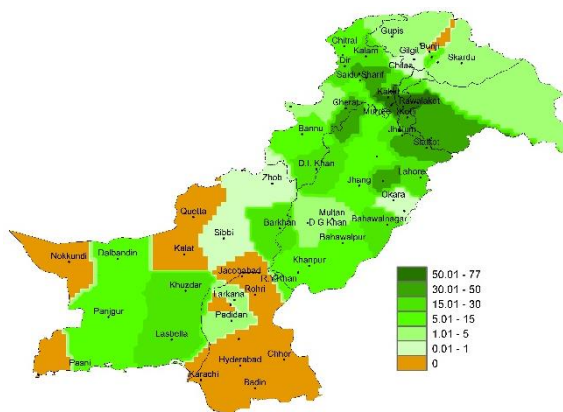


# Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the Previous Week (16<sup>th</sup> October 2023 – 22<sup>nd</sup> October 2023)**

## Highlights of Past Weather (16<sup>th</sup> October 2023 – 22<sup>nd</sup> October 2023)

- Light to moderate rain was reported from all over the country except Sindh where light rain was reported at a single station.
- Above-normal mean temperatures were observed in parts of the Baluchistan and Sindh provinces.
- While normal to below normal temperatures were received from the rest of the country.

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

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

## **Past Weather of Provinces (16<sup>th</sup> October 2023 – 22<sup>nd</sup> October 2023)**

### **Punjab**

Light to moderate rainfall was reported from the agriculture plains of Punjab. Weekly maximum and minimum temperatures recorded as 27.7°C & 16.5°C respectively. For the recent week on average 119.8 growing degree days were accumulated. Average relative humidity recorded as 68% and wind speed in the morning/evening recorded as 2.0/1.8 Knots. The Lowest minimum temperature was recorded as 3.0°C at Murree. Highest precipitation recorded as 63.51 mm from Murree.

### **Baluchistan**

Light rainfall reported from Baluchistan province. Weekly maximum and minimum temperatures recorded as 30.4°C & 16.7°C respectively. For the recent week on average 129.4 growing degree days were accumulated. Average relative humidity recorded 52% and wind speed in the morning/evening recorded as 1.0/6.3 Knots. The lowest minimum temperature recorded as 4.5°C at Kalat. Highest precipitation recorded as 26 mm from Barkhan.

### **Khyber Pakhtunkhwa**

Light to moderate rain reported from agriculture plains of KPK. Weekly maximum and minimum temperatures recorded as 22.2 °C & 10.4°C respectively. For the recent week on average 79.0 growing degree days were accumulated. Average relative humidity recorded as 75% and wind speed in the morning/evening recorded as 1.1/1.5 Knots. During the previous week the Lowest minimum temperature recorded as -1.5°C at Kalam. The highest precipitation recorded as 51.0 mm from Kakul.

### **Sindh**

Dry weather is reported from almost all over Sindh province except a single station where light rain was reported. Weekly maximum and minimum temperatures recorded as 34.5°C & 23.0°C respectively. For the recent week, on average 166.1 growing degree days were accumulated. Average

relative humidity recorded as 64% and wind speed in the morning/evening recorded as 2.7/3.2 Knots. During the previous week the Lowest minimum temperature recorded as 19.5°C at Moinjodaro. Highest precipitation recorded as 5.0mm from Larkana.

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

Light to moderate rain reported from Gilgit Baltistan and Kashmir. Weekly maximum and minimum temperatures recorded as 20.2°C & 8.3°C respectively. For the recent week on average 64.7 growing degree days were accumulated. Average relative humidity recorded as 71% and wind speed in the morning/evening recorded as 0.6/0.6Knots. During the previous week the highest precipitation was recorded as 76.6 mm at Rawalakot while the highest maximum temperature recorded as 0.2°C at Skardu.

### **Past Weather for Major Agricultural Plains (16<sup>th</sup> October 2023 – 22<sup>nd</sup> October 2023)**

#### **Rawalpindi (Potohar region)**

Rainfall reported as 14.7 mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 1.7/2.9 Oktas while, average relative humidity observed as 70%. Mean minimum time temperature was recorded as 15.5°C and for the recent week 127.8 growing degree days were accumulated. Wind speed recorded in the morning/evening as 2.0/6.0 Knots. The Lowest minimum temperature was recorded as 13.5°C.

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

Rainfall reported as 1.8 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded as 0.3/2.3 Oktas while, average relative humidity observed as 69%. Mean minimum time temperature recorded as 22.2°C & for the recent week 160.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.6/0.9 Knots. The lowest minimum temperature was recorded as 17.8°C.

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

Dry weather reported from Tandojam during the week; however, clear sky has been observed, while average relative humidity observed as 68%. Mean minimum time temperature recorded as 23.2°C & for the recent week 175.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/2.3 Knots. Lowest minimum temperature was recorded as 22.0°C.

#### **Usta Muhammad (Eastern Baluchistan)**

Dry weather reported from Usta Muhammad during the week; however, clear sky has been observed, average relative humidity observed as 66%. Mean minimum time temperature recorded as 21.9°C & for the recent week 166.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.8/2.2 Knots. The lowest minimum temperature was recorded as 19.0°C.

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

Dry weather reported from Quetta during the week; however, cloudiness in the morning/evening recorded as 1.1/1.9 Oktas while, average relative humidity observed as 24%. Mean minimum time temperature recorded as 12.0°C & for the recent week 103.0 growing degree days accumulated. Wind speed recorded in the morning/evening as

1.5/3.3 Knots. The lowest minimum temperature was recorded as 8.6°C.

### **Past Weather for Sub-Regional Agricultural Plains (16<sup>th</sup> October 2023 – 22<sup>nd</sup> October 2023)**

#### **Multan**

Rainfall reported as 5.0mm from Multan during the week; however, cloudiness in the morning/evening recorded as 2.7/3.4 Oktas. Average relative humidity observed as 64%. Mean minimum time temperature recorded as 18.5°C & for the recent week 134.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.4/1.7 Knots.

#### **Lahore**

Rainfall reported as 21.01 mm from Lahore during the week; however, cloudiness in the morning/evening recorded as 3.3/1.3 Oktas, average relative humidity observed as 74%. Mean minimum time temperature recorded as 16.4°C & for the recent week 117.2 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/2.0 Knots.

#### **Zhob**

Rainfall reported as 1.0mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 0.3/1.4 Oktas while, average relative humidity observed as 48%. Mean minimum time temperature recorded as 13.4°C & for the recent week 100.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.1/5.3 Knots.

#### **Murree**

Rainfall reported as 63.5 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 3.4/3.0 Oktas while, average relative humidity observed as 66.4%. Mean minimum time temperature recorded as 6.5°C & for the recent week 40.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.9/1.6 Knots.

#### **D.I. Khan**

Rainfall reported as 19.01 mm from DI Khan during the week; however, cloudiness in the morning/evening recorded as 1.6/1.1 Oktas while while average relative humidity observed as 69%. Mean minimum time temperature recorded as 18.1°C & for the recent week 130.8 growing degree

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

### **Peshawar**

Rainfall reported as 3.7 mm from Peshawar during the week; however, cloudiness in the morning/evening recorded as 3.0/4.4 Oktas while, average relative humidity observed as 74.5%. Mean minimum time temperature was recorded as 15.2°C & for the recent week 113.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/1.4 Knots.

### **Kalam**

Rainfall reported as 19.0 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 3.1/5.0 Oktas while, average relative humidity observed as 60.4%. Mean minimum time temperature recorded as 0.3 °C & for the recent week 16.5 growing degree days accumulated.

### **Gilgit**

Rainfall reported as 3.71 mm from Gilgit during the week, cloudiness in the morning/evening recorded as 5.4/5.3 Oktas while, average relative humidity observed as 69.9%. Mean minimum time temperature recorded as 7.9°C & for the recent week 68.1 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.0 Knots.

### **Skardu**

Rainfall weather reported as 4.3 mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 4.6/3.7 Oktas while, average relative humidity observed as 60.4%. Mean minimum time temperature recorded as 4.1°C & for the recent week 35.8 growing degree days accumulated.

### **(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)**

Cotton crop is grown in the fields. Date of sowing 30-05-2023. Variety: FH490, BT, Stage: 1<sup>st</sup> picking is done. Irrigated, condition: very good

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

Cotton crop is grown in the fields. Date of sowing 11-05-2023. Variety:TH108, Stage: Picking completed. Irrigated.

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

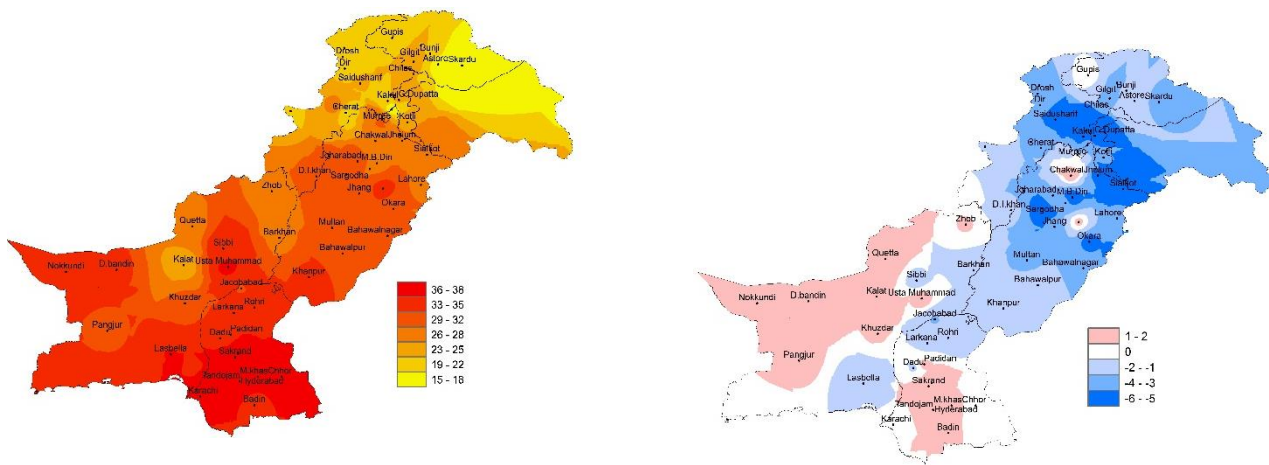
There is presently no crop grown in the fields of Quetta (Sariab).

#### **Eastern Baluchistan (Usta Muhammad)**

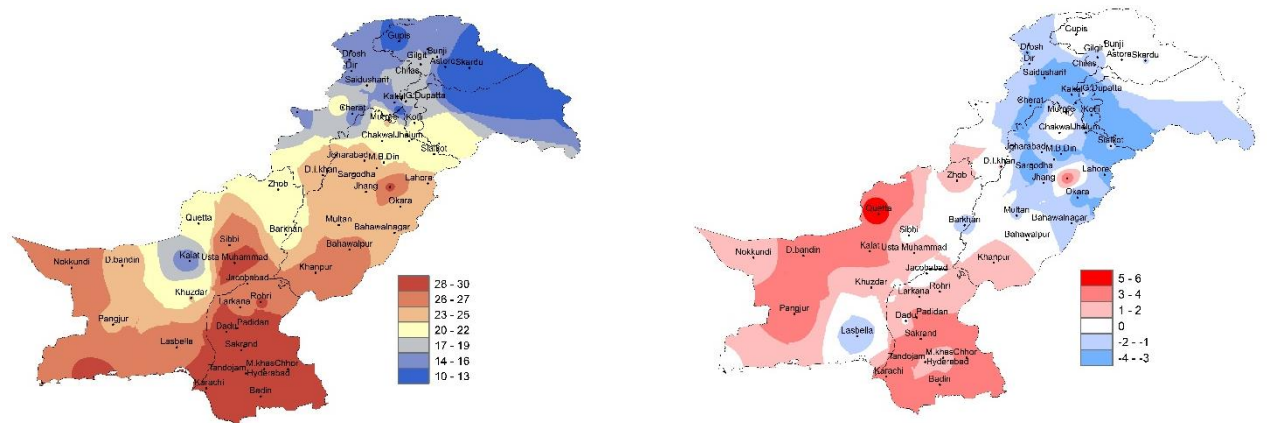
Rice crops are grown in the fields. Stage: Milk Maturity, condition: good.

### **Crop Situation for Major Agricultural Plains**

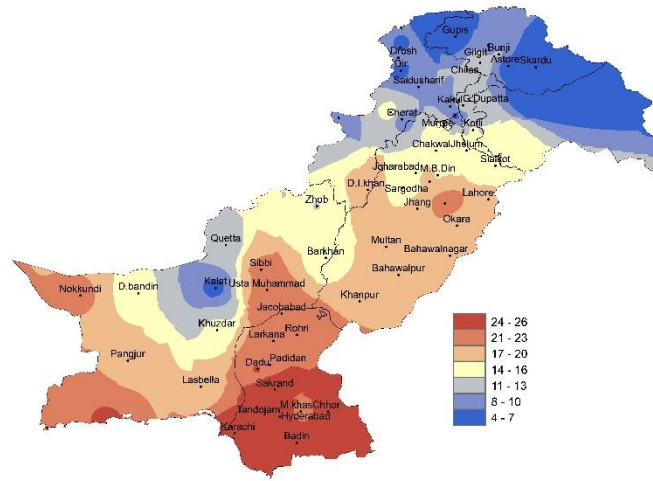
**Actual & Departure of Maximum temperature (°C) for the Previous week (16<sup>th</sup> October 2023 – 22<sup>nd</sup> October 2023)**



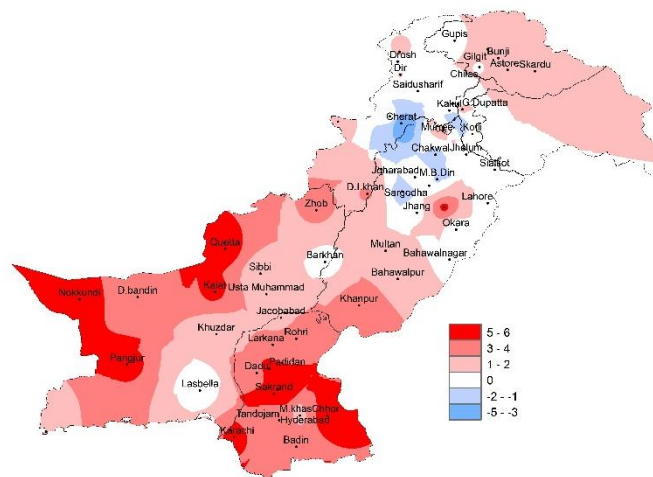
**Actual & Departure of Mean temperature (°C) for the Previous week (16<sup>th</sup> October 2023 – 22<sup>nd</sup> October 2023)**



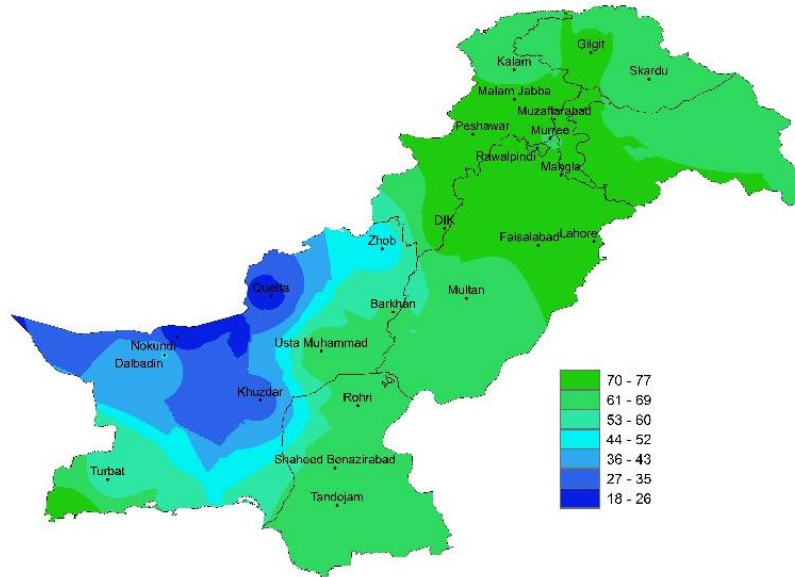
Departure of Minimum temperature (°C) the  
Previous week (16<sup>th</sup> October 2023 – 22<sup>nd</sup> October 2023)



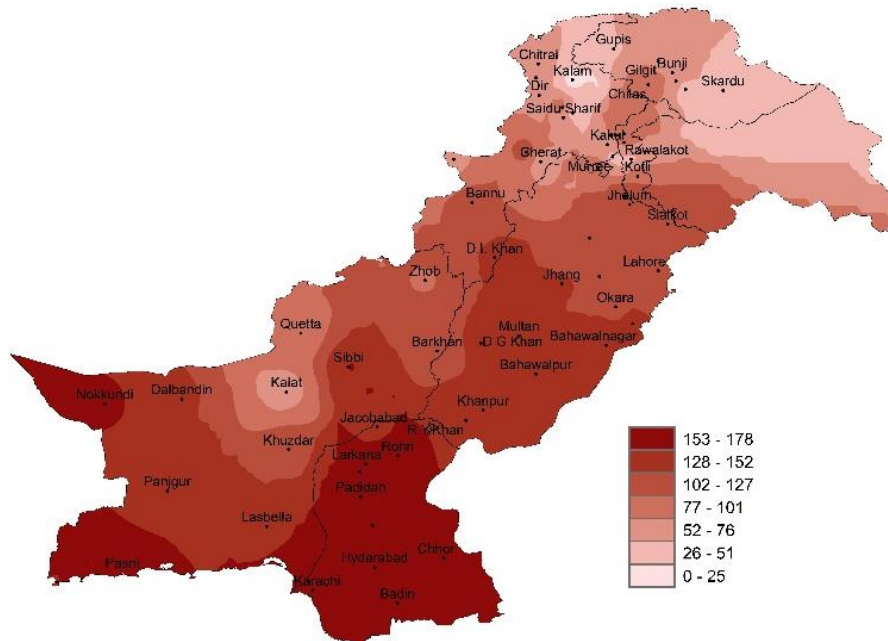
Actual Minimum temperature (°C) during the  
Previous week (16<sup>th</sup> October 2023 – 22<sup>nd</sup> October 2023)



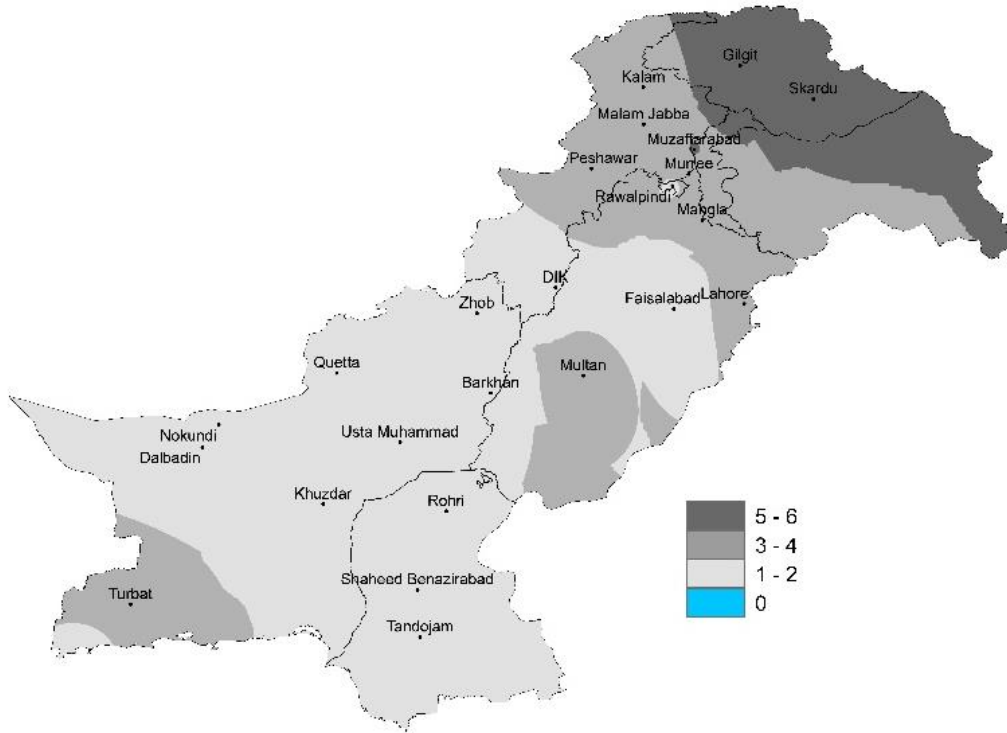
**Mean Relative Humidity (%) during the  
Previous week (16<sup>th</sup> October 2023 – 22<sup>nd</sup> October 2023)**



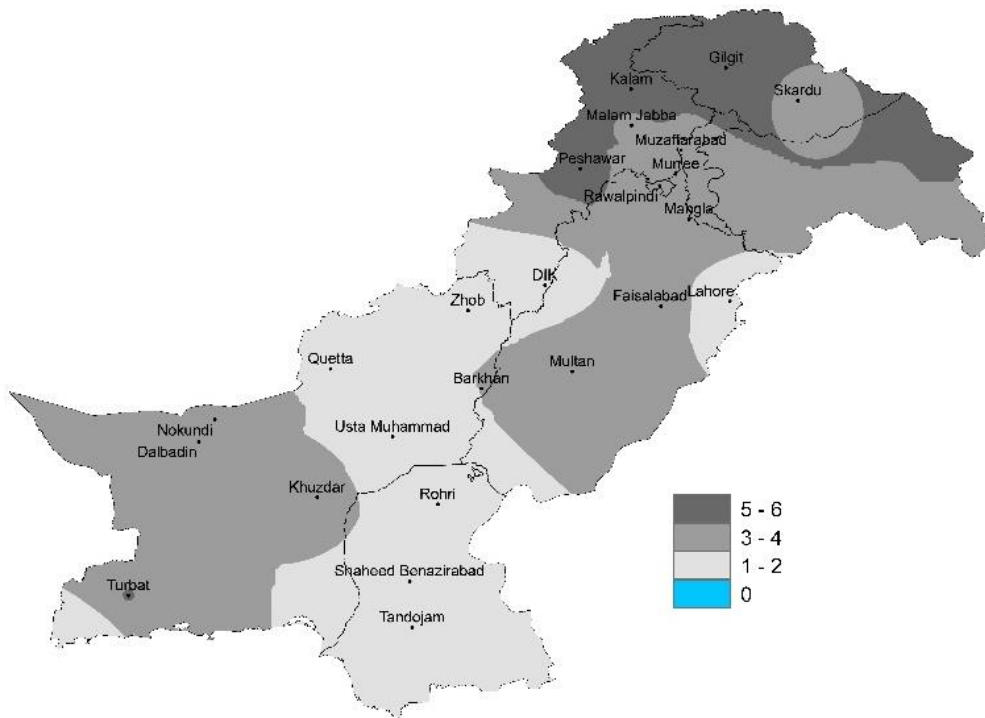
**Total Growing Degree Days accumulated during the  
Previous week (16<sup>th</sup> October 2023 – 22<sup>nd</sup> October 2023)**



Mean Cloudiness (Octas) at 0800PST during the  
Previous week (16<sup>th</sup> October 2023 – 22<sup>nd</sup> October 2023)

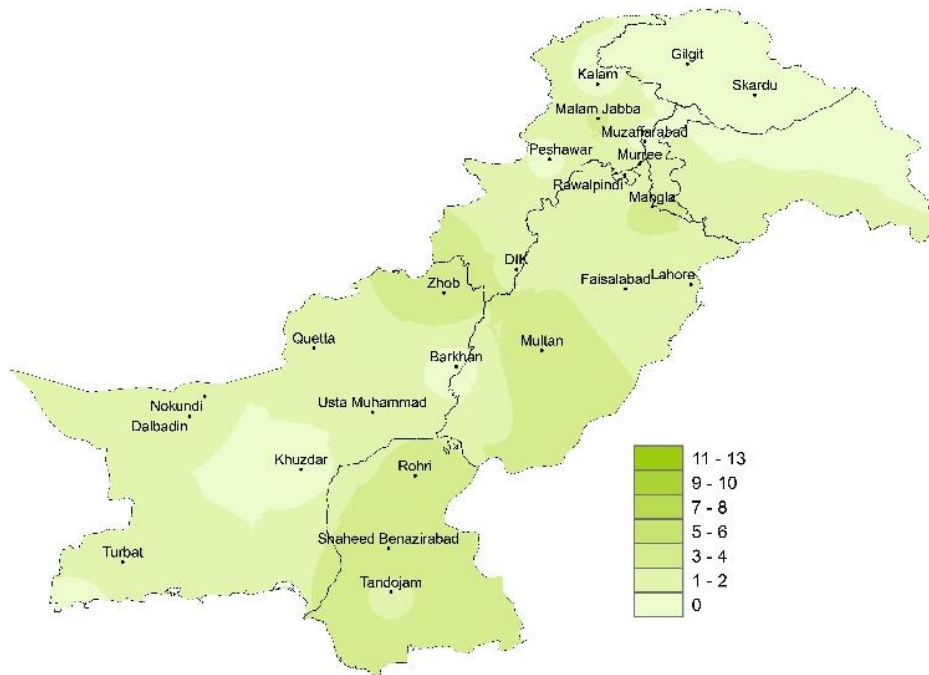


Mean Cloudiness (Octas) at 1700PST during the  
Previous week (16<sup>th</sup> October 2023 – 22<sup>nd</sup> October 2023)

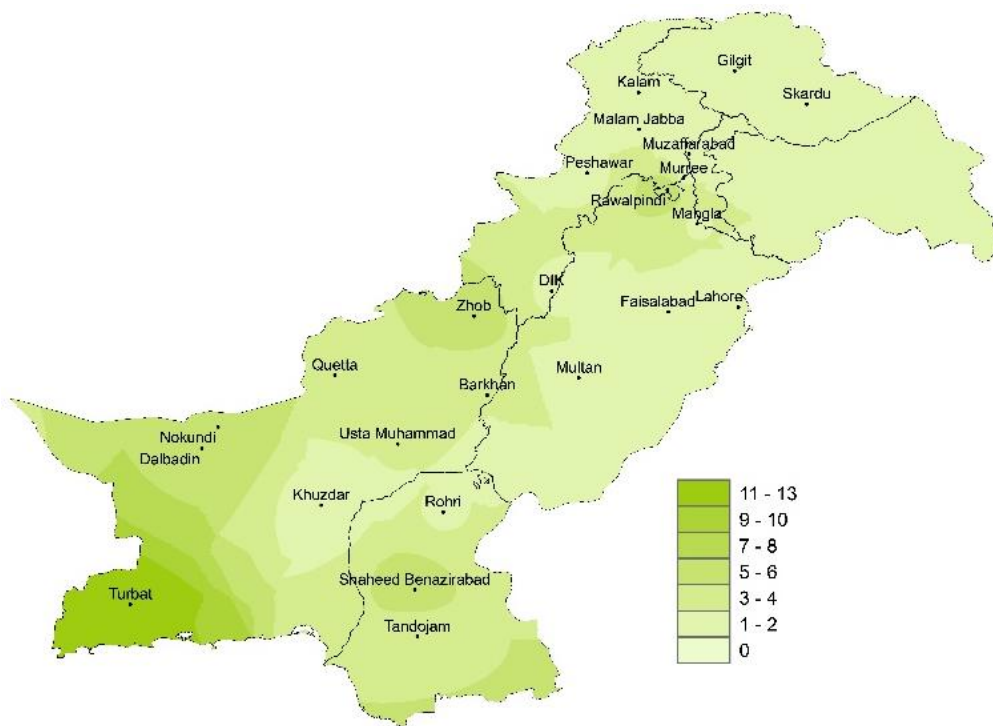




**Mean Wind Speed (Knots) at 0800PST during the  
Previous week (16th October 2023 – 22nd October 2023)**

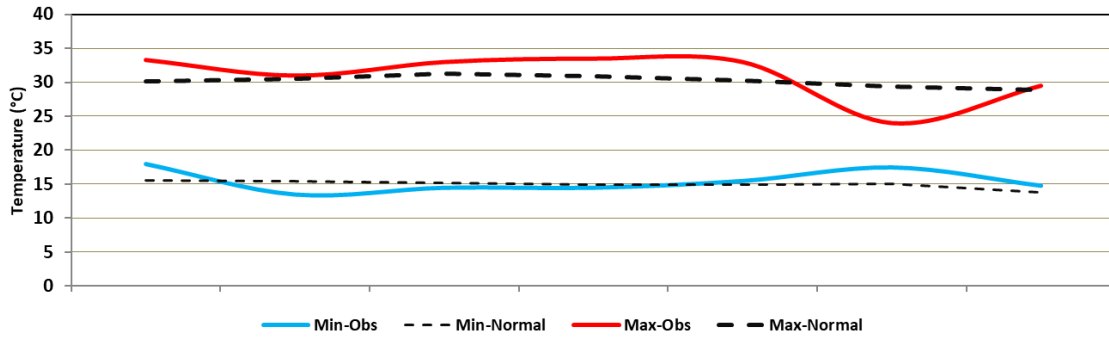


**Mean Wind Speed (Knots) at 1700PST during the  
Previous week (16th October 2023 – 22nd October 2023)**

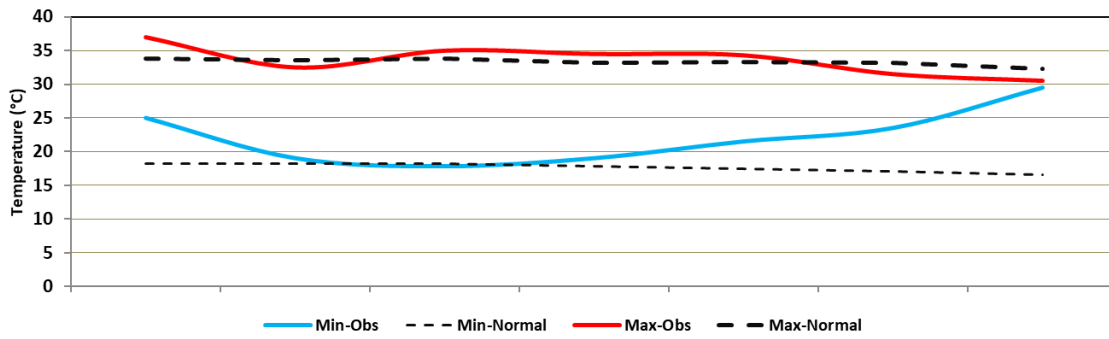


Comparison of temperatures for RAMCs (Minimum & Maximum with normal)  
during the previous week (16<sup>th</sup> October 2023 – 22<sup>nd</sup> October 2023)

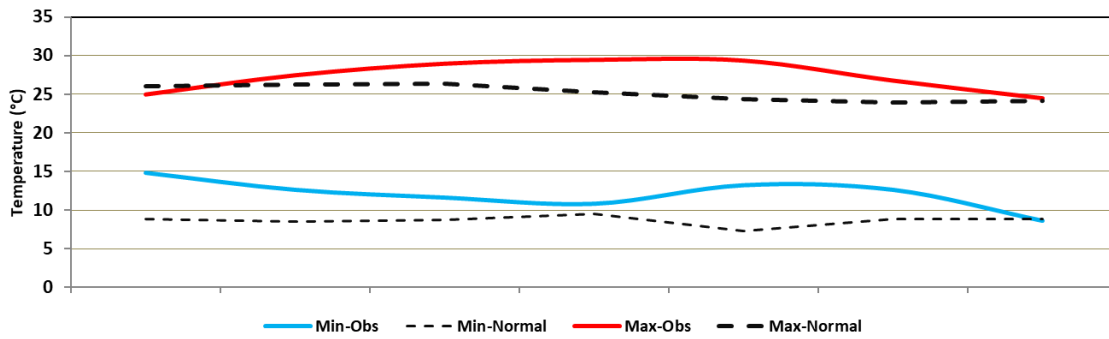
**Rawalpindi (Min & Max Temperatures)**



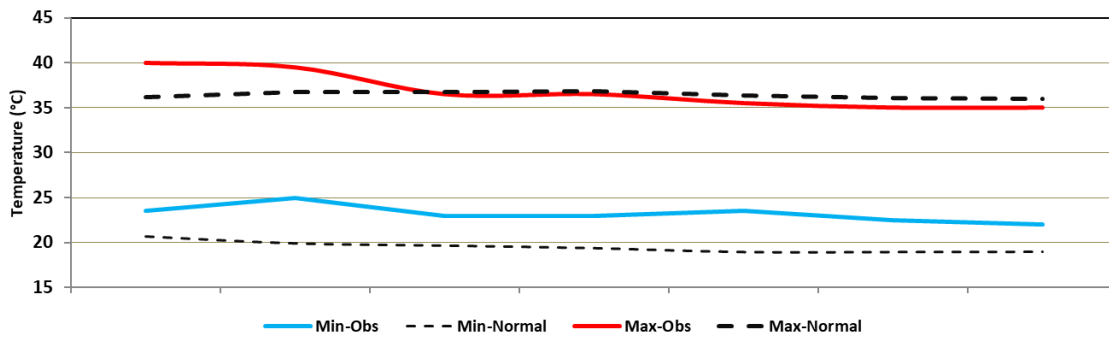
**Faisalabad (Min & Max Temperatures)**



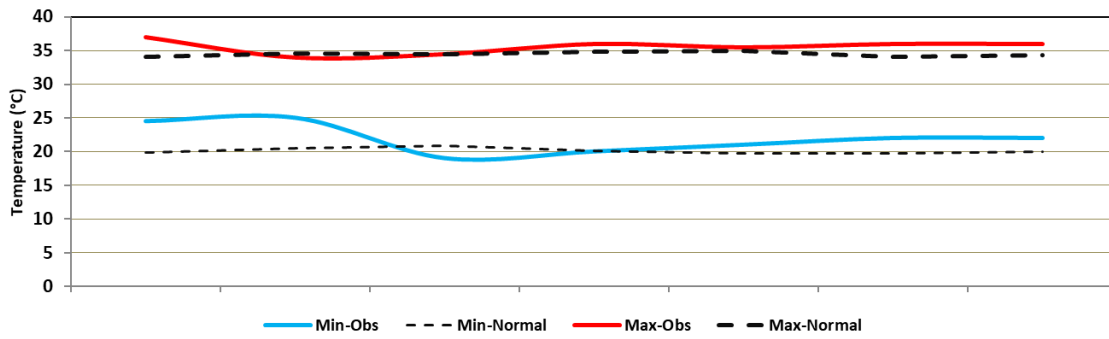
**Quetta (Min & Max Temperatures)**



**Tandojam (Min & Max Temperatures)**



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



**Weekly Weather Advisory for Farmers (23<sup>rd</sup>  
October 2023 – 29<sup>th</sup> October 2023)**

**ADVISORY FOR FARMERS**

A shallow westerly trough is present over northern parts of the country.

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

**23-10-2023**

**MONDAY**

Mainly dry weather is expected in most parts of country. However, partly cloudy weather with light rain is expected at isolated places in Gilgit Baltistan and upper Khyber Pakhtunkhwa.

**TUESDAY**

**24-10-2023**

Mainly dry weather is expected in most parts of country. However, partly cloudy weather with light rain (light snowfall over high mountains) is expected at isolated places in Gilgit Baltistan and upper Khyber Pakhtunkhwa.

**WEDNESDAY**

**25-11-2023**

Mainly dry weather is expected in most parts of the country, while cold in northern parts during night and morning hours.

**THURSDAY**

**26-11-2023**

Mainly dry weather is expected in most parts of the country, while cold in northern parts during night and morning hours.

**FRIDAY**

**27-11-2023**

Mainly dry weather is expected in most parts of the country, while cold in northern parts during night and morning hours. However, partly cloudy weather with rain is likely at isolated places in southwest Balochistan.

**SATURDAY**

**28-11-2023**

Mainly dry weather is expected in most parts of the country, while cold in northern parts during night and morning hours. However, partly cloudy weather with chances of rain at isolated places in Kashmir, Gilgit-Baltistan, north Balochistan, Khyber Pakhtunkhwa and Pothohar region.

**SUNDAY**

**29-10-2023**

Mainly dry weather is expected in most parts of the country, while cold in northern parts during night and morning hours. However, partly cloudy weather with chances of rain at isolated places in Kashmir and surrounding areas.

**National Weather Data of Selected Cities from (16<sup>th</sup> October 2023 – 22<sup>nd</sup> October 2023)**

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	18.1	16.0	130.8	73.9	19.0	1.6	1.1	1.7	1.7
Faisalabad	22.2	17.8	160.3	69.0	1.8	0.3	2.3	0.9	0.9
Gawadar	24.4	22.5	166.8	76.0	0.0	1.6	0.4	0.0	13.1
Gilgit	7.9	5.5	68.1	69.9	3.7	5.4	5.3	0.0	0.9
Kalam	0.3	-1.5	16.5	60.4	19.0	3.1	5.0	0.0	0.0
Khuzdar	13.9	10.5	116.3	31.6	23.6	0.3	3.1	0.0	0.6
Lahore	16.4	15.2	117.2	73.9	21.0	3.3	1.3	1.7	2.0
Malam Jabba	3.4	1.0	20.5	76.3	46.0	3.9	3.7	2.3	2.0
Mangla	15.5	13.3	111.7	77.0	28.6	2.6	3.0	2.3	1.7
Multan (PBO)	18.5	17.7	134.0	63.8	5.0	2.7	3.4	3.4	1.7
Murree	6.5	3.0	40.3	66.4	63.5	3.4	3.0	0.9	1.6
Muzaffarabad	11.5	10.2	84.2	75.1	72.6	4.1	3.7	0.0	0.0
Sh. Ben. Abad	23.6	22.8	176.0	61.9	0.0	1.4	0.3	3.4	5.4
Peshawar	15.2	13.0	113.8	74.5	3.7	3.0	4.4	0.3	1.4
Quetta	12.0	8.6	103.0	24.3	0.0	1.1	1.9	1.5	3.3
Rawalpindi	15.5	13.5	127.8	70.0	14.7	1.7	2.9	2.0	6.0
Rohri	22.2	21.0	157.8	62.2	0.0	2.0	0.3	3.0	1.7
Skardu	4.1	0.2	35.8	60.4	4.3	4.6	3.7	0.0	0.0
Tandojam	23.2	22.0	175.3	68.0	0.0	0.0	0.0	1.7	2.3
Usta.M	21.9	19.0	166.3	65.5	0.0	0.0	0.0	0.8	2.2
Zhob	13.4	11.0	100.3	47.1	1.0	0.3	1.4	3.1	5.3

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