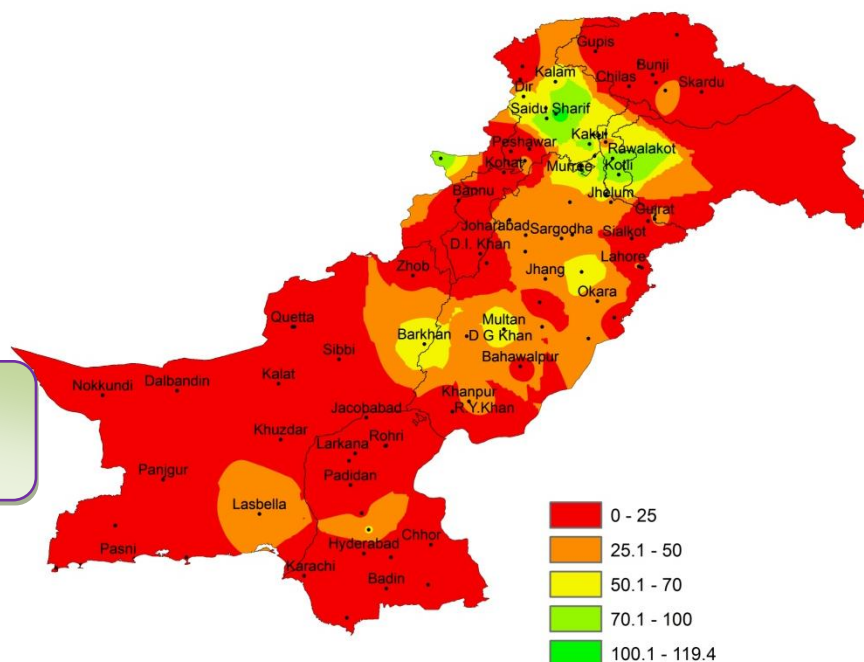


**NATIONAL AGROMET  
CENTRE PAKISTAN  
METEOROLOGICAL  
DEPARTMENT SECTOR H-8/2,  
ISLAMABAD.**

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

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

**Rainfall Distribution (mm) during the  
Previous Week (From 12<sup>th</sup> to 18<sup>th</sup> May, 2014)**



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**Highlights of Past Weather (From 12<sup>th</sup> to 18<sup>th</sup> May, 2014)**

- Light to moderate rainfall was reported in Punjab, Khyber Pakhtunkhwa, and Gilgit-Baltistan at many places during the week.
- Light rainfall was reported in Sindh and Balochistan at few places during the week.

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

## **Past Weather of Provinces (From 12<sup>th</sup> to 18<sup>th</sup> May, 2014)**

### **Punjab**

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 36.2°C & 22.2°C respectively. For the present season average 168.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 49% and wind speed in the morning/evening recorded 2.1/2.5Knots. During the previous week highest amount of rainfall reported at Murree 56mm and highest maximum temperature was recorded 42.7°C at Rahim Yar Khan.

### **Sindh**

Light rainfall reported at few places in Sindh during the week. Weekly maximum and minimum temperatures recorded 40.7°C & 224.7°C respectively. For the present season average 196.7 growing degree days accumulated by the end of last week. Average relative humidity recorded 44% and wind speed in the morning/evening recorded 3.0/6.0Knots. During the previous week highest amount of rainfall reported at Dadu 8.0mm and highest maximum temperature was recorded 45.5°C at Sukkur.

### **Khyber Pakhtunkhwa**

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 28.9°C & 15.3°C respectively. For the present season average 116.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 62% and wind speed in the morning/evening recorded 1.2/3.0Knots. The highest amount of rainfall was reported at Malam Jabba 85.0mm and highest maximum temperature recorded 39.5°C at D.I.Khan.

### **Balochistan**

Light to moderate rainfall reported at few places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 33.8°C & 19.6°C respectively. For the present season average 159.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 43% and wind speed in the morning/evening recorded 1.2/6.1Knots. During the previous week highest amount of rainfall reported at Lasbella 12.1mm and highest maximum temperature recorded 44.0°C at Turbat.

### **Gilgit-Baltistan and Azad Jammu & Kashmir**

Light to moderate rainfall reported at few places in Gilgit-Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 28.7°C & 14.7°C respectively. For the present season average 116.7 growing degree days accumulated by the end of last week. Average relative humidity recorded 48% and wind speed in the morning/evening recorded 1.3/4.1Knots. During the previous week highest amount of rainfall reported at Rawalakot 53.5mm and highest maximum temperature recorded 35.4°C at Muzaffarabad.

**Past Weather for Major Agricultural Plains  
(From 12<sup>th</sup> to 18<sup>th</sup> May, 2014)****Rawalpindi (Potohar region)**

Rainfall reported as 65.2mm during the week; however cloudiness in the morning/evening recorded 4.0/4.8 Oktas while, average relative humidity observed 63%. Meanday time temperature recorded 27.7°C & for the present season 118.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.0/4.8Knots.

**Faisalabad (Central Punjab)**

Rainfall reported as 63.5mm during the week; however cloudiness in the morning/evening recorded 2.7/3.4Oktas while average relative humidity observed as 60%. Meanday time temperature recorded 23.3°C & for the present season 148.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/1.0Knots.

**Tandojam (Lower Singh)**

Dry weather reported during the week; however cloudiness in the morning/evening recorded 2.9/1.0Oktas while average relative humidity observed as 44%. Meanday time temperature recorded 37.9°C & for the present season 184.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.6/3.0Knots.

**Quetta (Northern Balochistan)**

Rainfall reported as 39.4mm during the week; however cloudiness in the morning/evening recorded 2.7/4.0 Oktas while, average relative humidity observed as 47%. Meanday time temperature recorded 25.2°C for the present season 102.2 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 12.0mm during the week; however cloudiness in the morning/evening recorded 2.8/2.0Oktas while average relative humidity observed as 65%. Meanday time temperature recorded 23.3°C & for the present season 209.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.1Knots.

**Past Weather for Sub-Regional Agricultural  
Plains (From 12<sup>th</sup> to 18<sup>th</sup> May, 2014)****Rohri**

Dry weather reported during the week; however cloudiness in the morning/evening recorded 1.6/2.2 Oktas while, average relative humidity observed as 47%. Mean day time temperature recorded 37.7°C & for the present season 170.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.1/2.8Knots.

**Multan**

Rainfall reported as 65.5mm during the week; however cloudiness in the morning/evening recorded 1.4/1.4 Oktas while, average relative humidity observed as 41%. Mean day time temperature recorded 33.2°C & for the present season 158.3growing degree days accumulated by the end of last week. .Wind speed recorded in the morning/evening as 2.9/4.8Knots.

**Lahore**

Rainfall reported as 19.1mm during the week; however cloudiness in the morning/evening recorded 2.3/0.4 Oktas while, average relative humidity observed as 49%. Mean day time temperature recorded 33.2°C&for the present season 121.2growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.3/0.4Knots.

**Zhob**

Rainfall reported as 21.0mm during the week; however cloudiness in the morning/evening recorded 5.4/7.6 Oktas while, average relative humidity observed as 57%. Mean day time temperature recorded 25.6°C & for the present season 97.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/8.0 Knots.

**D.I. Khan**

Rainfall reported as 8.0mm during the week; however cloudiness in the morning/evening recorded 5.9/4.2 Oktas while, average relative humidity observed as 55%. Mean day time temperature recorded 33.4°C & for the present season 149.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/0.4 Knots.

**Peshawar**

Rainfall reported as 5.2mm during the week; however cloudiness in the morning/evening recorded 3.9/4.0 Oktas while, average relative humidity observed as 85.9%. Mean day time temperature recorded 30.5°C & for the present season 85.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.5 Knots.

**Murree**

Rainfall reported as 69.1mm during the week; however cloudiness in the morning/evening recorded 4.0/4.8 Oktas while, average relative humidity observed as 64%. Mean day time temperature recorded 16.9°C & for the present season 184.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.0/4.8 Knots.

**Kalam**

Rainfall reported as 67.0mm during the week; however cloudiness in the morning/evening recorded 5.3/6.0 Oktas while, average relative humidity observed as 54%. Mean day time temperature recorded 18.7°C accumulated by the

end of last week. Wind speed recorded in the morning/evening as 0.0/1.6 Knots.

**Gilgit**

Rainfall reported as 6.6mm during the week; however cloudiness in the morning/evening recorded 6.0/6.2 Oktas while, average relative humidity observed as 47%. Mean day time temperature recorded 25.9°C & for the present season 97.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.7/8.8 Knots.

**Skardu**

Rainfall reported as 4.1mm during the week; however cloudiness in the morning/evening recorded 0.0/9.2 Oktas while, average relative humidity observed as 40%. Mean day time temperature recorded 21.6°C & for the present season 147.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.1/4.2 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 *Wax Maturity* stage.

**Central Punjab (Faisalabad)**

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

**Cotton:** Good condition at *Third Leaf* completed.

**Lower Sindh (Tandojam)**

There is presently one crop in the fields of RAMC Tandojam.

**Cotton (BT 3701):** Good condition at *Emergence* stage.

**Northern Balochistan (Quetta)**

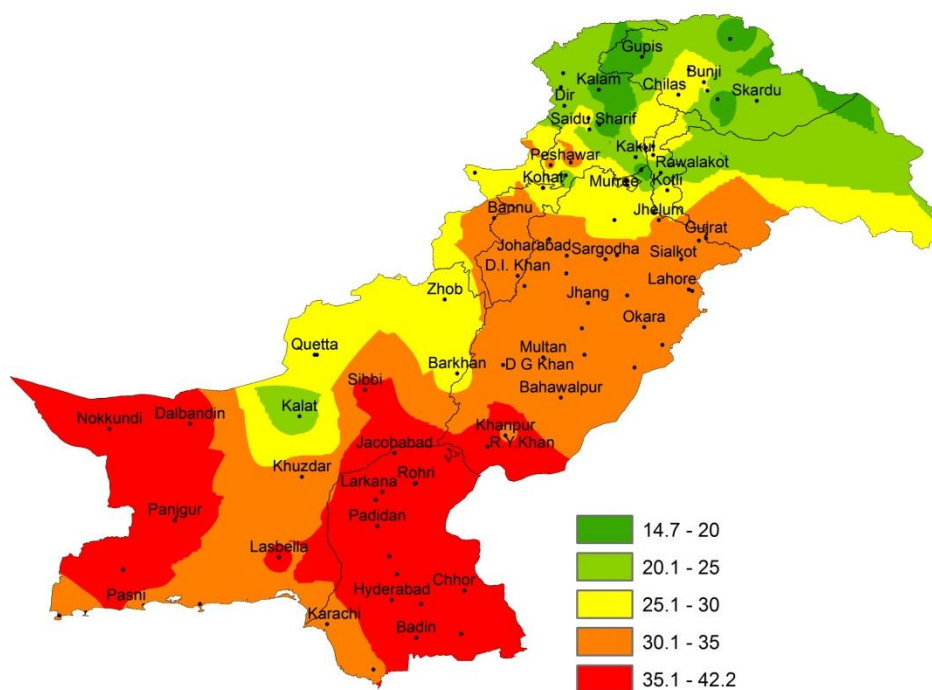
There is presently one crop (irrigated condition) grown in the fields of RAMC Quetta.

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

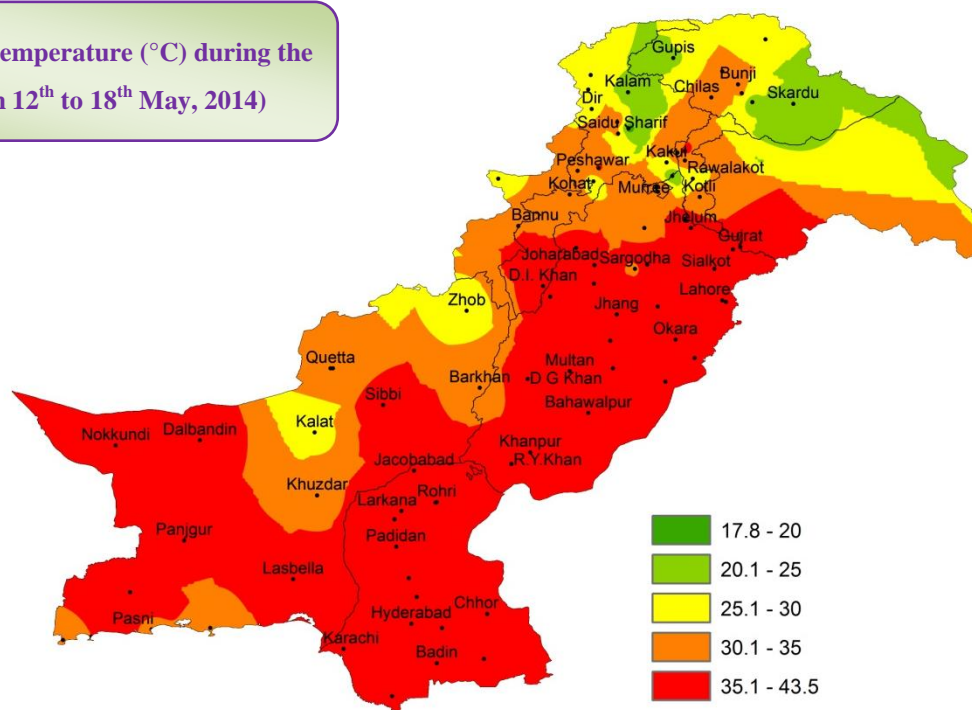
**Eastern Balochistan (Usta Muhammad)**

There is presently no crop in the fields of RAMC Usta Muhammad.

Mean Maximum Temperature (°C) during the  
Previous week (From 12<sup>th</sup> to 18<sup>th</sup> May, 2014)

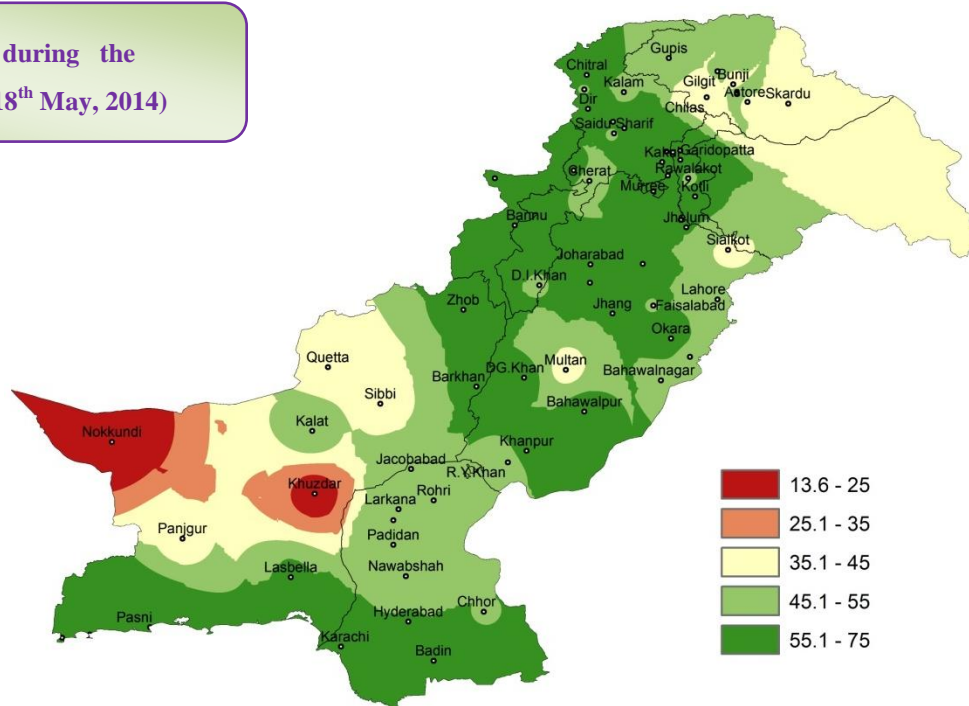


Highest Maximum Temperature (°C) during the  
Previous week (From 12<sup>th</sup> to 18<sup>th</sup> May, 2014)

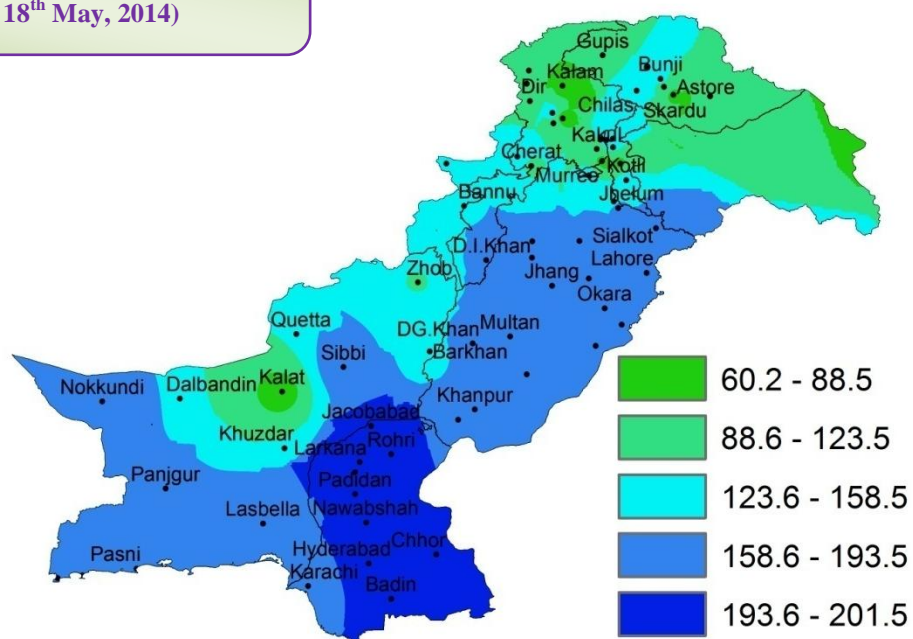




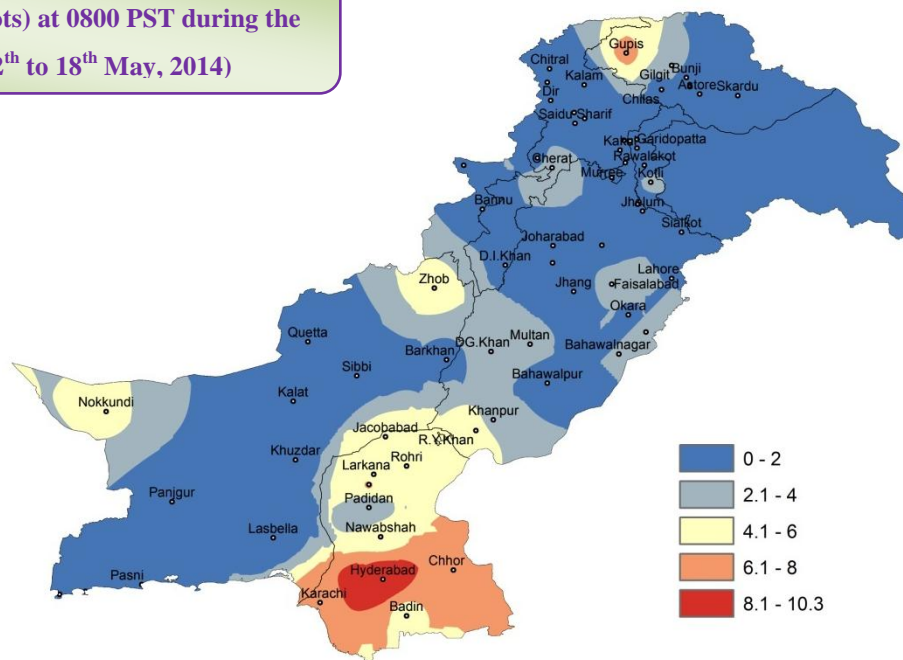
Mean Relative Humidity (%) during the  
Previous week (From 12<sup>th</sup> to 18<sup>th</sup> May, 2014)



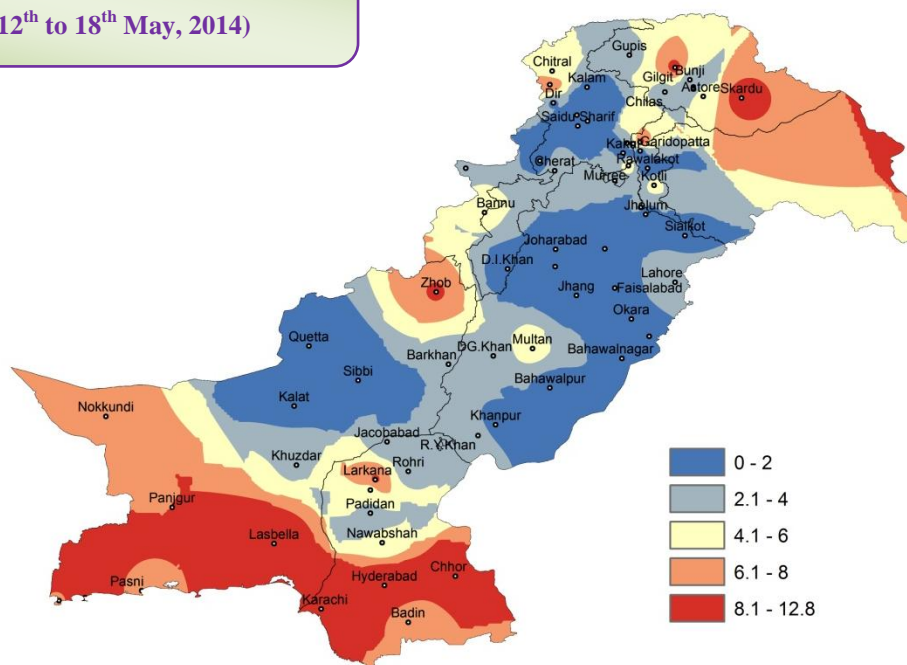
Total Growing Degree Days accumulated during the  
Previous week (From 12<sup>th</sup> to 18<sup>th</sup> May, 2014)



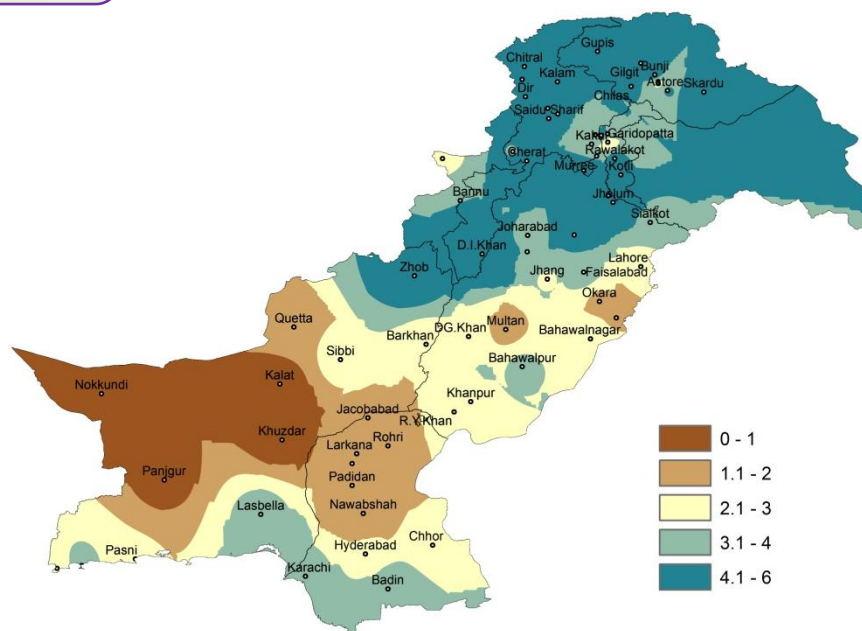
**Mean Wind Speed (Knots) at 0800 PST during the Previous week (From 12<sup>th</sup> to 18<sup>th</sup> May, 2014)**



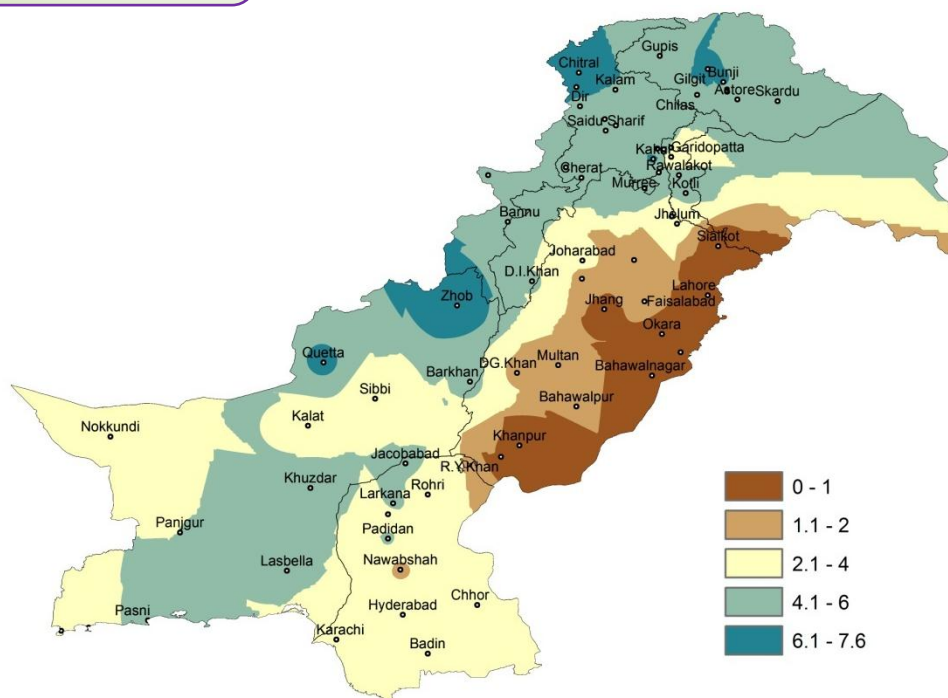
**Mean Wind Speed (Knots) at 1700 PST during the Previous week (From 12<sup>th</sup> to 18<sup>th</sup> May, 2014)**



Mean Cloudiness (Oktas) at 0800PST during the  
Previous week (From 12<sup>th</sup> to 18<sup>th</sup> May, 2014)



Mean Cloudiness (Oktas) at 1700PST during the  
Previous week (From 12<sup>th</sup> to 18<sup>th</sup> May, 2014)





## **Weekly Weather Advisory for Farmers** **(From 19<sup>th</sup> to 25<sup>th</sup> May, 2014)**

A shallow trough of westerly wave is affecting western & upper parts of the country and likely to persist during next 24 to 36 hours. Continental air would prevail over most parts of the country on Wednesday/Thursday. A fresh shallow western disturbance is expected to approach western parts of the country on Friday (evening/night) and likely to persist in upper parts of the country during the weekend.

### **Punjab including Islamabad**

Mainly hot and dry weather is expected in most parts of the provinces during the week; however rain thunderstorm associated with gusty winds is expected at isolated places in Rawalpindi, Gujranwala, Lahore, Sargodha, Faisalabad, D.G. Khan and Multan divisions today (evening/night), while at one or two places in Rawalpindi and Gujranwala divisions on Tuesday.

Scattered dust-storm/gusty winds with isolated rain thundershowers are expected upper Punjab (Rawalpindi, Gujranwala, Faisalabad, Sargodha divisions) during the weekend.

### **Khyber Pakhtunkhwa**

Mainly dry weather is expected in most parts of the provinces during the week, however rain thunderstorm associated with gusty winds is expected at scattered places in Malakand, Hazara divisions, while at isolated places in Peshawar, Kohat, Bannu and D.I. Khan divisions today, and in upper KP (Malakand Hazara, Peshawar, Kohat divisions) on Tuesday evening/night.

Scattered dust-storm/gusty winds with isolated rain thundershowers are expected in upper KP (Malakand Hazara, Peshawar, Kohat divisions) during the weekend.

### **Balochistan**

Mainly hot and dry weather is expected in most parts of the province during the week. However, isolated rain-thunderstorm associated with gusty winds is expected in Quetta, Zhob and Sibbi divisions during next 24 hours.

### **Sindh**

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

### **Kashmir**

Rain-thundershower is expected at scattered places in Kashmir on Monday/Tuesday and again during the weekend. Dry weather is expected during rest of the week.

### **Gilgit-Baltistan**

Mostly cloudy weather with rain thunderstorm is expected at isolated places in Gilgit-Baltistan on Monday/Tuesday and again during the Thursday to Sunday.

### **Advices for Crops**

- Farmers are advised to harvest full matured wheat crop in time keeping the expected rainfall with gusty winds in mind so that wheat crop may be saved from any expected loss during harvesting/threshing.
- Farmers of central and lower parts of the country are advised to take precautionary measures to protect wheat after threshing. It is estimated that 10-15% loss occurs to wheat after threshing due to improper storage etc.
- Cotton crop may be cultivated in time in areas where land is free from wheat crop so that the crop may face monsoon rains at suitable stages during monsoon heavy rains.

**National Weather Data of Selected Cities****(Weekly Data From 12<sup>th</sup> to 18<sup>th</sup> May, 2014)**

Stations	Maximum/Day time Temperature (°C)		Growing Deg. Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Oktas) 0800PST	Cloudiness (Oktas) 1700PST	Wind Speed (Knots) 0800PST	Wind Speed (Knots) 1700PST
	Mean	Highest							
Astore	16.5	22.0	43.7	44	40.0	4.1	5.6	2.0	5.6
Badin	37.2	38.0	186.8	58	0.1	3.7	4.0	5.1	6.0
Bahawalnagar	34.2	38.0	160.4	53	28.0	2.9	0.6	2.0	1.6
Bahawalpur	34.3	37.0	160.7	61	21.4	3.3	1.0	0.6	0.8
Balakot	25.2	31.0	93.7	75	71.1	3.1	5.6	0.7	2.0
Bannu	31.7	35.0	137.7	57	6.0	4.0	5.2	0.9	4.8
Barkhan	28.9	31.5	118.8	57	63.0	2.1	4.4	1.1	2.4
Bunji	25.2	31.7	100.9	42	6.0	5.0	6.6	0.6	2.4
Cherat	21.5	26.5	85.0	52	32.0	5.4	4.6	4.0	2.8
Chhor	38.2	39.0	187.8	55	0.0	2.7	2.4	7.4	8.4
Chilas	26.9	32.2	116.8	35	5.2	4.3	5.6	1.4	3.2
Chitral	23.9	28.0	87.2	61	9.0	4.9	6.6	0.3	4.4
D.I.Khan	33.4	36.0	149.2	55	8.2	5.9	4.2	1.7	0.4
Dalbandin	36.1	39.0	165.3	**	0.0	**	2.8	**	7.8
DG.Khan	34.1	38.5	158.6	59	42.1	2.9	1.8	3.4	3.6
Dir	22.7	29.0	77.8	67	63.0	5.3	5.8	0.0	1.6
Drosh	23.5	28.0	74.9	53	16.4	5.1	6.2	0.0	8.4
Faisalabad	23.3	23.8	148.4	60	63.5	2.7	3.4	1.4	1.0
Garidopatta	26.2	33.5	103.8	68	40.0	1.7	2.4	0.0	0.0
Gawader	34.1	35.0	174.3	72	0.0	3.3	3.2	0.0	12.2
Gilgit	25.9	31.0	97.3	47	6.6	6.0	6.2	3.7	8.8
Gupis	19.1	24.5	60.0	51	19.0	4.3	5.0	6.6	3.2

Hyderabad	37.3	38.5	184.0	56	0.0	2.3	3.2	10.3	12.4
Islamabad	27.4	33.0	118.1	65	48.0	4.9	5.4	0.6	2.0
Jacobabad	37.0	40.0	176.5	54	1.1	1.7	4.4	4.9	2.0
Jhang	33.0	35.6	145.9	56	33.2	2.9	0.6	0.3	0.4
Jhelum	30.5	36.3	139.0	55	32.3	4.7	2.4	1.1	0.8
Jiwani	32.4	33.0	167.0	73	0.0	2.7	3.6	2.0	7.6
Joharabad	31.2	35.0	143.9	57	43.1	3.7	2.2	0.6	1.6
Kakul	22.4	28.0	81.3	55	72.5	3.1	6.2	0.3	1.2
Kalam	18.7	23.0	***	54	67.0	5.3	6.0	0.0	1.6
Kalat	23.4	28.5	75.5	54	1.0	0.0	2.8	0.0	1.6
Karachi	33.6	35.0	176.1	64	1.0	3.9	3.2	7.7	12.8
Khanpur	34.8	37.5	163.3	57	34.0	3.0	0.6	2.6	0.8
Khuzdar	31.4	32.5	142.5	19	17.0	0.3	5.4	0.6	3.6
Kotli	27.4	33.1	133.0	61	77.0	4.1	4.8	2.9	4.8
Lahore	33.2	36.0	121.2	49	19.1	2.3	0.4	2.0	3.6
Larkana	37.6	40.5	150.7	52	0.1	1.1	5.0	4.9	8.4
Lasbella	35.1	38.0	148.6	57	50.0	3.7	4.2	0.3	11.6
Lower Dir	28.2	34.0	176.5	56	48.0	5.7	4.2	0.6	1.6
M.B Din	31.1	37.5	113.8	59	25.1	4.4	1.4	0.9	1.2
Malam Jabba	14.4	17.5	166.3	64	121.0	4.0	4.0	0.0	0.0
Mangla	29.5	35.2	36.3	**	62.0	4.9	2.2	0.0	2.4
Mir Khani	25.5	30.5	142.4	49	10.0	2.4	4.0	0.3	2.8
Moinjodaro	38.0	40.0	105.6	45	0.1	2.0	2.0	6.3	5.2
Multan	33.2	35.5	158.3	41	65.5	1.4	1.4	2.9	4.8
Murree	16.9	21.5	184.2	64	69.1	4.0	4.8	2.0	5.2
Muzaffarabad	25.9	34.7	***	69	58.0	4.7	5.6	2.3	2.8

Nawabshah	39.4	42.5	99.8	47	22.0	1.0	1.8	5.1	4.4
Nokkundi	36.9	39.5	153.2	14	0.1	0.7	2.6	4.3	6.4
Noorpurthal	33.8	38.0	55.0	59	42.0	4.0	1.8	0.0	0.0
Okara	33.3	36.5	101.5	59	43.0	1.7	0.0	1.7	1.2
Padidan	39.0	41.0	172.7	49	4.1	1.7	4.2	2.0	2.8
Panjgur	35.5	37.0	153.0	40	1.0	0.4	4.0	0.6	8.0
Parachinar	25.8	26.7	149.8	56	82.2	2.6	5.6	2.0	3.8
Pasni	33.1	34.0	187.0	73	0.0	2.1	4.6	1.4	7.2
Pattan	26.2	35.5	**	52	61.2	3.9	3.8	0.0	10.0
Peshawar	30.5	34.7	85.9	57	5.2	3.9	4.0	1.1	1.5
Quetta	25.2	28.6	101.2	47	39.4	2.7	4.0	3.2	3.7
R.Y.Khan	36.6	39.8	128.5	53	3.1	2.0	1.0	6.0	3.6
Rawalakot	20.4	27.0	133.3	52	88.0	4.6	4.4	0.0	0.0
Rohri	37.7	40.0	170.9	47	0.0	1.6	2.2	5.1	2.8
Sahiwal	27.7	34.0	118.9	63	65.2	4.0	4.8	0.7	0.3
Saidu Sharif	32.6	35.5	66.3	52	16.0	1.9	0.0	2.3	1.2
Sialkot	25.4	30.5	***	53	78.0	4.4	4.8	0.0	1.6
Sibbi	33.1	35.8	189.2	43	10.1	3.7	0.0	0.9	1.6
Skardu	35.9	38.5	**	39	8.0	2.6	2.0	0.0	0.0
Tandojam	21.6	24.6	147.1	40	4.1	5.1	4.2	0.0	9.2
Rawalpindi	27.7	39.0	184.8	44	0.0	2.9	1.0	1.6	3.0
U. Muhammad	42.8	45.5	209.3	65	12.0	2.8	2.0	0.1	0.1
Zhob	25.6	27.5	97.8	57	21.0	5.4	7.6	5.0	8.2

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