

# Weekly Weather and Crop Bulletin for Pakistan

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PAKISTAN METEOROLOGICAL  
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## Rainfall Distribution (mm) during the Previous Week (05<sup>th</sup> - 11<sup>th</sup> August 2024)

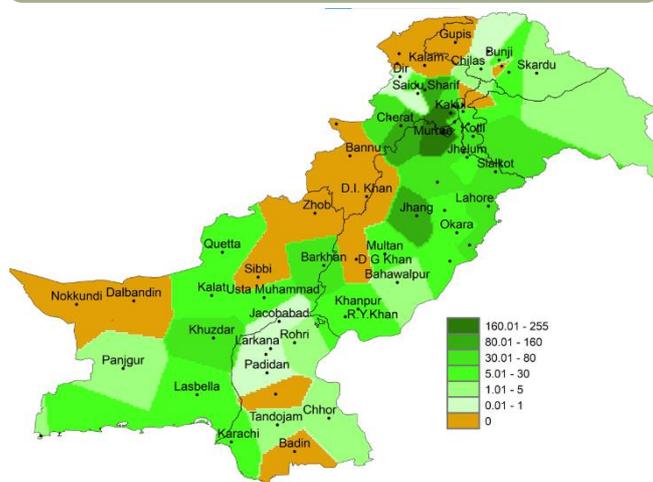


Figure 1: Rainfall.

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## Highlights of Past Weather (05<sup>th</sup> - 11<sup>th</sup> August 2024)

- Light to moderate rain was reported from almost all over the country except Upper half of KPK and Punjab where isolated heavy showers were also observed during the previous week.
- Normal to above normal daily maximum temperatures were observed in most parts of the country whereas normal to below normal in Sindh and some parts of Baluchistan.
- Daily minimum temperatures were observed above normal in the country.
- Above normal mean daily temperatures were observed in 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** **(05<sup>th</sup> - 11<sup>th</sup> August 2024)**

### **Punjab**

Light to moderate rainfall with isolated heavy showers were reported from the Punjab province. Weekly maximum and minimum temperatures recorded as 35.6°C & 26.9°C respectively. For the recent week on average 114.0 growing degree days were accumulated. Average relative humidity recorded as 78% and wind speed in the morning/evening recorded as 2.6/2.7 Knots. Maximum rainfall was reported as 253.92 mm from Islamabad. However, highest maximum temperature was recorded as 41.0°C at Bhakkar.

### **Baluchistan**

Light to moderate rainfall was reported from the province. Weekly maximum and minimum temperatures recorded as 36.3°C & 25.2°C respectively. For the recent week on average 110.3 growing degree days were accumulated. Average relative humidity recorded 49% and wind speed in the morning/evening recorded as 1.7/4.9 Knots. Maximum rainfall was reported as 65.00 mm from Barkhan. However, highest maximum temperature was recorded as 47.0°C at Dalbandin and Nokundi.

### **Khyber Pakhtunkhwa**

Light to moderate rainfall with heavy showers were reported from Khyber Pakhtunkhwa province. Weekly maximum and minimum temperatures recorded as 33.6°C & 23.3°C respectively. For the recent week on average 93.9 growing degree days were accumulated. Average relative humidity recorded as 76% and wind speed in the morning/evening recorded as 0.7/1.9 Knots. Maximum rainfall was reported as 163.00 mm from Kakul. However, highest maximum temperature recorded as 41.5°C at D. I. Khan.

### **Sindh**

Light to moderate rain was reported from Sindh. Weekly maximum and minimum temperatures recorded as 35.6°C & 27.4°C respectively. For the recent week, on average 115.4 growing degree days were accumulated. Average relative humidity

recorded as 73% and wind speed in the morning/evening recorded as 4.6/5.3 Knots. Maximum rainfall was reported as 7.00 mm from Mithi. However, highest maximum temperature recorded as 41.5°C at Dadu.

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

Light to moderate rainfall was reported from Gilgit Baltistan and Kashmir during the previous week. Weekly maximum and minimum temperatures recorded as 35.7°C & 21.6°C respectively. For the recent week on average 96.0 growing degree days were accumulated. Average relative humidity recorded as 59%. and wind speed recorded in the morning/evening as 0.6/1.9. Highest rainfall was reported as 64.00 mm from Kotli. However, highest maximum temperature recorded as 44.0°C at Chilas.

**Past Weather for Major Agricultural Plains****(05<sup>th</sup> - 11<sup>th</sup> August 2024)****Rawalpindi (Potohar region)**

Rainfall reported as 176.00 mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 5.7/5.4 Oktas, average relative humidity observed as 79%. Mean maximum time temperature was recorded as 33.4°C and for the recent week 91.3 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.6/1.2 Knots. The highest maximum temperature was recorded as 37.0°C.

**Faisalabad (Central Punjab)**

Rainfall reported as 2.20 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded 2.7/4.7 Oktas while, average relative humidity observed as 74%. Mean maximum time temperature recorded 35.6°C & for the recent week 118.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/2.6 Knots. The highest maximum temperature was recorded as 37.5°C.

**Tandojam (Lower Sindh)**

Rainfall reported as 3.00 mm from Tandojam during the week; however, cloudiness in the morning/evening recorded as 3.7/4.9 oktas while, average relative humidity observed as 77%. Mean maximum time temperature recorded as 34.3°C & for the recent week 103.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.1/3.1 Knots. The highest maximum temperature was recorded as 36.5°C.

**Usta Muhammad (Eastern Baluchistan)**

Rainfall reported as 16.81 mm from Usta Muhammad during the week; however, cloudiness in the morning/evening recorded as 3.0/2.7. Average relative humidity observed as 67%. Mean maximum time temperature recorded as 37.3°C & for the recent week 186.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/2.8 Knots. The highest maximum temperature was recorded as 38.5°C.

**Quetta (Northern Baluchistan)**

Rainfall reported as 3.80 mm from Quetta during the week; however, cloudiness in the morning/evening recorded as 2.1/4.1 Oktas while, average relative humidity observed as 50%. Mean maximum time temperature recorded as 34.4°C & for the recent week 156.3 growing degree days accumulated. Wind speed recorded in the

morning/evening as 2.1/3.9 Knots. The highest maximum temperature was recorded as 38.0°C.

**Past Weather for Sub-Regional Agricultural Plains (29<sup>th</sup> July –04<sup>th</sup> August 2024)****Multan**

Rainfall reported as 9.00 mm from Multan during the week; however, cloudiness in the morning/evening recorded as 1.3/4.6 Oktas. Average relative humidity observed as 67%. Mean maximum time temperature recorded as 38.0°C & for the recent week 128.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.4/5.4 Knots.

**Lahore**

Rainfall reported as 79.51 mm from Lahore during the week; cloudiness in the morning/evening recorded as 5.7/7.0 Oktas, average relative humidity observed as 79%. Mean maximum time temperature recorded as 33.9°C & for the recent week 104.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.6/2.0 Knots.

**Zhob**

Dry weather reported from Zhob during the week; however, cloudiness in the morning/evening recorded as 1.7/3.9 Oktas. Average relative humidity observed as 50%. Mean maximum time temperature recorded as 36.3 °C & for the recent week 110.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.9/4.7 Knots.

**Murree**

Rainfall reported as 48.00 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 7.0/8.0 Oktas while, average relative humidity observed as 89%. Mean maximum time temperature recorded as 23.1°C & for the recent week 33.8 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, cloudiness observed in the morning/evening recorded as 1.9/2.6. Average relative humidity observed as 73%. Mean maximum time temperature recorded as 38.9°C & for the recent week 130.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/1.4 Knots.

**Peshawar**

Rainfall reported as 53.01 mm from Peshawar during the week; however, cloudiness in the morning/evening recorded as 6.6/4.7 Oktas while, average relative humidity observed as 77%. Mean maximum time temperature was recorded as 34.9°C & for the recent week 104.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/2.0 Knots.

**Kalam**

Dry weather reported from Kalam during the week; however, cloudiness in the morning/evening recorded as 4.7/3.6 Oktas while, average relative humidity observed as 42%. Mean maximum time temperature recorded as 27.8°C & for the recent week 56.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/0.0 Knots.

**Gilgit**

Rainfall reported as 0.01 (trace) mm from Gilgit during the week, cloudiness in the morning/evening recorded as 2.0/2.9 Oktas while, average relative humidity observed as 47%. Mean maximum time temperature recorded as 38.9°C & for the recent week 113.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/2.0 Knots.

**Skardu**

Rainfall reported as 1.61 mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 2.1/3.6 Oktas while, average relative humidity observed as 42%. Mean maximum time temperature recorded as 34.2°C & for the recent week 74.9 growing degree days accumulated. 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 crop is in the fields of RAMC Faisalabad. Date of sowing 23-04-2024. Phonological Stage: Ball Opening. Condition: *Very Good*.

**Lower Sindh (Tandojam)**

Cotton crop is in the fields of RAMC Tandojam. Date of sowing 14-05-2024. Phonological Stage: Flowering. Condition: *Good*.

**Northern Baluchistan (Quetta)**

No crop is sown in the fields of RAMC Quetta.

**Eastern Baluchistan (Usta Muhammad)**

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

**Actual & Departure of Maximum temperature (°C) for the Previous week (05<sup>th</sup> - 11<sup>th</sup> August 2024)**

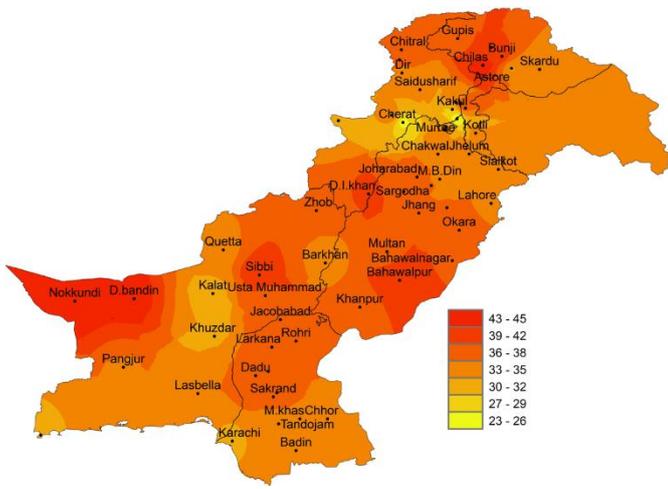


Figure 2: Actual Maximum temperature.

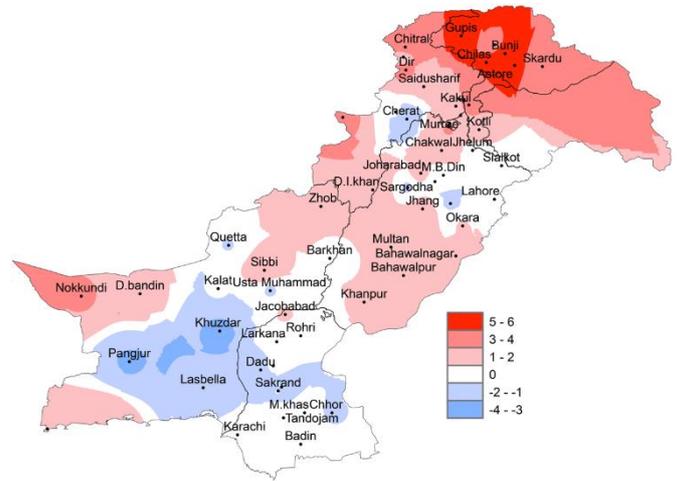


Figure 3: Departure of Maximum temperature.

**Actual & Departure of Mean temperature (°C) for the Previous week (05<sup>th</sup> - 11<sup>th</sup> August 2024)**

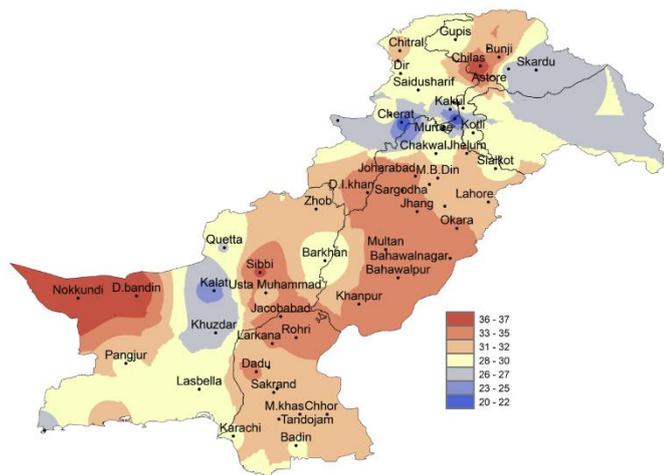


Figure 5: Actual Mean temperature.

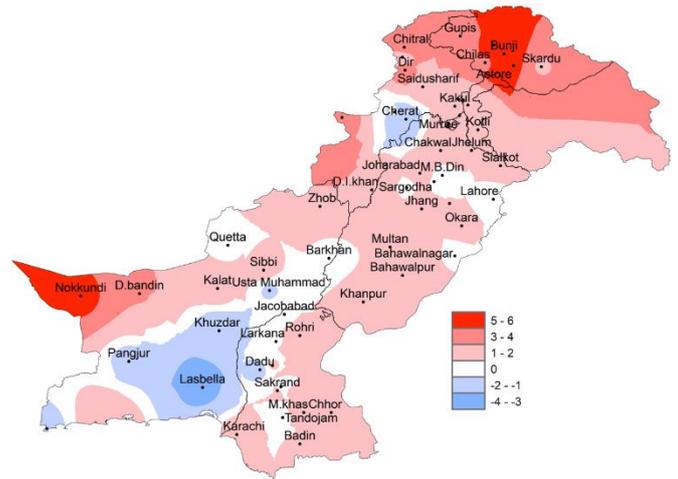


Figure 4: Departure of Mean temperature.

Actual Minimum temperature (°C) during the Previous week (05<sup>th</sup> - 11<sup>th</sup> August 2024)

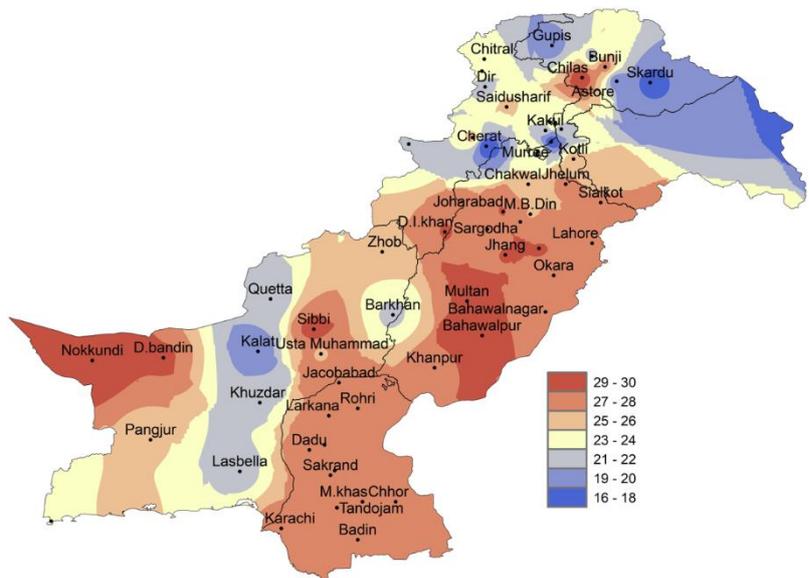


Figure 6: Actual Minimum temperature.

Departure of Minimum temperature (°C) during the Previous week (05<sup>th</sup> - 11<sup>th</sup> August 2024)

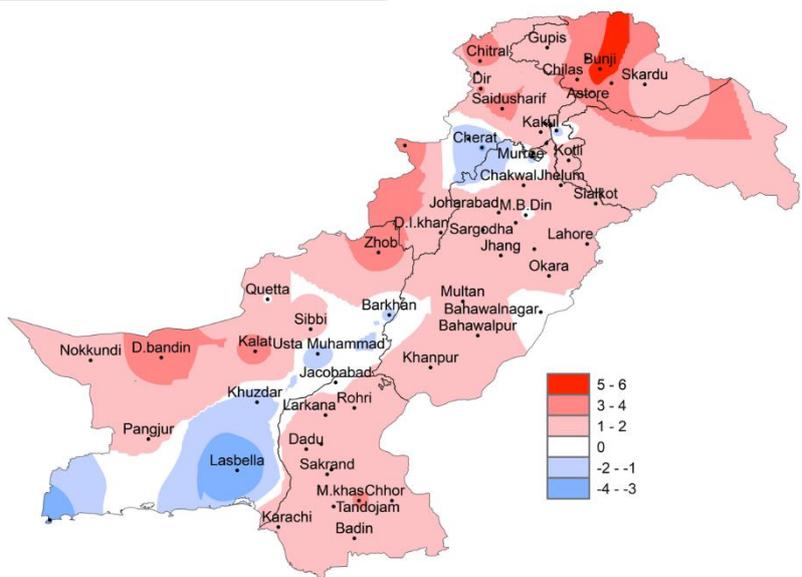


Figure 7: Departure of Minimum temperature.

Mean Relative Humidity (%) during the Previous week (05<sup>th</sup> - 11<sup>th</sup> August 2024)

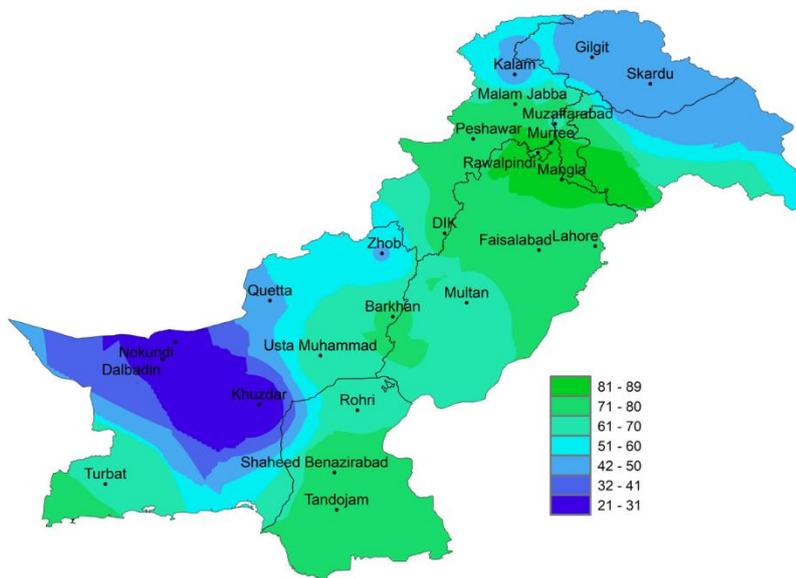


Figure 8: Relative Humidity

Total Growing Degree Days accumulated during the Previous week (05<sup>th</sup> - 11<sup>th</sup> August 2024)

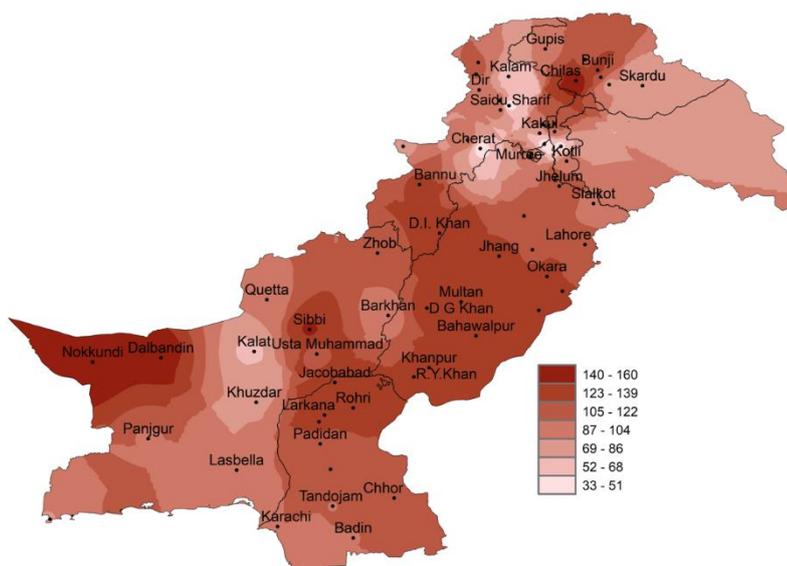


Figure 9: Growing Degree Days

**Mean Cloudiness (Octas) at 0800PST during the Previous week (05<sup>th</sup> - 11<sup>th</sup> August 2024)**

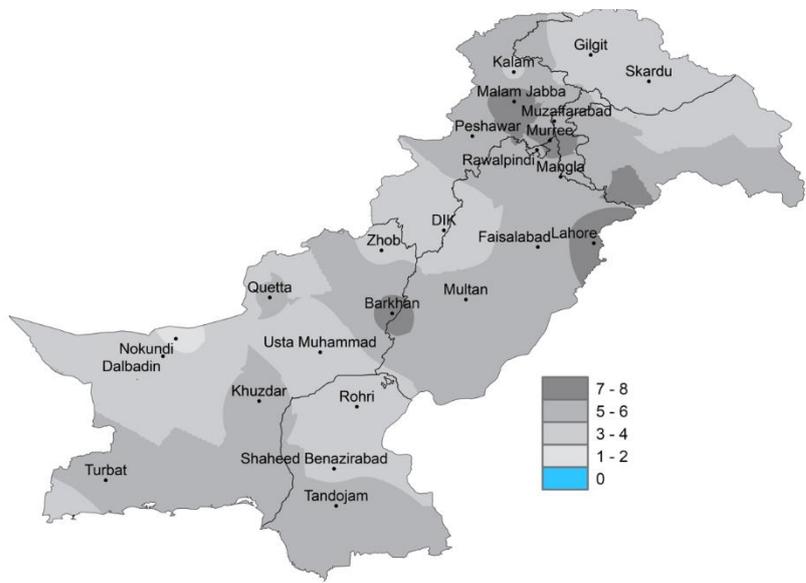


Figure 10: Mean Cloudiness at 0800

**Mean Cloudiness (Octas) at 1700PST during the Previous week (05<sup>th</sup> - 11<sup>th</sup> August 2024)**

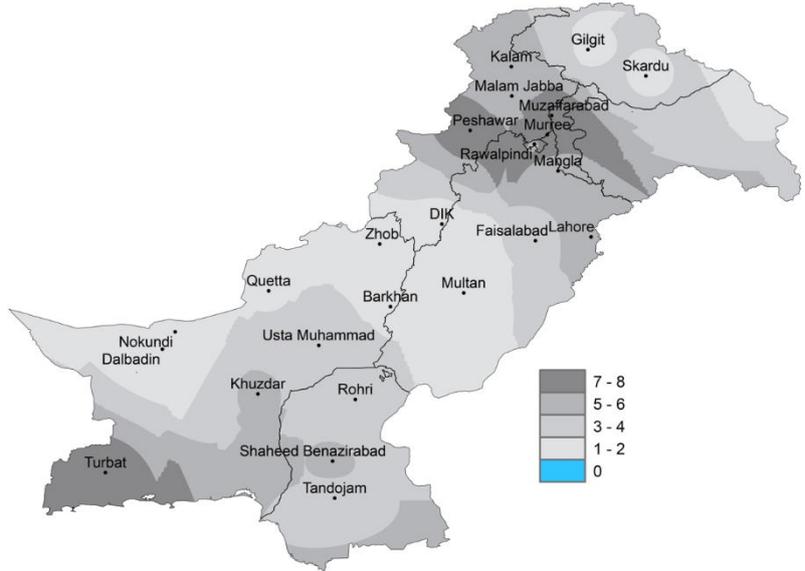


Figure 11: Mean Cloudiness at 1700

**Mean Wind Speed (Knots) at 0800PST during the  
Previous week (05<sup>th</sup> - 11<sup>th</sup> August 2024)**

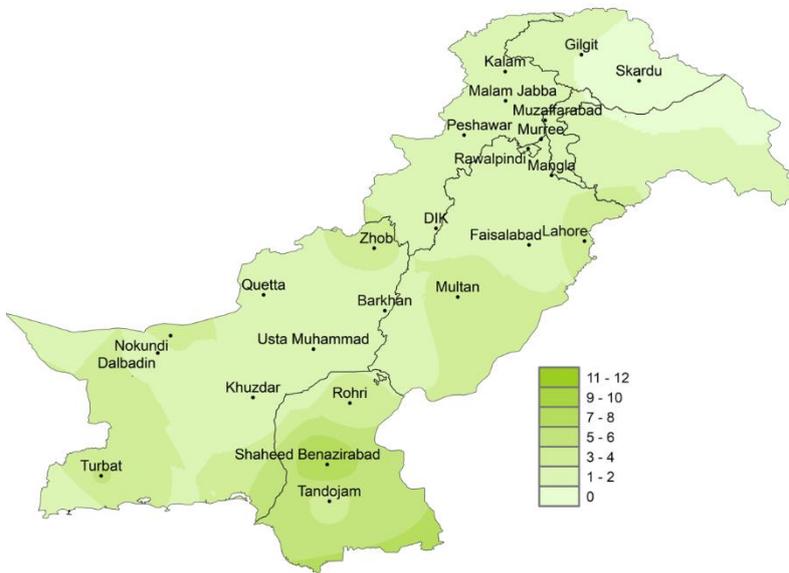


Figure 12: Mean Wind Speed 0300

**Mean Wind Speed (Knots) at 1700PST during the  
Previous week (05<sup>th</sup> - 11<sup>th</sup> August 2024)**

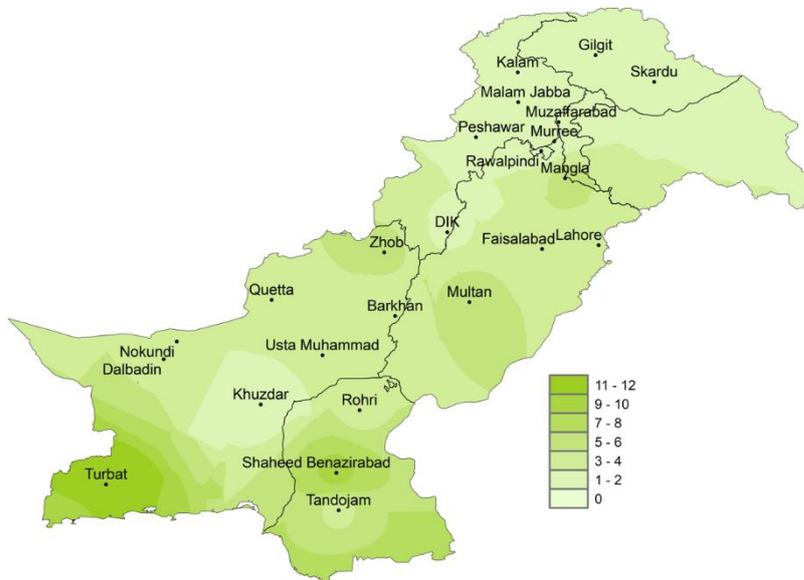
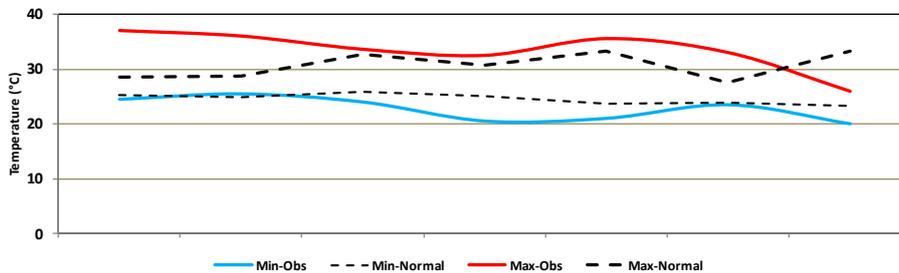


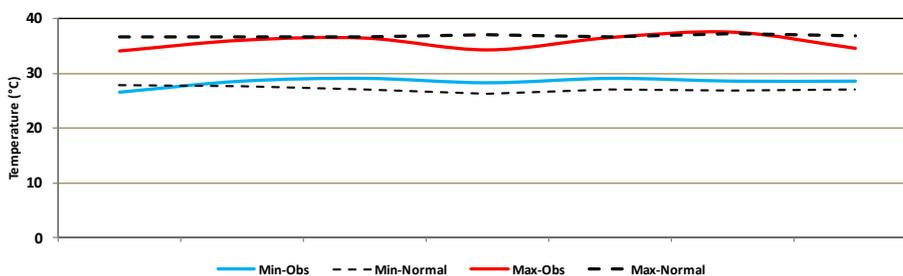
Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal) during the previous week (05<sup>th</sup> - 11<sup>th</sup> August 2024)

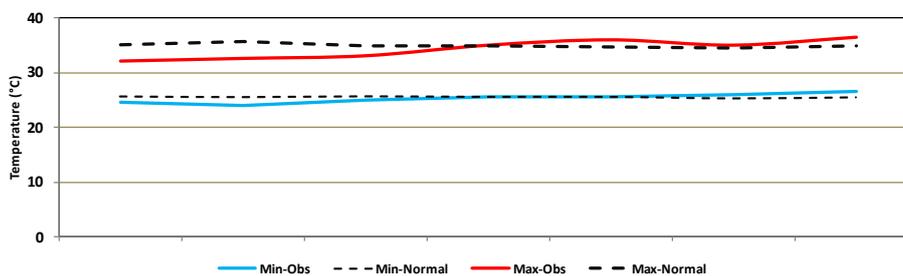
Rawalpindi (Min & Max Temperatures)



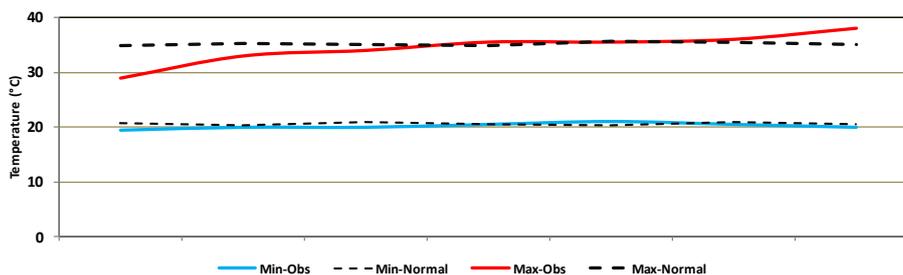
Faisalabad (Min & Max Temperatures)



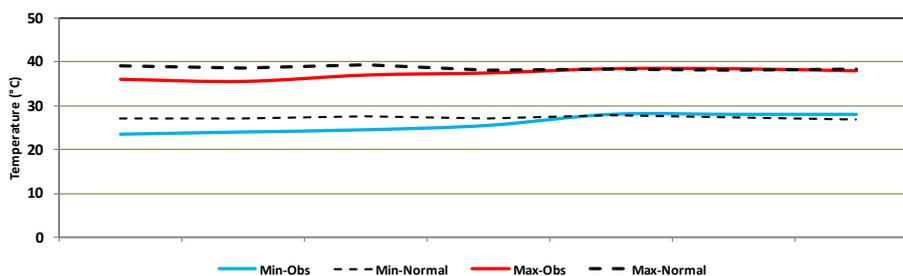
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



**Weekly Weather Advisory for Farmers****(12<sup>th</sup> – 18<sup>th</sup> August 2024)**

Monsoon currents from Arabian Sea and Bay of Bengal are penetrating upper/central parts of the country. A fresh westerly wave is likely to approach upper/central parts of the country on 14th August (night).

**MONDAY****12-08-2024**

Rain-wind/thundershower is expected in Kashmir, Khyber Pakhtunkhwa, upper Punjab, Islamabad, Northeast Balochistan and Southeast/Upper Sindh. Partly cloudy weather with light rain is expected at isolated places in coastal areas of Sindh.

**TUESDAY****13-08-2024**

Mainly hot and humid weather is expected in most parts of the country. However, rain-wind/thundershower is expected at isolated places in Kashmir, upper Khyber Pakhtunkhwa, northeast Punjab, Islamabad, Pothohar region and Northeast Balochistan. Partly cloudy weather with light rain is expected at isolated places in coastal areas of Sindh.

**WEDNESDAY****14-08-2024**

Mainly hot and humid weather is expected in most parts of the country. However, rain-wind/thundershower (with isolated heavy fall) is expected in Kashmir, upper Khyber Pakhtunkhwa, Upper Punjab, Islamabad and Potohar region.

**THURSDAY****15-08-2024**

Rain-wind/thundershower is expected in Kashmir, upper/central Punjab, northeast Balochistan, Khyber Pakhtunkhwa, Islamabad, Potohar region and Gilgit-Baltistan. Scattered heavy falls also likely in Kashmir, northeast Punjab, Islamabad, Pothohar region and upper Khyber Pakhtunkhwa.

**FRIDAY****16-08-2024**

Rain-wind/thundershower is expected in Kashmir, Punjab, Khyber Pakhtunkhwa, Sindh, Islamabad, northeast Balochistan and Gilgit Baltistan. Scattered heavy fall also likely in Kashmir, upper Punjab, Islamabad and upper Khyber Pakhtunkhwa.

**SATURDAY****17-08-2024**

Rain-wind/thundershower is expected in Kashmir, Punjab, Khyber Pakhtunkhwa, Sindh, Islamabad, northeast Balochistan and Gilgit Baltistan.

Scattered heavy fall also likely in Kashmir, upper Punjab, Islamabad and upper Khyber Pakhtunkhwa.

**SUNDAY****18-08-2024**

Rain-wind/thundershower (with isolated heavyfalls) is expected at scattered places in south Punjab, south Khyber Pakhtunkhwa, south Balochistan, Sindh. Rain-wind/thundershower is expected at isolated places in upper Punjab, upper Khyber Pakhtunkhwa, northeast Balochistan, Kashmir and Gilgit Baltistan.

**ADVISORY FOR FARMERS**

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

**National Weather Data of Selected Cities from (29<sup>th</sup> July –04<sup>th</sup> August 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	38.9	41.5	130.3	73	0.0	1.9	2.6	1.4	1.4
Faisalabad	35.6	37.5	118.7	74	2.2	2.7	4.7	1.7	2.6
Gawadar	32.8	34.5	102.5	75	5.5	6.5	3.2	0.0	9.7
Gilgit	38.9	41.0	113.0	47	0.0	2.0	2.9	0.0	2.0
Kalam	27.8	28.5	56.4	42	0.0	4.7	3.6	0.3	0.0
Lahore	33.9	35.5	104.5	79	79.5	5.7	7.0	2.6	2.0
Malam Jabba	23.3	25.5	31.5	80	115.0	5.3	7.7	0.0	0.6
Mangla	33.4	35.8	106.1	82	33.6	5.3	4.4	2.3	5.4
Multan (PBO)	38.0	40.5	128.5	67	9.0	1.3	4.6	3.4	5.4
Murree	23.1	24.0	33.8	89	48.0	7.0	8.0	1.7	0.6
Muzaffarabad	36.3	38.0	107.7	67	28.0	6.6	4.4	0.0	0.0
Sh. Ben. Abad	37.0	39.5	120.6	72	0.0	4.3	3.7	8.0	9.7
Peshawar	34.9	37.4	104.6	77	53.0	6.6	4.7	1.1	2.0
Quetta	34.4	38.0	156.3	50	3.8	2.1	4.1	2.1	3.9
Rawalpindi	33.4	37.0	91.3	79	176.0	5.7	5.4	0.6	1.2
Rohri	37.6	40.5	124.3	69	2.0	2.4	2.7	2.9	3.1
Skardu	34.2	36.3	74.9	42	1.6	2.1	3.6	0.0	0.0
Tandojam	34.3	36.5	103.5	77	3.0	3.7	4.9	3.1	3.1
U.Muhammad	37.3	38.5	186.3	67	16.8	3.0	2.7	1.7	2.8
Zhob	36.3	38.0	110.3	50	0.0	1.7	3.9	2.9	4.7

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