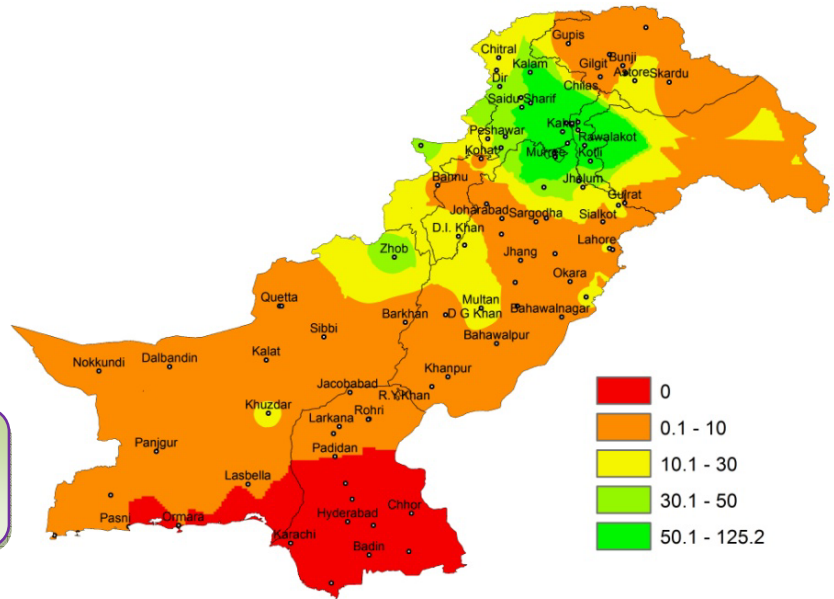


# Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the  
Previous Week (From 24<sup>th</sup> to 30<sup>th</sup> March, 2014)**

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## Highlights of Past Weather (From 24<sup>th</sup> to 30<sup>th</sup> March, 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, 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 24<sup>th</sup> to 30<sup>th</sup> March, 2014)

### Punjab

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 25.1°C & 14.2°C respectively. For the present season average 101.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 70% and wind speed in the morning/evening recorded 1.9/2.5 Knots. During the previous week highest amount of rainfall reported at Murree 126.0mm and lowest minimum temperature was recorded 2.0°C at Murree.

### Sindh

Light rainfall reported at isolated places in Sindh during the week. Weekly maximum and minimum temperatures recorded 31.2°C & 18.1°C respectively. For the present season average 137.7 growing degree days accumulated by the end of last week. Average relative humidity recorded 55% and wind speed in the morning/evening recorded 2.7/3.7 Knots. During the previous week highest amount of rainfall reported at Jacobabad 2.0mm and lowest minimum temperature was recorded 11.0°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 16.9°C & 7.1°C respectively. For the present season average 54.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 74% and wind speed in the morning/evening recorded 0.7/3.0 Knots. The highest amount of rainfall was reported at Kakul 104.0mm and lowest minimum temperature recorded -3.5°C at Kalam.

### Balochistan

Light to moderate rainfall reported at few places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 23.0°C & 10.5°C respectively. For the present season average 83.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 52% and wind speed in the morning/evening recorded 1.6/4.6 Knots. During the previous week highest amount of rainfall reported at Zhob 35.0mm and lowest minimum temperature recorded -2.5°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 16.7°C & 6.8°C respectively. For the present season average 51.7 growing degree days accumulated by the end of last week. Average relative humidity recorded 62% and wind speed in the morning/evening recorded 1.3/2.8 Knots. During the previous week highest amount of rainfall reported at Pattan 107.0mm and lowest minimum temperature recorded -1.0°C at Astore.

**Past Weather for Major Agricultural Plains  
(From 24<sup>th</sup> to 30<sup>th</sup> March, 2014)**

**Rawalpindi (Potohar region)**

Rainfall reported as 78.6mm during the week; however cloudiness in the morning/evening recorded 4.1/4.1 Oktas while, average relative humidity observed 79%. Mean night time temperature recorded 10.5°C & for the present season 78.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/1.1 Knots.

**Faisalabad (Central Punjab)**

Rainfall reported as 1.2mm during the week; however cloudiness in the morning/evening recorded 4.4/3.9 Oktas while average relative humidity observed as 60%. Mean night time temperature recorded 15.2°C & for the present season 113.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/1.4 Knots.

**Tandojam (Lower Singh)**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.0/2.0 Oktas while, average relative humidity observed as 54%. Mean night time temperature recorded 18.1°C & for the present season 143.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.2/1.1 Knots.

**Quetta (Northern Balochistan)**

Rainfall reported as 16.2mm during the week; however cloudiness in the morning/evening recorded 2.6/3.1 Oktas while, average relative humidity observed as 52%. Mean night time temperature recorded 4.9°C & for the present season 35.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.2/3.7Knots.

**Usta Muhammad (Eastern Balochistan)**

Rainfall reported as 6.0mm during the week; however cloudiness in the morning/evening recorded 2.6/2.6 Oktas while, average relative humidity observed as 51%. Mean night time temperature recorded 15.1°C & for the present season 120.8 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 24<sup>th</sup> to 30<sup>th</sup> March, 2014)**

**Rohri**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.0/2.9 Oktas while, average relative humidity observed as 54%. Mean night time temperature recorded 18.7°C & for the present season 134.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.9/3.4 Knots.

**Multan**

Rainfall reported as 21.3mm during the week; however cloudiness in the morning/evening recorded 3.9/3.7 Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded 16.2°C & for the present season 116.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.4/3.0 Knots.

**Lahore**

Rainfall reported as 12.4mm during the week; however cloudiness in the morning/evening recorded 3.6/3.0 Oktas while, average relative humidity observed as 66%. Mean night time temperature recorded 14.7°C & for the present season 105.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.9/2.0 Knots.

**Zhob**

Rainfall reported as 35.0mm during the week; however cloudiness in the morning/evening recorded 1.1/2.6 Oktas while, average relative humidity observed as 54%. Mean night time temperature recorded 8.4°C & for the present season 59.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/7.3 Knots.

**D.I. Khan**

Rainfall reported as 13.1mm during the week; however cloudiness in the morning/evening recorded 3.8/4.2 Oktas while, average relative humidity observed as 70%. Mean night time temperature recorded 13.0°C & for the present season 98.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.0 Knots.

**Peshawar**

Rainfall reported as 23.0mm during the week; however cloudiness in the morning/evening recorded 4.6/5.0 Oktas while, average relative humidity observed as 75%. Mean night time temperature recorded 11.7°C & for the present season 80.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/2.3 Knots.

**Murree**

Rainfall reported as 126.0mm during the week; however cloudiness in the morning/evening recorded 5.4/5.2Oktas while, average relative humidity observed as 75%. Mean night time temperature recorded 3.8°C & for the present season 13.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.7/3.0 Knots.

**Kalam**

Rainfall reported as 55.0mm during the week; however cloudiness in the morning/evening recorded 5.3/6.7 Oktas while, average relative humidity observed as 77%. Mean night time temperature recorded -0.7°C by the end of last week.

**Gilgit**

Rainfall reported as 1.3mm during the week; however cloudiness in the morning/evening

recorded 6.9/7.2 Oktas while, average relative humidity observed as 48%. Mean night time temperature recorded 9.1°C& for the present season 64.5growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/6.3 Knots.

**Skardu**

Rainfall reported as 0.3mm during the week; however cloudiness in the morning/evening recorded 5.4/5.2 Oktas while, average relative humidity observed as 45%. Mean night time temperature recorded 5.9°C & for the present season 40.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.4/3.2 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 RAMC Rawalpindi.

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

**Central Punjab (Faisalabad)**

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

**Wheat:** Very good condition at *Milk Maturity* stage.

**Lower Sindh (Tandojam)**

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

**Wheat (PD-1):** Good condition at *Full Maturity* stage.

**Northern Balochistan (Quetta)**

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

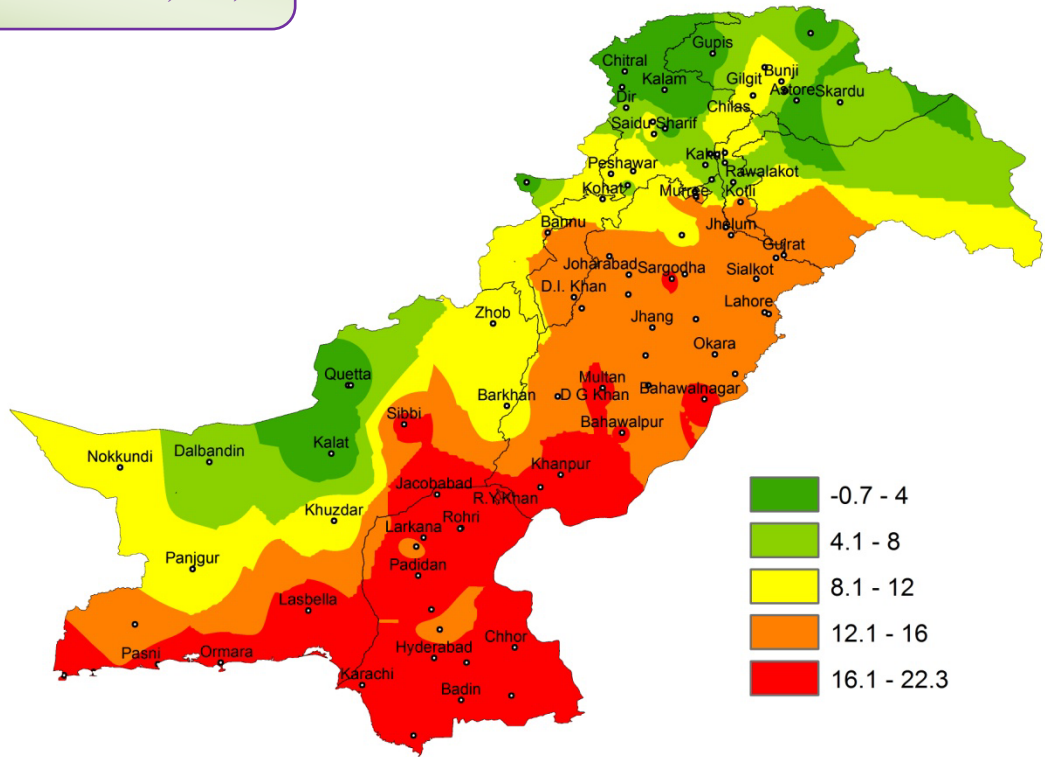
**Wheat (Local white):** Good condition at *Tillering* stage.

**Eastern Balochistan (Usta Muhammad)**

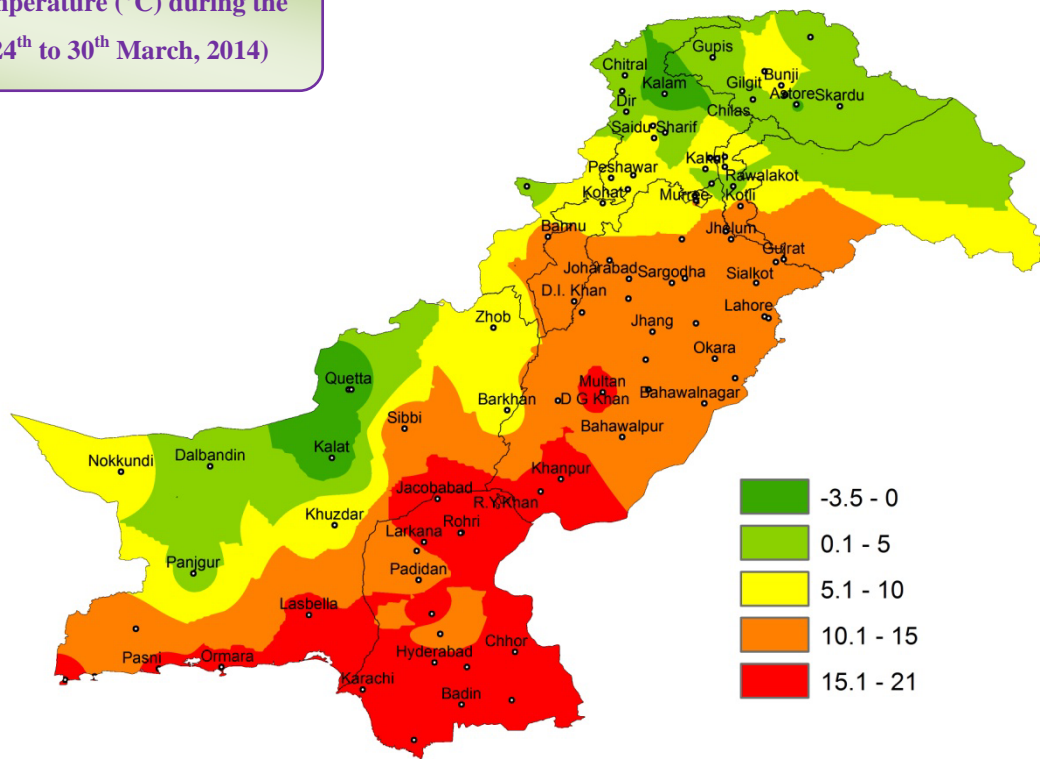
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

**Wheat:** Good condition at *Wax Maturity* stage.

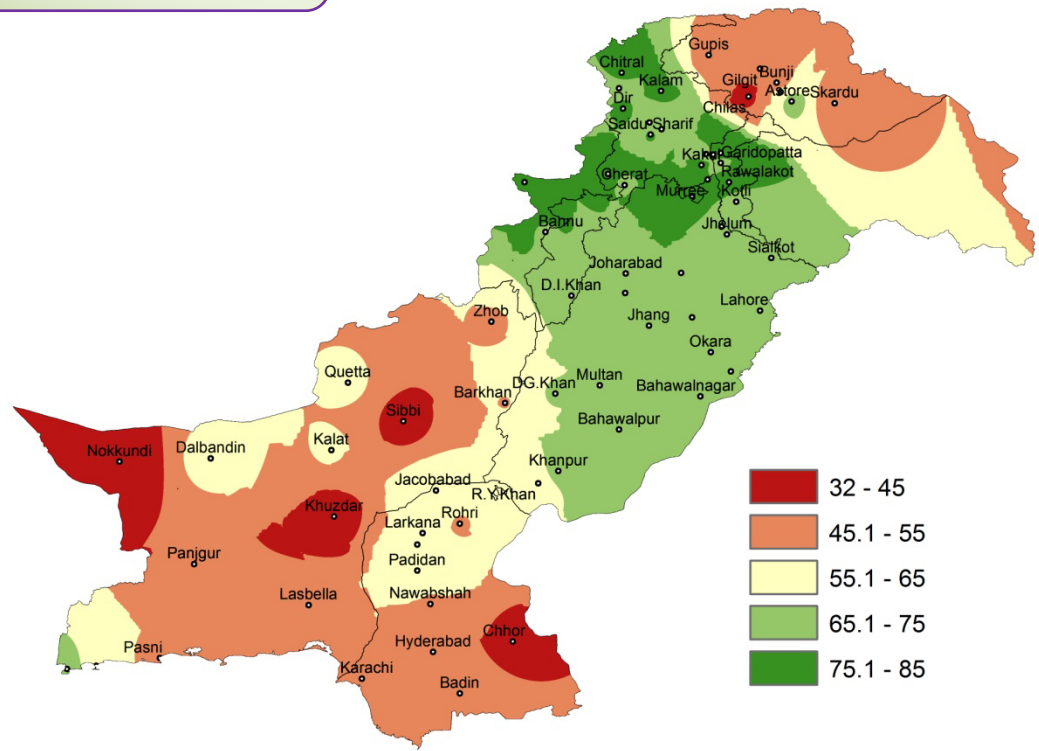
Mean Minimum Temperature (°C) during the Previous week (from 24<sup>th</sup> to 30<sup>th</sup> March, 2014)



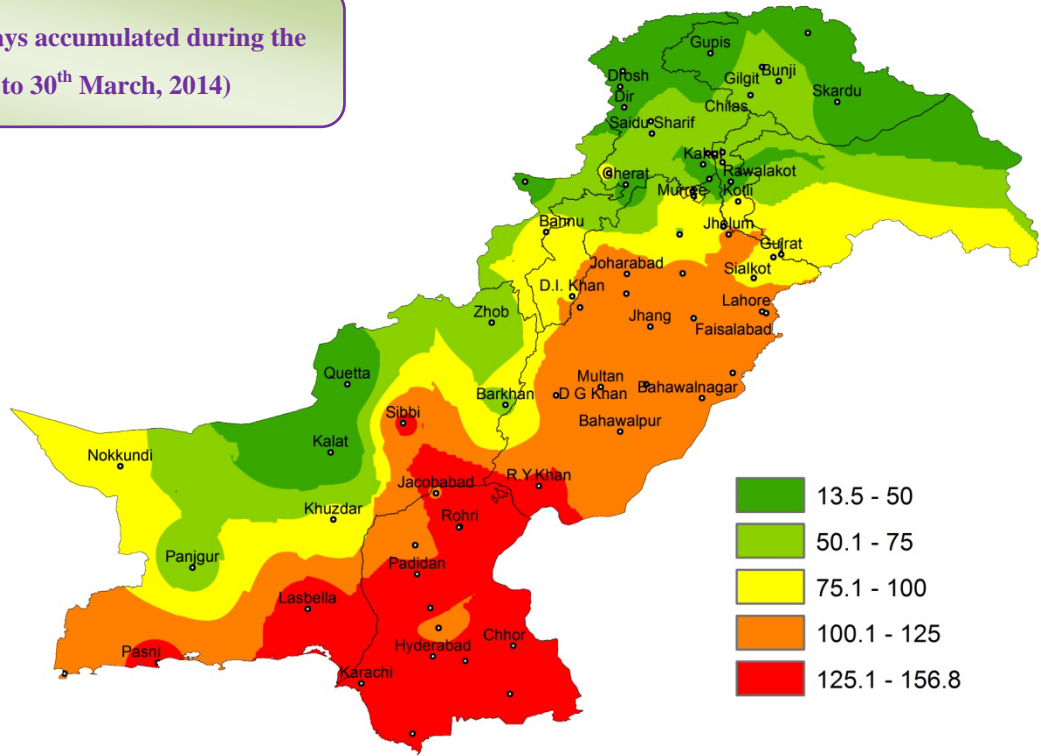
Lowest Minimum Temperature (°C) during the Previous week (from 24<sup>th</sup> to 30<sup>th</sup> March, 2014)



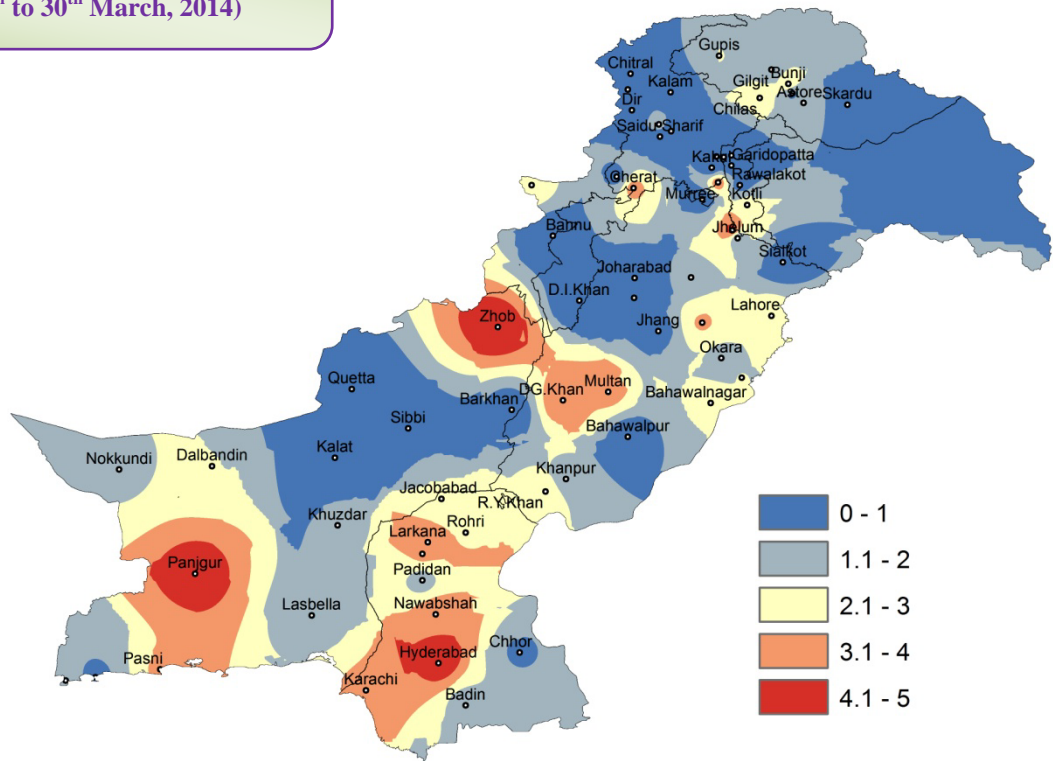
Mean Relative Humidity (%) during the Previous week (from 24<sup>th</sup> to 30<sup>th</sup> March, 2014)



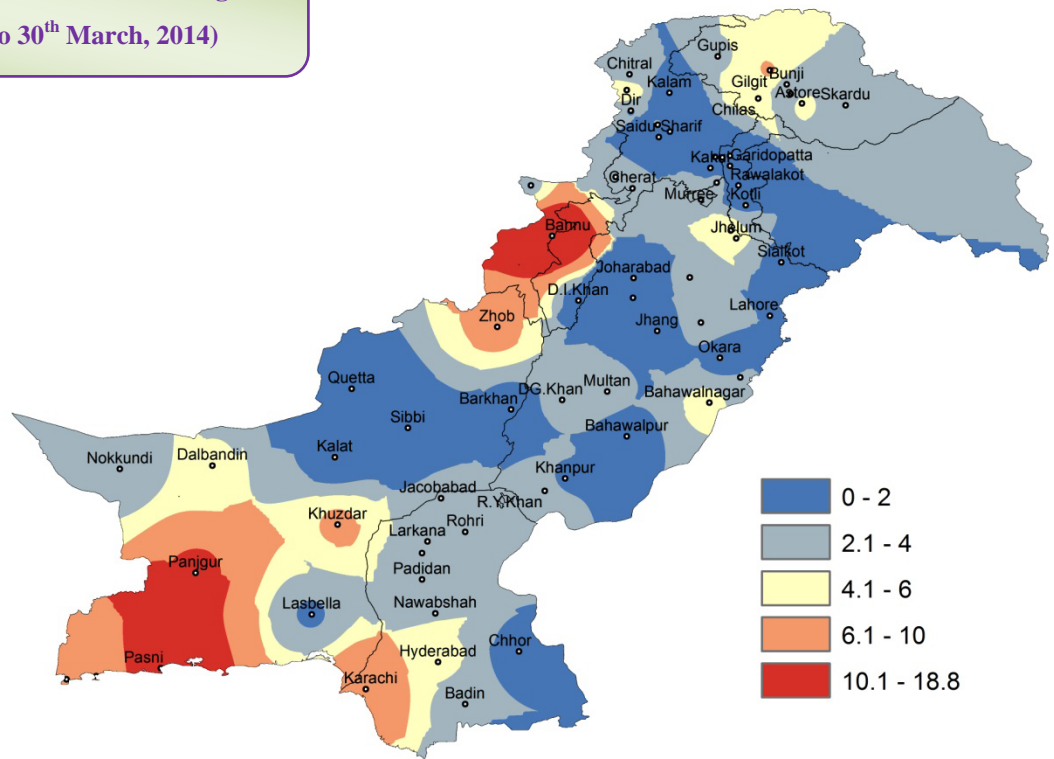
Total Growing Degree Days accumulated during the Previous week (from 24<sup>th</sup> to 30<sup>th</sup> March, 2014)



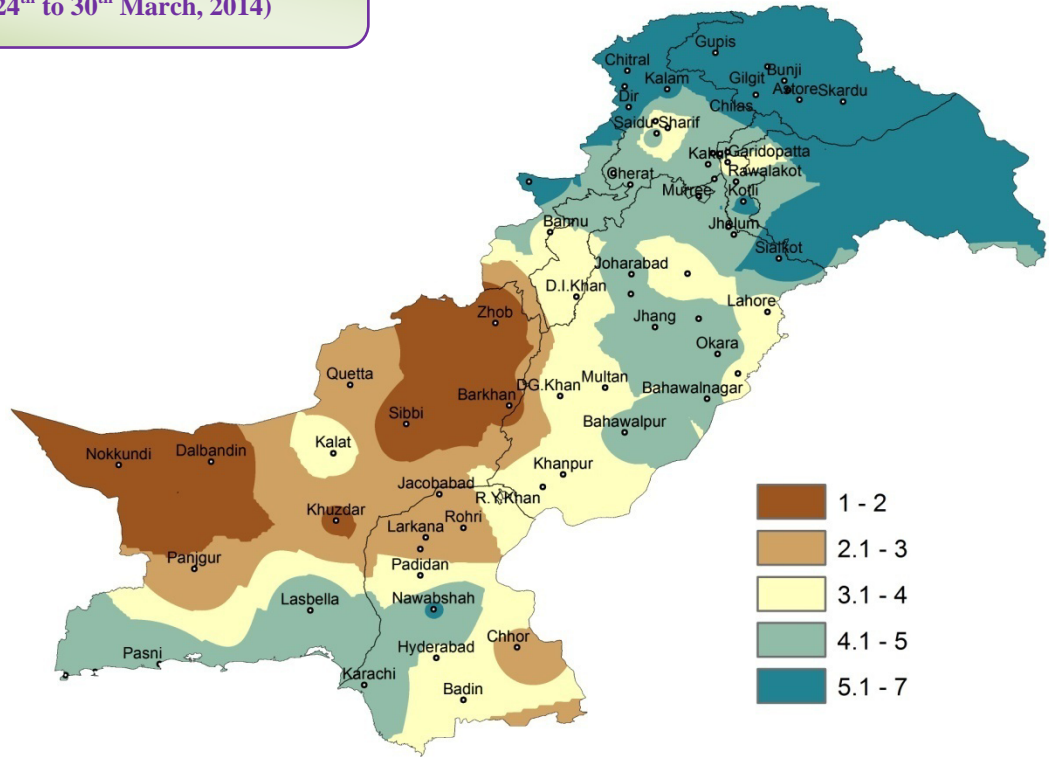
Mean Wind Speed (Knots) at 0800 PST during the Previous week (from 24<sup>th</sup> to 30<sup>th</sup> March, 2014)



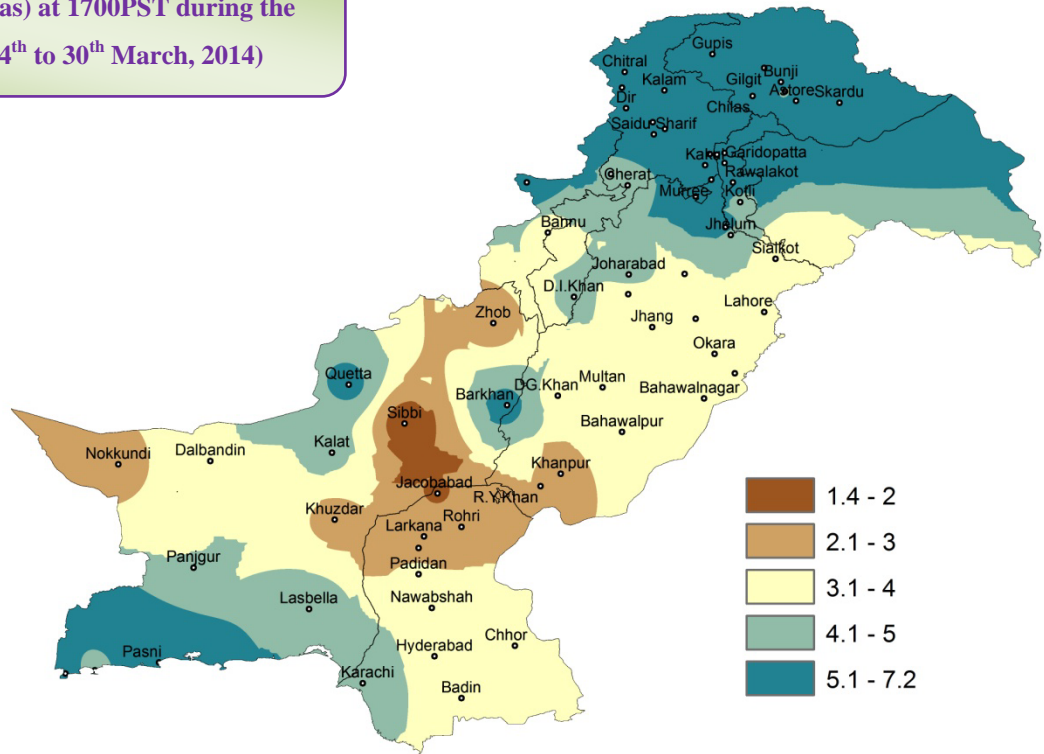
Mean Wind Speed (Knots) at 1700 PST during the Previous week (from 24<sup>th</sup> to 30<sup>th</sup> March, 2014)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 24<sup>th</sup> to 30<sup>th</sup> March, 2014)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (from 24<sup>th</sup> to 30<sup>th</sup> March, 2014)





**Weekly Weather Advisory for Farmers**  
**(From 31<sup>st</sup> March to 6<sup>th</sup> April, 2014)**

A fresh westerly wave is expected to approach western parts of the country on Tuesday (evening/night) and likely to grip upper/central parts of the country on Wednesday. Another westerly wave is expected to approach western & northern parts of Balochistan on Friday (evening/night) and likely to grip upper/central parts the country on Saturday, which may persist till Monday.

**Punjab including Islamabad**

Scattered rain-thundershower (associated with gusty winds) is expected in Islamabad, Upper Punjab (Rawalpindi, Gujranwala, Sargodha, and Lahore divisions), isolated in Faisalabad, Multan, Sahiwal and D.G. Khan divisions on Tuesday (night)/ Wednesday and again during the weekend.

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

**Khyber Pakhtunkhwa**

Scattered rain-thundershower (associated with gusty winds) is expected in Malakand, Hazara, Peshawar, Kohat and Bannu divisions, isolated in D.I. Khan divisions on Tuesday (evening/night)/Wednesday and again during the weekend.

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

**Balochistan**

Mainly dry weather is expected in most parts of the province during the week. However, isolated rain-thundershower is expected in Quetta & Zhob divisions on Tuesday (evening/night) and scattered rain-thunderstorm in Balochistan on Friday (evening/night)/Saturday.

**Sindh**

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

**Kashmir**

Scattered rain-thundershower (associated with gusty winds) is expected in Kashmir on Wednesday and again during the weekend. Mainly dry weather with partly cloudy weather conditions is expected during rest days of the week.

**Gilgit-Baltistan**

Scattered rain-thunderstorm is expected in Gilgit-Baltistan on Wednesday and again during the weekend. No significant weather except partly cloudy weather conditions at times is expected during rest days of the week.

**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 24<sup>th</sup> to 30<sup>th</sup> March, 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	0.2	-1.0	**	71	26.1	6.1	6.5	1.7	4.7
Badin	19.4	18.5	**	50	0.0	3.0	3.3	1.4	2.0
Bahawalnagar	16.6	13.8	117.8	66	0.0	4.0	3.7	2.3	5.0
Bahawalpur	16.0	13.9	118.4	70	1.1	4.1	3.9	0.0	0.6
Balakot	7.5	6.7	52.4	72	52.0	5.0	6.3	0.7	1.5
Bannu	12.1	11.0	84.7	75	7.0	3.7	3.5	0.0	18.8
Barkhan	9.3	8.5	72.5	55	0.0	1.7	5.3	0.0	0.6
Bunji	10.9	8.9	71.3	44	1.1	6.4	7.0	3.1	3.7
Cherat	6.9	5.0	35.8	75	40.0	4.9	4.8	3.4	2.7
Chhor	19.9	17.5	156.6	43	0.0	2.9	3.9	0.9	1.1
Chilas	8.6	1.0	66.8	44	0.3	5.8	6.0	2.3	5.0
Chitral	2.7	1.5	25.3	79	18.0	5.7	6.0	0.0	2.0
DG.Khan	15.7	14.7	111.8	66	1.1	3.4	3.7	4.0	2.7
D.I.Khan	13.0	12.0	98.5	70	13.1	3.8	4.2	0.0	1.0
Dalbandin	6.4	4.0	**	60	4.0	1.6	3.8	2.0	4.3
Dir	4.6	2.5	30.9	78	41.4	6.1	6.5	0.0	1.8
Drosh	1.9	0.5	23.7	67	17.2	5.4	5.2	0.6	6.3
Faisalabad	15.2	14.0	113.8	60	1.2	4.4	3.9	1.4	1.4
Garidopatta	7.5	6.5	58.3	71	40.0	3.1	5.0	0.0	0.0
Gawader	16.4	15.0	**	59	3.0	4.0	4.7	0.7	7.1
Gilgit	9.1	8.0	64.5	48	1.3	6.9	7.2	1.1	6.3
Gupis	2.7	2.0	21.8	51	0.0	5.7	6.6	2.0	3.6

Hyderabad	19.6	18.0	145.4	45	0.0	3.9	3.6	4.6	4.7
Islamabad	10.7	8.0	75.3	83	104.0	4.9	5.3	0.0	3.7
Jacobabad	16.2	15.0	124.6	64	2.0	3.0	1.9	2.0	2.3
Jhang	13.5	11.4	107.0	69	2.0	4.7	3.5	0.6	0.3
Jhelum	14.2	13.3	103.9	70	23.2	4.6	4.5	0.9	4.0
Jiwani	18.2	15.5	123.1	71	4.0	4.0	5.3	1.4	6.3
Joharabad	13.3	10.5	101.7	74	1.0	4.1	4.5	0.3	1.7
Kakul	7.0	5.0	42.7	76	104.0	4.4	6.0	0.0	1.0
Kalam	-0.7	-3.5	**	77	55.0	5.3	6.7	0.0	0.0
Kalat	0.5	-2.5	15.5	56	2.0	3.4	4.3	0.0	0.3
Karachi	22.3	21.0	155.2	50	0.0	4.9	5.0	3.1	10.0
Khanpur	16.4	15.6	122.7	66	0.0	3.4	2.7	1.1	1.7
Khuzdar	10.4	9.0	79.3	40	11.0	1.9	2.7	1.1	6.6
Kotli	12.9	11.9	85.8	69	58.0	5.1	4.7	2.4	1.7
Lahore	14.7	13.2	105.5	66	12.4	3.6	3.0	2.9	2.0
Larkana	17.2	16.0	**	59	0.1	2.7	2.9	3.7	3.1
Lasbella	17.3	15.5	137.3	49	0.0	4.9	4.6	1.1	1.7
Lower Dir	9.0	6.0	66.3	66	26.0	3.9	5.7	1.7	2.3
Malam Jabba	1.0	0.5	***	74	84.0	3.7	5.0	0.0	0.0
M.B Din	15.2	14.5	107.4	73	9.1	3.3	3.8	1.4	2.3
Mangla	13.3	11.7	97.1	71	37.2	5.0	5.5	4.6	5.0
Mir Khani	5.2	3.9	**	59	12.0	5.4	4.3	0.6	2.2
Moinjodaro	15.2	14.0	118.9	58	0.0	2.9	2.6	3.1	4.0
Multan	16.2	15.5	116.7	67	21.3	3.9	3.7	3.4	3.0
Murree	3.8	2.0	13.3	75	126.0	4.7	5.2	3.7	3.0
Muzaffarabad	8.1	7.0	57.0	77	56.2	4.9	6.2	0.0	2.0

Nokkundi	9.3	5.5	77.5	32	1.0	2.0	2.7	1.7	2.0
Noorpurthal	13.5	11.0	110.3	71	0.0	4.0	3.3	0.3	0.7
Okara	15.2	14.0	**	69	6.0	4.3	3.2	1.7	1.0
Padidan	17.0	14.5	130.1	61	0.0	3.4	3.3	1.4	3.1
Panjgur	8.5	4.0	67.3	47	3.0	2.0	4.0	4.6	10.9
Parachinar	3.0	2.0	28.2	83	43.0	6.2	6.0	2.8	3.3
Pasni	18.1	16.0	130.0	51	0.0	4.9	7.0	3.1	14.9
Pattan	8.7	6.0	59.5	80	107.0	4.3	6.2	0.0	0.7
Peshawar	11.7	10.0	80.8	75	23.0	4.6	5.0	0.6	2.3
Quetta	4.9	1.2	35.9	52	16.2	2.6	3.1	3.2	3.7
R.Y.Khan	16.7	15.7	127.1	64	4.1	3.3	3.0	3.0	3.0
Rawalakot	4.5	2.2	28.9	85	87.0	4.1	5.8	0.6	0.0
Rawalpindi	10.5	9.0	78.1	79	78.6	4.1	4.1	0.5	1.1
Rohri	18.7	17.5	134.6	54	0.0	3.0	2.9	2.9	3.4
Sahiwal	14.1	12.2	106.0	71	12.0	3.9	3.3	2.0	2.0
Saidu Sharif	9.1	6.5	55.8	76	52.0	4.1	5.3	0.0	0.0
Sialkot	13.8	13.0	102.8	69	13.1	5.7	3.0	0.3	0.7
Sibbi	16.9	14.5	128.1	40	0.1	1.0	1.4	0.0	0.0
Skardu	5.9	3.4	40.3	45	0.3	5.4	5.2	0.4	3.2
Tandojam	18.1	16.5	143.5	54	0.0	3.0	2.0	1.2	1.1
U.Muhammad	15.1	13.0	120.8	51	6.0	2.6	2.6	0.1	0.2
Zhob	8.4	7.0	59.6	54	35.0	1.1	2.6	5.0	7.3

\*\*\* Shows that data was not available.