

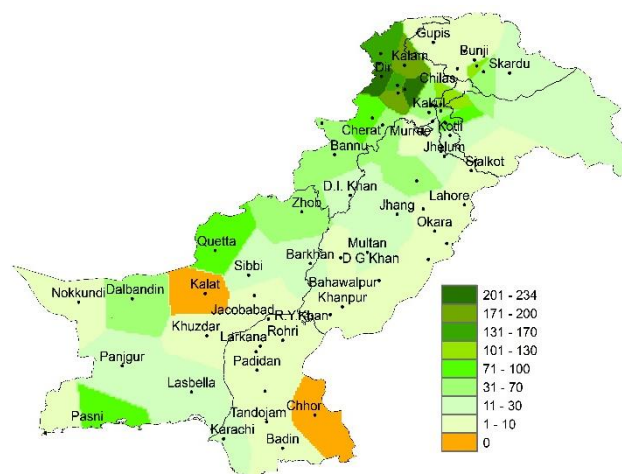
# Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the Previous  
Week (08<sup>th</sup> – 14<sup>th</sup> April 2024)**



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## Highlights of Past Weather (08<sup>th</sup> – 14<sup>th</sup> April 2024)

- Mostly moderate to heavy rain was reported from central Punjab, Potohar region, KPK, and Baluchistan with heavy showers in few stations of Upper KPK, Baluchistan and Kashmir was also observed in the previous week.
- Light to moderate rain was observed in Sindh, South Punjab and most of areas in Gilgit-Baltistan.
- Mix trend was observed in daily maximum temperatures in most parts of the country except Gilgit Baltistan where above normal maximum temperature were recorded.
- Above normal mean and minimum daily temperatures were observed in most parts of the country.

**Patron-in-Chief: Mahr Sahibzad Khan (Director General)**

**Editor-in-Chief: Asma Jawad Hashmi (Director)**

**Editor: Dr. Tariq Mahmood (Meteorologist)**

## **Past Weather of Provinces** **(08<sup>th</sup> – 14<sup>th</sup> April 2024)**

### **Punjab**

Mostly moderate to heavy rain was reported from central Punjab, Potohar region while light to moderate rain was observed in South Punjab during the last week. Weekly maximum and minimum temperatures recorded as 32.6°C & 18.6°C respectively. For the recent week on average 144 growing degree days were accumulated. Average relative humidity recorded as 51% and wind speed in the morning/evening recorded as 3.0/5.2 Knots. Highest rainfall was reported as 58.8 mm from Chakwal. However, lowest minimum temperature was recorded as 8.0°C at Murree.

### **Balochistan**

Mostly moderate to heavy (with heavy showers from a few stations) rain was reported in the province during the last week. Weekly maximum and minimum temperatures were recorded as 25.9°C & 13.9°C respectively. For the recent week on average 104.5 growing degree days were accumulated. Average relative humidity was recorded 47% and wind speed in the morning/evening was recorded as 1.0/5.1 Knots. The highest rainfall was reported as 72.0 mm from Sibbi. However, the lowest minimum temperature was recorded as 7.0°C at Quetta.

### **Khyber Pakhtunkhwa**

Mostly moderate to heavy (with heavy showers in upper KPK from a few stations) rain was reported from the province. Weekly maximum and minimum temperatures recorded as 23.9°C & 11.8°C respectively. For the recent week on average 90.0 growing degree days were accumulated. Average relative humidity recorded as 63% and wind speed in the morning/evening recorded as 0.9/1.5 Knots. Highest rainfall was reported as 234.0 mm from DIR. However, lowest minimum temperature recorded as -3.0 °C at Kalam.

### **Sindh**

Light to moderate rainfall was reported from Sindh. Weekly maximum and minimum temperatures recorded as 38.0°C & 23.0°C respectively. For the recent week, on average 177.8 growing degree days were accumulated. Average relative humidity recorded as 47% and wind speed in the morning/evening recorded as 2.7/5.3 Knots. Highest rainfall was reported as 15.1 mm from Karachi. However, lowest minimum temperature recorded as 19.5°C at Jacobabad.

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

Heavy showers were observed from a few stations in Kashmir while light to moderate rain was observed in most areas in Gilgit-Baltistan. Weekly maximum and minimum temperatures recorded as 23.1°C & 9.7°C respectively. For the recent week on average 79.2 growing degree days were accumulated. Average relative humidity recorded as 49%. and wind speed recorded in the morning/evening as 0.5/2.0. Highest rainfall was reported as 79.4 mm from Rawalakot. However, lowest minimum temperature recorded as 2.5°C at Astore.

**Past Weather for Major Agricultural Plains****(08<sup>th</sup> – 14<sup>th</sup> April 2024)****Rawalpindi (Potohar region)**

Rainfall reported as 4.2 mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 4.0/5.4 Oktas, average relative humidity observed as 54%. Mean minimum time temperature was recorded as 14.7°C and for the recent week 121.0 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.6/1.8 Knots. The lowest minimum temperature was recorded as 12.0°C.

**Faisalabad (Central Punjab)**

Rainfall reported as 4.6 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded 3.7/2.4 Oktas while, average relative humidity observed as 53%. Mean minimum time temperature recorded 19.7°C & for the recent week 150.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/1.4 Knots. The lowest minimum temperature was recorded as 18.0°C.

**Tandojam (Lower Sindh)**

Rainfall reported as 3.0 mm during the week; however, cloudiness in the morning/evening recorded 2.0/1.6 Oktas while, average relative humidity observed as 53%. Mean minimum time temperature recorded as 20.1°C & for the recent week 165.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.8/2.2 Knots. The lowest minimum temperature was recorded as 18.5°C.

**Usta Muhammad (Eastern Balochistan)**

Rainfall reported as 0.01 (trace) mm during the week; however, cloudiness in the morning/evening recorded as 4.1/5.0. Average relative humidity observed as 44%. Mean minimum time temperature recorded as 19.9°C & for the recent week 173.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/3.7 Knots. The lowest minimum temperature was recorded as 18.5°C.

**Quetta (Northern Balochistan)**

Rainfall reported as 96.8 mm from Quetta during the week; however, cloudiness in the morning/evening recorded as 4.7/6.4 Oktas while, average relative humidity observed as 43%. Mean minimum time temperature recorded as 11.4°C & for the recent week 87.5 growing degree days

accumulated. Wind speed recorded in the morning/evening as 2.8/3.8 Knots. The lowest minimum temperature was recorded as 9.0°C.

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**Past Weather for Sub-Regional Agricultural Plains (08<sup>th</sup> – 14<sup>th</sup> April 2024)****Multan**

Rainfall reported as 16.7 mm during the week; however, cloudiness in the morning/evening recorded as 4.1/4.4 Oktas. Average relative humidity observed as 47%. Mean minimum time temperature recorded as 21.4°C & for the recent week 157.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 4.9/5.4 Knots.

**Lahore**

Rainfall reported as 1.2 mm from Lahore during the week; cloudiness in the morning/evening recorded as 2.3/4.1 Oktas, average relative humidity observed as 44%. Mean minimum time temperature recorded as 19.3°C & for the recent week 149.1 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.9/4.9 Knots.

**Zhob**

Rainfall reported as 9.0 mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 3.3/4.9 Oktas. Average relative humidity observed as 44%. Mean minimum time temperature recorded as 23.9°C & for the recent week 171.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.1/5.9 Knots.

**Murree**

Rainfall reported as 27.0 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 4.0/4.9 Oktas while, average relative humidity observed as 62%. Mean minimum time temperature recorded as 9.4°C & for the recent week 64.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.1/5.4 Knots.

**D.I. Khan**

Rainfall reported as 18.0 mm from D.I. Khan during the week; cloudiness in the morning/evening recorded as 3.4/4.3. Average relative humidity observed as 54%. Mean minimum time temperature recorded as 20.5°C & for the recent week 153.3

growing degree days accumulated. Wind speed recorded in the morning/evening as 0.6/0.6 Knots.

### **Peshawar**

Rainfall reported as 81.0 mm from Peshawar during the week; however, cloudiness in the morning/evening recorded as 3.3/5.9 Oktas while, average relative humidity observed as 63%. Mean minimum time temperature was recorded as 16.4°C & for the recent week 125.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.9/1.7 Knots.

### **Kalam**

Rainfall reported as 179.7 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 3.7/4.4 Oktas while, average relative humidity observed as 35%. Mean minimum time temperature recorded as 0.4°C & for the recent week 20.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/2.0 Knots.

### **Gilgit**

Rainfall reported as 0.3 mm from Gilgit during the week, cloudiness in the morning/evening recorded as 2.8/5.3 Oktas while, average relative humidity observed as 39%. Mean minimum time temperature recorded as 9.4°C & for the recent week 86.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/3.4 Knots.

### **Skardu**

Rainfall reported as 13.8 mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 3.9/5.3 Oktas while, average relative humidity observed as 35%. Mean minimum time temperature recorded as 7.2°C & for the recent week 57.8 growing degree days accumulated. 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 no crop grown in the fields of RAMC Rawalpindi.

### **Central Punjab (Faisalabad)**

Wheat crop is sown in the field. Date of sowing 21-11-2023. Phonological Stage: Wax Maturity Completed. Condition: Very Good.

### **Lower Sindh (Tandojam)**

Land is being prepared for the sowing of the next crop.

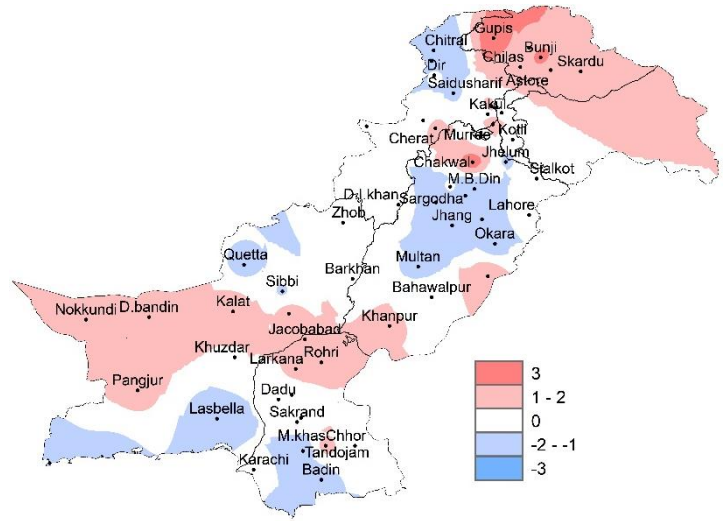
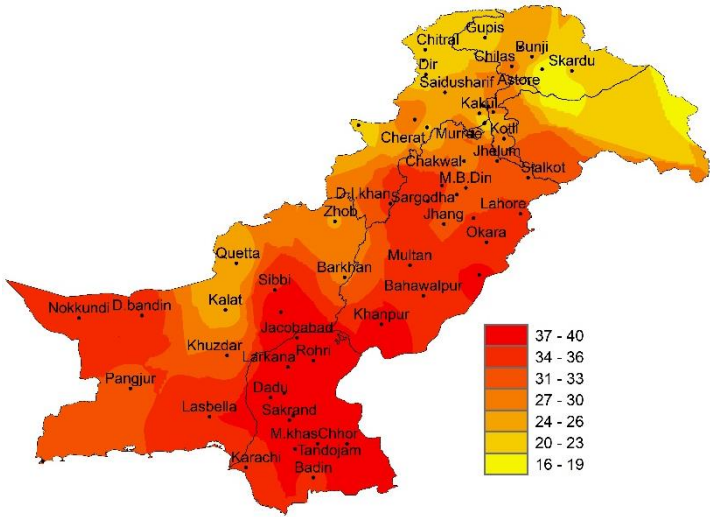
### **Northern Balochistan (Quetta)**

Wheat crop is sown in the field of RAMC Quetta. Date of sowing 22-11-2023. Phonological Stage: Heading. Condition: Very Good

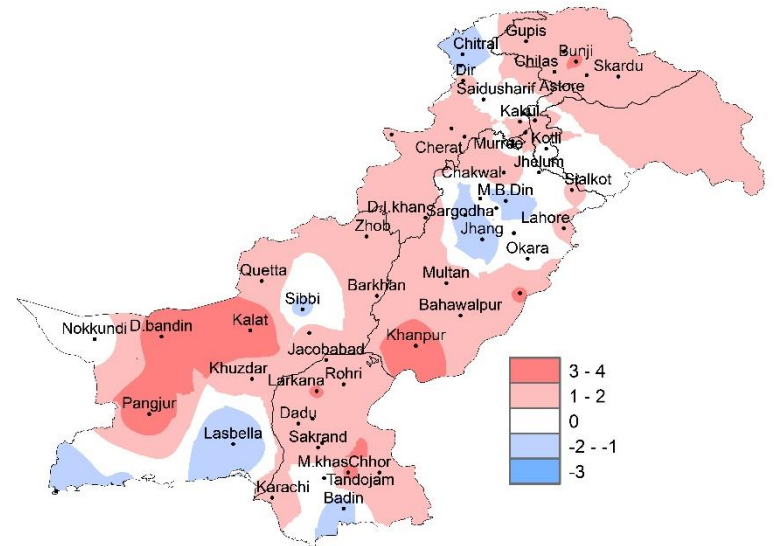
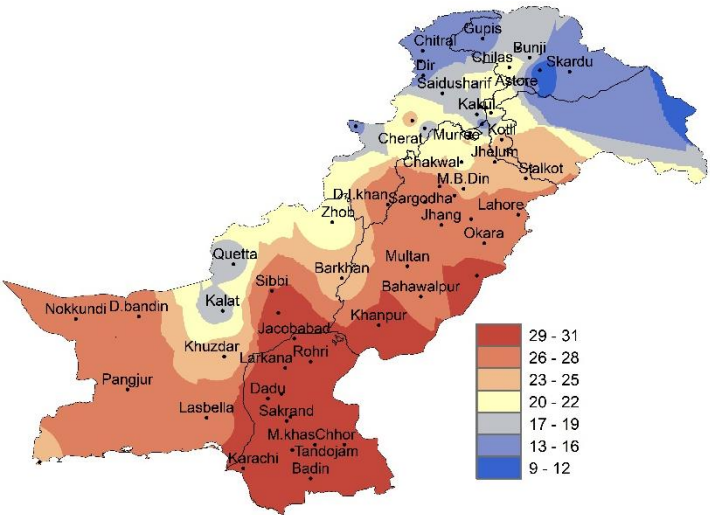
### **Eastern Balochistan (Usta Muhammad)**

Wheat crop is grown in the field. Phonological Stage: Wax Maturity. Condition: Good.

**Actual & Departure of Maximum temperature (°C) for the Previous week (08<sup>th</sup> – 14<sup>th</sup> April 2024)**

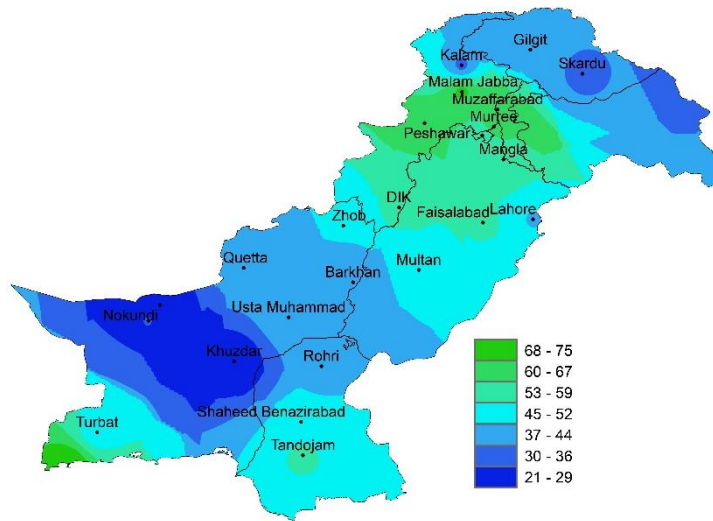


**Actual & Departure of Mean temperature (°C) for the Previous week (08<sup>th</sup> – 14<sup>th</sup> April 2024)**

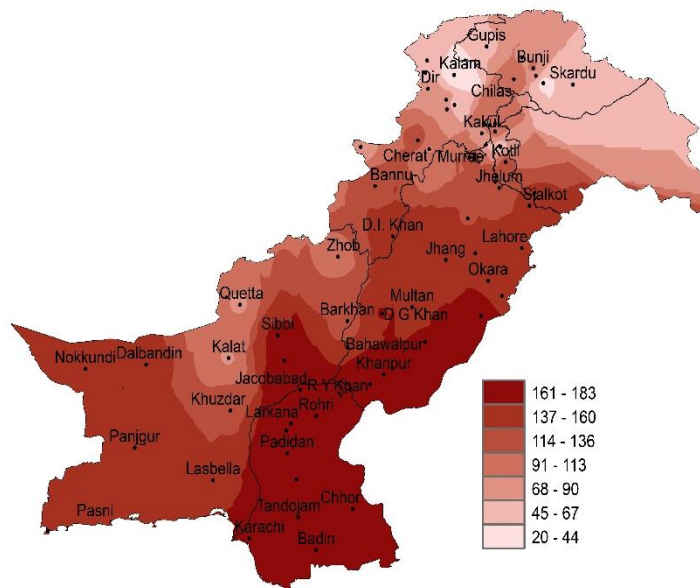




**Mean Relative Humidity (%) during the  
Previous week (08<sup>th</sup> – 14<sup>th</sup> April 2024)**

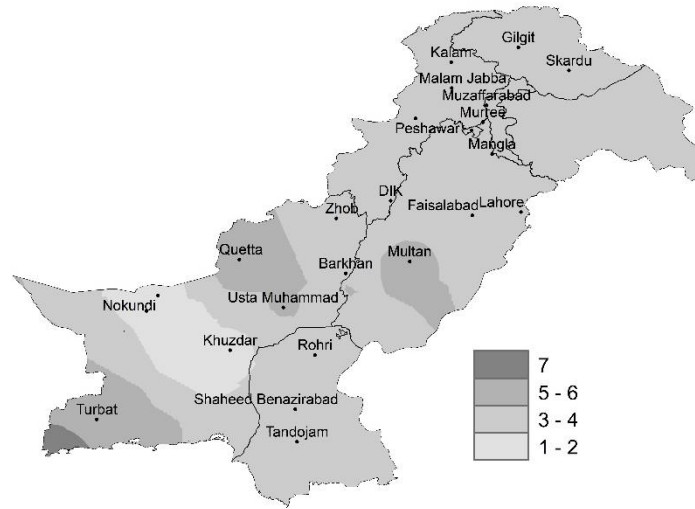


**Total Growing Degree Days accumulated during the  
Previous week (08<sup>th</sup> – 14<sup>th</sup> April 2024)**

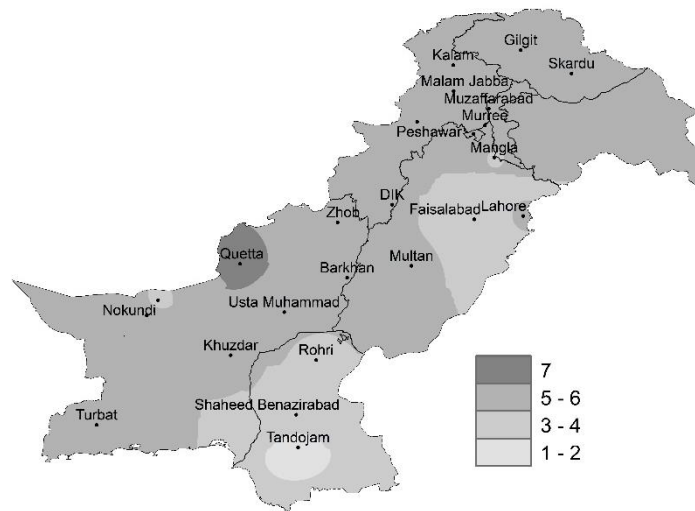




Mean Cloudiness (Octas) at 0800PST during the  
Previous week (08<sup>th</sup> – 14<sup>th</sup> April 2024)

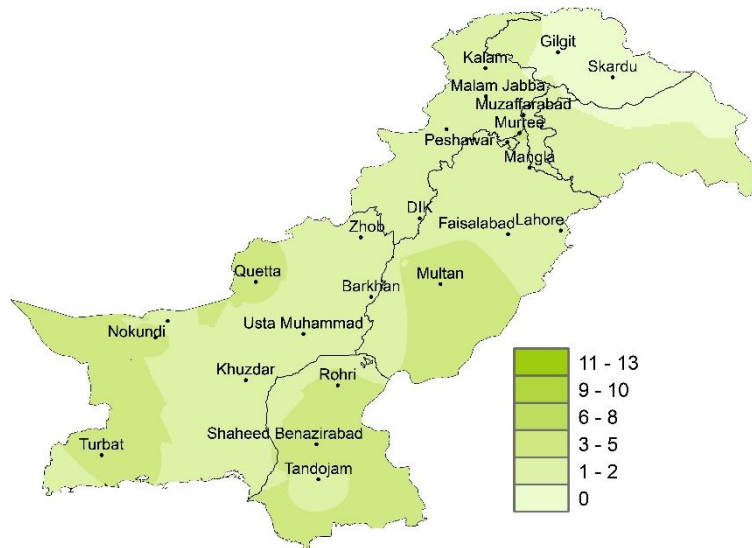


Mean Cloudiness (Octas) at 1700PST during the  
Previous week (08<sup>th</sup> – 14<sup>th</sup> April 2024)

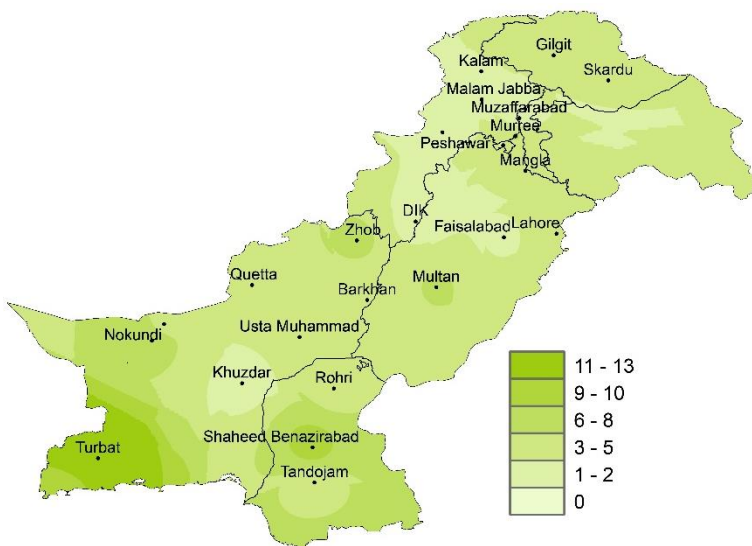




**Mean Wind Speed (Knots) at 0800PST during the  
Previous week (08<sup>th</sup> – 14<sup>th</sup> April 2024)**

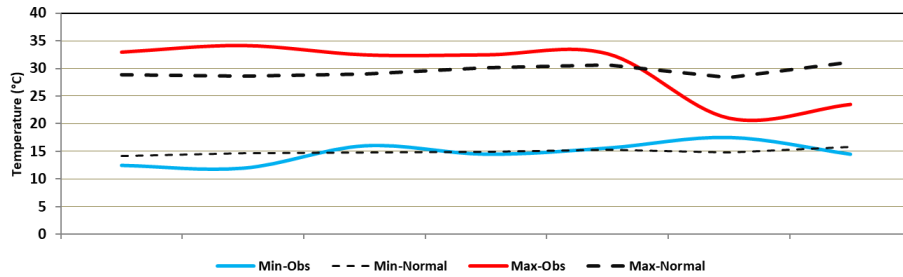


**Mean Wind Speed (Knots) at 1700PST during the  
Previous week (08<sup>th</sup> – 14<sup>th</sup> April 2024)**

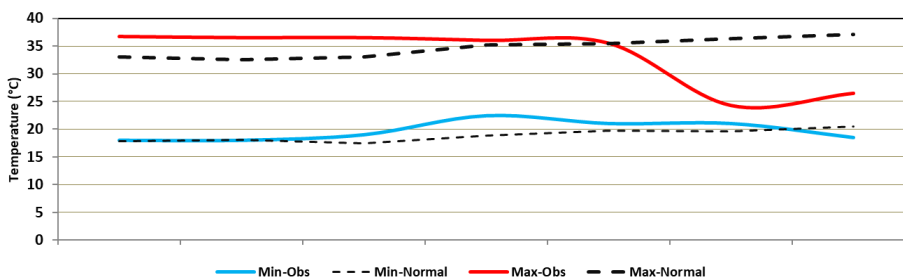


Comparison of temperatures for RAMCs (Minimum & Maximum with normal)  
during the previous week (08<sup>th</sup> – 14<sup>th</sup> April 2024)

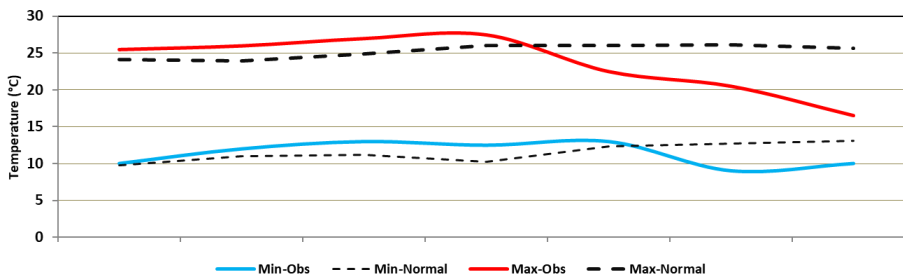
Rawalpindi (Min & Max Temperatures)



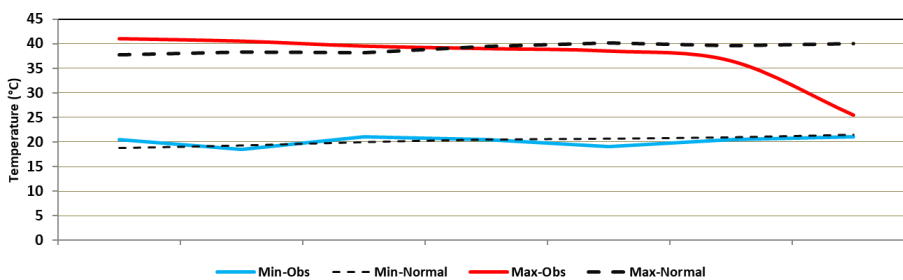
Faisalabad (Min & Max Temperatures)



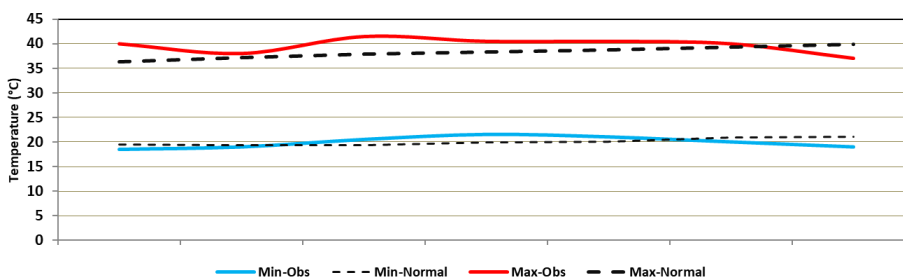
Quetta (Min & Max Temperatures)



Tandojam (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



**Weekly Weather Advisory for Farmers****(15<sup>th</sup> – 21<sup>st</sup> April, 2024)**

A strong westerly wave is affecting upper parts of the country.

**MONDAY****15-04-2024**

More rain-windstorm/thunderstorm is likely in Kashmir, Gilgit-Baltistan, Khyber-Pakhtunkhwa, Islamabad, upper Punjab and north Balochistan. Heavy falls/hailstorm is also likely at isolated places in upper Khyber-Pakhtunkhwa, Kashmir and Gilgit-Baltistan. Snowfall is also likely over hilly areas of Kashmir and northern areas.

**TUESDAY****16-04-2024**

Dry weather is expected in most plain areas of the country. However, more rain/thunderstorm is likely at isolated places in upper Khyber-Pakhtunkhwa, Kashmir and Gilgit-Baltistan.

**WEDNESDAY****17-04-2024**

Mainly dry weather is expected in most parts of the country while, partly cloudy in upper parts. However, rain-windstorm/thunderstorm is expected in Balochistan.

**THURSDAY****18-04-2024**

Rain-windstorm/thunderstorm with isolated hailstorm is expected in Khyber Pakhtunkhwa, Gilgit-Baltistan, Kashmir, Islamabad, Punjab, Balochistan and upper/southwest Sindh.

**FRIDAY****19-04-2024**

Rain-windstorm/thunderstorm is expected in Khyber Pakhtunkhwa, Punjab, Islamabad, northeast Balochistan, upper Sindh, Gilgit-Baltistan and Kashmir. Isolated heavy falls is expected in Khyber Pakhtunkhwa, Kashmir, northeast Balochistan and northeast Punjab. Hailstorm is also expected during the forecast period. Snowfall is also expected over high mountains in northern areas.

**SATURDAY****20-04-2024**

Rain-windstorm/thunderstorm is expected in Khyber Pakhtunkhwa, Islamabad, upper Punjab, northeast Balochistan Kashmir and Gilgit-Baltistan. Isolated heavy falls is expected in Khyber Pakhtunkhwa. Hailstorm is also expected during the forecast period. Snowfall is also expected over high mountains in northern areas.

**SUNDAY****21-04-2024**

Mainly dry weather is expected in most parts of the country. However, rain-wind/thunderstorm is likely in Khyber Pakhtunkhwa, upper Punjab, Gilgit-Baltistan and Kashmir.

**ADVISORY FOR FARMERS**

- The farmers may plan field activities according to the PMD weather forecast.

**National Weather Data of Selected Cities from (08<sup>th</sup> – 14<sup>th</sup> April 2024)**

Stations	Minimum/Day Time Temperature (°C)		Growing Degree Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Oktas) 0800 PST	Cloudiness (Oktas) 1700 PST	Wind Speed (Knots) 0800 PST	Wind Speed (Knots) 1700 PST
	Mean	Lowest							
D.I. Khan	20.5	18.0	153.3	54.0	18.0	3.4	4.3	0.6	0.6
Faisalabad	19.7	18.0	150.0	53.0	4.6	3.7	2.4	2.0	1.4
Gawadar	21.4	20.5	148.5	74.8	4.6	6.4	5.6	0.9	8.9
Gilgit	9.4	4.5	86.5	38.8	0.3	2.8	5.3	0.0	3.4
Kalam	0.4	-3.0	20.3	34.6	179.7	3.7	4.4	0.0	2.0
Lahore	19.3	18.4	149.1	43.6	0.0	2.3	4.1	0.9	4.9
Malam Jabba	6.7	4.0	36.7	68.8	213.0	2.9	5.3	2.3	1.7
Mangla	15.9	12.2	126.0	59.4	13.8	3.7	3.9	2.0	2.6
Multan (PBO)	21.4	18.7	157.7	47.1	16.7	4.1	4.4	4.9	5.4
Murree	9.4	8.0	64.3	62.4	27.0	4.0	4.9	3.1	5.4
Muzaffarabad	13.3	12.5	107.9	63.3	40.0	2.6	5.3	0.0	0.0
Sh. Ben. Abad	21.4	20.0	179.1	45.8	1.5	3.4	2.7	3.7	10.0
Peshawar	16.4	14.5	125.4	62.8	81.0	3.3	5.9	0.9	1.7
Quetta	11.4	9.0	87.5	43.0	96.8	4.7	6.4	2.8	3.8
Rawalpindi	14.7	12.0	121.0	54.0	4.2	4.0	5.4	0.6	1.8
Rohri	22.9	21.0	177.8	41.0	2.0	3.0	3.3	2.6	3.7
Skardu	7.2	3.2	57.8	34.6	13.8	3.9	5.3	0.0	2.0
Tandojam	20.1	18.5	165.8	53.0	3.0	2.0	1.6	1.8	2.2
U.Muhammad	19.9	18.5	173.5	43.5	0.0	4.1	5.0	1.1	3.7
Zhob	23.9	21.5	171.0	44.4	18.1	3.3	4.9	2.1	5.9

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