

# Weekly Weather and Crop Bulletin for Pakistan

**NATIONAL AGROMET CENTRE  
PAKISTAN METEOROLOGICAL  
DEPARTMENT SECTOR H-8/2,  
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## Rainfall Distribution (mm) during the Previous Week (14<sup>th</sup> – 20<sup>th</sup> October 2024)

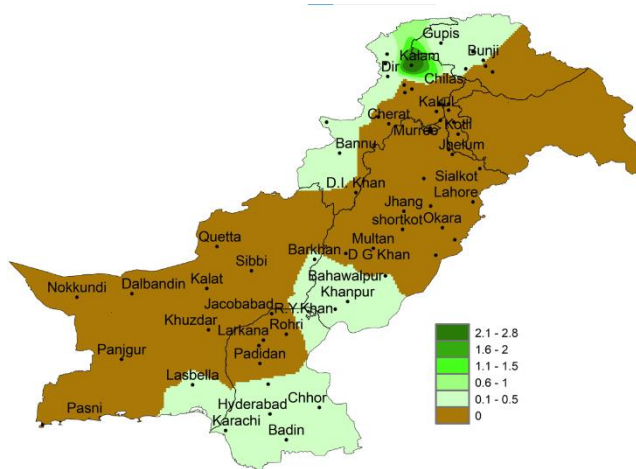


Figure 1: Rainfall.

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## Highlights of Past Weather (14<sup>th</sup> – 20<sup>th</sup> October 2024)

- Dry weather prevailed in upper parts, while hot and dry weather in southern parts of the country. Light rainfall was also reported from south Sindh, south Punjab, western Khyber Pakhtunkhwa and Gilgit Baltistan.
- Normal to above normal daily maximum temperatures were observed in most parts of the country.
- Normal to above normal daily minimum temperatures were observed in most parts of the country whereas normal to below normal was reported from Sindh.
- Normal to 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: Irshad Ali (Assistant Meteorologist)**

## **Past Weather of Provinces** **(14<sup>th</sup> – 20<sup>th</sup> October 2024)**

### **Punjab**

Light rain was reported from southern parts of the province during the previous week. Weekly maximum and minimum temperatures recorded as 34.3°C & 19.4°C respectively. For the recent week on average 83.3 growing degree days were accumulated. Average relative humidity recorded as 57% and wind speed in the morning/evening recorded as 1.0/1.7 Knots. Maximum rainfall was reported as 0.50 mm from Rahimyar Khan. However, the highest maximum temperature was recorded as 39.0°C at Bahawalpur and Rahimyar Khan.

### **Baluchistan**

Dry weather was reported from the province during the previous week. Weekly maximum and minimum temperatures recorded as 30.7°C & 14.8°C respectively. For the recent week on average 54.3 growing degree days were accumulated. Average relative humidity recorded 30% and wind speed in the morning/evening recorded as 0.2/3.8 Knots. However, highest maximum temperature was recorded as 42.5°C at Turbat.

### **Khyber Pakhtunkhwa**

Light rain was reported from upper parts of the province during the previous week. Weekly maximum and minimum temperatures recorded as 29.0°C & 13.4°C respectively. For the recent week on average 43.9 growing degree days were accumulated. Average relative humidity recorded as 64% and wind speed in the morning/evening recorded as 0.6/0.6 Knots. Maximum rainfall was reported as 2.80 mm from Kalam. However, the highest maximum temperature recorded as 37.0°C at Dera Ismail Khan.

### **Sindh**

Light rain was reported from southern parts of the province during the previous week. Weekly maximum and minimum temperatures recorded as 37.1°C & 24.7°C respectively. For the recent week, on average 111.4 growing degree days were

accumulated. Average relative humidity recorded as 62% and wind speed in the morning/evening recorded as 2.0/2.7 Knots. The highest maximum temperature recorded as 41.0°C at Shaheed Benazirabad.

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

Light rain was reported from Gilgit Baltistan during the previous week. Weekly maximum and minimum temperatures recorded as 26.8°C & 10.4°C respectively. For the recent week on average 27.8 growing degree days were accumulated. Average relative humidity recorded as 59%. and wind speed recorded in the morning/evening as 0.1/0.7. The highest rainfall was reported as 0.01 (trace) mm from Gilgit. However, the highest maximum temperature recorded as 32.8°C at Kotli.

**Past Weather for Major Agricultural Plains****(14<sup>th</sup> – 20<sup>th</sup> October 2024)****Rawalpindi (Potohar region)**

Dry weather reported from Rawalpindi during the week; however, clear sky has been observed in the morning/evening, average relative humidity observed as 68%. Mean maximum time temperature was recorded as 32.6°C and for the recent week 64.0 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.2/0.2 Knots. The highest maximum temperature was recorded as 33.2°C.

**Faisalabad (Central Punjab)**

Dry weather reported from Faisalabad during the week; however, cloudiness in the morning/evening recorded 0.6/0.0 Oktas while, average relative humidity observed as 62%. Mean maximum time temperature recorded 34.8°C & for the recent week 86.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.2/0.6 Knots. The highest maximum temperature was recorded as 40.0°C.

**Tandojam (Lower Sindh)**

Rainfall reported as 0.01 (trace) mm from Tandojam during the week; however, cloudiness in the morning/evening recorded as 2.3/1.4 Oktas while, average relative humidity observed as 66%. Mean maximum time temperature recorded as 37.4°C & for the recent week 103.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.2/0.6 Knots. The highest maximum temperature was recorded as 40.0°C.

**Usta Muhammad (Eastern Baluchistan)**

Dry weather reported from Usta Muhammad during the week; however, cloudiness in the morning/evening recorded as 0.5/0.2 Oktas. Average relative humidity observed as 69%. Mean maximum time temperature recorded as 34.6°C & for the recent week 154.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.8/2.8 Knots. The highest maximum temperature was recorded as 36.0°C.

**Quetta (Northern Baluchistan)**

Dry weather reported from Quetta during the week; however, cloudiness in the morning/evening recorded as 0.4/0.4 Oktas while, average relative humidity observed as 25%. Mean maximum time temperature recorded as 26.8°C & for the recent week 90.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/3.1

Knots. The highest maximum temperature was recorded as 27.5°C.

**Past Weather for Sub-Regional Agricultural Plains (14<sup>th</sup> – 20<sup>th</sup> October 2024)****Multan**

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 1.0/0.4 Oktas. Average relative humidity observed as 50%. Mean maximum time temperature recorded as 36.0°C & for the recent week 98.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/3.4 Knots.

**Lahore**

Dry weather reported from Lahore during the week; cloudiness in the morning/evening recorded as 0.7/0.0 Oktas, average relative humidity observed as 57%. Mean maximum time temperature recorded as 33.5°C & for the recent week 84.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/1.1 Knots.

**Zhob**

Dry weather reported from Zhob during the week; however, clear sky has been observed in the morning/evening. Average relative humidity observed as 27%. Mean maximum time temperature recorded as 30.7 °C & for the recent week 54.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/1.1 Knots.

**Murree**

Dry weather reported from Murree during the week; however, cloudiness in the morning/evening recorded as 0.0/0.4 Oktas while, average relative humidity observed as 63%. Mean maximum time temperature recorded as 21.3°C & for the recent week 10.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/0.6 Knots.

**D.I. Khan**

Dry weather reported from D.I. Khan during the week; however, clear sky has been observed in the morning/evening. Average relative humidity observed as 62%. Mean maximum time temperature recorded as 35.7°C & for the recent week 91.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/1.4 Knots.

**Peshawar**

Dry weather reported from Peshawar during the week; however, cloudiness in the morning/evening recorded as 0.4/1.3 Oktas while, average relative humidity observed as 72%. Mean maximum time temperature was recorded as 32.3°C & for the recent week 69.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/0.0 Knots.

**Kalam**

Rainfall reported as 2.80 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 0.0/2.1 Oktas while, average relative humidity observed as 47%. Mean maximum time temperature recorded as 21.9°. 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 1.4/2.4 Oktas while, average relative humidity observed as 57%. Mean maximum time temperature recorded as 28.8°C & for the recent week 21.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/0.3 Knots.

**Skardu**

Dry weather reported from Skardu during the week; however, cloudiness in the morning/evening recorded as 1.1/2.1 Oktas while, average relative humidity observed as 47%. Mean maximum time temperature recorded as 21.0°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)**

Cotton crops are sown in the fields of RAMC Faisalabad. Date of sowing 23-04-2024. Phonological Stage: First Picking. Condition: *Very Good*.

**Lower Sindh (Tandojam)**

Cotton crops are sown in the fields of RAMC Tandojam. Date of sowing 14-05-2024. Phonological Stage: Picking. Condition: *Good*.

**Northern Baluchistan (Quetta)**

Wheat crops are sown in the fields of RAMC Quetta. Date of sowing 22-11-2023. Phonological Stage: Harvested.

**Eastern Baluchistan (Usta Muhammad)**

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

**Actual & Departure of Maximum temperature (°C) for the Previous week (14<sup>th</sup> – 20<sup>th</sup> October 2024)**

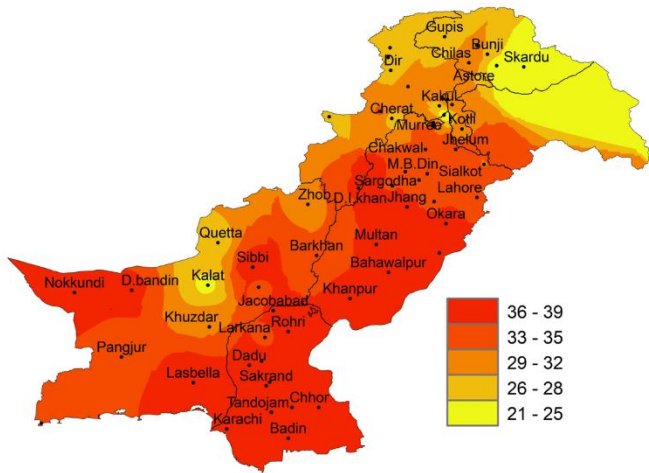


Figure 2: Actual Maximum temperature.

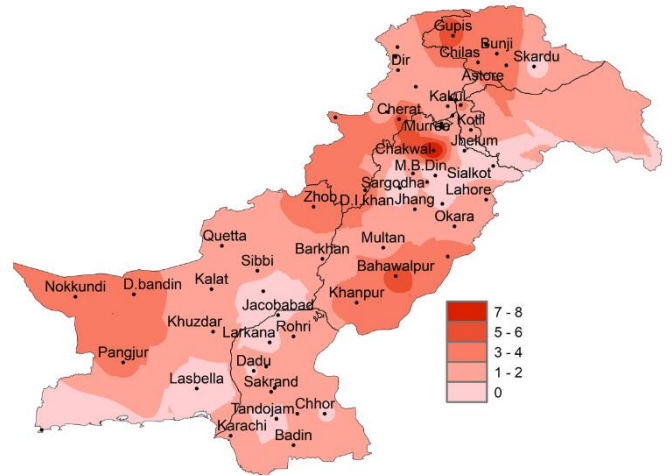


Figure 3: Departure of Maximum temperature.

**Actual & Departure of Mean temperature (°C) for the Previous week (14<sup>th</sup> – 20<sup>th</sup> October 2024)**

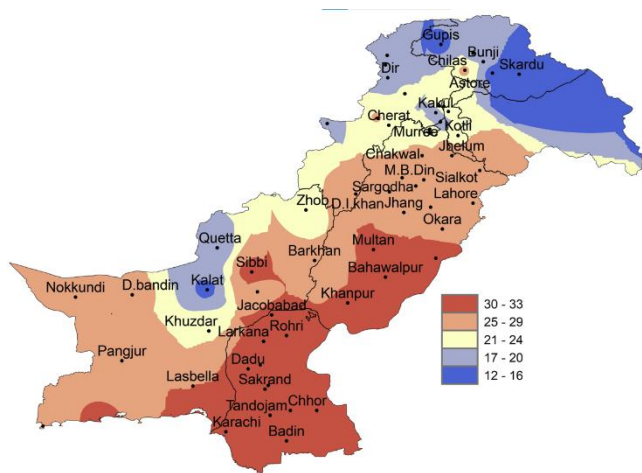


Figure 5: Actual Mean temperature.

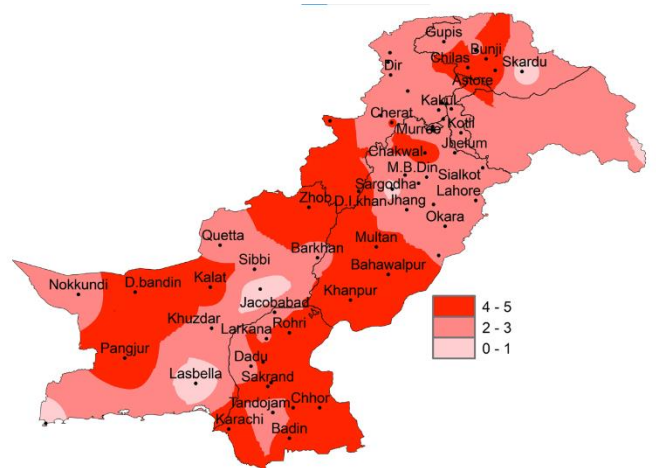


Figure 4: Departure of Mean temperature.

**Actual Minimum temperature (°C) during the Previous week (14<sup>th</sup> – 20<sup>th</sup> October 2024)**

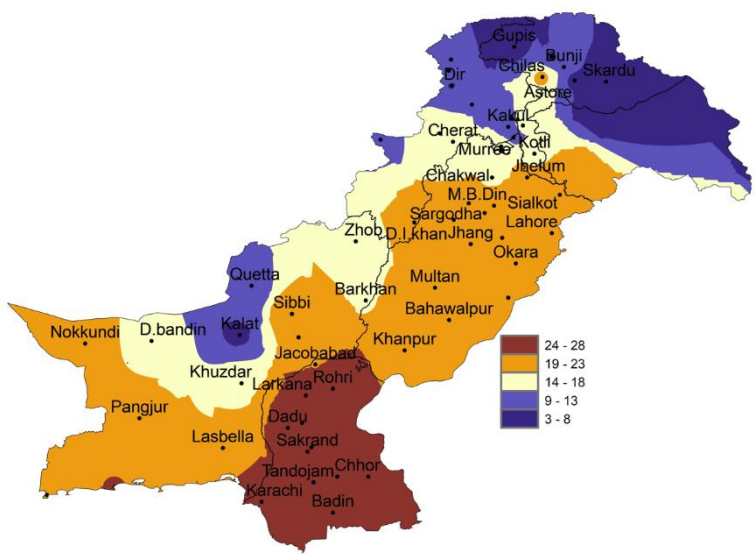


Figure 6: Actual Minimum temperature.

**Departure of Minimum temperature (°C) during the Previous week (14<sup>th</sup> – 20<sup>th</sup> October 2024)**

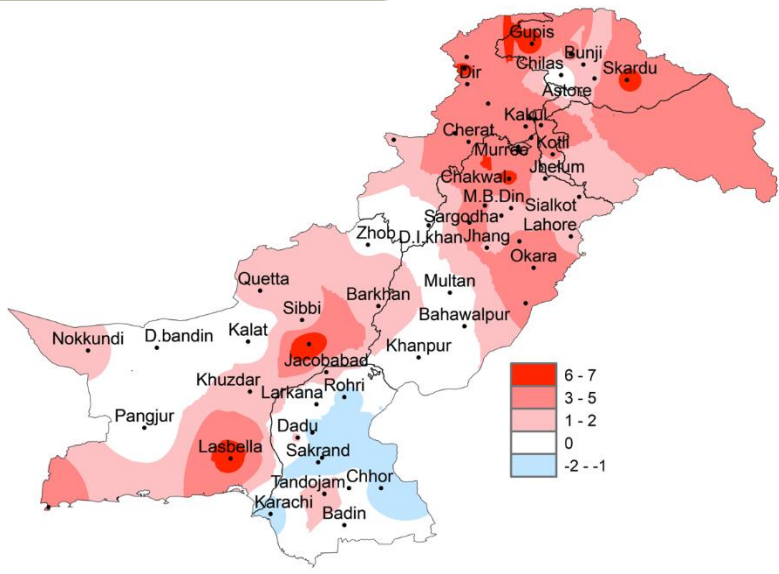


Figure 7: Departure of Minimum temperature.

**Mean Relative Humidity (%) during the Previous week (14<sup>th</sup> – 20<sup>th</sup> October 2024)**

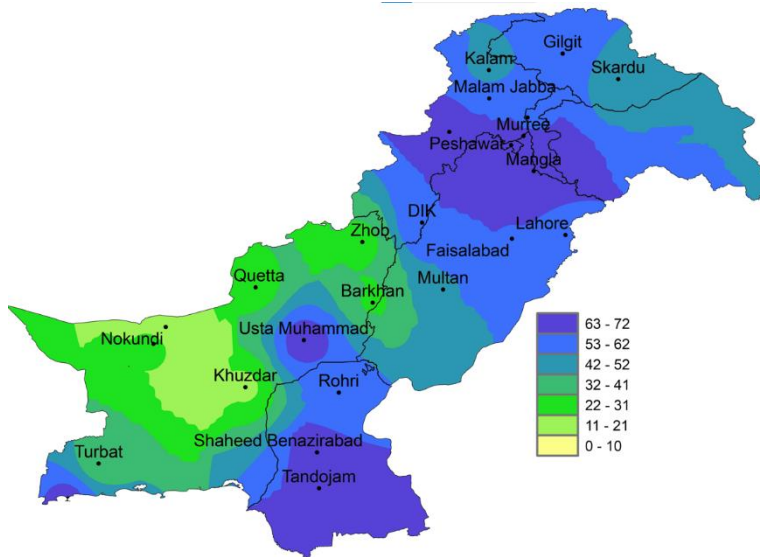


Figure 8: Relative Humidity

**Total Growing Degree Days accumulated during the Previous week (14<sup>th</sup> – 20<sup>th</sup> October 2024)**

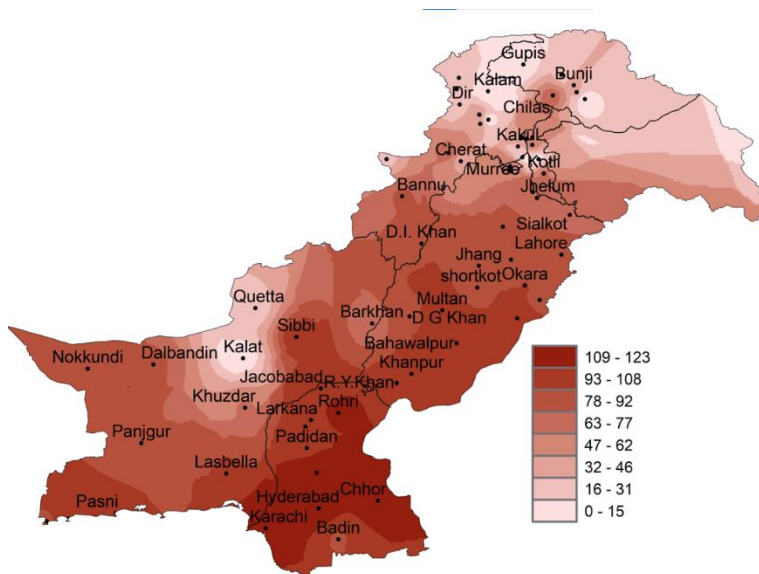


Figure 9: Growing Degree Days

Mean Cloudiness (Octas) at 0800PST during the Previous week (14<sup>th</sup> – 20<sup>th</sup> October 2024)

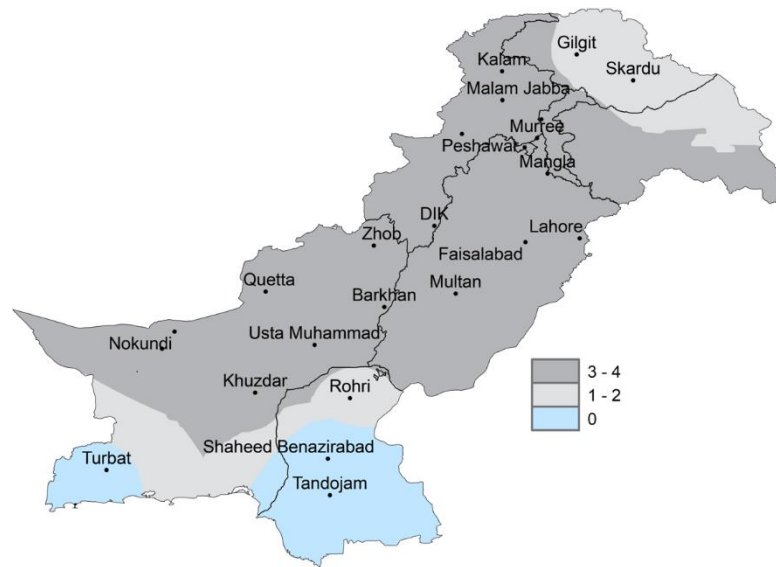


Figure 10: Mean Cloudiness at 0800

Mean Cloudiness (Octas) at 1700PST during the Previous week (14<sup>th</sup> – 20<sup>th</sup> October 2024)

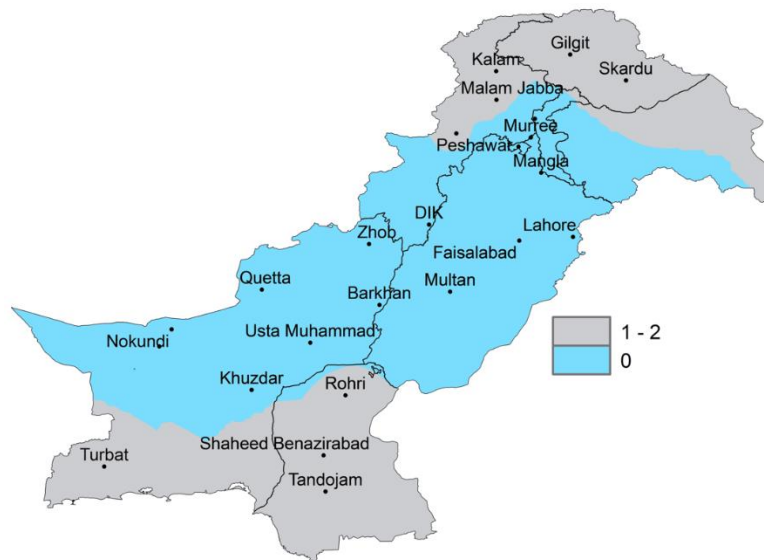


Figure 11: Mean Cloudiness at 1700



**Mean Wind Speed (Knots) at 0800PST during the  
Previous week (14<sup>th</sup> – 20<sup>th</sup> October 2024)**

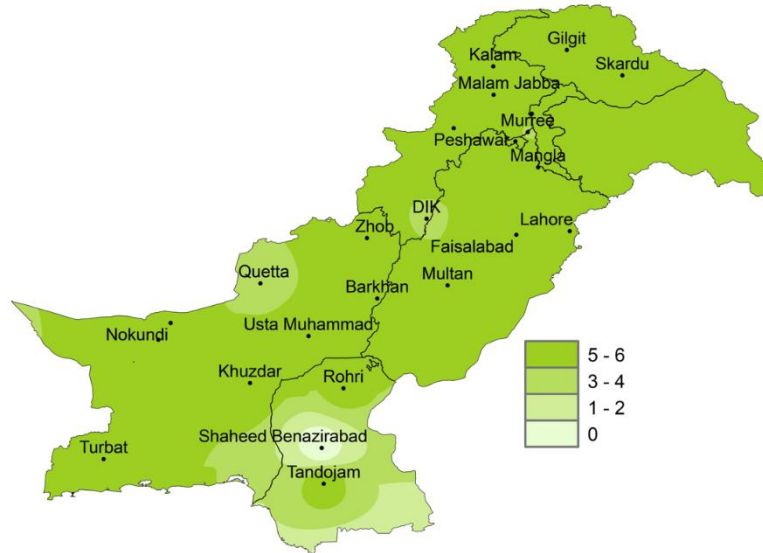


Figure 12: Mean Wind Speed 0300

**Mean Wind Speed (Knots) at 1700PST during the  
Previous week (14<sup>th</sup> – 20<sup>th</sup> October 2024)**

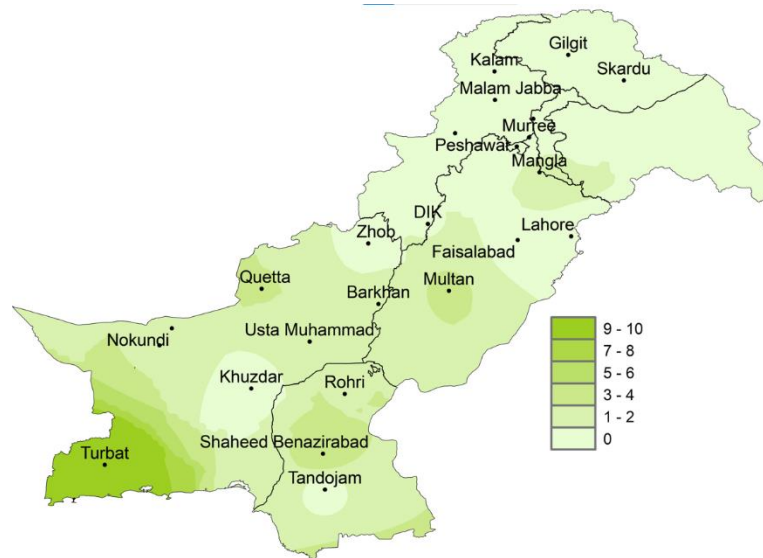
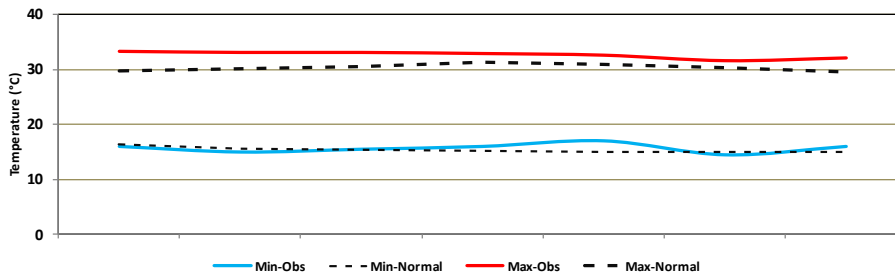


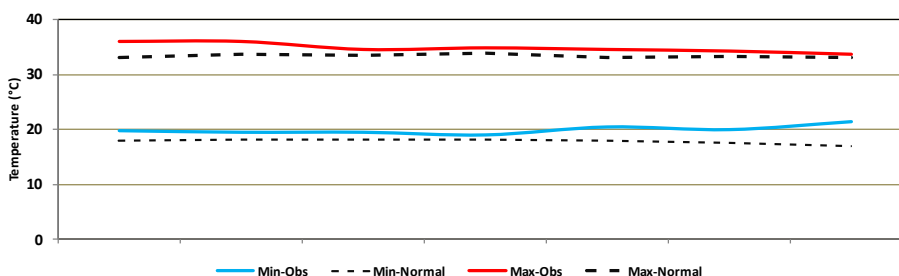
Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal) during the previous week (14<sup>th</sup> – 20<sup>th</sup> October 2024)

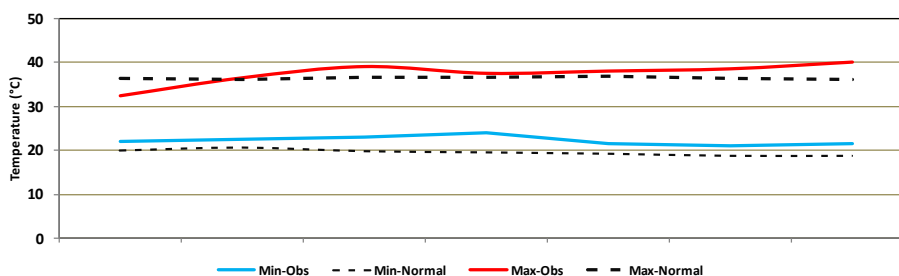
Rawalpindi (Min & Max Temperatures)



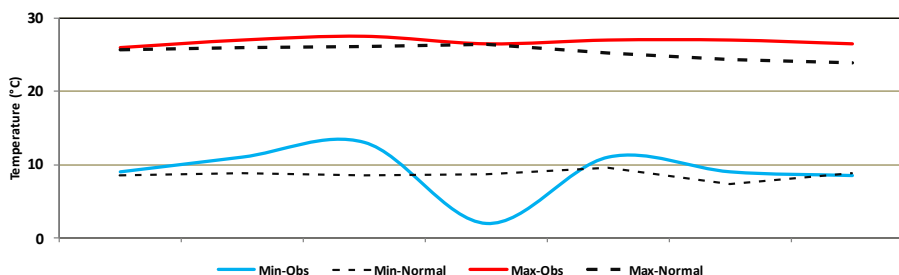
Faisalabad (Min & Max Temperatures)



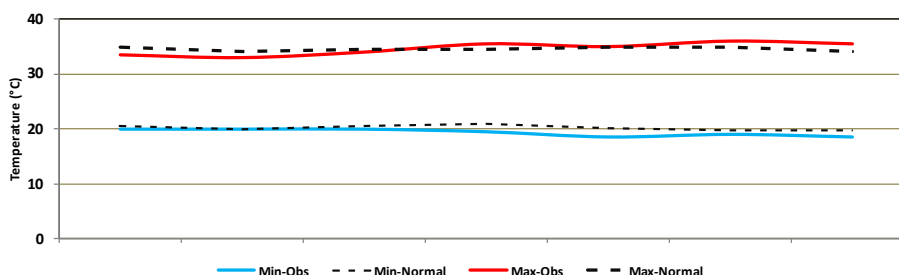
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



**Weekly Weather Advisory for Farmers****(21<sup>st</sup> – 27<sup>th</sup> October 2024)**

Continental air is prevailing over most parts of the country.

**MONDAY****21-10-2024**

Dry weather is expected in most parts of the country while slightly hot is likely in plain areas.

**TUESDAY****22-10-2024**

Dry weather is expected in most parts of the country while slightly hot is likely in plain areas.

**WEDNESDAY****23-10-2024**

Mainly dry weather is expected in most parts of the country. However, partly cloudy with rain-wind/thunderstorm is expected in Upper Khyber-Pakhtunkhwa, Kashmir and Gilgit-Baltistan.

**THURSDAY****24-10-2024**

Mainly dry weather is expected in most parts of the country. However, partly cloudy with rain-wind/thunderstorm in Upper Khyber-Pakhtunkhwa, Kashmir and Gilgit-Baltistan.

**FRIDAY****25-10-2024**

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

**SATURDAY****26-10-2024**

Mainly dry weather is expected in most parts of the country. While cold in hilly areas.

**SUNDAY****27-10-2024**

Mainly dry weather is expected in most parts of the country. While cold in hilly areas.

**ADVISORY FOR FARMERS**

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

**National Weather Data of Selected Cities from (14<sup>th</sup> – 20<sup>th</sup> October 2024)**

Stations	Maximum/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	Highest							
D.I. Khan	35.7	37.0	91.5	62	0.00	0.0	0.0	1.4	1.4
Faisalabad	34.8	36.0	86.7	62	0.00	0.6	0.0	0.0	0.9
Gawadar	35.8	37.5	101.8	66	0.00	2.3	1.9	0.0	8.9
Gilgit	28.8	30.0	21.6	57	0.01	1.4	2.4	0.3	0.3
Kalam	21.9	24.0	0.0	47	2.80	0.0	2.1	0.0	0.0
Lahore	33.5	34.3	84.8	57	0.00	0.7	0.0	0.0	1.1
Malam Jabba	20.1	21.0	0.0	59	0.00	0.0	1.6	0.9	0.6
Mangla	32.2	33.5	72.6	72	0.00	0.1	0.0	0.3	2.6
Multan (PBO)	36.0	36.5	98.3	50	0.00	1.0	0.4	1.1	3.4
Murree	21.3	22.2	10.7	63	0.00	0.0	0.4	1.7	0.6
Muzaffarabad	29.9	30.5	48.5	60	0.00	0.3	0.0	0.0	0.0
Sh. Ben. Abad	39.0	41.0	118.5	64	0.00	3.1	2.4	5.1	4.6
Peshawar	32.3	33.2	69.7	72	0.00	0.4	1.3	0.3	0.0
Quetta	26.8	27.5	90.5	25	0.00	0.4	0.4	1.7	3.1
Rawalpindi	32.6	33.2	64.0	68	0.00	0.0	0.0	0.2	0.2
Rohri	37.1	38.5	113.3	56	0.00	1.6	1.9	0.6	2.9
Skardu	21.0	22.0	0.0	47	0.00	1.1	2.1	0.0	0.0
Tandojam	37.4	40.0	103.8	66	0.01	2.3	1.4	0.2	0.6
U.Muhammad	34.6	36.0	154.0	69	0.00	0.5	0.2	0.8	2.8
Zhob	30.7	31.5	54.3	27	0.00	0.0	0.0	0.3	1.1

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