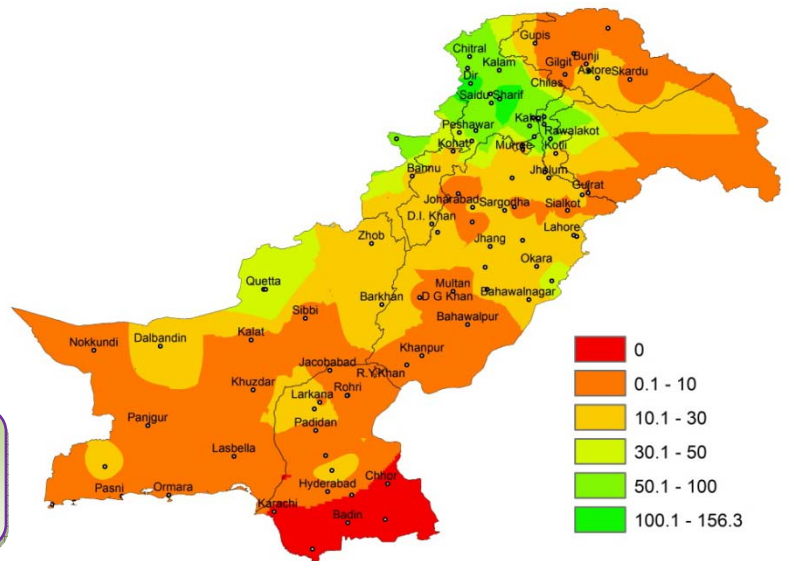


# Weekly Weather and Crop Bulletin for Pakistan

**NATIONAL AGROMET CENTRE  
PAKISTAN METEOROLOGICAL  
DEPARTMENT SECTOR H-8/2,  
ISLAMABAD.**

**Phone: +92-51-9250592**

**Email: [info@namc.pmd.gov.pk](mailto:info@namc.pmd.gov.pk)**



**Rainfall Distribution (mm) during the  
Previous Week (From 17<sup>th</sup> to 23<sup>rd</sup> March, 2014)**

<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

## Highlights of Past Weather (From 17<sup>th</sup> to 23<sup>rd</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 and Gilgit-Baltistan & Kashmir regions.
- Moderate to heavy rainfall reported at many places in Khyber Pakhtunkhwa.
- Light to moderate rainfall reported at few places in Balochistan and Sindh.

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

**Past Weather of Provinces (From 17<sup>th</sup> to 23<sup>rd</sup>****March, 2014)****Punjab**

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 27.9°C & 13.8°C respectively. For the present season average 110.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 62% and wind speed in the morning/evening recorded 1.5/3.3 Knots. During the previous week highest amount of rainfall reported at Murree 97.1mm and lowest minimum temperature was recorded 0.2°C at Murree.

**Sindh**

Light to moderate rainfall reported at few in Sindh during the week. Weekly maximum and minimum temperatures recorded 33.6°C & 16.9°C respectively. For the present season average 141.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 52% and wind speed in the morning/evening recorded 2.1/4.9 Knots. During the previous week highest amount of rainfall reported at Moinjodaro 27.0mm and lowest minimum temperature was recorded 10°C at Moinjodaro.

**Khyber Pakhtunkhwa**

Moderate to heavy rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 18.8°C & 7.2°C respectively. For the present season average 59.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 71% and wind speed in the morning/evening recorded 1.1/2.2 Knots. The Malamjabba 158.0mm and lowest minimum temperature recorded -3.5°C at Drosh.

**Balochistan**

Light to moderate rainfall reported at few places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 27.7°C & 12.1°C respectively. For the present season average 103.7 growing degree days accumulated by the end of last week. Average relative humidity recorded 48% and wind speed in the morning/evening recorded 1.5/5.7 Knots. During the previous week highest amount of rainfall reported at Quetta 48.1mm and lowest minimum temperature recorded 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 17.5°C & 6.0°C respectively. For the present season average 57.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 58% and wind speed in the morning/evening recorded 1.3/2.6 Knots. During the previous week highest amount of rainfall reported at Pattan. 80.0mm and lowest minimum temperature recorded -2.6°C at Astore.

**Past Weather for Major Agricultural Plains  
(From 17<sup>th</sup> to 23<sup>rd</sup> March, 2014)****Rawalpindi (Potohar region)**

Rainfall reported as 17.7mm during the week; however cloudiness in the morning/evening recorded 3.7/4.0 Oktas while, average relative humidity observed 65%. Mean night time temperature recorded 10.8°C & for the present season 87.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.3 Knots.

**Faisalabad (Central Punjab)**

Rainfall reported as 12.4mm during the week; however cloudiness in the morning/evening recorded 2.4/4.0 Oktas while average relative humidity observed as 55%. Mean night time temperature recorded 14.5°C & for the present season 114.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.6Knots..

**Tandojam (Lower Singh)**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.3 Oktas while, average relative humidity observed as 54%. Mean night time temperature recorded 15.6°C & for the present season 138.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.2 Knots.

**Quetta (Northern Balochistan)**

Rainfall reported as 39.4mm during the week; however cloudiness in the morning/evening recorded 2.9/4.3 Oktas while, average relative humidity observed as 33%. Mean night time temperature recorded 6.1°C & for the present season 50.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.3/3.8 Knots.

**Usta Muhammad (Eastern Balochistan)**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/1.1 Oktas while, average relative humidity observed as 50%. Mean night time temperature recorded 14.8°C & for the present season 121.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.1 Knots.

**Past Weather for Sub-Regional Agricultural  
Plains (From 17<sup>th</sup> to 23<sup>rd</sup> March, 2014)****Rohri**

Rainfall reported as 9.0mm during the week; however cloudiness in the morning/evening recorded 1.6/2.3 Oktas while, average relative humidity observed as 45%. Mean night time temperature recorded 18.0°C & for the present season 143.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/3.4 Knots.

**Multan**

Rainfall reported as 8.2mm during the week; however cloudiness in the morning/evening recorded 2.7/4.1 Oktas while, average relative humidity observed as 62%. Mean night time temperature recorded 16.0°C & for the present season 125.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.9/9.7 Knots.

**Lahore**

Rainfall reported as 14.0mm during the week; however cloudiness in the morning/evening recorded 3.3/2.3 Oktas while, average relative humidity observed as 59%. Mean night time temperature recorded 14.3°C & for the present season 111.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/4.6 Knots.

**Zhob**

Rainfall reported as 11.0mm during the week; however cloudiness in the morning/evening recorded 2.6/4.1 Oktas while, average relative humidity observed as 44%. Mean night time temperature recorded 9.4°C & for the present season 80.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.1/6.7 Knots.

**D.I. Khan**

Rainfall reported as 17.2mm during the week; however cloudiness in the morning/evening recorded 2.7/3.1 Oktas while, average relative humidity observed as 64%. Mean night time temperature recorded 12.9°C & for the present season 106.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/1.7Knots.

**Peshawar**

Rainfall reported as 47.0mm during the week; however cloudiness in the morning/evening recorded 4.1/4.3 Oktas while, average relative humidity observed as 72%. Mean night time temperature recorded 12.2°C & for the present season 93.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/2.6 Knots.

**.Murree**

Rainfall reported as 97.1mm during the week; however cloudiness in the morning/evening recorded 4.7/5.7 Oktas while, average relative humidity observed as 62%. Mean night time temperature recorded 3.0°C & for the present season 20.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.3/3.1 Knots.

**Kalam**

Rainfall reported as 55.0mm during the week; however cloudiness in the morning/evening recorded 4.3/6.6 Oktas while, average relative humidity observed as 81%. Mean night time temperature recorded -0.7°C by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.6 Knots.

**Gilgit**

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

recorded 5.9/6.6 Oktas while, average relative humidity observed as 46%. Mean night time temperature recorded 8.6°C & for the present season 61.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/6.0 Knots.

**Skardu**

Rainfall reported as 0.4mm during the week; however cloudiness in the morning/evening recorded 4.7/5.4 Oktas while, average relative humidity observed as 43%. Mean night time temperature recorded 4.3°C & for the present season 31.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.0 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 *Shooting* stage.

**Central Punjab (Faisalabad)**

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

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

**Lower Sindh (Tandojam)**

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

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

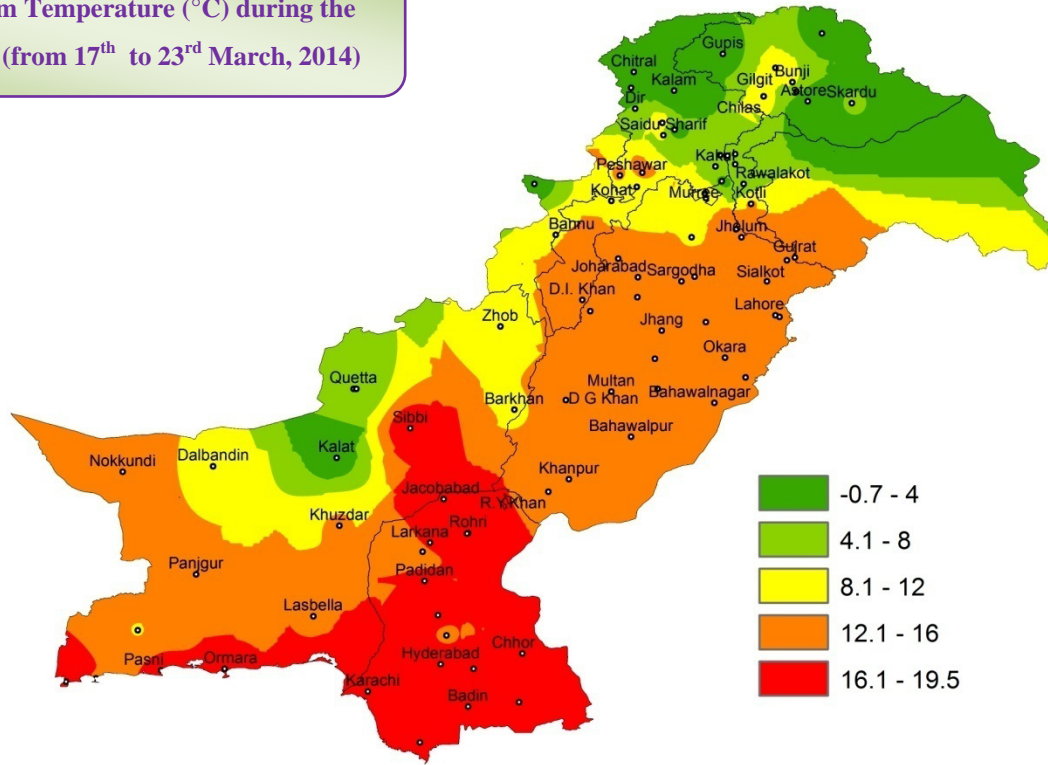
**Eastern Balochistan (Usta Muhammad)**

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

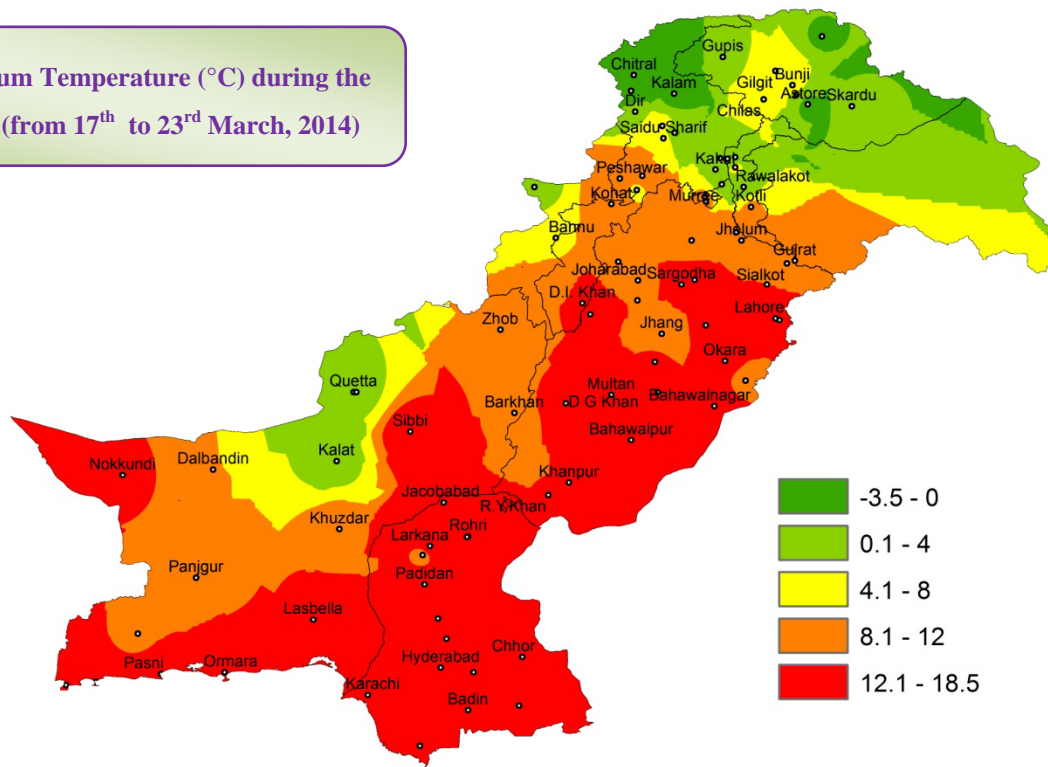
**Wheat:** Good condition at *Wax maturity started*.



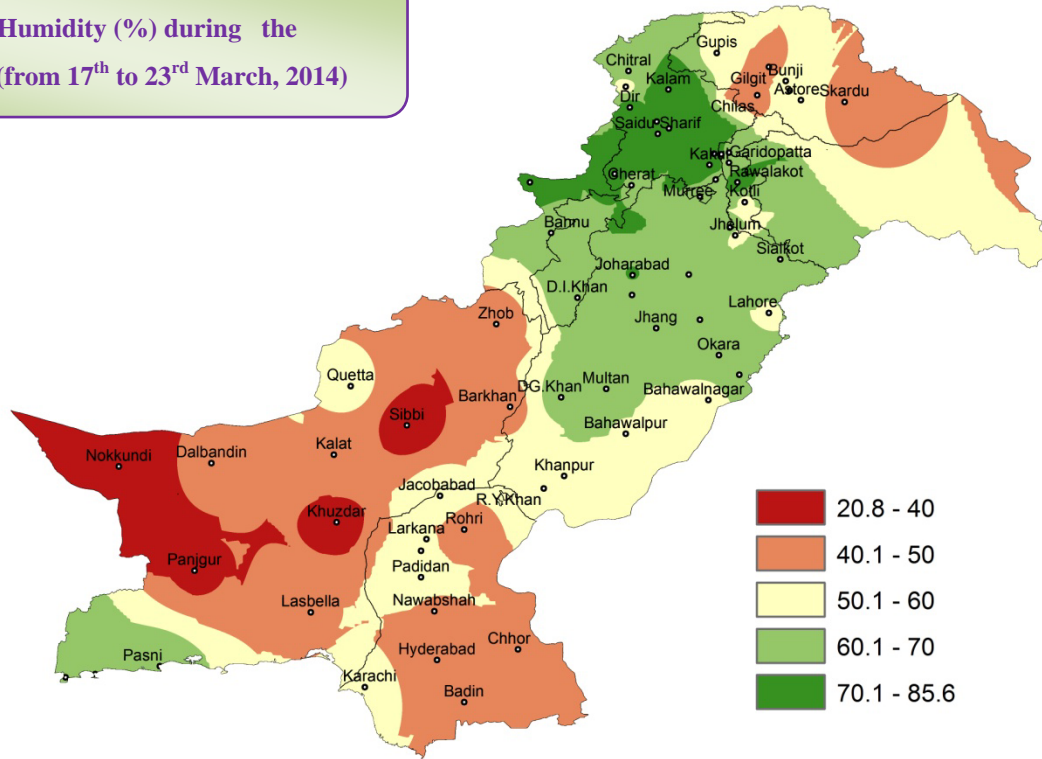
Mean Minimum Temperature (°C) during the Previous week (from 17<sup>th</sup> to 23<sup>rd</sup> March, 2014)



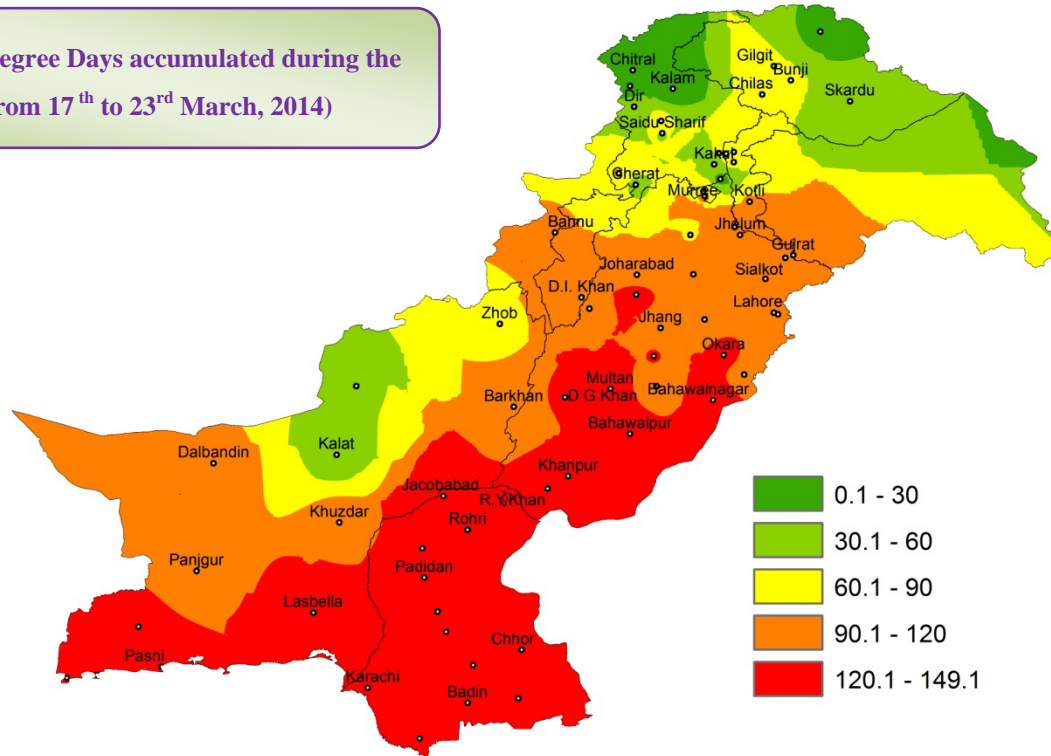
Lowest Minimum Temperature (°C) during the Previous week (from 17<sup>th</sup> to 23<sup>rd</sup> March, 2014)



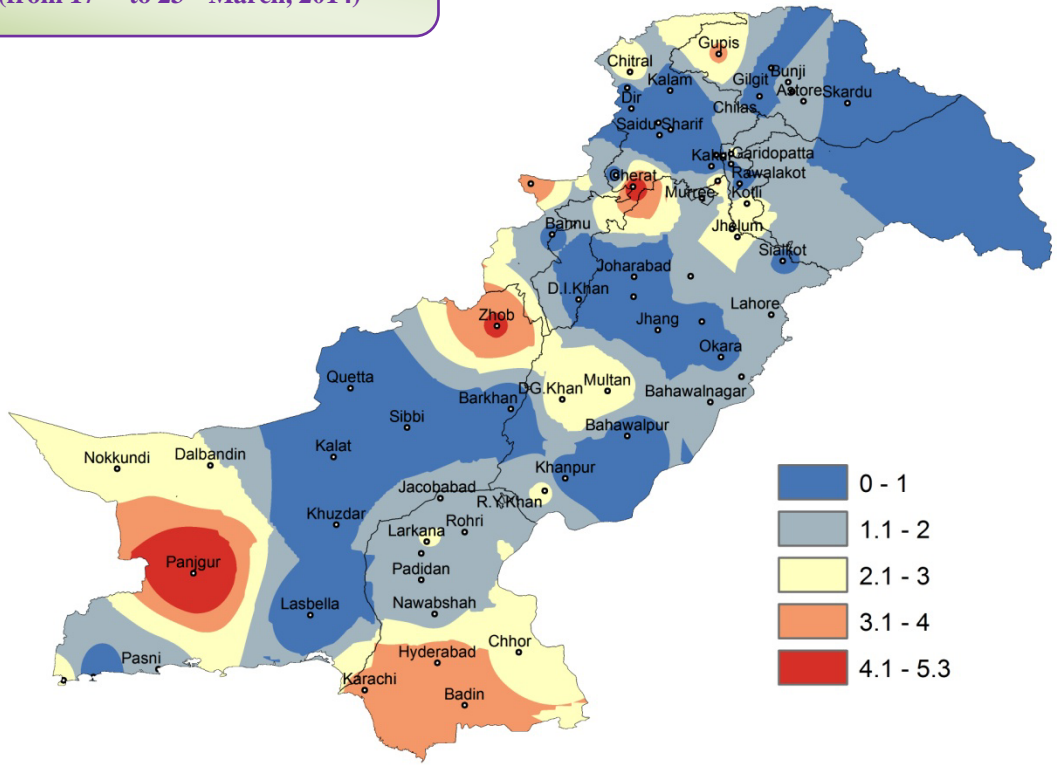
Mean Relative Humidity (%) during the Previous week (from 17<sup>th</sup> to 23<sup>rd</sup> March, 2014)



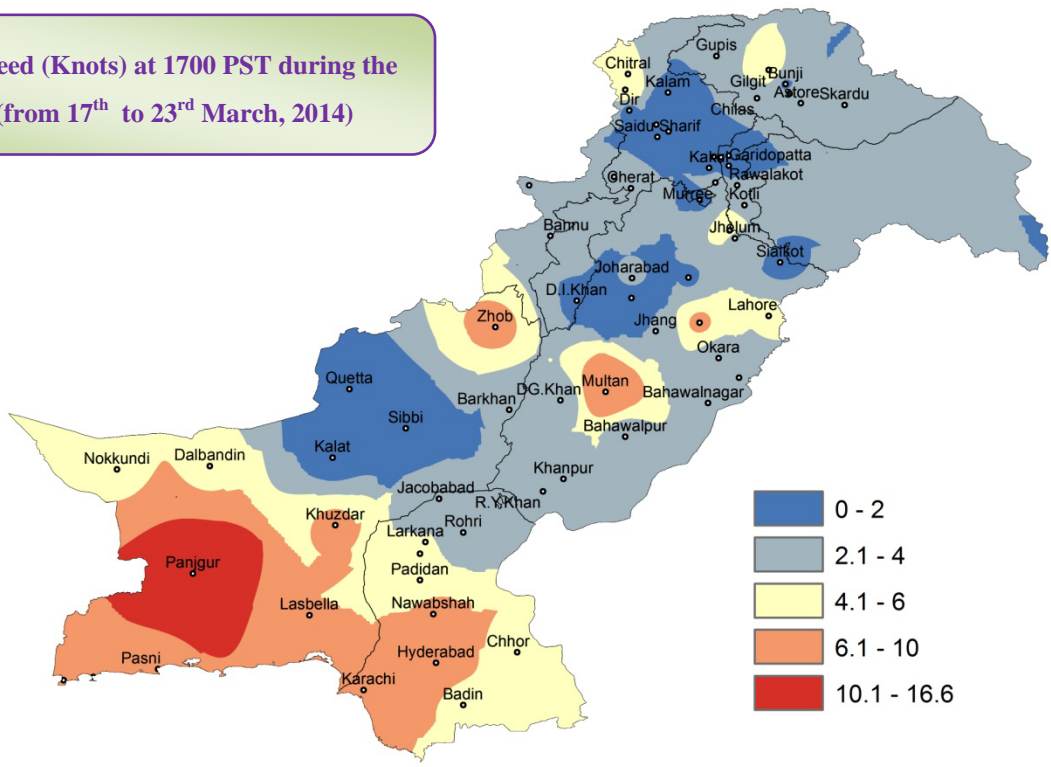
Total Growing Degree Days accumulated during the Previous week (from 17<sup>th</sup> to 23<sup>rd</sup> March, 2014)



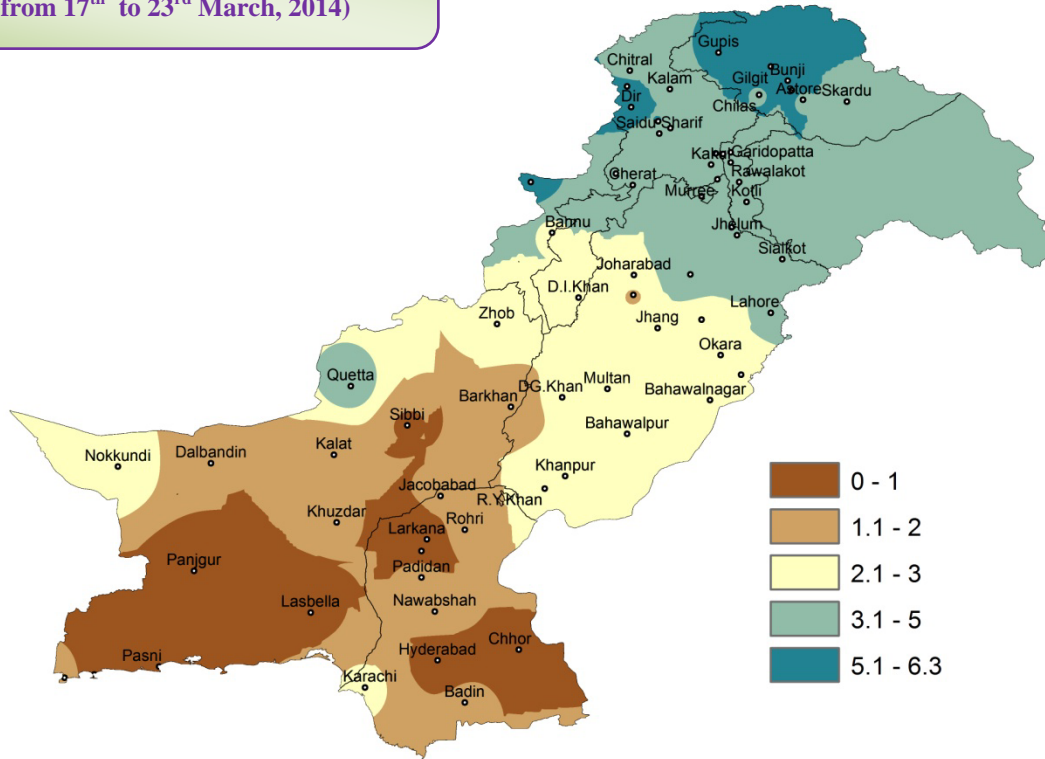
Mean Wind Speed (Knots) at 0800 PST during the Previous week (from 17<sup>th</sup> to 23<sup>rd</sup> March, 2014)



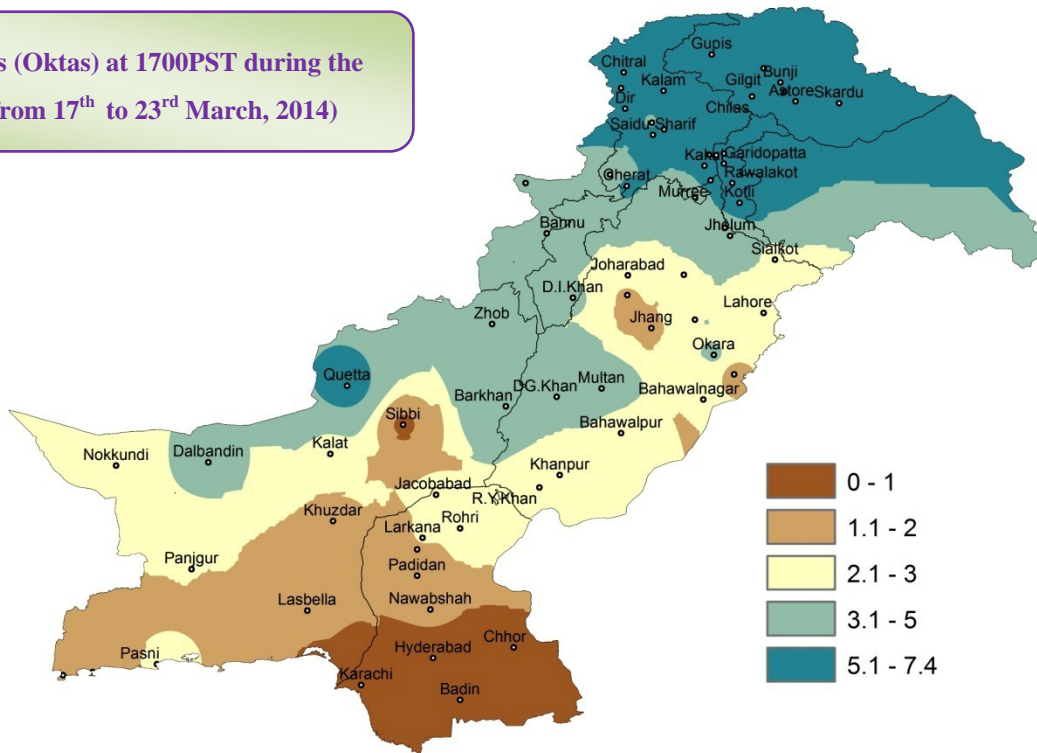
Mean Wind Speed (Knots) at 1700 PST during the Previous week (from 17<sup>th</sup> to 23<sup>rd</sup> March, 2014)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 17<sup>th</sup> to 23<sup>rd</sup> March, 2014)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (from 17<sup>th</sup> to 23<sup>rd</sup> March, 2014)





## **Weekly Weather Advisory for Farmers** **(From 24<sup>th</sup> to 30<sup>th</sup> March,, 2014)**

A westerly wave is affecting upper parts of the country and expected to persist in northern areas of the country during Tuesday to Thursday. A fresh shallow westerly wave is expected to approach south western parts of the country on Thursday and again at weekend.

### **Punjab including Islamabad**

Widespread rain-thunderstorm expected in Islamabad, Upper Punjab (Rawalpindi, Gujranwala, Sargodha, Faisalabad and Lahore divisions) today. Mainly dry weather is expected in most parts of the province during rest of the week, however, partly cloudy weather conditions with isolated rain-thunderstorm is expected in south Punjab (Multan & D.G.Khan divisions) on Thursday.

### **Khyber Pakhtunkhwa**

Scattered rain-thunderstorm (with light snow over hills) expected in upper KP (Malakand, Hazara, Peshawar, Kohat divisions) today. Mainly dry weather is expected in most parts of the province during rest of the week, however, isolated rain-thunderstorm expected in Bannu and D.I Khan divisions during weekend.

### **Balochistan**

Mainly dry weather is expected in most parts of the province during the week. However, isolated rain-thunderstorm is expected in Kalat & Makran divisions on Thursday and in north Balochistan (Quetta, Kalat and Zhob divisions) during the weekend.

### **Sindh**

Mainly dry weather is expected in most parts of the province during the week, however, isolated rain-thunderstorm expected in upper Sindh (Sukkur and Larkana divisions) on Thursday. Day temperatures are expected 3-4 degrees above normal in the province

### **Kashmir**

Widespread rain-thunderstorm (with light snow over hills) expected in Kashmir today, while at isolated places during Tuesday to Thursday. Partly cloudy weather conditions are expected during rest days of the week.

### **Gilgit-Baltistan**

Widespread rain-thunderstorm expected in Gilgit-Baltistan during today, while at isolated places during Tuesday to Thursday. Partly cloudy weather conditions are 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 17<sup>th</sup> to 23<sup>rd</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	-0.6	-2.6	**	58	25.2	4.7	5.7	1.7	4.0
Badin	18.1	16.0	147.5	47	0.0	1.2	0.3	3.3	4.9
Bahawalnagar	16.0	14.0	125.8	58	12.0	3.0	2.0	1.4	2.9
Bahawalpur	15.2	12.3	124.4	59	1.2	2.1	2.1	0.3	2.6
Balakot	7.5	4.4	61.2	75	53.0	3.9	6.7	0.0	0.6
Bannu	12.0	7.0	94.8	65	26.1	2.7	5.0	0.9	2.9
Barkhan	11.4	10.0	94.3	46	29.0	1.3	4.9	0.0	2.3
Bunji	9.3	7.8	61.4	52	1.0	6.3	7.4	1.1	1.7
Cherat	9.0	7.0	52.3	69	46.0	3.4	5.1	4.9	3.7
Chhor	16.3	13.0	147.0	49	0.0	0.9	1.0	2.6	4.9
Chilas	8.8	7.0	66.8	47	3.0	4.9	6.0	0.9	2.6
Chitral	2.3	-2.0	29.4	63	61.0	4.6	6.0	3.1	4.0
DG.Khan	15.4	14.5	125.8	64	8.1	2.3	3.0	2.6	2.0
D.I.Khan	12.9	12.0	106.4	64	17.2	2.7	3.1	0.9	1.7
Dalbandin	10.7	8.0	105.5	47	16.0	1.2	3.3	2.0	5.1
Dir	4.2	2.0	36.9	75	131.0	5.7	6.4	0.0	1.4
Drosh	1.3	-3.5	22.5	56	69.0	5.3	5.7	0.6	6.1
Faisalabad	14.5	12.5	114.6	55	12.4	2.4	4.0	0.3	1.6
Garidopatta	7.1	5.0	62.4	64	49.0	2.9	4.9	0.6	0.9
Gawader	15.9	14.0	126.0	65	0.0	0.5	1.1	0.0	7.9
Gilgit	8.6	7.5	61.4	46	1.3	5.9	6.6	0.9	6.0

Gupis	1.3	0.5	**	58	10.0	5.3	6.2	3.1	2.7
Hyderabad	18.5	15.0	**	42	0.0	0.5	0.0	4.0	8.3
Islamabad	11.1	9.0	89.8	68	22.1	4.1	3.9	1.1	1.4
Jacobabad	16.3	13.5	137.9	57	6.1	1.3	2.1	1.1	2.9
Jhang	13.3	10.5	114.2	65	17.0	2.4	1.9	0.6	2.0
Jhelum	14.3	11.7	112.7	59	11.1	3.6	3.7	2.0	2.6
Jiwani	18.3	17.0	129.5	68	0.0	1.4	1.0	2.9	8.0
Joharabad	13.1	11.5	109.5	71	13.1	3.0	3.0	0.3	2.3
Kakul	6.9	3.5	50.1	86	76.0	3.9	5.1	0.0	1.7
Kalam	-0.7	-2.5	0.0	81	55.0	4.3	6.6	0.0	0.6
Kalat	1.9	0.0	42.0	49	4.0	1.1	2.7	0.0	0.9
Karachi	19.5	17.5	144.8	56	0.0	2.3	0.6	3.1	9.0
Khanpur	15.1	12.1	129.4	58	7.0	2.7	2.3	0.3	3.4
Khuzdar	12.4	11.5	106.5	36	7.0	1.1	1.7	0.9	6.6
Kotli	12.4	9.3	92.9	57	21.0	4.6	6.1	2.4	3.6
Lahore	14.3	12.6	111.8	59	14.0	3.3	2.3	2.0	4.6
Larkana	18.1	16.5	**	51	6.0	0.2	2.3	2.3	4.0
Lasbella	15.7	13.0	140.8	48	5.0	0.7	1.1	0.0	6.0
Lower Dir	9.8	7.0	70.5	70	74.0	5.3	4.7	0.3	1.1
Malam Jabba	1.1	-1.2	**	78	158.0	3.7	6.0	0.0	0.0
M.B Din	15.1	13.5	115.0	64	5.0	4.3	2.7	1.4	1.7
Mangla	12.9	10.6	104.5	63	21.1	5.1	4.6	2.6	5.9
Mir Khani	4.2	3.0	**	56	36.0	5.3	6.4	1.0	2.2
Moinjodaro	13.5	10.0	127.3	51	27.0	1.0	1.3	1.0	4.3
Multan	16.0	14.5	125.1	62	8.2	2.7	4.1	2.9	9.7
Murree	3.0	0.2	20.3	62	97.1	4.7	5.7	3.3	3.1

Muzaffarabad	7.6	1.4	64.4	71	55.1	5.1	6.0	0.7	1.4
Nokkundi	14.9	13.6	***	21	3.1	2.9	2.7	2.9	5.1
Noorpurthal	14.4	12.0	126.5	62	2.4	1.9	1.7	0.3	1.1
Okara	15.7	13.2	122.8	63	20.1	2.6	3.1	0.9	2.6
Padidan	16.9	14.5	139.5	58	0.1	1.3	1.3	1.1	4.9
Panjgur	12.4	9.5	104.8	37	5.0	0.0	2.0	5.3	16.6
Parachinar	1.7	1.0	**	74	97.0	6.1	4.7	3.9	4.0
Pasni	17.2	15.5	132.0	66	0.0	0.0	2.1	1.7	8.3
Pattan	6.9	2.5	60.3	67	80.0	3.1	6.1	2.6	1.7
Peshawar	12.2	10.7	93.7	72	47.0	4.1	4.3	0.6	2.6
Quetta	6.1	4.0	50.3	33	39.4	2.9	4.3	3.3	3.8
R.Y.Khan	15.0	12.1	132.2	56	2.1	2.3	2.1	2.3	4.0
Rawalakot	4.6	0.0	**	79	61.0	4.9	6.3	0.6	2.3
Rohri	18.0	14.4	143.0	45	9.0	1.6	2.3	2.0	3.4
Rawalpindi	17.7	10.2	87.9	65	17.7	3.7	4.0	0.3	0.3
Sahiwal	14.0	11.0	115.5	63	43.0	2.7	1.7	1.1	2.6
Saidu Sharif	8.6	7.0	59.1	72	75.6	3.4	5.7	0.0	0.0
Sialkot	13.5	12.2	104.3	69	17.0	4.4	2.7	0.9	1.4
Sibbi	19.4	18.5	**	33	0.1	0.9	0.9	0.0	0.0
Skardu	4.3	1.2	31.9	43	0.4	4.7	5.4	0.0	2.0
Tandojam	15.6	12.0	138.8	54	0.0	0.0	0.3	1.1	1.2
U.Muhammad	14.8	13.0	121.8	50	0.0	0.0	1.1	0.0	0.1
Zhob	9.4	8.0	80.0	44	11.0	2.6	4.1	4.1	6.7

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