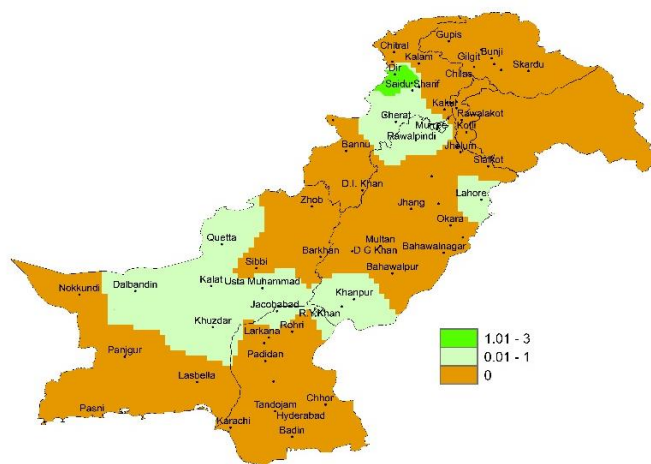


# Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the Previous Week (18<sup>th</sup> – 24<sup>th</sup> December 2023)**

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## Highlights of Past Weather (18<sup>th</sup> – 24<sup>th</sup> December 2023)

- Dry weather was reported from most parts of the country during the past week.
- Above-normal mean 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** **(18<sup>th</sup> – 24<sup>th</sup> December 2023)**

### **Punjab**

Light rainfall was reported from a few stations of Punjab Province. Highest rainfall, 1.0mm was reported from Islamabad. Weekly maximum and minimum temperatures recorded as 22.1°C & 5.9°C respectively. For the recent week on average 63.2 growing degree days were accumulated. Average relative humidity recorded as 61% and wind speed in the morning/evening recorded as 0.7/1.3 Knots. The lowest minimum temperature was recorded as -1.0°C at Murree.

### **Baluchistan**

Light rainfall was reported from some stations of the province. Highest rainfall 1.00mm was reported from Dalbadin and Kalat. Weekly maximum and minimum temperatures recorded as 23.6°C & 5.8°C respectively. For the recent week on average 67.7 growing degree days were accumulated. Average relative humidity recorded 46% and wind speed in the morning/evening recorded as 1.1/3.1 Knots. The lowest minimum temperature recorded as -5.0°C at Kalat.

### **Khyber Pakhtunkhwa**

Light rainfall was reported from few stations of Khyber Pakhtunkhwa. Highest rainfall 2.0mm was reported from Dir and Lower Dir. Weekly maximum and minimum temperatures recorded as 18.7°C & 3.2°C respectively. For the recent week on average 41.7 growing degree days were accumulated. Average relative humidity recorded as 69% and wind speed in the morning/evening recorded as 1.1/0.9 Knots. During the previous week the lowest minimum temperature recorded as -5.5 °C at Kalam.

### **Sindh**

Light rainfall reported from the province. Highest rainfall 0.01 (trace)mm was reported from Jacobabad. Weekly maximum and minimum temperatures recorded as 25.2°C & 9.2°C respectively. For the recent week, on average 86.6 growing degree days were accumulated. Average relative humidity recorded as 64% and wind speed

in the morning/evening recorded as 1.5/3.3 Knots. During the previous week the lowest minimum temperature recorded as 2.0°C at Mohenjo Daro.

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

Dry weather reported from Gilgit Baltistan and Kashmir. Weekly maximum and minimum temperatures recorded as 13.9°C & -0.9°C respectively. For the recent week on average 18.6 growing degree days were accumulated. Average relative humidity recorded as 65%. and wind speed recorded in the morning/evening as 0.2/0.1. The lowest minimum temperature recorded as -8.7°C at Skardu.

**Past Weather for Major Agricultural Plains****(18<sup>th</sup> – 24<sup>th</sup> December 2023)****Rawalpindi (Potohar region)**

Rainfall reported as 0.02mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 3.0/3.5 Oktas while, average relative humidity observed as 73%. Mean minimum time temperature was recorded as 2.6°C and for the recent week 53.5 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.0/0.6 Knots. The lowest minimum temperature was recorded as 1.0°C.

**Faisalabad (Central Punjab)**

Dry weather reported from Faisalabad during the week; however, cloudiness in the morning/evening recorded 1.3/2.0 Oktas while, average relative humidity observed as 74%. Mean minimum time temperature recorded 6.3°C & for the recent week 68.2 growing degree days accumulated. Calm Wind speed recorded in the morning/evening. The lowest minimum temperature was recorded as 5.2°C.

**Tandojam (Lower Sindh)**

Dry weather reported from Tandojam during the week; however, cloudiness in the morning/evening recorded 1.5/1.1 Oktas while, average relative humidity observed as 69%. Mean minimum time temperature recorded as 9.6°C & for the recent week 83.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/0.1 Knots. Lowest minimum temperature was recorded as 9.0°C.

**Usta Muhammad (Eastern Baluchistan)**

Rainfall reported as 0.01 (trace) mm from Usta Muhammad during the week; however, cloudiness in the morning/evening recorded as 1.5/2.2 Oktas, average relative humidity observed as 65%. Mean minimum time temperature recorded as 4.9°C & for the recent week 67.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.5/1.4 Knots. The lowest minimum temperature was recorded as 4.0°C.

**Quetta (Northern Baluchistan)**

Rainfall reported as 0.01 (trace)mm from Quetta during the week; however, cloudiness in the morning/evening recorded as 1.3/2.0 Oktas while, average relative humidity observed as 34%. Mean minimum time temperature recorded as 0.9°C & for the recent week 35.0 growing degree days

accumulated. Wind speed recorded in the morning/evening as 2.2/2.6 Knots. The lowest minimum temperature was recorded as -2.5°C.

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**Past Weather for Sub-Regional Agricultural Plains (18<sup>th</sup> – 24<sup>th</sup> December 2023)****Multan**

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 1.3/1.7 Oktas. Average relative humidity observed as 71%. Mean minimum time temperature recorded as 5.9°C & for the recent week 64.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.6 Knots.

**Lahore**

Rainfall Trace (0.01mm) was reported from Lahore during the week; however, cloudiness in the morning/evening recorded as 1.3/1.7 Oktas, average relative humidity observed as 72%. Mean minimum time temperature recorded as 5.4°C & for the recent week 56.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.7/0.3 Knots.

**Zhob**

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 1.0/1.1 Oktas. Average relative humidity observed as 40%. Mean minimum time temperature recorded as -0.1°C & for the recent week 23.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.7/4.0 Knots.

**Murree**

Dry weather was reported from Murree during the week; however, cloudiness in the morning/evening recorded as 2.5/2.7 Oktas while, average relative humidity observed as 41%. Mean minimum time temperature recorded as -0.2°C & for the recent week 21.2 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.3/2.0 Knots.

**D.I. Khan**

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 0.8/1.1 Oktas. Average relative humidity observed as 74.4%. Mean minimum time

temperature recorded as 5.9°C & for the recent week 67.0 growing degree days accumulated. Wind speed recorded as calm in the morning/evening.

#### **Peshawar**

Rainfall reported as 0.01 (trace)mm from Peshawar during the week; however, cloudiness in the morning/evening recorded as 3.1/3.6 Oktas while, average relative humidity observed as 72%. Mean minimum time temperature was recorded as 3.6°C & for the recent week 61.2 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

#### **Kalam**

Dry weather reported from Kalam during the week; however, cloudiness in the morning/evening recorded as 1.3/4.1 Oktas while, average relative humidity observed as 56%. Mean minimum time temperature recorded as -4.5°C. Calm wind recorded in the morning/evening.

#### **Gilgit**

Dry weather reported from Gilgit during the week, cloudiness in the morning/evening recorded as 4.3/4.4 Oktas while, average relative humidity observed as 67%. Mean minimum time temperature recorded as -4.3°C. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

#### **Skardu**

Dry weather reported from Skardu during the week; however, cloudiness in the morning/evening recorded as 4.1/2.6 Oktas while, average relative humidity observed as 56%. Mean minimum time temperature recorded as -7.5°C. Calm wind recorded in the morning/evening.

### **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: Tillering. Condition: *Very good*.

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

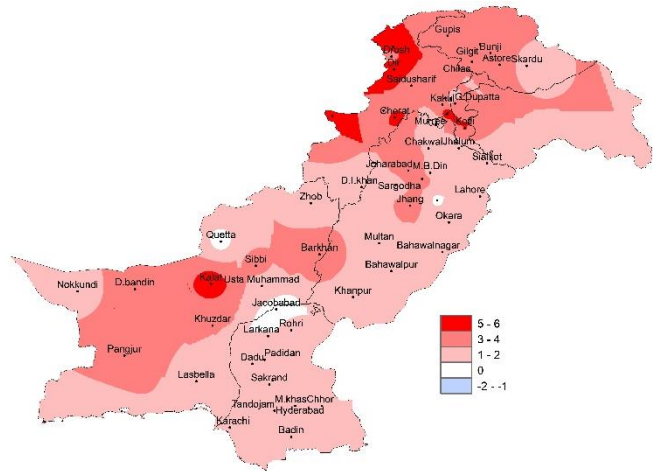
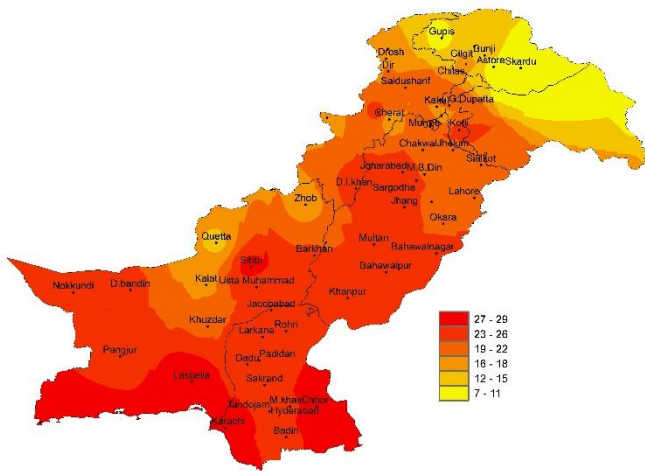
Wheat crop is sown in the fields. Date of sowing 26-11-2023. Variety:TJ83. Phonological Stage: Heading. Condition: *Good*

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

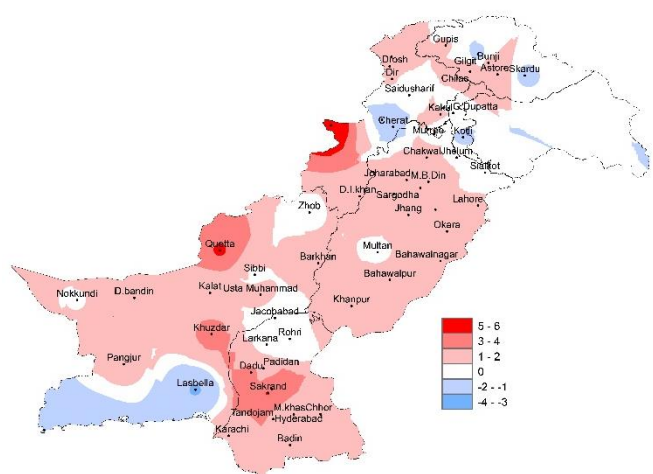
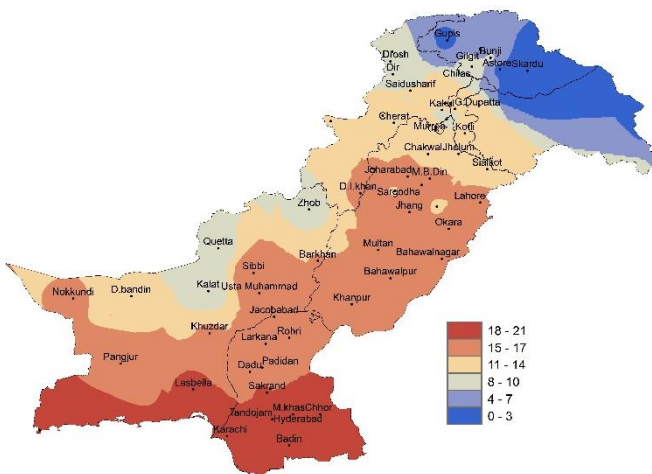
Wheat crop is sown in the fields of RAMC Quetta. Date of sowing 22-11-2023. Phonological Stage: 3<sup>rd</sup> Leaf. Condition: *Good*

**Eastern Baluchistan (Usta Muhammad)** Rice crops are grown in the fields. Phonological Stage: Threshing. Condition: *Good*.

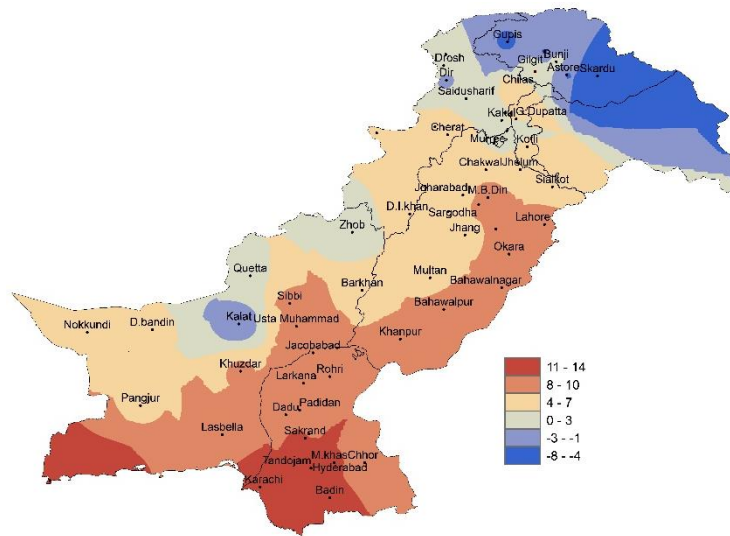
**Actual & Departure of Maximum temperature (°C) for the Previous week (18<sup>th</sup> – 24<sup>th</sup> December 2023)**



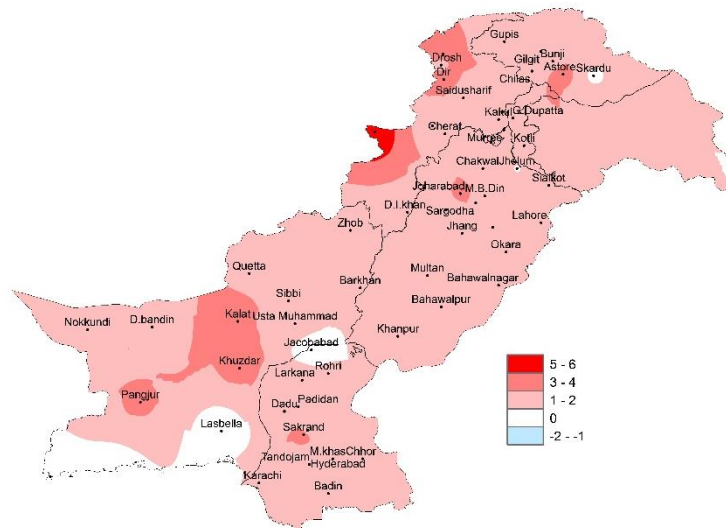
**Actual & Departure of Mean temperature (°C) for the Previous week (18<sup>th</sup> – 24<sup>th</sup> December 2023)**



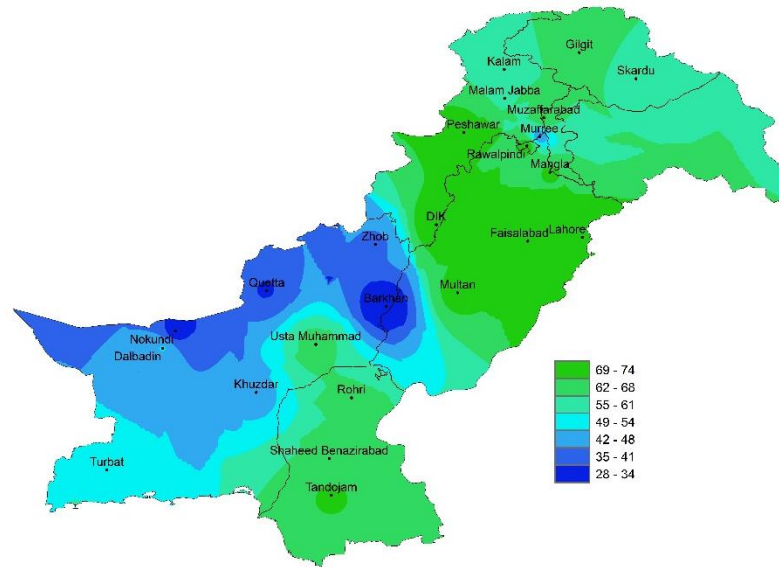
**Actual Minimum temperature (°C) during the  
Previous week (18<sup>th</sup> – 24<sup>th</sup> December 2023)**



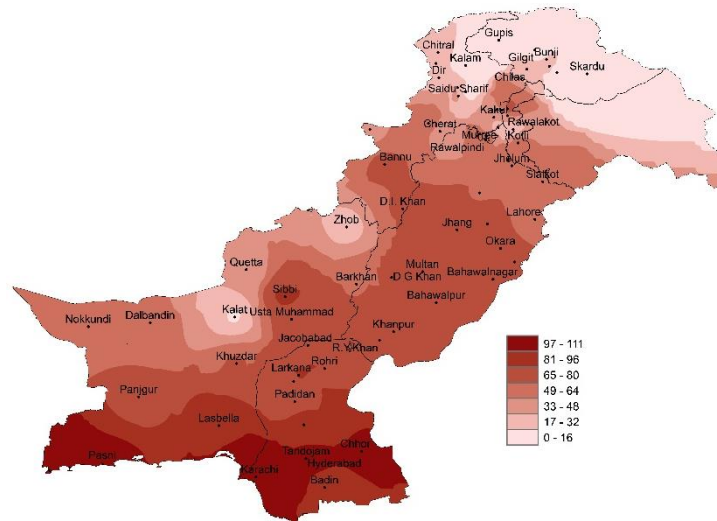
**Departure of Minimum temperature (°C) during the  
Previous week (18<sup>th</sup> – 24<sup>th</sup> December 2023)**



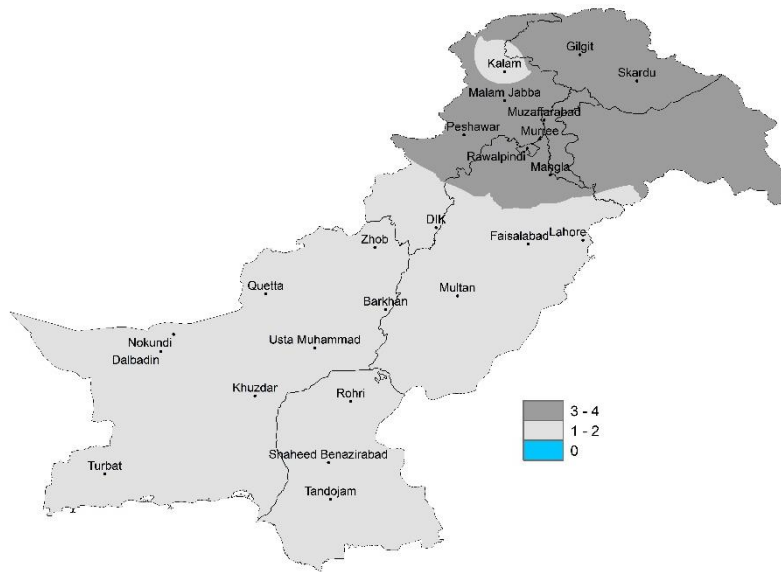
**Mean Relative Humidity (%) during the  
Previous week (18<sup>th</sup> – 24<sup>th</sup> December 2023)**



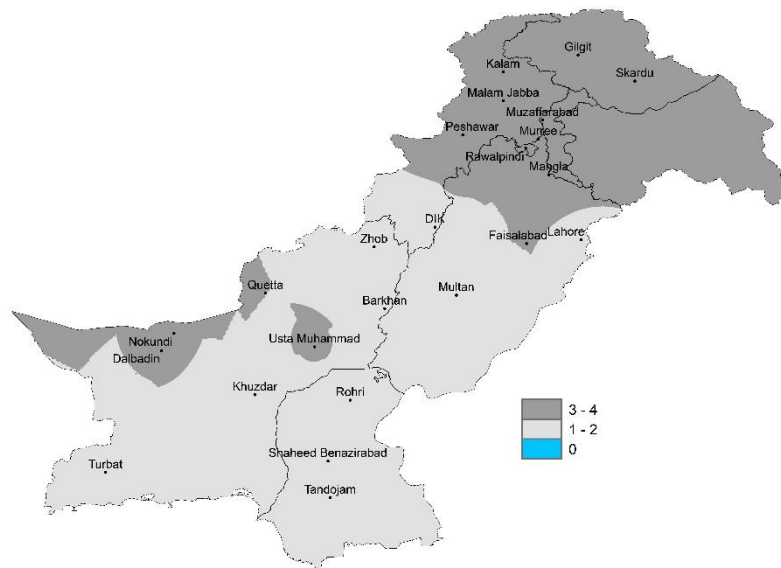
**Total Growing Degree Days accumulated during the  
Previous week (18<sup>th</sup> – 24<sup>th</sup> December 2023)**



Mean Cloudiness (Octas) at 0800PST during the  
Previous week (18<sup>th</sup> – 24<sup>th</sup> December 2023)

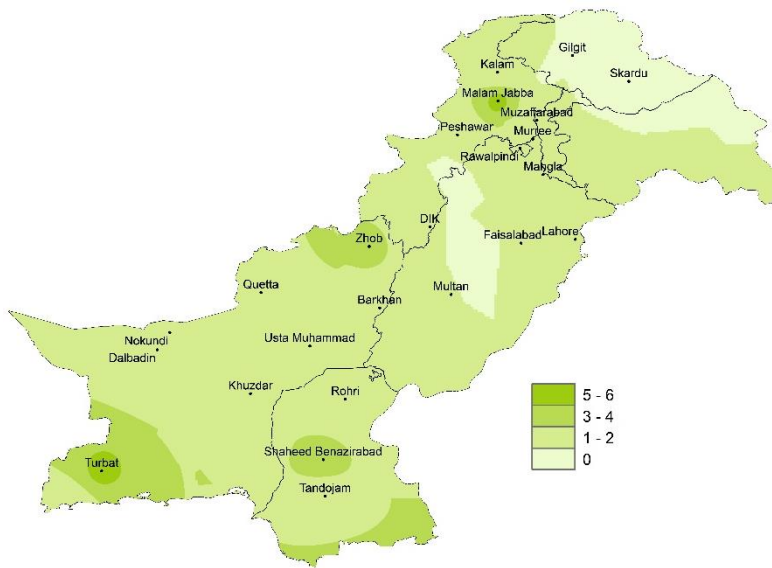


Mean Cloudiness (Octas) at 1700PST during the  
Previous week (18<sup>th</sup> – 24<sup>th</sup> December 2023)

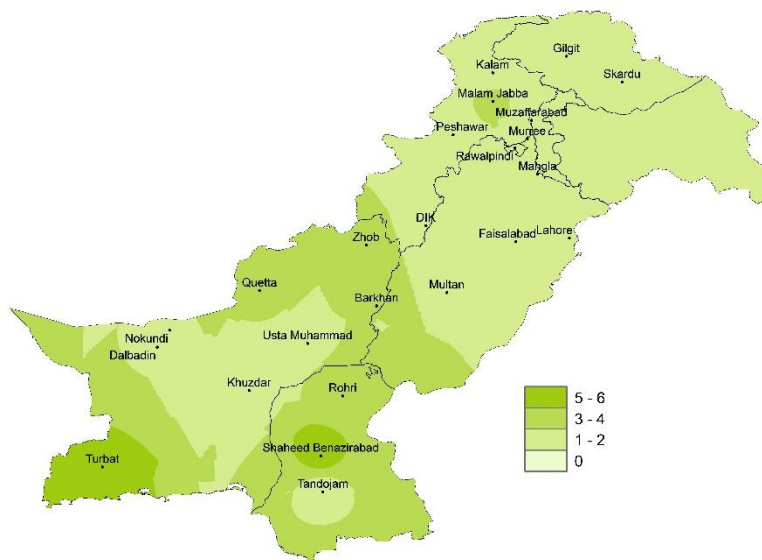




**Mean Wind Speed (Knots) at 0800PST during the  
Previous week (18<sup>th</sup> – 24<sup>th</sup> December 2023)**

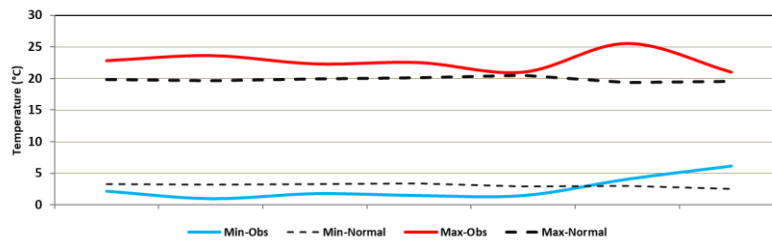


**Mean Wind Speed (Knots) at 1700PST during the  
Previous week (18<sup>th</sup> – 24<sup>th</sup> December 2023)**

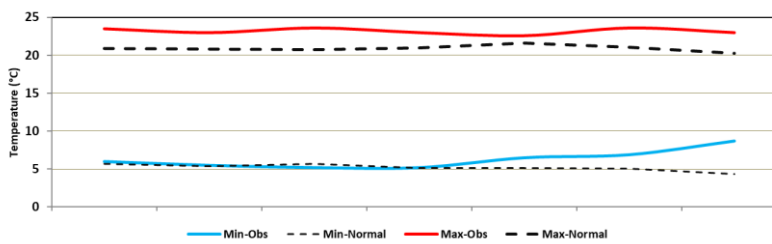


Comparison of temperatures for RAMCs (Minimum & Maximum with normal)  
during the previous week (18<sup>th</sup> – 24<sup>th</sup> December 2023)

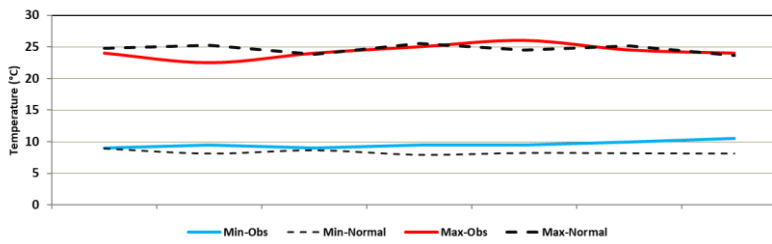
Rawalpindi (Min & Max Temperatures)



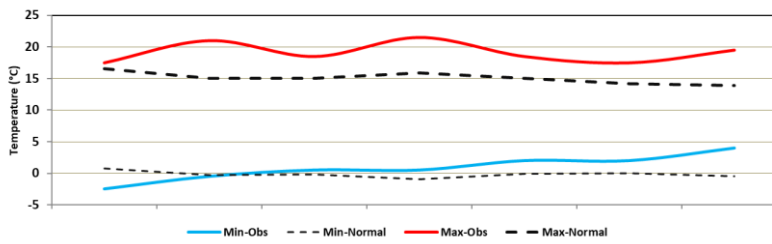
Faisalabad (Min & Max Temperatures)



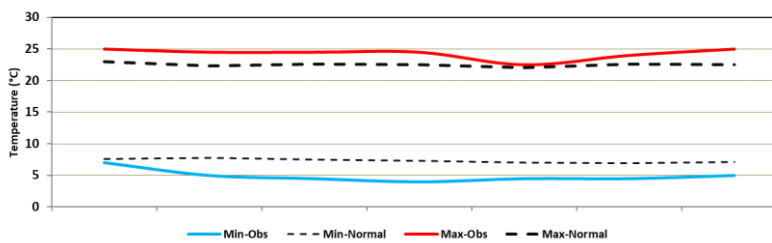
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



**Weekly Weather Advisory for Farmers (26<sup>th</sup>–31<sup>st</sup> December 2023)**

Continental air is prevailing over most parts of the country.

**26-12-2023****TUESDAY**

Mainly cold and dry weather is expected in most parts, while very cold and partly cloudy in northern parts of the country. Dense fog/smog is likely to persist in plain areas of Punjab. Fog/smog may also occur in plain areas of Khyber-Pakhtunkhwa and upper Sindh during night.

**WEDNESDAY****27-12-2023**

Mainly cold and dry weather is expected in most parts of the country, while very cold and partly cloudy in northern parts/northern Balochistan. Dense fog/smog is likely to persist in plain areas of Punjab. Fog/smog may also occur in plain areas of Khyber-Pakhtunkhwa and upper Sindh during night and morning. Frost may occur at few places in Pothohar region and Kashmir during morning.

**THURSDAY****28-12-2023**

Mainly cold and partly cloudy weather is expected in most plain areas of the country, While very cold in upper districts. Fog/smog is likely in upper Sindh, plain areas of Punjab and Khyber Pakhtunkhwa during morning and night.

**FRIDAY****29-12-2023**

Mainly cold and dry weather is expected in most plain areas of the country, while very cold in upper parts. Dense fog/smog is likely to persist in plain areas of Punjab. Fog/smog may also occur in plain areas of Khyber-Pakhtunkhwa and upper Sindh during night and morning. Frost may occur at few places in Pothohar region and Kashmir during morning hours.

**SATURDAY****30-12-2023**

Mainly cold and dry weather is expected in most plain areas of the country, while very cold & cloudy in upper parts. Rain (snow over mountains) is expected in Gilgit-Baltistan, upper Khyber-Pakhtunkhwa, Kashmir and adjoining areas. Fog/smog is likely to persist in upper Sindh, plain areas of Punjab and Khyber Pakhtunkhwa during morning and night.

**SUNDAY****31-12-2023**

Mainly cold and dry weather is expected in most plain areas of the country, while very cold & cloudy in upper parts. Rain (snow over mountains) is expected in Gilgit-Baltistan, upper Khyber-Pakhtunkhwa, Kashmir and adjoining areas. Fog/smog is likely to persist in upper Sindh, plain areas of Punjab and Khyber Pakhtunkhwa during morning and night.

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

Mainly cold and dry weather is expected in most plain areas of the country, while very cold in upper parts. Dense fog/smog is likely to persist in plain areas of Punjab. Fog/smog may also occur in plain areas of Khyber-Pakhtunkhwa and upper Sindh during night and morning.

**ADVISORY FOR FARMERS**

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

**National Weather Data of Selected Cities from (18<sup>th</sup> – 24<sup>th</sup> December 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	5.9	1.0	67.0	74.4	0.0	0.8	1.1	0.0	0.0
Faisalabad	6.3	5.2	68.2	74.0	0.0	1.3	2.0	0.0	0.0
Gawadar	13.1	12.5	109.1	54.5	0.0	0.4	0.0	0.6	5.4
Gilgit	-4.3	-5.5	0.0	66.7	0.0	4.3	4.4	0.0	0.3
Kalam	-4.5	-5.5	0.0	55.6	0.0	1.3	4.1	0.0	0.0
Khuzdar	7.3	6.5	66.0	44.9	0.0	0.7	0.6	0.0	0.0
Lahore	5.4	4.9	56.5	72.1	0.0	1.3	1.7	0.7	0.3
Malam Jabba	0.1	-1.5	0.0	60.7	0.0	3.3	2.6	4.6	3.1
Mangla	4.5	3.3	60.5	68.8	0.0	2.5	2.7	0.7	0.3
Multan (PBO)	5.9	5.0	64.6	70.8	0.0	1.3	1.7	0.0	1.7
Murree	-0.2	-1.0	21.2	41.4	0.0	2.5	2.7	1.3	2.0
Muzaffarabad	3.6	2.6	40.0	68.2	0.0	2.3	2.9	0.0	0.0
Sh. Ben. Abad	9.4	8.5	86.3	61.5	0.0	1.3	0.9	3.1	6.0
Peshawar	3.6	2.5	61.2	72.2	0.0	3.1	3.6	0.0	0.3
Quetta	0.9	-2.5	35.0	34.0	0.0	1.3	2.0	2.2	2.6
Rawalpindi	2.6	1.0	53.5	72.5	0.0	3.0	3.5	0.0	0.6
Rohri	8.9	7.0	79.5	62.1	0.0	0.4	0.4	0.0	3.7
Skardu	-7.5	-8.7	0.0	55.6	0.0	4.1	2.6	0.0	0.0
Tandojam	9.6	9.0	83.5	68.8	0.0	1.5	1.1	1.4	0.1
U.Muhammad	4.9	4.0	67.3	64.5	0.0	1.5	2.2	0.5	1.4
Zhob	-0.1	-2.0	23.8	39.9	0.0	1.0	1.1	2.7	4.0

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