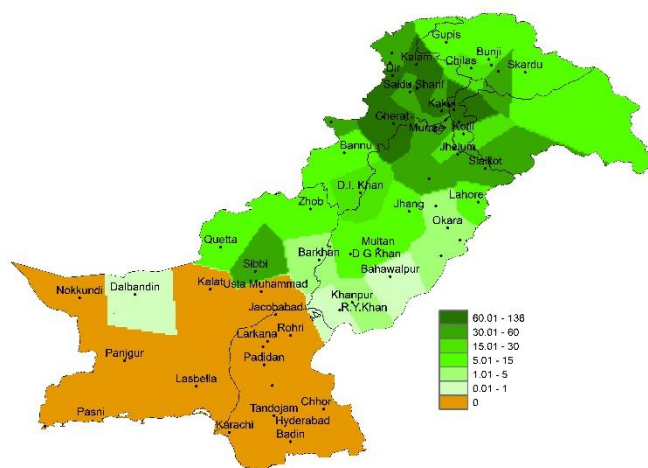


# Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the Previous Week (25<sup>th</sup> – 31<sup>st</sup> March 2024)**

## Highlights of Past Weather (25<sup>th</sup> – 31<sup>st</sup> March 2024)

- Moderate to heavy rain was reported from most parts of the country during the past week. While dry weather was reported from southern parts of the country (Sindh, southern Baluchistan).
- Daily maximum temperatures were observed normal to above normal in most parts of the country except central Punjab where below normal maximum temperature were recorded.
- Daily minimum temperatures were observed above normal in the country.
- Above normal mean daily temperatures were observed in most parts of the country whereas normal to below normal in central Punjab.

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

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

## **Past Weather of Provinces** **(25<sup>th</sup> – 31<sup>st</sup> March 2024)**

### **Punjab**

Light to moderate rainfall was reported from Punjab Province. Weekly maximum and minimum temperatures recorded as 30.2°C & 17.4°C respectively. For the recent week on average 131.4 growing degree days were accumulated. Average relative humidity recorded as 60% and wind speed in the morning/evening recorded as 2.6/3.3 Knots. Highest rainfall was reported as 53.0 mm from Murree. However, lowest minimum temperature was recorded as 2.5°C at Murree.

### **Baluchistan**

Light to moderate rainfall was reported from the northern parts of the province. Weekly maximum and minimum temperatures recorded as 29.0°C & 15.9°C respectively. For the recent week on average 122.2 growing degree days were accumulated. Average relative humidity recorded 55% and wind speed in the morning/evening recorded as 1.2/6.1 Knots. Highest rainfall was reported as 42.5 mm from Sibbi. However, lowest minimum temperature was recorded as 3.0°C at Quetta.

### **Khyber Pakhtunkhwa**

Moderate to heavy rainfall was reported from Khyber Pakhtunkhwa. Weekly maximum and minimum temperatures recorded as 23.1°C & 10.6°C respectively. For the recent week on average 80.7 growing degree days were accumulated. Average relative humidity recorded as 69% and wind speed in the morning/evening recorded as 1.0/1.9 Knots. Highest rainfall was reported as 104.0 mm from DIR. However, lowest minimum temperature recorded as -3.5 °C at Kalam.

### **Sindh**

Dry weather was reported from Sindh. Weekly maximum and minimum temperatures recorded as 36.3°C & 21.5°C respectively. For the recent week, on average 167.5 growing degree days were accumulated. Average relative humidity recorded as 46% and wind speed in the morning/evening

recorded as 3.6/4.9 Knots. During the previous week the lowest minimum temperature recorded as 17.0°C at Padidan.

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

Moderate to heavy rainfall was reported from Gilgit Baltistan and Kashmir. Weekly maximum and minimum temperatures recorded as 21.2°C & 9.3°C respectively. For the recent week on average 71.7 growing degree days were accumulated. Average relative humidity recorded as 56%. and wind speed recorded in the morning/evening as 0.3/3.2. Highest rainfall was reported as 135.5 mm from Muzaffarabad. However, lowest minimum temperature recorded as 0.5°C at Astore.

**Past Weather for Major Agricultural Plains****(25<sup>th</sup> – 31<sup>st</sup> March 2024)****Rawalpindi (Potohar region)**

Rainfall reported as 33.7 mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 3.9/4.7 Oktas, average relative humidity observed as 63.0%. Mean minimum time temperature was recorded as 13.2°C and for the recent week 108.8 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.6/0.9 Knots. The lowest minimum temperature was recorded as 9.5°C.

**Faisalabad (Central Punjab)**

Rainfall reported as 1.4 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded 3.1/4.1 Oktas while, average relative humidity observed as 65%. Mean minimum time temperature recorded 18.2°C & for the recent week 134.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.2/1.8 Knots. The lowest minimum temperature was recorded as 15.5°C.

**Tandojam (Lower Sindh)**

Dry weather reported during the week; however, cloudiness in the morning/evening recorded 1.8/1.0 Oktas while, average relative humidity observed as 50%. Mean minimum time temperature recorded as 20.7°C & for the recent week 167.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.1/4.0 Knots. The lowest minimum temperature was recorded as 20.0°C.

**Usta Muhammad (Eastern Baluchistan)**

Dry weather reported during the week; however, cloudiness in the morning/evening recorded as 3.8/2.4. Average relative humidity observed as 69%. Mean minimum time temperature recorded as 19.0°C & for the recent week 149.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/4.0 Knots. The lowest minimum temperature was recorded as 16.0°C.

**Quetta (Northern Baluchistan)**

Rainfall reported as 9.6 mm from Quetta during the week; however, cloudiness in the morning/evening recorded as 5.4/5.4 Oktas while, average relative humidity observed as 51%. Mean minimum time temperature recorded as 11.6°C & for the recent week 79.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.8/2.8

Knots. The lowest minimum temperature was recorded as 6.0°C.

**Past Weather for Sub-Regional Agricultural Plains (25<sup>th</sup> – 31<sup>st</sup> March 2024)****Multan**

Rainfall reported as 5.2 mm during the week; however, cloudiness in the morning/evening recorded as 3.6/5.1 Oktas. Average relative humidity observed as 60%. Mean minimum time temperature recorded as 19.0°C & for the recent week 142.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.4/4.9 Knots.

**Lahore**

Rainfall reported 11.0 mm from Lahore during the week; cloudiness in the morning/evening recorded as 2.7/4.0 Oktas, average relative humidity observed as 58%. Mean minimum time temperature recorded as 18.4°C & for the recent week 132.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/2.9 Knots.

**Zhob**

Rainfall reported as 12.0 mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 3.7/4.8 Oktas. Average relative humidity observed as 51%. Mean minimum time temperature recorded as 12.2°C & for the recent week 91.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.0/6.0 Knots.

**Murree**

Rainfall reported as 53.0 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 4.1/6.1 Oktas while, average relative humidity observed as 62%. Mean minimum time temperature recorded as 7.3°C & for the recent week 52.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.6/2.6 Knots.

**D.I. Khan**

Rainfall reported as 17.2 mm from D.I. Khan during the week; cloudiness in the morning/evening recorded as 4.3/4.7. Average relative humidity observed as 72%. Mean minimum time temperature recorded as 18.2°C & for the recent week 130.5

growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/1.7 Knots.

### **Peshawar**

Rainfall reported as 76.0 mm from Peshawar during the week; however, cloudiness in the morning/evening recorded as 3.7/5.7 Oktas while, average relative humidity observed as 67%. Mean minimum time temperature was recorded as 15.7°C & for the recent week 119.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/2.6 Knots.

### **Kalam**

Rainfall reported as 72.0 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 4.6/4.8 Oktas while, average relative humidity observed as 51%. Mean minimum time temperature recorded as -0.6°C. Wind speed recorded in the morning/evening as 0.0/1.5 Knots.

### **Gilgit**

Rainfall reported as 10.5 mm from Gilgit during the week, cloudiness in the morning/evening recorded as 6.0/6.0 Oktas while, average relative humidity observed as 48.4%. Mean minimum time temperature recorded as 10.1°C & for the recent week 82.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/7.2 Knots.

### **Skardu**

Rainfall reported as 13.3 mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 5.4/5.1 Oktas while, average relative humidity observed as 51%. Mean minimum time temperature recorded as 6.2°C & for the recent week 46.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/1.5 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 fields. Date of sowing 21-11-2023. Phonological Stage: Milk Maturity. Condition: Good.

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

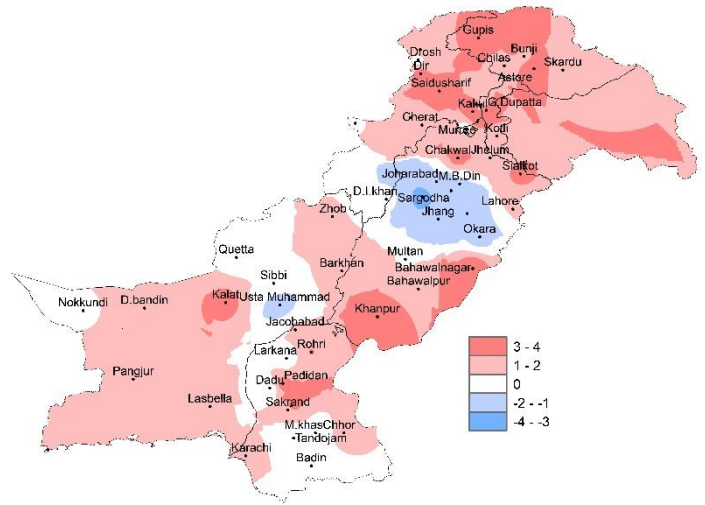
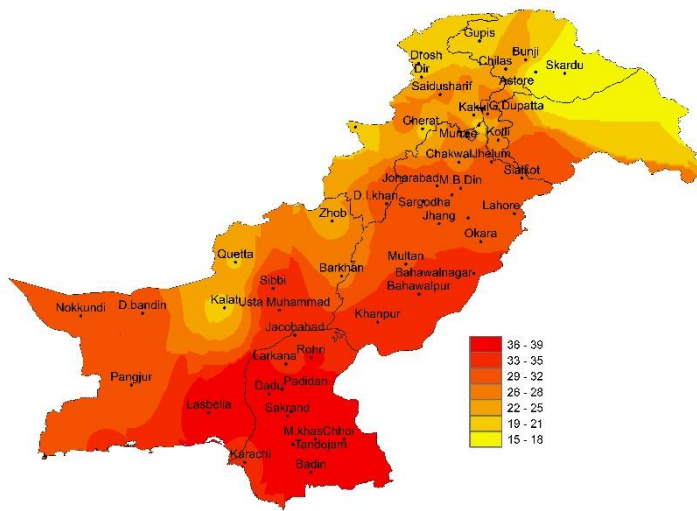
Wheat crop is sown in the fields. Date of sowing 26-11-2023. Variety:TJ83. Phonological Stage: Full Maturity. Condition: Good.

### **Northern Baluchistan (Quetta)**

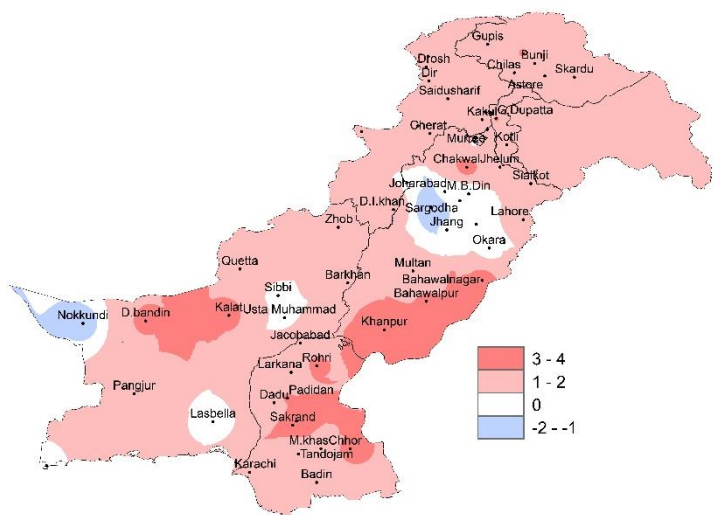
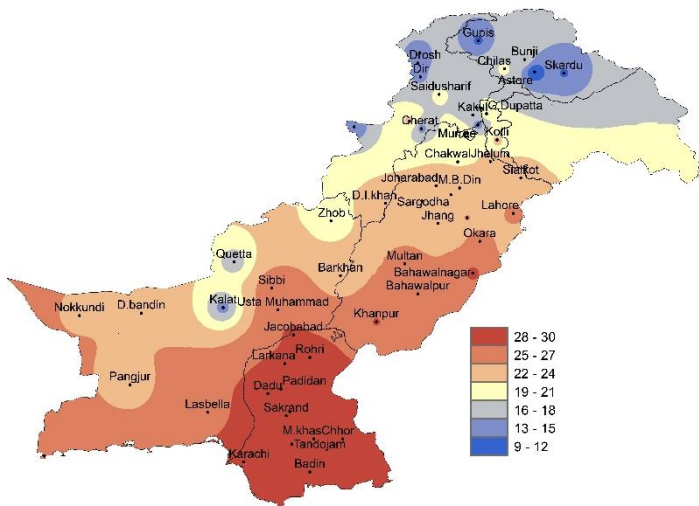
Wheat crop is sown in the fields of RAMC Quetta. Date of sowing 22-11-2023. Phonological Stage: Shooting. Condition: *Good*

**Eastern Baluchistan (Usta Muhammad)** Wheat crops are grown in the fields. Phonological Stage: Milk Maturity. Condition: *Good*.

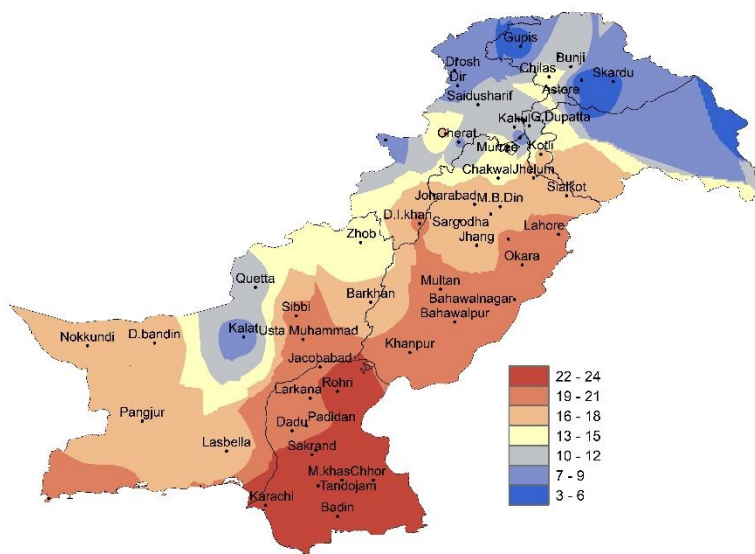
**Actual & Departure of Maximum temperature (°C) for the Previous week (25<sup>th</sup> – 31<sup>st</sup> March 2024)**



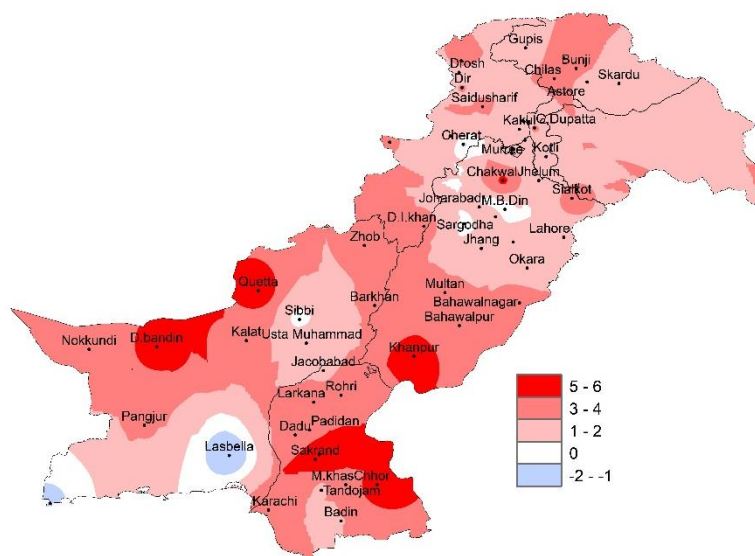
**Actual & Departure of Mean temperature (°C) for the Previous week (25<sup>th</sup> – 31<sup>st</sup> March 2024)**



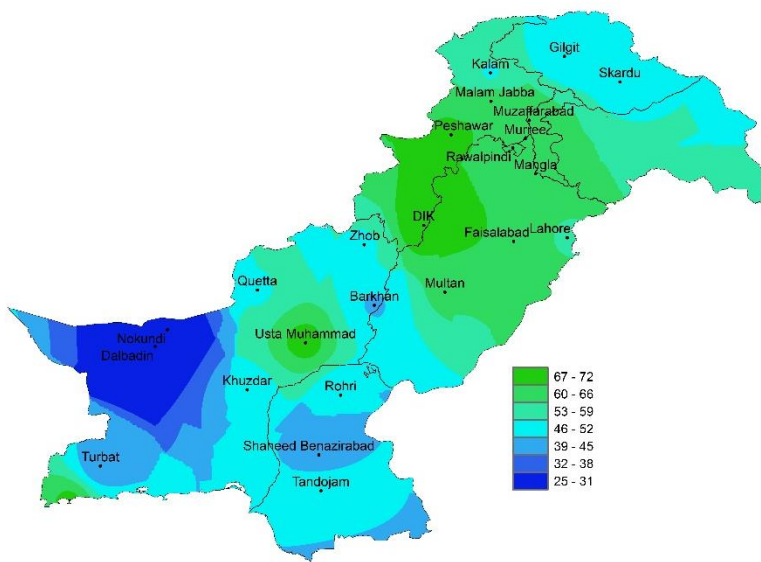
**Actual Minimum temperature (°C) during the Previous week (25<sup>th</sup> – 31<sup>st</sup> March 2024)**



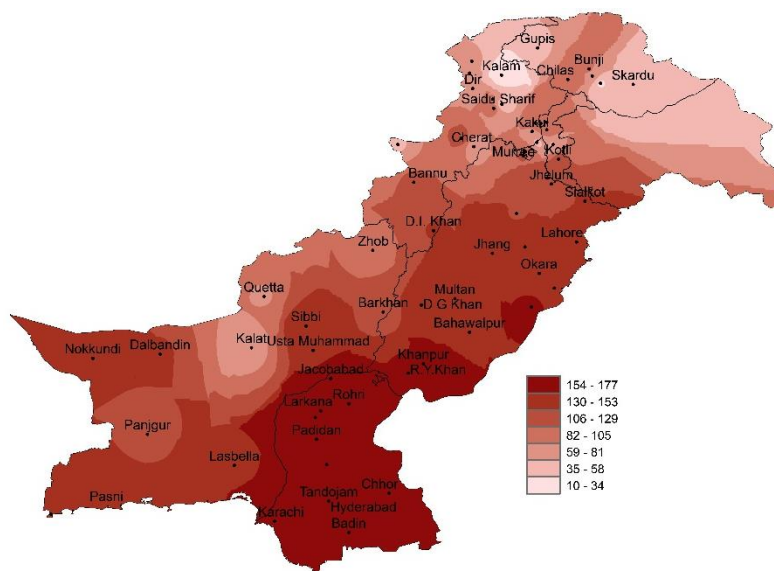
**Departure of Minimum temperature (°C) during the Previous week (25<sup>th</sup> – 31<sup>st</sup> March 2024)**



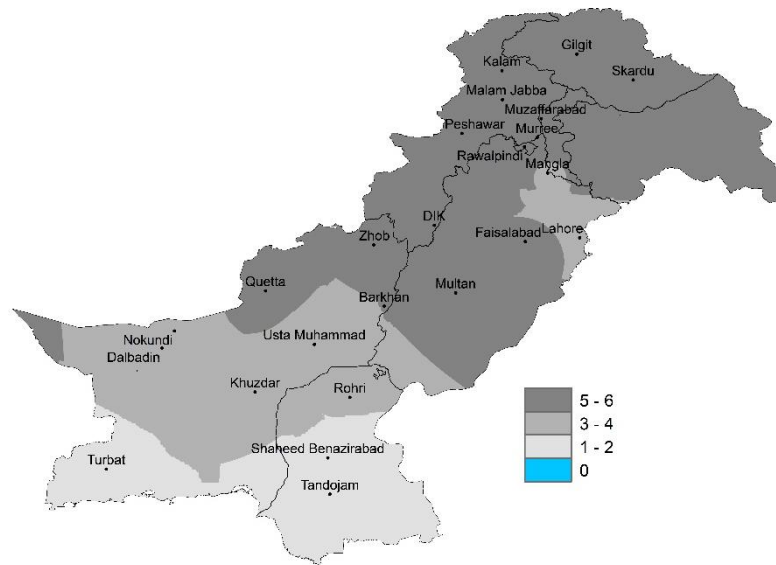
**Mean Relative Humidity (%) during the  
Previous week (25<sup>th</sup> – 31<sup>st</sup> March 2024)**



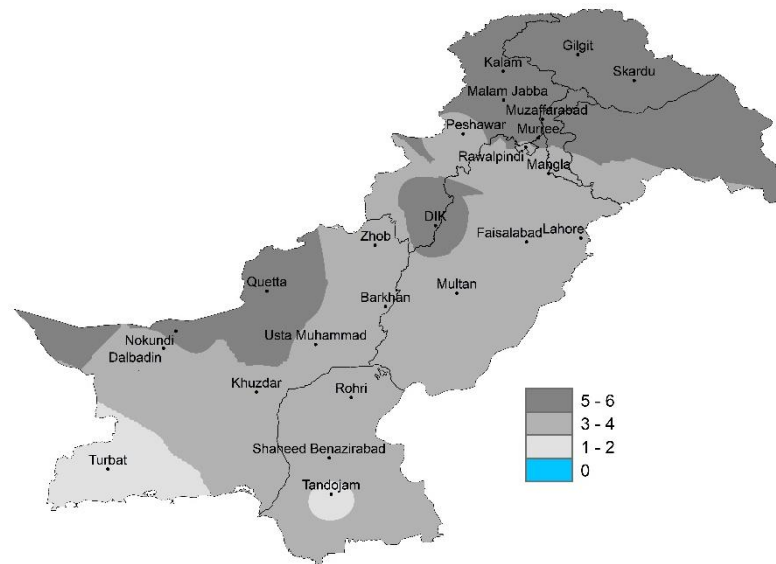
**Total Growing Degree Days accumulated during the  
Previous week (25<sup>th</sup> – 31<sup>st</sup> March 2024)**



Mean Cloudiness (Octas) at 0800PST during the  
Previous week (25<sup>th</sup> – 31<sup>st</sup> March 2024)

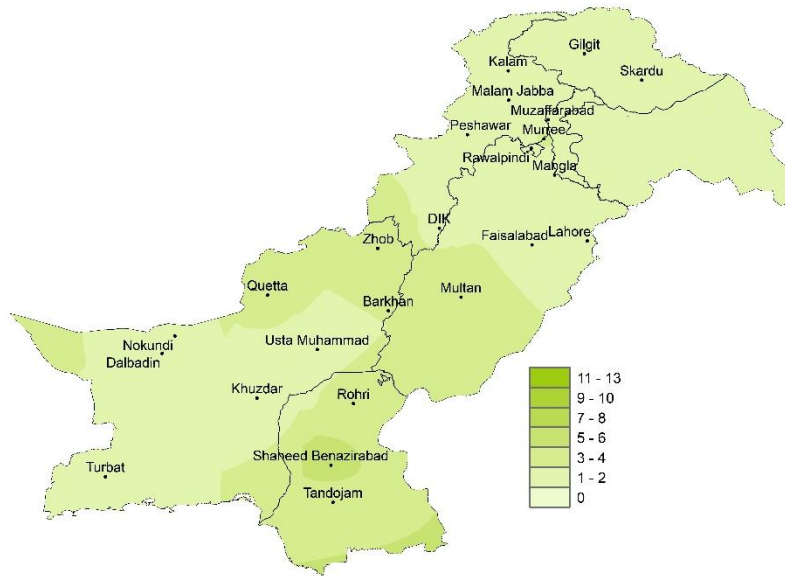


Mean Cloudiness (Octas) at 1700PST during the  
Previous week (25<sup>th</sup> – 31<sup>st</sup> March 2024)

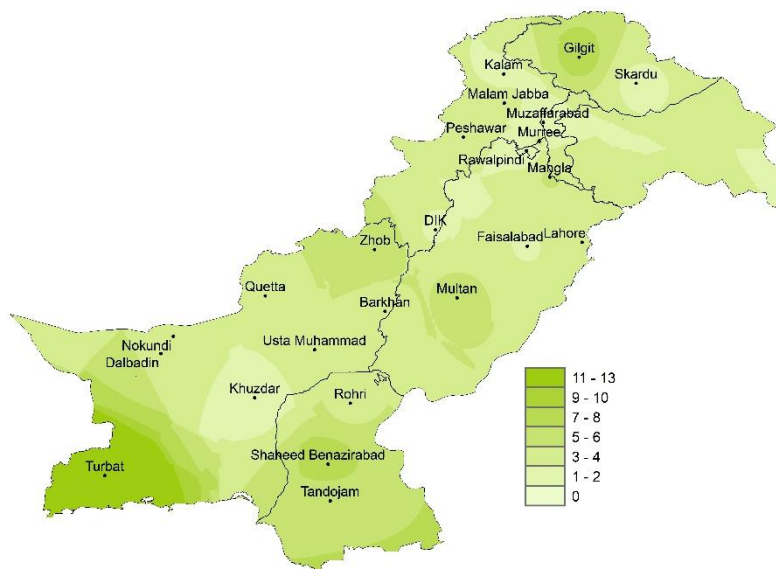




**Mean Wind Speed (Knots) at 0800PST during the  
Previous week (25<sup>th</sup> – 31<sup>st</sup> March 2024)**

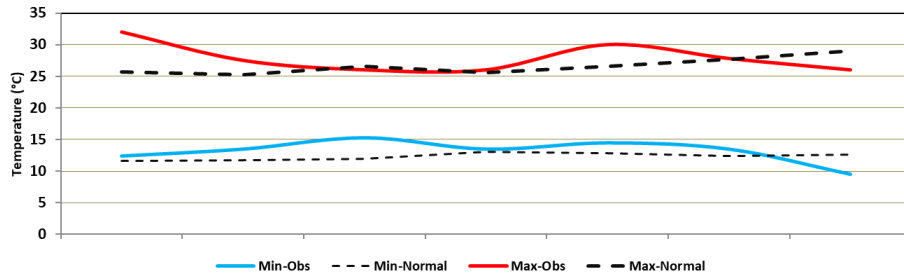


**Mean Wind Speed (Knots) at 1700PST during the  
Previous week (25<sup>th</sup> – 31<sup>st</sup> March 2024)**

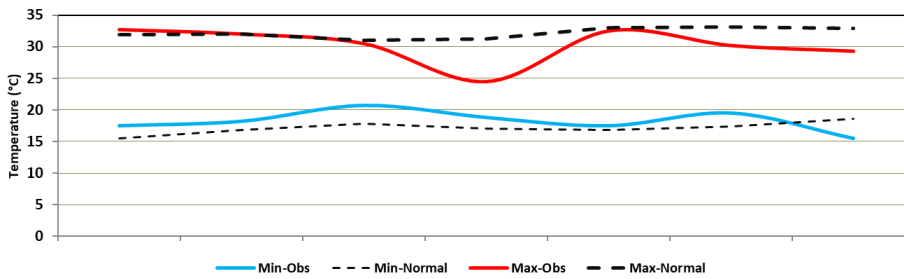


**Comparison of temperatures for RAMCs (Minimum & Maximum with normal)**  
**during the previous week (25<sup>th</sup> – 31<sup>st</sup> March 2024)**

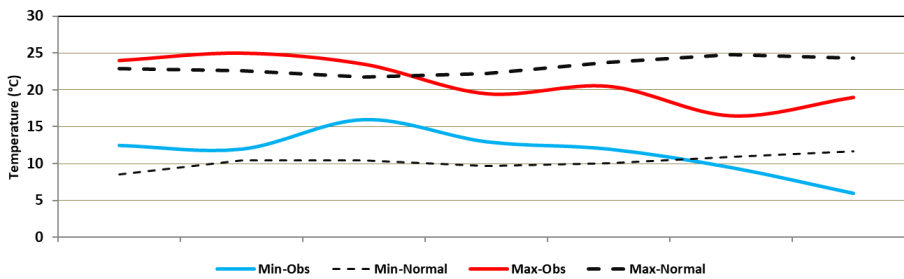
**Rawalpindi (Min & Max Temperatures)**



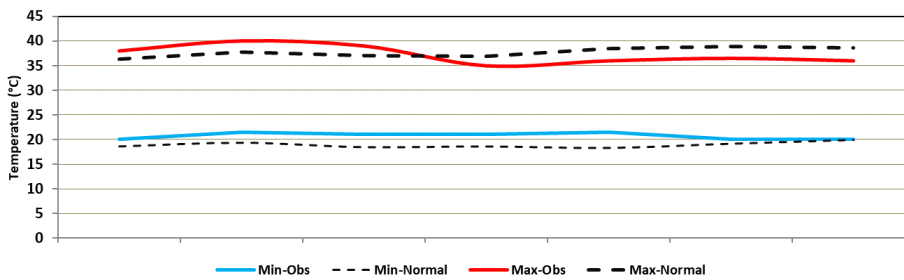
**Faisalabad (Min & Max Temperatures)**



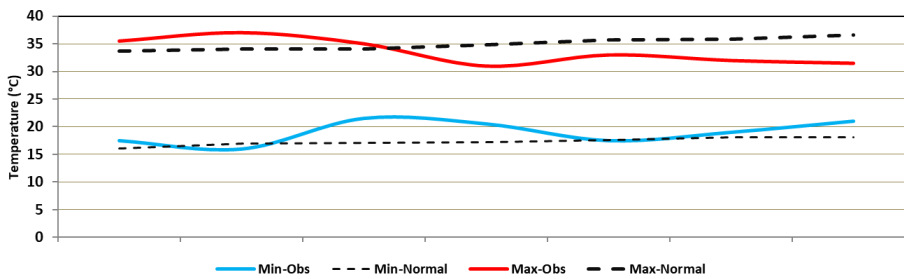
**Quetta (Min & Max Temperatures)**



**Tandojam (Min & Max Temperatures)**



**Usta Muhammad (Min & Max Temperatures)**



**Weekly Weather Advisory for Farmers****(01<sup>st</sup> – 07<sup>th</sup> April 2024)**

Continental air is prevailing over most parts of the country. A feeble westerly wave is likely to affect parts of upper Khyber Pakhtunkhwa, Gilgit-Baltistan, Kashmir and adjoining hilly areas from toady evening/night till next 24 hours.

**MONDAY****01-04-2024**

Mainly dry weather is expected in most parts of the country. However, rain-windstorm/thunderstorm is expected at isolated places in upper Khyber-Pakhtunkhwa, Kashmir and Gilgit Baltistan during evening/night.

**TUESDAY****02-04-2024**

Mainly dry weather is expected in most parts of the country. However, rain-windstorm/thunderstorm is expected at isolated places in upper Khyber-Pakhtunkhwa, Gilgit-Baltistan, Kashmir and Pothohar region.

**WEDNESDAY****03-04-2024**

Mainly dry weather is expected in most parts of the country while hot in southern parts. However, rain-wind/thunderstorm is likely at isolated places in Chitral, Kohistan, Abbottabad, Gilgit-Baltistan and Kashmir.

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

Mainly dry weather is expected in most parts of the country while hot in southern parts. However, rain-wind/thunderstorm is likely in Kashmir and adjoining hilly areas.

**FRIDAY****05-04-2024**

Mainly dry weather is expected in most parts of the country while hot in southern parts. However, partly cloudy weather is likely in Gilgit-Baltistan and Kashmir.

**SATURDAY****05-04-2024**

Mainly dry weather is expected in most parts of the country while hot in southern parts. However, partly cloudy weather is likely in Gilgit-Baltistan and Kashmir.

**SUNDAY****07-04-2024**

Mainly dry weather is expected in most parts of the country while hot in southern parts.

**ADVISORY FOR FARMERS**

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

**National Weather Data of Selected Cities from (25<sup>th</sup> – 31<sup>st</sup> March 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	18.2	15.5	130.5	72.4	17.2	4.3	4.7	1.7	1.7
Faisalabad	18.2	15.5	134.7	65.0	1.4	3.1	4.1	1.2	1.8
Gawadar	19.6	19.0	142.8	67.4	0.0	1.4	1.6	0.6	12.0
Gilgit	10.1	6.0	82.0	48.4	10.5	6.0	6.0	0.3	7.2
Kalam	-0.6	-3.5	9.8	51.0	72.0	4.6	4.8	0.0	1.5
Lahore	18.4	15.5	132.8	58.0	11.0	2.7	4.0	1.7	2.9
Malam Jabba	5.1	4.0	31.8	63.2	79.0	5.0	5.1	1.1	2.9
Mangla	15.5	12.2	123.2	60.1	21.7	3.3	3.6	0.9	4.3
Multan (PBO)	19.0	15.5	142.4	59.6	5.2	3.6	5.1	3.4	4.9
Murree	7.3	2.5	52.6	61.9	53.0	4.1	6.1	2.6	2.3
Muzaffarabad	11.9	9.7	95.7	62.4	135.5	5.3	5.6	0.0	0.0
Sh. Ben. Abad	21.9	20.0	177.0	41.8	0.0	3.3	2.1	4.6	7.4
Peshawar	15.7	12.5	119.0	67.1	76.0	3.7	5.7	1.1	2.6
Quetta	11.6	6.0	79.5	51.0	9.6	5.4	5.4	2.8	2.8
Rawalpindi	13.2	9.5	108.8	63.0	33.7	3.9	4.7	0.6	0.9
Rohri	22.2	19.5	166.5	45.3	0.0	3.0	2.3	3.1	3.3
Skardu	6.2	3.1	46.9	51.0	13.3	5.4	5.1	0.0	1.5
Tandojam	20.7	20.0	167.8	49.7	0.0	1.8	1.0	3.1	4.0
U.Muhammad	19.0	16.0	149.0	68.5	0.0	3.8	2.4	1.1	4.0
Zhob	0.0	0.0	0.0	50.9	0.0	3.7	4.8	3.0	6.0

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