

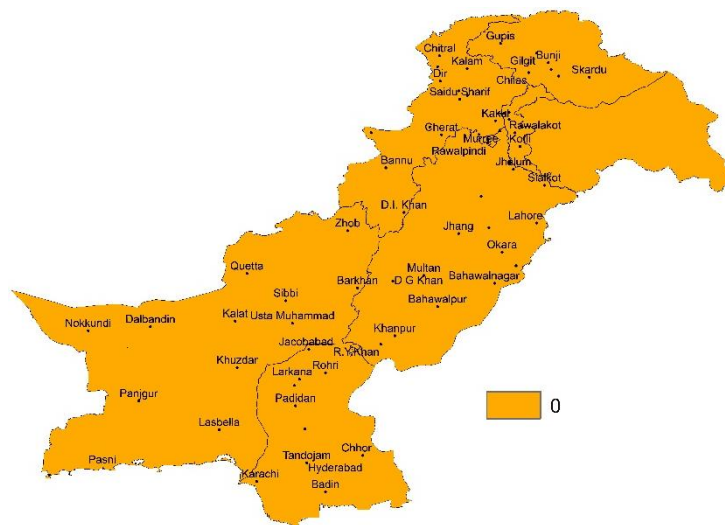
# Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the Previous  
Week (04<sup>th</sup> – 10<sup>th</sup> December 2023)**



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## Highlights of Past Weather (04<sup>th</sup> – 10<sup>th</sup> December 2023)

- Dry weather was reported throughout 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  
(04<sup>th</sup> – 10<sup>th</sup> December 2023)****Punjab**

Dry weather reported from Punjab Province throughout the last week. Weekly maximum and minimum temperatures recorded as 23.9°C & 8.1°C respectively. For the recent week on average 77 growing degree days were accumulated. Average relative humidity recorded as 63% and wind speed in the morning/evening recorded as 0.3/0.5 Knots. The lowest minimum temperature was recorded as 1.8°C at Murree.

**Baluchistan**

Dry weather was reported from the province. Weekly maximum and minimum temperatures recorded as 24.6°C & 6.6°C respectively. For the recent week on average 74.1 growing degree days were accumulated. Average relative humidity recorded 36% and wind speed in the morning/evening recorded as 2.1/3.0 Knots. The lowest minimum temperature recorded as -3.5°C at Kalat.

**Khyber Pakhtunkhwa**

Dry weather reported from Khyber Pakhtunkhwa. Weekly maximum and minimum temperatures recorded as 19.8 °C & 4.3°C respectively. For the recent week on average 49.3 growing degree days were accumulated. Average relative humidity recorded as 67% and wind speed in the morning/evening recorded as 0.5/1.2 Knots. During the previous week the lowest minimum temperature recorded as -5.0 °C at Kalam.

**Sindh**

Dry weather was reported from the province. Weekly maximum and minimum temperatures recorded as 27.4°C & 11.8°C respectively. For the recent week, on average 102.0 growing degree days were accumulated. Average relative humidity recorded as 65% and wind speed in the morning/evening recorded as 1.5/3.4 Knots. During the previous week the lowest minimum temperature recorded as 6.5 °C at Mithi.

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

Dry weather was reported from Gilgit Baltistan along with the adjoining areas of Kashmir. Weekly maximum and minimum temperatures recorded as 15.6°C & 0.3°C respectively. For the recent week on average 24.9 growing degree days were accumulated. Average relative humidity recorded as 66%. Calm wind recorded in the morning/evening. The lowest minimum temperature recorded as -8.2°C at Skardu.

### **Past Weather for Major Agricultural Plains (04<sup>th</sup> – 10<sup>th</sup> December 2023)**

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

Dry weather reported from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 0.3/1.1 Oktas while, average relative humidity observed as 75%. Mean minimum time temperature was recorded as 4.2°C and for the recent week 64.1 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.0/0.9 Knots. The lowest minimum temperature was recorded as 2.5°C.

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

Dry weather reported from Faisalabad during the week; however, cloudiness in the morning/evening recorded as 0.7/0.0 Oktas while, average relative humidity observed as 73%. Mean minimum time temperature recorded as 8.2°C & for the recent week 80.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.6 Knots. The lowest minimum temperature was recorded as 6.9°C.

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

Dry weather reported from Tandojam during the week; however, clear sky was reported, while average relative humidity observed as 66%. Mean minimum time temperature recorded as 13°C & for the recent week 106.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/2.0 Knots. Lowest minimum temperature was recorded as 12.5°C.

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

Dry weather reported from Usta Muhammad during the week; however, cloudiness in the morning/evening recorded as 0.5/0.7 Oktas, average relative humidity observed as 69%. Mean minimum time temperature recorded as 9.2°C & for the recent week 84.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.2/0.2 Knots. The lowest minimum temperature was recorded as 8.0°C.

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

Dry weather reported from Quetta during the week; however, cloudiness in the morning/evening recorded as 0.7/0.9 Oktas while, average relative humidity observed as 33.3%. Mean minimum time temperature recorded as 0.7°C & for the recent week 26.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.5/2.4

Knots. The lowest minimum temperature was recorded as -0.5°C.

### **Past Weather for Sub-Regional Agricultural Plains (04<sup>th</sup> – 10<sup>th</sup> December 2023)**

#### **Multan**

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 0.3/0.7 Oktas. Average relative humidity observed as 68%. Mean minimum time temperature recorded as 9.0°C & for the recent week 84.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.6 Knots.

#### **Lahore**

Dry weather reported from Lahore during the week; however, cloudiness in the morning/evening recorded as 0.6/0.4 Oktas, average relative humidity observed as 72%. Mean minimum time temperature recorded as 9.7°C & for the recent week 80.9 growing degree days accumulated. Calm Wind recorded in the morning/evening.

#### **Zhob**

Dry weather reported from Zhob during the week; however, clear sky was reported while, average relative humidity observed as 34%. Mean minimum time temperature recorded as 2.2°C & for the recent week 41.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.1/3.9 Knots.

#### **Murree**

Dry weather reported from Murree during the week; however, cloudiness in the morning/evening recorded as 0.4/0.9 Oktas while, average relative humidity observed as 48%. Mean minimum time temperature recorded as 3.1°C & for the recent week 26.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.9/0.9 Knots.

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

Dry weather reported from DI Khan during the week; however, clear sky was reported, while average relative humidity observed as 76%. Mean minimum time temperature recorded as 9.4°C & for the recent week 85.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/1.1 Knots.

**Peshawar**

Dry weather was reported from Peshawar during the week; however, cloudiness in the morning/evening recorded as 0.3/1.0 Oktas while, average relative humidity observed as 80%. Mean minimum time temperature was recorded as 4.9°C & for the recent week 61.1 growing degree days accumulated. Wind recorded as 0.0/0.9 Knots in the morning/evening.

**Kalam**

Dry weather reported from Kalam during the week; however, cloudiness in the morning/evening recorded as 0.6/1.9 Oktas while, average relative humidity observed as 55%. Mean minimum time temperature recorded as -3.5 °C & for the recent week 6.3 growing degree days accumulated. Calm wind recorded in the morning/evening.

**Gilgit**

Dry weather reported from Gilgit during the week, cloudiness in the morning/evening recorded as 1.7/1.9 Oktas while, average relative humidity observed as 61%. Mean minimum time temperature recorded as -3.3°C & for the recent week 10.2 growing degree days accumulated. Calm wind recorded in the morning/evening.

**Skardu**

Dry weather reported from Skardu during the week; however, cloudiness in the morning/evening recorded as 1.3/1.1 Oktas while, average relative humidity observed as 55%. Mean minimum time temperature recorded as -7.3°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: 3<sup>rd</sup> leaf completed. Condition: *Very good*.

**Lower Sindh (Tandojam)**

Wheat crop is sown in the fields. Date of sowing 26-11-2023. Variety:TJ83. Phonological Stage: 3<sup>rd</sup> True leaf. Condition: *Good*

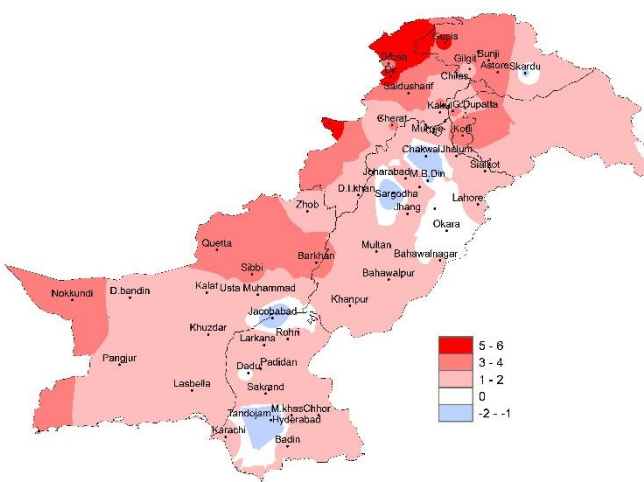
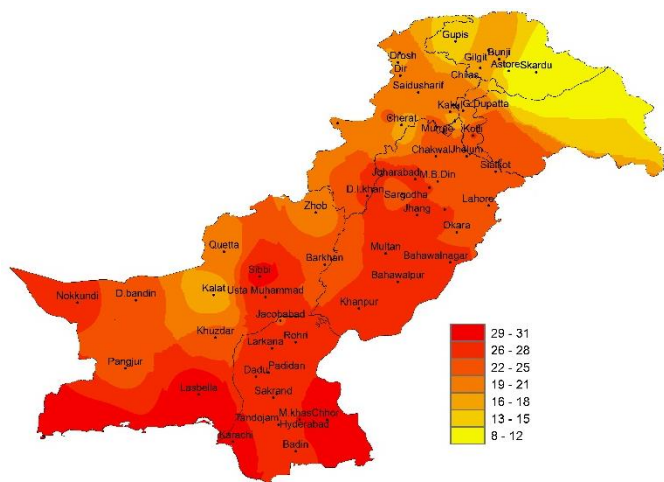
**Northern Baluchistan (Quetta)**

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*

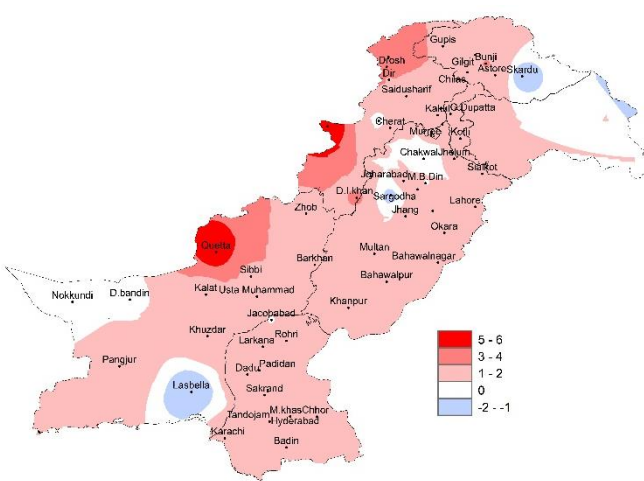
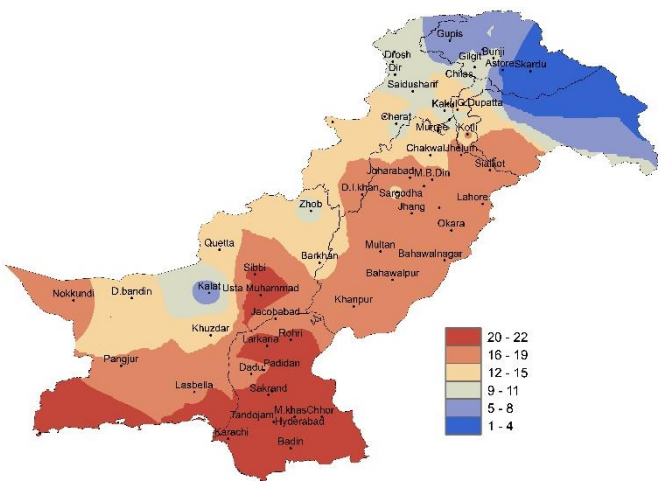
**Eastern Baluchistan (Usta Muhammad)** Rice crops are grown in the fields. Condition: good.

Stage: *Harvesting*.

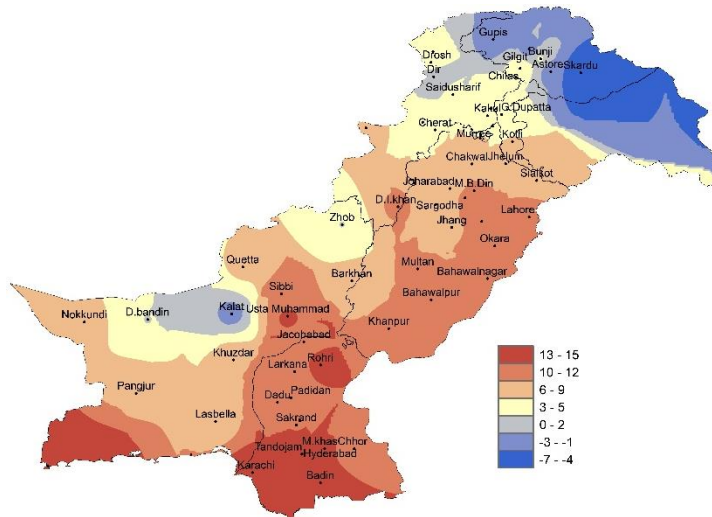
**Actual & Departure of Maximum temperature (°C) for the Previous week (04<sup>th</sup> – 10<sup>th</sup> December 2023)**



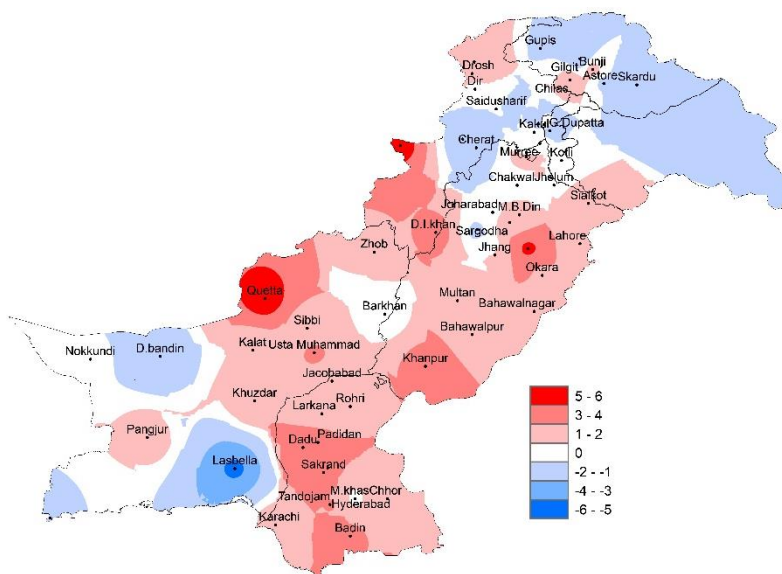
**Actual & Departure of Mean temperature (°C) for the Previous week (04<sup>th</sup> – 10<sup>th</sup> December 2023)**



**Actual Minimum temperature (°C) during the Previous week (04<sup>th</sup> – 10<sup>th</sup> December 2023)**



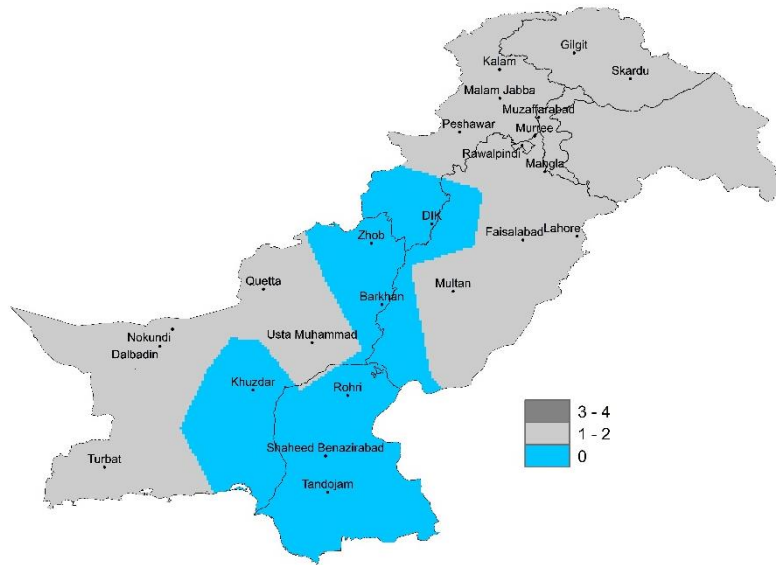
**Departure of Minimum temperature (°C) during the Previous week (04<sup>th</sup> – 10<sup>th</sup> December 2023)**



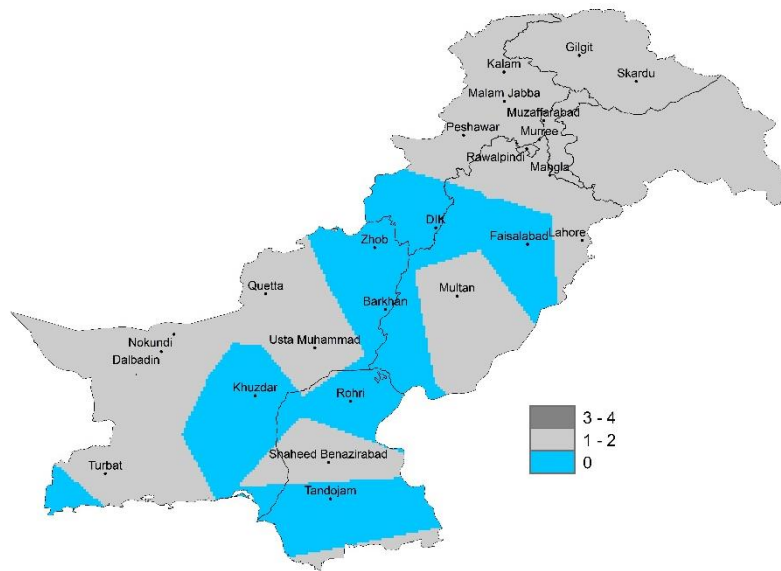




Mean Cloudiness (Octas) at 0800PST during the  
Previous week (04<sup>th</sup> – 10<sup>th</sup> December 2023)

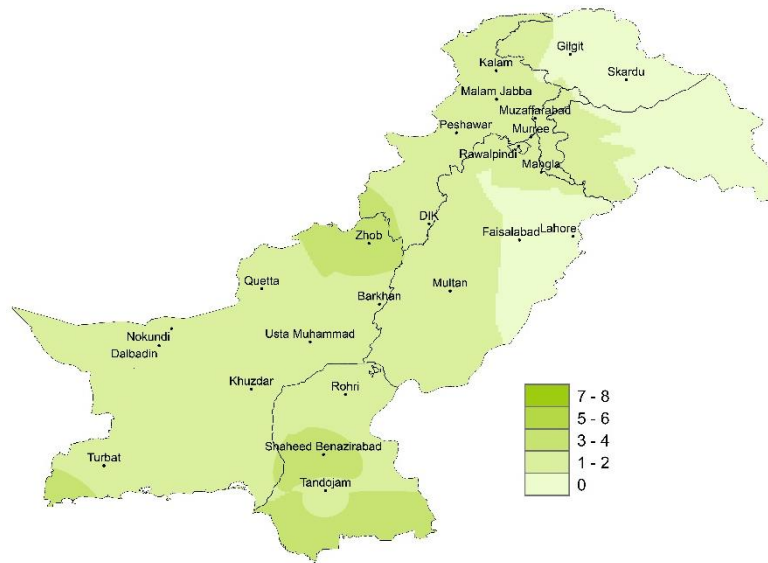


Mean Cloudiness (Octas) at 1700PST during the  
Previous week (04<sup>th</sup> – 10<sup>th</sup> December 2023)

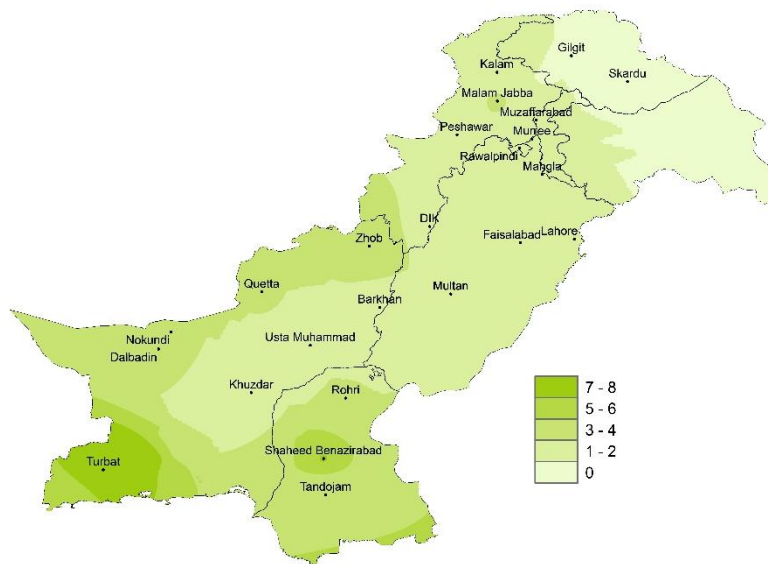




**Mean Wind Speed (Knots) at 0800PST during the  
Previous week (04<sup>th</sup> – 10<sup>th</sup> December 2023)**

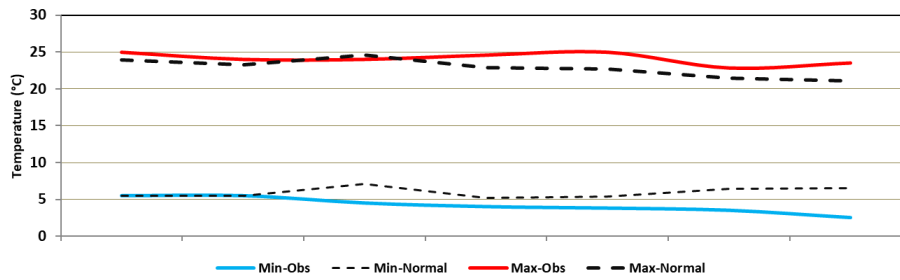


**Mean Wind Speed (Knots) at 1700PST during the  
Previous week (04<sup>th</sup> – 10<sup>th</sup> December 2023)**

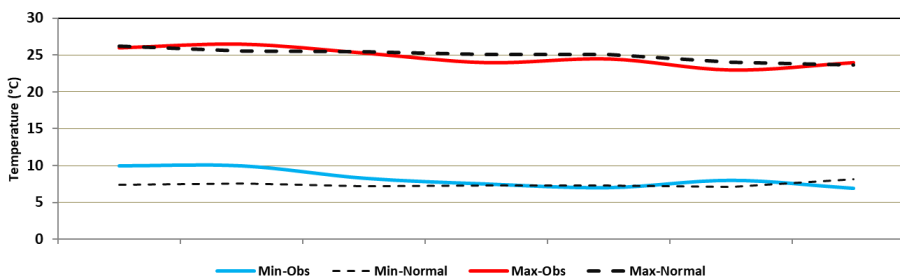


Comparison of temperatures for RAMCs (Minimum & Maximum with normal)  
during the previous week (04<sup>th</sup> – 10<sup>th</sup> December 2023)

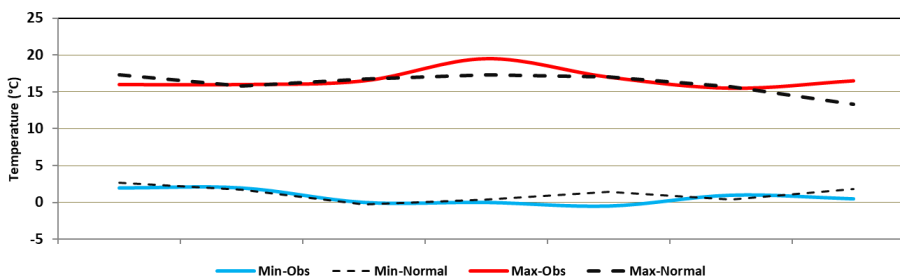
Rawalpindi (Min & Max Temperatures)



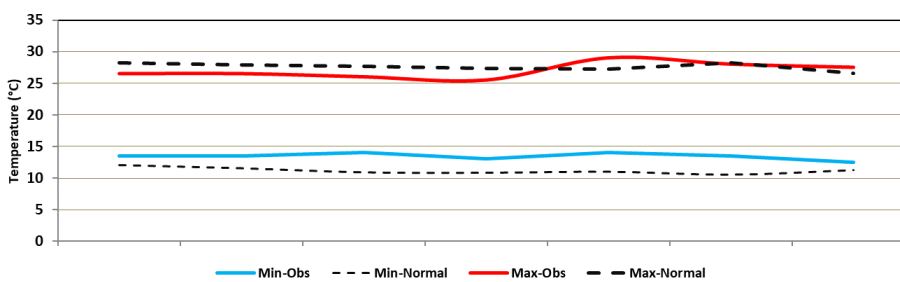
Faisalabad (Min & Max Temperatures)



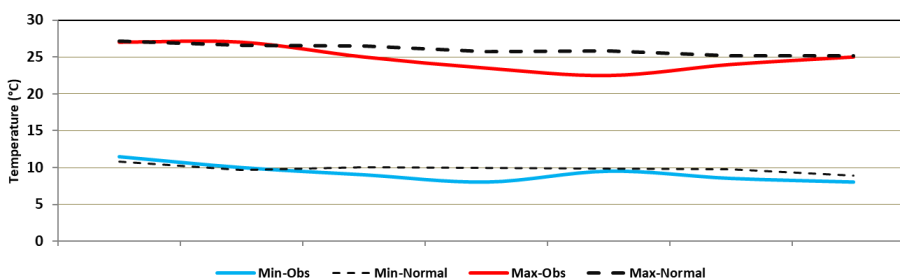
Quetta (Min & Max Temperatures)



Tandojam (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



**Weekly Weather Advisory for Farmers (11<sup>th</sup>–17<sup>th</sup> December 2023)**

Continental air is prevailing over most parts of the country. A westerly wave is likely to approach western parts on Thursday.

**11-12-2023****MONDAY**

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

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

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

**WEDNESDAY****13-12-2023**

Mainly cold and dry weather is expected in most parts of the country, while very cold /partly cloudy in northern parts. Smog/fog is likely in upper Sindh, plain areas of Punjab and Khyber Pakhtunkhwa during morning and night.

**THURSDAY****14-12-2023**

Mainly cold and dry weather is expected in most parts of the country, while very cold in northern parts. Smog/fog is likely in upper Sindh, plain areas of Punjab and Khyber Pakhtunkhwa during morning and night.

**FRIDAY****15-12-2023**

Mainly cold and dry weather is expected in most parts of the country, while very cold/partly cloudy in northern parts. Cloudy weather with chances of rain is likely at isolated places in northwestern Baluchistan. Smog/fog is likely in upper Sindh, plain areas of Punjab and Khyber Pakhtunkhwa during morning and night.

**SATURDAY****16-12-2023**

Cloudy weather with chances of rain (light snow over hills) is likely in Khyber Pakhtunkhwa, Gilgit Baltistan, Kashmir, Islamabad and Potohar region. Cold and dry weather is expected in other parts of the country. Smog/fog is likely in upper Sindh, plain

areas of Punjab and Khyber Pakhtunkhwa during morning and night.

**SUNDAY****17-12-2023**

Mainly cold and dry weather is expected in most parts of the country. However, rain (light snow over hills) expected in Kashmir and Gilgit-Baltistan. Smog/fog is likely in upper Sindh, plain areas of Punjab and Khyber Pakhtunkhwa during morning and night.

**ADVISORY FOR FARMERS**

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

**National Weather Data of Selected Cities from (04<sup>th</sup> – 10<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	9.4	9.0	85.3	76	0.0	0.0	0.0	1.1	1.1
Faisalabad	8.2	6.9	80.5	73	0.0	0.7	0.0	0.0	0.6
Gawadar	13.6	12.5	122.3	33	0.0	0.4	0.0	2.9	4.9
Gilgit	-3.3	-4.5	10.2	61	0.0	1.7	1.9	0.0	0.0
Kalam	-3.5	-5.0	6.3	55	0.0	0.6	1.9	0.0	0.0
Khuzdar	7.8	6.0	69.8	41	0.0	0.0	0.0	0.4	0.3
Lahore	9.7	8.3	80.9	72	0.0	0.6	0.4	0.0	0.0
Malam Jabba	2.9	0.0	16.8	45	0.0	0.4	1.1	0.9	2.3
Mangla	6.1	5.0	72.8	72	0.0	0.3	0.9	0.0	0.0
Multan (PBO)	9.0	8.5	84.3	68	0.0	0.3	0.7	0.0	0.6
Murree	3.1	1.8	26.7	48	0.0	0.4	0.9	0.9	0.9
Muzaffarabad	5.5	5.0	48.2	77	0.0	0.4	0.4	0.0	0.0
Sh. Ben. Abad	11.5	9.5	102.4	62	0.0	0.0	0.4	2.9	6.0
Peshawar	4.9	4.0	61.1	80	0.0	0.3	1.0	0.0	0.9
Quetta	0.7	-0.5	26.0	33	0.0	0.7	0.9	1.5	2.4
Rawalpindi	4.2	2.5	64.1	75	0.0	0.3	1.1	0.0	0.9
Rohri	12.0	10.5	97.8	67	0.0	0.0	0.0	0.0	2.3
Skardu	-7.3	-8.2	0.0	55	0.0	1.3	1.1	0.0	0.0
Tandojam	13.4	12.5	106.5	66	0.0	0.0	0.0	1.7	2.0
U.Muhammad	9.2	8.0	84.3	69	0.0	0.5	0.7	0.2	0.2
Zhob	2.2	1.0	41.8	34	0.0	0.0	0.0	3.1	3.9

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