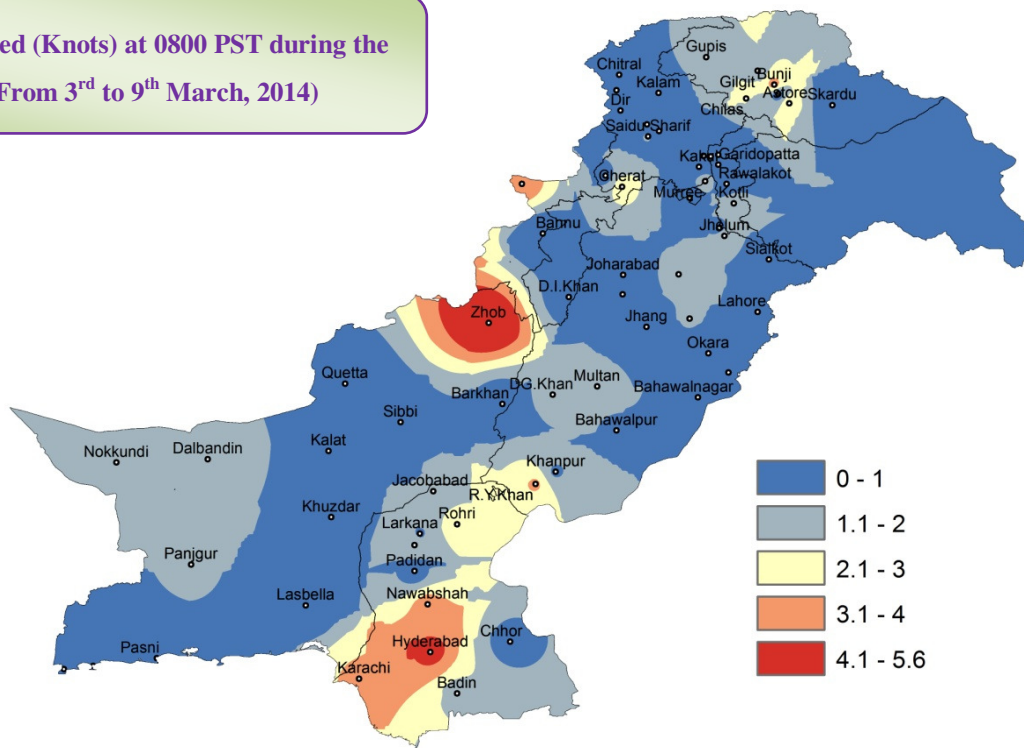
Mean Relative Humidity (%) during the Previous week (From 3rd to 9th March, 2014)



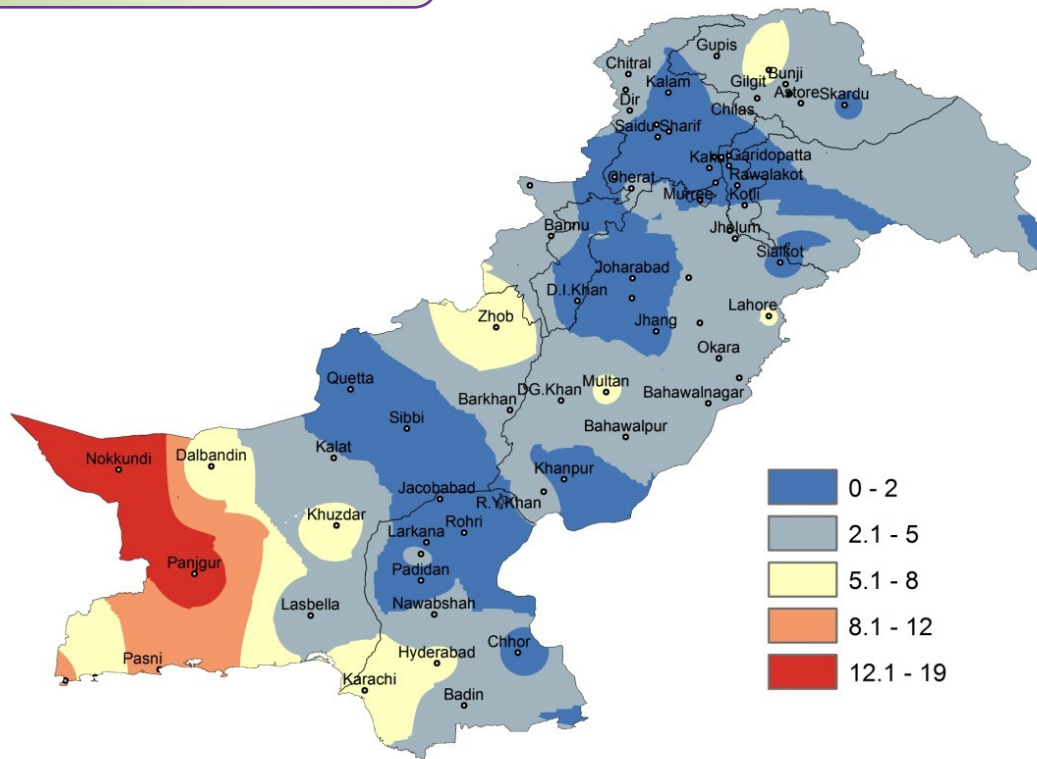
Total Growing Degree Days accumulated during the Previous week (From 3rd to 9th March, 2014)



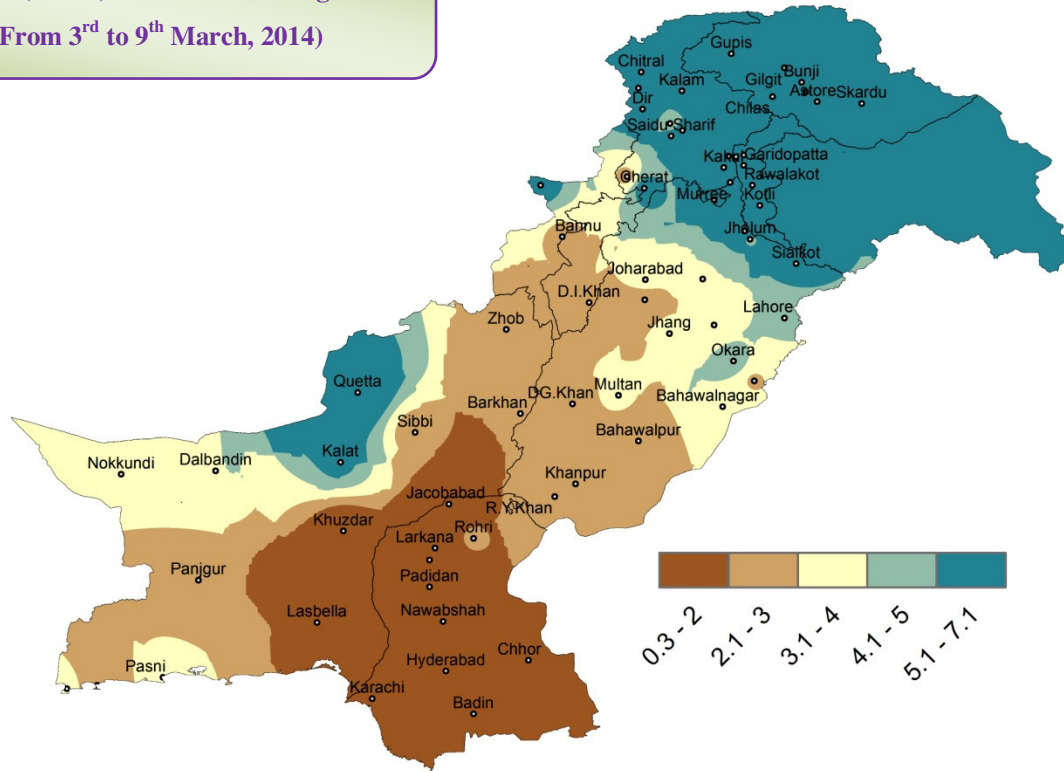
Mean Wind Speed (Knots) at 0800 PST during the Previous week (From 3rd to 9th March, 2014)



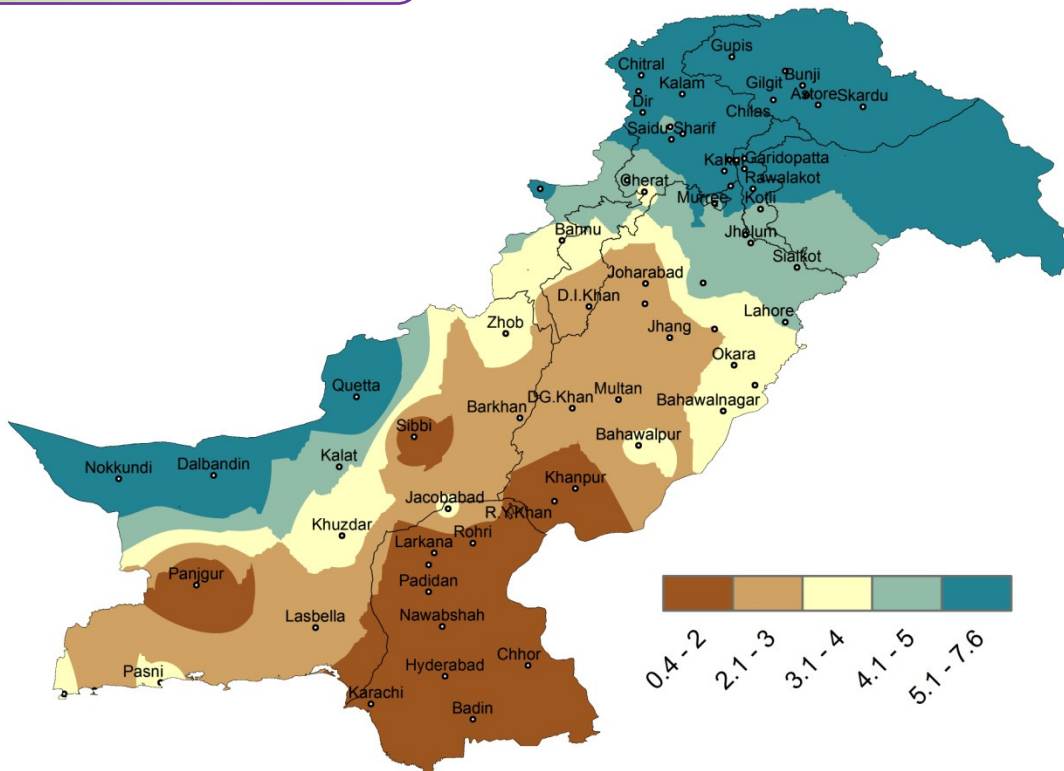
Mean Wind Speed (Knots) at 1700 PST during the Previous week (From 3rd to 9th March, 2014)



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



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



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

Western disturbance is affecting upper and central parts of the country and expected to persist in Upper parts of the country during next 36 to 48 hours. Continental air would prevail over most parts of the country during mid of the week. A fresh western disturbance is expected to approach western and upper parts of the country during the weekend.

Punjab including Islamabad

Widespread rain-thunderstorm is expected in Islamabad, Upper Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad divisions), scattered in Multan, Sahiwal, D.G.Khan and Bahawalpur divisions next 36 hours.

Heavy rain/thundershowers (accompanied by isolated hailstorm) are expected in Islamabad, Rawalpindi, Chakwal, Jhelum, Gujrat, Sialkot districts during next 36 hrs (Monday eve/night and Tuesday).

Mainly cold and dry weather is expected in most parts of province during rest days of the week. More rain-thunderstorm is expected at isolated places in Islamabad, upper Punjab (Rawalpindi, Sargodha, Gujranwala and Lahore divisions) during the weekend.

Khyber Pakhtunkhwa

Widespread rain-thunderstorm (snow over the hills) is expected in upper/central KP (Malakand, Hazara, Peshawar, Kohat, Bannu divisions), scattered in D.I.Khan during next 24 to 36 hours.

Heavy rain/thundershowers (accompanied by isolated hailstorm) are expected in Abbottabad, Haripur, Mansehra districts during next 36 hrs (Monday eve/night and Tuesday).

Mainly cold and dry weather is expected in most parts of province during rest days of the week. More rain-thunderstorm is expected at isolated places in upper/central KP (Malakand, Hazara, Peshawar, Kohat, Bannu divisions) during the weekend.

Balochistan

Mainly cold and dry weather is expected in most parts of province during week; however rain-thunderstorm is expected at isolated places in Balochistan (Quetta, Zhob, Kalat and Makran division) on Friday/Saturday.

Sindh

Mainly dry weather is expected in most parts of the province during the week, however partly cloudy weather conditions with chances of light rain-thunderstorm may occur at one or two places in Sukkur division today and during the weekend.

Kashmir

Widespread rain-thunderstorm (snowfall over the hills) is expected in Kashmir today and Tuesday. Heavy rain is also expected at a number of places in Kashmir during next 36 hrs (Monday eve/night and Tuesday). Due to intermittent heavy rain, there would be a risk of landslides in the vulnerable areas of Kashmir on Monday evening and Tuesday.

Isolated rain-thunderstorm is also expected on Wednesday and during the weekend.

Gilgit-Baltistan

Widespread rain-snow is expected in Gilgit-Baltistan today and Tuesday. Mostly partly cloudy weather conditions expected during rest days of the week, however, isolated light rain-snow are expected on Wednesday and during the weekend.

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 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	-4.4	-8.0	***	54	5.0	5.0	6.9	2.9	4.3
Badin	15.6	13.6	129.0	52	0.0	1.0	1.4	1.7	2.3
Bahawalnagar	13.4	11.5	100.2	64	0.0	1.7	2.1	0.6	2.9
Bahawalpur	11.9	9.5	94.8	68	0.2	2.3	2.1	0.9	2.0
Balakot	5.5	3.3	46.7	65	47.1	5.6	6.0	0.6	0.6
Bannu	9.0	6.0	***	69	13.2	2.6	3.9	0.0	2.3
Barkhan	6.9	4.5	60.5	59	2.0	2.4	4.6	0.0	2.3
Bunji	7.3	3.3	46.5	36	0.1	6.1	7.1	3.7	1.7
Cherat	5.1	4.0	25.4	75	36.0	5.0	5.6	2.6	2.9
Chhor	13.5	12.5	127.6	55	0.0	0.4	1.5	0.6	1.7
Chilas	6.7	6.0	51.0	38	1.1	4.7	4.7	2.0	3.1
Chitral	1.8	0.0	22.1	67	15.0	6.0	7.1	0.6	3.1
D.G.Khan	13.6	11.0	100.1	69	2.0	3.6	4.1	1.4	3.4
D.I.Khan	10.0	7.5	75.3	74	4.2	2.9	5.7	0.3	1.1
Dalbandin	9.3	7.5	97.8	41	0.1	1.9	3.9	2.0	5.7
Dir	2.6	0.0	25.5	72	30.0	6.1	6.3	0.0	2.0
Drosh	-0.5	-1.8	13.6	53	11.0	6.0	6.4	0.0	5.1
Faisalabad	11.6	9.0	90.7	60	0.1	3.0	2.9	0.7	0.8
Garidopatta	6.0	3.5	65.5	64	14.0	2.0	4.0	0.0	0.3
Gawader	15.1	14.0	118.5	71	0.0	1.7	2.3	0.0	7.3
Gilgit	3.0	1.0	34.4	46	1.0	7.0	6.0	1.4	7.9
Gupis	-0.1	-0.5	2.5	47	0.0	5.6	5.4	1.7	3.1

Hyderabad	17.0	14.5	125.4	51	0.0	1.3	1.6	4.3	6.0
Islamabad	7.8	6.0	63.3	72	66.2	4.7	5.4	0.0	2.0
Jacobabad	13.5	12.0	108.8	67	0.0	1.9	2.9	1.1	0.6
Jhang	9.8	7.0	81.8	71	3.0	3.4	1.9	0.0	1.4
Jhelum	9.7	8.3	83.0	66	42.2	4.3	5.3	1.7	3.7
Jiwani	16.4	15.5	117.1	73	0.0	1.6	2.0	0.6	8.3
Joharabad	10.5	9.0	80.6	78	13.6	3.0	3.9	0.3	1.1
Kakul	3.2	2.0	29.1	74	57.4	4.0	6.9	0.0	0.9
Kalam	-2.4	-5.5	***	75	39.0	4.7	5.7	0.0	0.0
Kalat	-1.1	-3.0	15.4	49	0.0	1.9	4.0	0.6	2.0
Karachi	17.0	15.5	133.6	55	1.0	2.3	2.7	3.1	7.4
Khanpur	12.6	11.0	102.0	65	0.0	1.7	2.4	0.9	1.1
Khuzdar	6.1	4.5	64.4	43	2.0	1.0	2.1	0.0	6.0
Kotli	7.9	6.9	64.5	67	70.1	4.4	6.0	1.7	2.0
Lahore	11.6	8.9	89.6	63	1.2	3.4	3.9	0.6	5.1
Larkana	13.1	11.2	105.7	63	0.0	2.4	1.9	0.9	1.1
Lasbella	14.4	14.0	120.4	57	0.0	2.1	1.9	0.0	3.4
Lower Dir	7.9	3.0	60.4	62	27.0	5.3	4.9	0.6	2.0
Malam Jabba	-1.0	-3.0	***	65	30.0	5.9	6.4	0.0	0.0
M.B Din	10.7	10.0	84.7	73	18.2	3.3	5.9	1.4	2.0
Mangla	8.5	7.8	74.5	67	57.0	5.0	5.9	0.6	4.7
Mir Khani	3.1	2.5	***	57	15.0	5.7	5.9	0.0	3.6
Moinjodaro	12.1	9.5	101.4	64	0.0	1.9	2.0	2.0	2.6
Multan	12.9	10.3	95.6	64	1.1	3.1	3.6	1.4	5.4
Murree	1.4	-1.5	0.6	70	66.0	4.3	5.9	1.7	1.7
Muzaffarabad	5.6	3.5	52.2	69	61.0	3.6	6.9	0.0	1.1

Nokkundi	13.6	11.6	113.1	15	0.1	0.7	1.7	2.0	19.0
Noorpurthal	11.4	9.5	91.9	73	10.0	3.0	1.7	0.3	0.6
Okara	11.0	9.0	90.1	69	1.0	3.0	2.7	0.0	2.3
Padidan	13.6	12.5	107.4	70	0.0	1.1	1.0	0.3	1.4
Panjgur	10.5	9.0	88.0	44	0.0	0.0	1.0	1.1	13.4
Parachinar	-0.2	-0.6	13.1	70	170.2	5.0	5.4	3.9	3.9
Pasni	17.0	15.5	121.5	71	0.0	2.1	2.6	0.9	8.6
Pattan	6.1	5.5	51.3	68	47.0	4.7	5.3	0.0	0.0
Peshawar	8.3	7.0	72.1	74	18.2	3.6	4.1	0.6	0.0
Quetta	3.9	0.5	37.5	44	3.6	2.6	4.8	3.0	3.6
R.Y.Khan	13.1	10.8	108.0	65	0.0	2.7	1.9	3.1	2.6
Rawalakot	-0.4	-2.6	5.9	78	94.1	4.4	5.4	0.0	0.9
Rohri	16.0	12.5	114.5	63	0.0	1.6	1.3	2.6	1.1
Rawalpindi	7.5	5.0	62.2	70	68.7	3.4	3.9	0.3	0.8
Sahiwal	11.0	8.2	88.1	70	0.1	2.4	2.6	0.0	2.6
Saidu Sharif	6.1	4.0	49.6	67	26.0	5.6	6.0	1.1	0.3
Sialkot	9.6	8.8	76.2	70	6.0	4.3	5.1	0.0	1.4
Sibbi	14.8	12.0	109.5	49	0.0	1.7	2.0	0.0	0.0
Skardu	-1.8	-5.3	***	50	8.0	5.9	6.7	0.0	1.7
Tandojam	14.6	13.5	118.8	67	0.0	0.8	0.2	0.1	1.1
U.Muhammad	12.9	10.0	107.8	62	0.0	0.8	2.3	0.1	0.1
Zhob	4.5	2.0	43.5	56	19.0	4.0	5.4	5.6	7.9

*** Shows that data was not available.