

# Weekly Weather and Crop Bulletin for Pakistan

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Rainfall Distribution (mm) during the Previous Week (30<sup>th</sup> December 2024 – 05<sup>th</sup> January 2025)

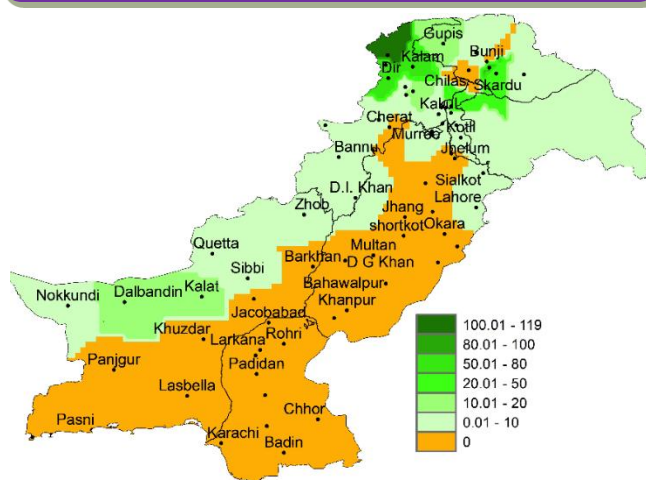


Figure 1: Rainfall.

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## Highlights of Past Weather

(30<sup>th</sup> December 2024 – 05<sup>th</sup> January 2025)

- Light to moderate rainfall was reported from Khyber Pakhtunkhwa, Gilgit Baltistan, Kashmir, west Balochistan and northeast Punjab.
- Normal to above normal daily maximum temperatures were observed throughout the country, whereas normal to below normal in Punjab, upper Sindh and southwest Balochistan.
- Normal to above normal daily minimum temperatures were observed mostly throughout the country, whereas normal to below normal in south & east Balochistan.
- Normal to above normal daily mean temperatures were observed throughout the country, whereas normal to below normal pattern also remained mostly throughout the country.

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

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

**Editor:** Irshad Ali (Assistant Meteorologist)

## **Past Weather of Provinces** **(30<sup>th</sup> December 2024 – 05<sup>th</sup> January 2025)**

### **Punjab**

Light rainfall reported from northeastern parts of the province during the previous week. Weekly maximum and minimum temperatures recorded as 17.0°C & 5.2°C respectively. Average relative humidity recorded as 72% and wind speed in the morning/evening recorded as 0.9/1.2 Knots. The highest rainfall was reported as 8.0 mm from Lahore. However, the lowest minimum temperature was recorded as -1.0°C at Murree.

### **Baluchistan**

Light to moderate rainfall reported from western parts of the province during the previous week. Weekly maximum and minimum temperatures recorded as 19.3°C & 4.5°C respectively. For the recent week on average 5.0 growing degree days were accumulated. Average relative humidity recorded 44% and wind speed in the morning/evening recorded as 1.2/4.1 Knots. The highest rainfall was reported as 18.0 mm from Gawadar. However, the lowest minimum temperature was recorded -8.5°C at Kalat.

### **Khyber Pakhtunkhwa**

Light to moderate rainfall reported from most parts, whereas isolated heavy rain from northwestern parts of the province during the previous week. Weekly maximum and minimum temperatures recorded as 14.5°C & 2.0°C respectively. Average relative humidity recorded as 72% and wind speed in the morning/evening recorded as 1.5/1.5 Knots. The highest rainfall was reported as 119.00 mm from D. I. Khan. However, the lowest minimum temperature was recorded as -4.5°C at Kalam.

### **Sindh**

Dry weather reported from the province during the previous week. Weekly maximum and minimum temperatures recorded as 23.2°C & 7.9°C respectively. For the recent week, on average 8.0 growing degree days were accumulated. Average relative humidity recorded as 69% and wind speed in the morning/evening recorded as 1.0/3.0 Knots.

The lowest minimum temperature recorded as 1.8 °C at Mithi.

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

light to moderate rainfall was reported from the Gilgit-Baltistan and Azad Jammu & Kashmir during the previous week. Weekly maximum and minimum temperatures recorded as 11.9°C & -0.7°C respectively. Average relative humidity recorded as 70%. and wind speed recorded in the morning/evening as 0.4/1.5. The highest rainfall was reported as 22.50 mm from Astore. However, the lowest minimum temperature was recorded as -9.5°C at Gupis.

**Past Weather for Major Agricultural Plains****(30<sup>th</sup> December 2024 – 05<sup>th</sup> January 2025)****Rawalpindi (Potohar region)**

Rainfall reported as 0.01 (trace) mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded 2.7/3.0 Oktas while average relative humidity observed as 75%. Mean minimum time temperature was recorded as 3.2°C. Wind speed recorded in the morning/evening as 0.0/0.3 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 as 0.9/2.1 Oktas while, average relative humidity observed as 83%. Mean minimum time temperature recorded 6.1°C. Wind speed recorded in the morning/evening as 0.6/0.0 Knots. The lowest minimum temperature was recorded as 5.5°C.

**Tandojam (Lower Sindh)**

Dry weather reported from Tandojam during the week; however, clear sky observed in the morning/evening. Average relative humidity observed as 66%. Mean minimum time temperature recorded as 9.1°C & for the recent week 7.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.5/1.2 Knots. The lowest minimum temperature was recorded as 7.5°C.

**Usta Muhammad (Eastern Baluchistan)**

Dry weather reported from Usta Muhammad during the week; however, cloudiness in the morning/evening recorded as 1.4/2.8 Oktas, while average relative humidity observed as 75%. Mean minimum time temperature recorded as 3.6°C & for the recent week 43.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.5/1.1 Knots. The lowest minimum temperature was recorded as 3.0°C.

**Quetta (Northern Baluchistan)**

Rainfall reported as 0.80 mm from Quetta during the week; however, however cloudiness in the morning/evening recorded as 4.4/4.7 Oktas while, average relative humidity observed as 51%. Mean minimum time temperature recorded as 0.9°C & for the recent week 14.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.2/2.5 Knots. The lowest minimum temperature was recorded as -6.0°C.

**Past Weather for Sub-Regional Agricultural Plains (30<sup>th</sup> December 2024 – 05<sup>th</sup> January 2025)****Multan**

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 1.7/1.9 Oktas while average relative humidity observed as 76%. Mean minimum time temperature recorded as 6.4°C. Wind speed recorded in the morning/evening as 0.0/0.9 Knots.

**Lahore**

Rainfall reported as 8.00 mm from Lahore during the week; cloudiness in the morning/evening recorded as \*/3.0 Oktas while average relative humidity observed as 87%. Mean minimum time temperature recorded as 6.1°C. Wind speed recorded in the morning/evening as 0.9/0.9 Knots.

**Zhob**

Rainfall reported as 7.00 mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 1.9/2.6 Oktas while, Average relative humidity observed as 40%. Mean minimum time temperature recorded as -0.2°C. Wind speed recorded in the morning/evening as 1.7/3.7 Knots.

**Murree**

Rainfall reported as 2.01 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 3.4/4.1 Oktas while, average relative humidity observed as 53%. Mean minimum time temperature recorded as -0.2°C. Wind speed recorded in the morning/evening as 1.7/2.0 Knots.

**D.I. Khan**

Rainfall reported as 0.01 (trace) mm from D.I. Khan during the week; however, cloudiness in the morning/evening recorded as 1.7/2.7 Oktas while average relative humidity observed as 78%. Mean minimum time temperature recorded as 5.3°C. Wind speed recorded in the morning/evening as 1.1/1.1 Knots.

**Peshawar**

Rainfall reported as 0.02 (trace) mm from Peshawar during the week; however, cloudiness in the morning/evening recorded as 4.4/4.5 Oktas while, average relative humidity observed as 72%. Mean minimum time temperature was recorded as 3.3°C. Wind speed recorded in the morning/evening as 0.3/0.7 Knots.

**Kalam**

Rainfall reported as 50.40 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 5.3/7.0 Oktas while,

average relative humidity observed as 78%. Mean minimum time temperature recorded as  $-1.6^{\circ}\text{C}$ . Wind speed recorded in the morning/evening as calm.

#### **Gilgit**

Rainfall reported as 0.01 (trace) mm from Gilgit during the week, cloudiness in the morning/evening recorded as 5.0/5.1 Oktas while, average relative humidity observed as 67%. Mean minimum time temperature recorded as  $-2.9^{\circ}\text{C}$ . Wind speed recorded in the morning/evening as 0.6/1.7 Knots.

#### **Skardu**

Rainfall reported as 5.21 mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 6.6/7.0 Oktas while, average relative humidity observed as 78%. Mean minimum time temperature recorded as  $-5.8^{\circ}\text{C}$ . Wind speed recorded in the morning/evening as calm.

### **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 of RAMC Faisalabad. Date of sowing 25-11-2024. Phonological Stage: Tillering Completed. Condition: Very good.

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

Wheat crop is sown in the fields of RAMC Tandojam. Date of sowing 14-11-2024. Phonological Stage: Tillering heading. Condition: Very Good.

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

Wheat crop is sown in the fields of RAMC Quetta. Phonological Stage: Third Leaf. Condition: Good.

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

Rice crop is sown in the fields of RAMC Usta Muhammad. Date of sowing 01-06-2024. Phonological Stage: Irrigation. Condition: *Good*.

**Actual & Departure of Maximum temperature (°C) for the Previous week (30<sup>th</sup> December 2024 – 05<sup>th</sup> January 2025)**

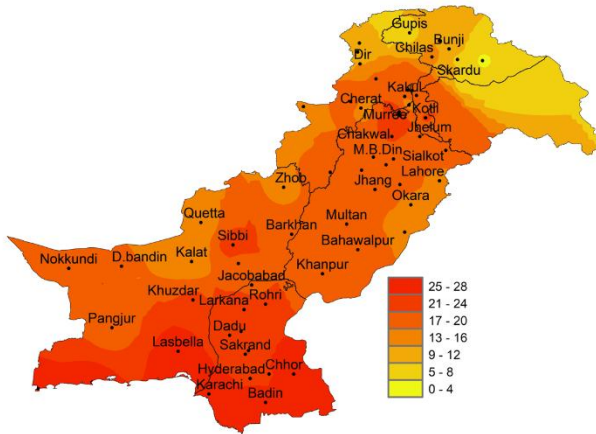


Figure 2: Actual Maximum temperature.

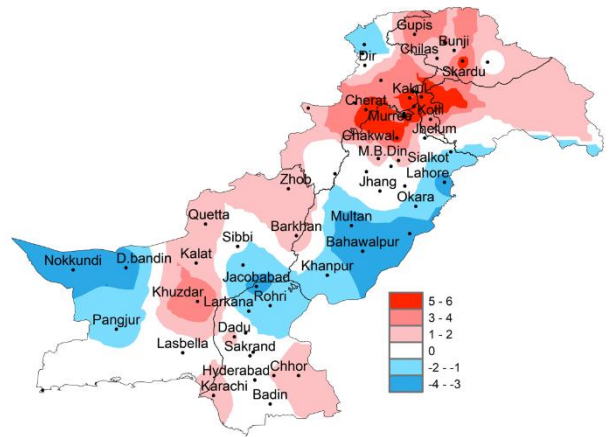


Figure 3: Departure of Maximum temperature.

**Actual & Departure of Mean temperature (°C) for the Previous week (30<sup>th</sup> December 2024 – 05<sup>th</sup> January 2025)**

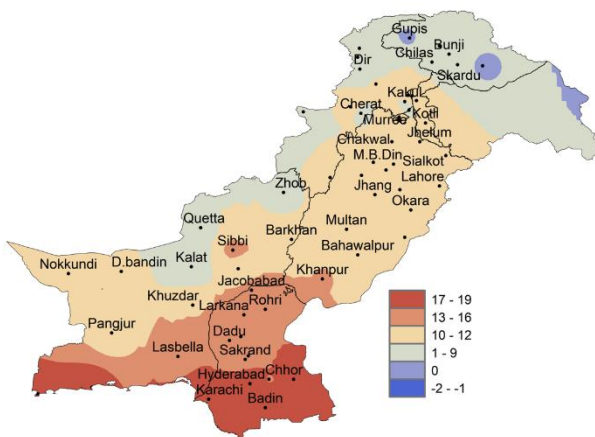


Figure 5: Actual Mean temperature.

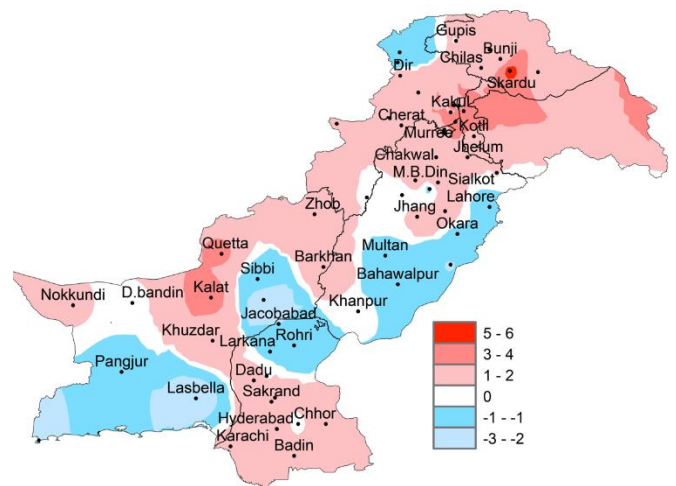


Figure 4: Departure of Mean temperature.

**Actual Minimum temperature (°C) during the Previous week (30<sup>th</sup> December 2024 – 05<sup>th</sup> January 2025)**

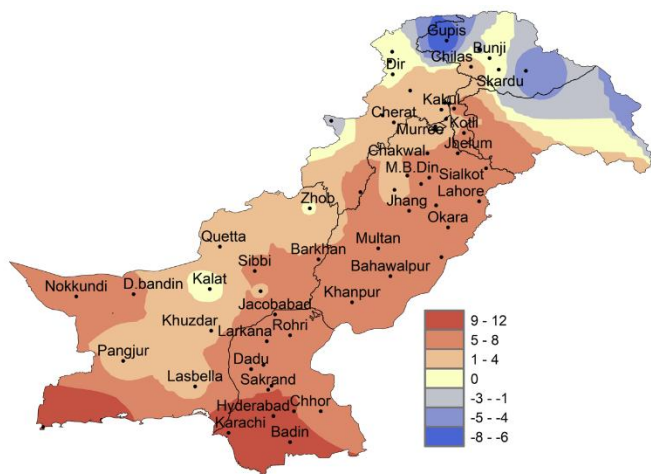


Figure 6: Actual Minimum temperature.

**Departure of Minimum temperature (°C) during the Previous week (30<sup>th</sup> December 2024 – 05<sup>th</sup> January 2025)**

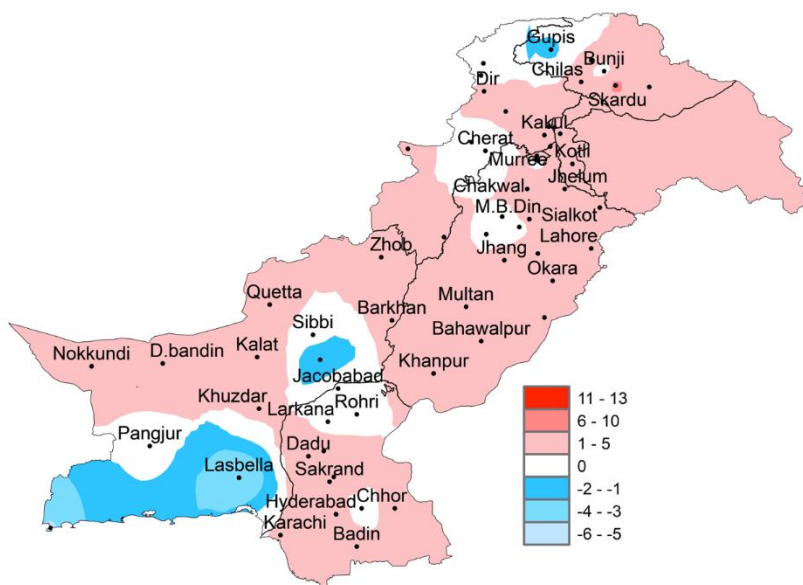


Figure 7: Departure of Minimum temperature.

**Mean Relative Humidity (%) during the  
Previous week (30<sup>th</sup> December 2024 – 05<sup>th</sup> January 2025)**

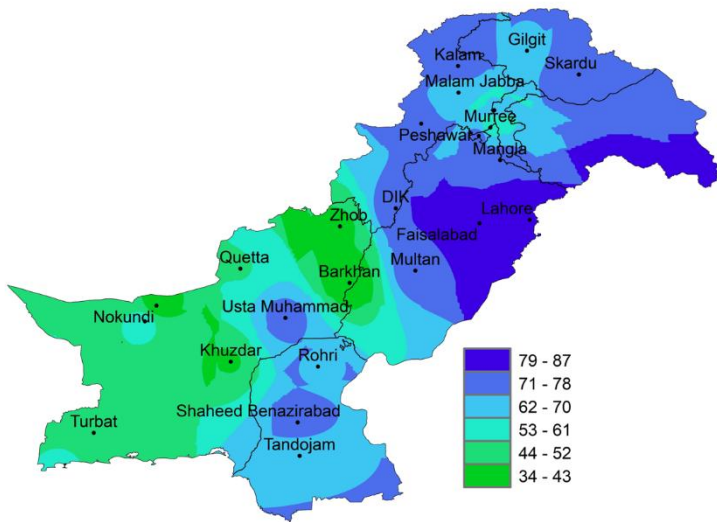


Figure 8: Relative Humidity

**Total Growing Degree Days accumulated during the  
Previous week (30<sup>th</sup> December 2024 – 05<sup>th</sup> January 2025)**

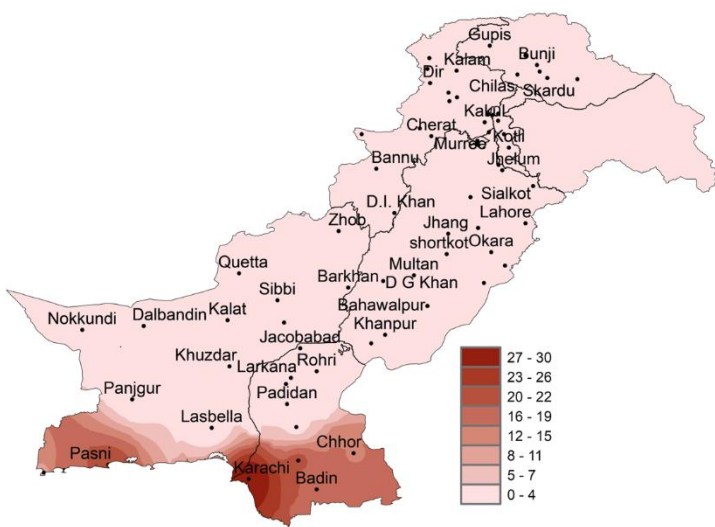


Figure 9: Growing Degree Days



Mean Cloudiness (Octas) at 0800PST during the Previous week (30<sup>th</sup> December 2024 – 05<sup>th</sup> January 2025)

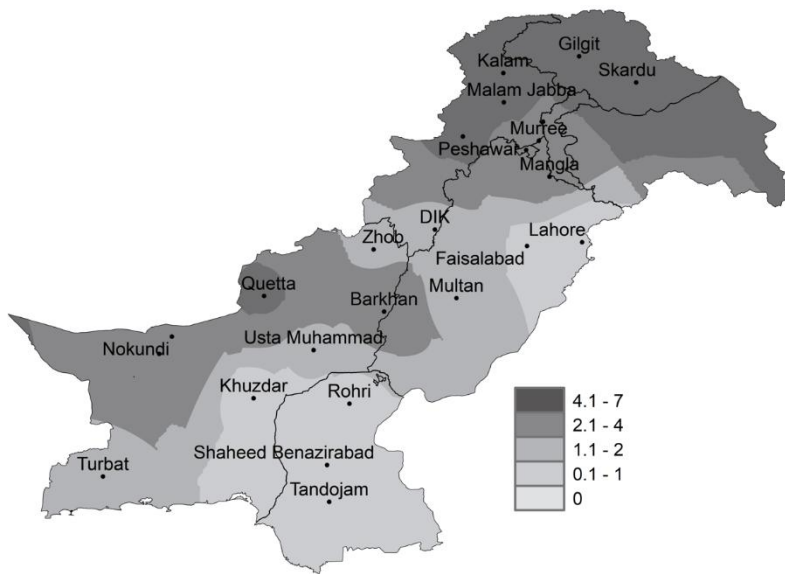


Figure 10: Mean Cloudiness at 0800

Mean Cloudiness (Octas) at 1700PST during the Previous week (30<sup>th</sup> December 2024 – 05<sup>th</sup> January 2025)

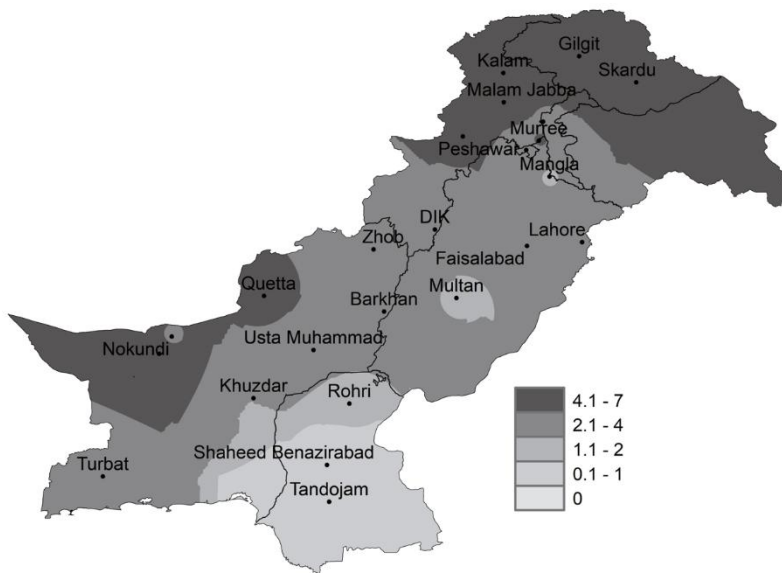


Figure 11: Mean Cloudiness at 1700



**Mean Wind Speed (Knots) at 0800PST during the  
Previous week (30<sup>th</sup> December 2024 – 05<sup>th</sup> January 2025)**

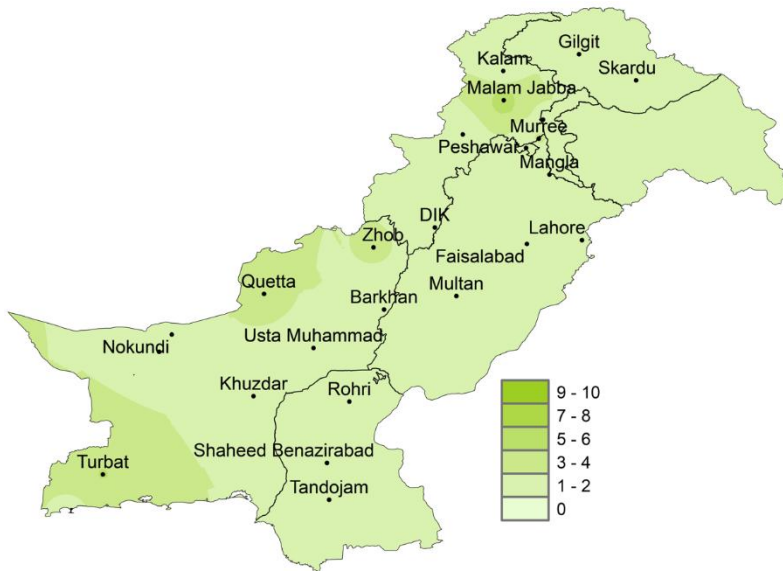


Figure 12: Mean Wind Speed 0300

**Mean Wind Speed (Knots) at 1700PST during the  
Previous week (30<sup>th</sup> December 2024 – 05<sup>th</sup> January 2025)**

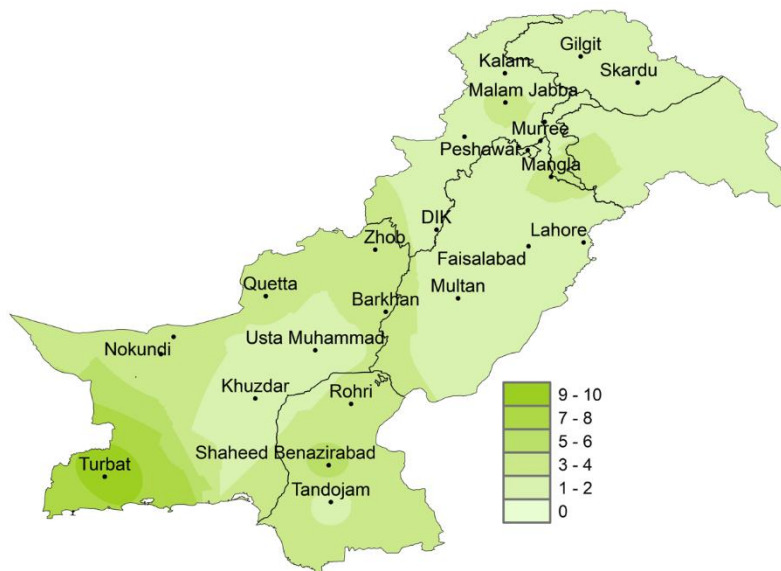
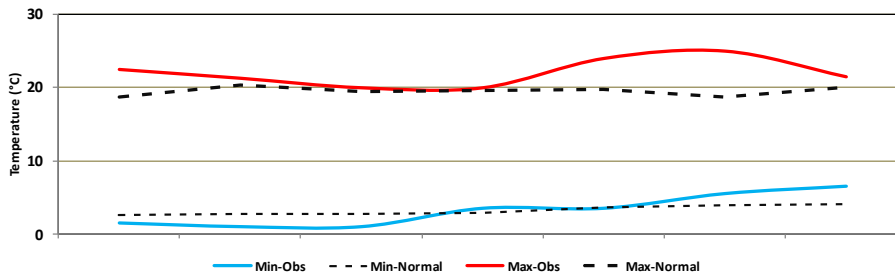


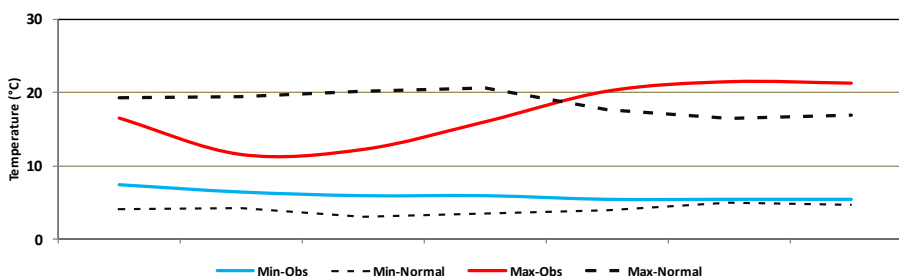
Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal) during the previous week (30<sup>th</sup> December 2024 – 05<sup>th</sup> January 2025)

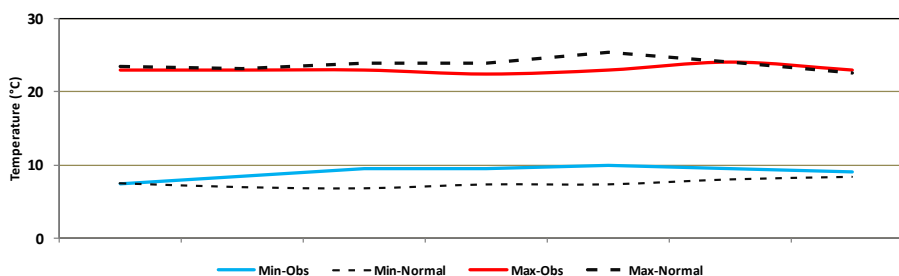
Rawalpindi (Min & Max Temperatures)



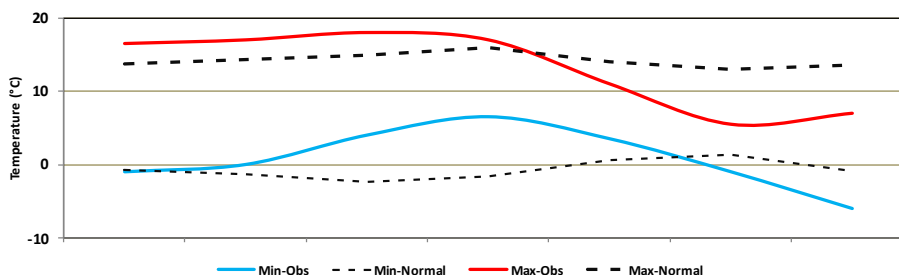
Faisalabad (Min & Max Temperatures)



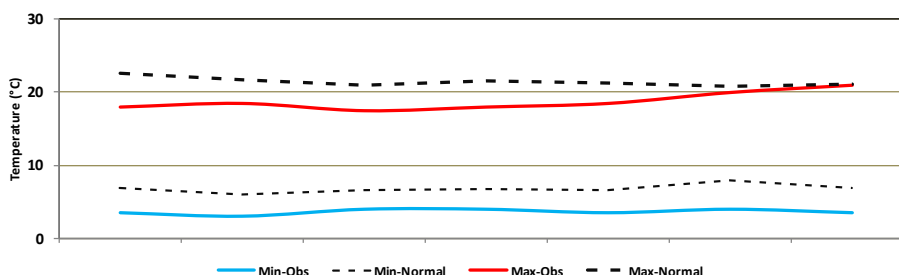
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



**Weekly Weather Advisory for Farmers****(06<sup>th</sup> – 12<sup>th</sup> January 2025)**

Continental air is prevailing over most parts of the country. A shallow westerly trough is affecting Kashmir and adjoining areas.

**MONDAY****06-01-2024**

Mainly cold and dry weather is expected in most parts of the country while, very cold in hilly areas during night hours. However, partly cloudy weather with light rain-thunderstorm (snowfall over hills) is likely at isolated places in upper Khyber Pakhtunkhwa, Gilgit Baltistan, Kashmir, Murree, Galliyat and surroundings. Moderate to dense fog is likely to persist in most of the plain areas of Punjab and upper Sindh during night hours.

**TUESDAY****07-01-2024**

Mainly cold and dry weather is expected in most parts of the country while, very cold in hilly areas during morning/night hours. Moderate to dense fog is likely to persist in most of the plain areas of Punjab and upper Sindh during morning/night hours.

**WEDNESDAY****08-01-2025**

Cold and dry weather is expected in most parts of the country, while very cold in upper parts and north Balochistan. Dense fog is likely in Punjab, upper Sindh and plain areas of Khyber Pakhtunkhwa.

**THURSDAY****09-01-2025**

Cold and dry weather is expected in most parts of the country, while very cold in upper parts and north Balochistan. Dense fog is likely in Punjab, upper Sindh and plain areas of Khyber Pakhtunkhwa.

**FRIDAY****10-01-2025**

Cold and dry weather is expected in most parts of the country, while very cold and partly cloudy in upper parts and north Balochistan. Dense fog is likely in Punjab, upper Sindh and plain areas of Khyber Pakhtunkhwa.

**SATURDAY****11-01-2025**

Cold and dry weather is expected in most parts of the country, while very cold and partly cloudy in upper parts and north Balochistan. Isolated rain is likely in northeast Punjab, Kashmir and adjoining hilly areas. Dense fog is likely in Punjab, upper Sindh and plain areas of Khyber Pakhtunkhwa.

**SUNDAY****12-01-2025**

Cold and dry weather is expected in most parts of the country, while very cold and partly cloudy in upper parts and north Balochistan. Isolated rain is likely in northeast Punjab, Kashmir and adjoining hilly areas. Dense fog is likely in Punjab, upper Sindh and plain areas of Khyber Pakhtunkhwa.

**ADVISORY FOR FARMERS**

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

**National Weather Data of Selected Cities from (30<sup>th</sup> December 2024 – 05<sup>th</sup> January 2025)**

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	5.3	4.5	0.0	78	0.01	1.7	2.7	1.1	1.1
Faisalabad	6.1	5.5	-24.2	83	0.00	0.9	2.1	0.6	0.0
Gawadar	9.7	8.5	17.5	53	0.00	1.9	2.1	1.1	7.1
Gilgit	-2.9	-6.5	0.0	67	0.01	5.0	5.1	0.6	1.7
Kalam	-1.6	-4.5	0.0	78	50.40	5.3	7.0	0.0	0.0
Khuzdar	3.9	2.5	0.0	42	0.00	0.3	2.0	0.0	0.0
Lahore	6.1	5.5	0.0	87	8.00	***	3.0	0.9	0.9
Malam Jabba	0.3	-1.5	0.0	63	19.00	4.4	4.9	4.6	3.1
Mangla	5.0	4.4	0.0	75	0.00	2.3	1.9	0.3	2.9
Multan (PBO)	6.4	5.5	0.0	76	0.00	1.7	1.9	0.0	0.9
Murree	-0.2	-1.0	0.0	53	2.01	3.4	4.1	1.7	2.0
Muzaffarabad	2.5	-0.4	0.0	62	7.00	4.0	3.9	0.9	1.4
Sh. Ben. Abad	7.9	4.5	2.3	72	0.00	0.6	0.3	1.1	5.1
Peshawar	3.3	1.1	0.0	72	0.02	4.4	4.5	0.3	0.7
Quetta	0.9	-6.0	14.0	51	0.80	4.4	4.7	2.2	2.5
Rawalpindi	3.2	18.0	-16.6	75	0.01	2.7	3.0	0.0	0.3
Rohri	7.9	7.0	0.0	68	0.00	0.4	1.3	1.4	2.6
Skardu	-5.8	-9.4	0.0	78	5.21	6.6	7.0	0.0	0.0
Tandojam	9.1	7.5	7.5	66	0.00	0.0	0.0	0.5	1.2
U.Muhammad	3.6	3.0	43.5	75	0.00	1.4	2.8	0.5	1.1
Zhob	-0.2	-2.0	0.0	40	7.00	1.9	2.6	1.7	3.7

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