

Weekly Weather and Crop Bulletin for Pakistan

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Rainfall Distribution (mm) during the Previous Week (12th - 18th August 2024)

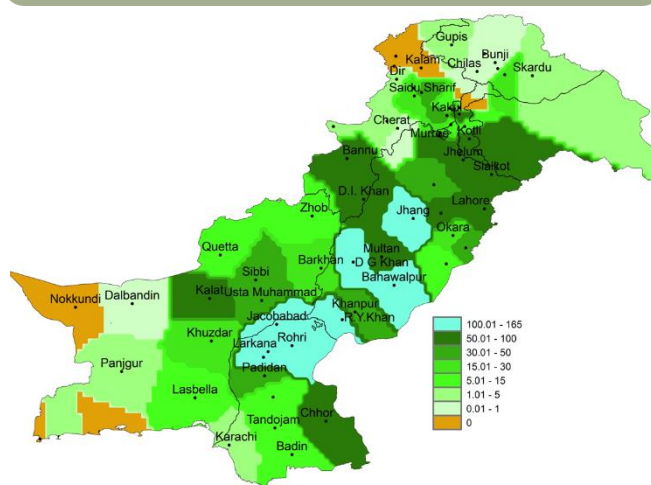


Figure 1: Rainfall.

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Highlights of Past Weather (12th - 18th August 2024)

- Moderate to heavy rain was reported from throughout the country during the previous week.
- Normal to below normal daily maximum temperatures were observed in most parts of the country whereas above normal in GB/Kashmir, upper KP and isolated southern parts of Sindh and Baluchistan.
- Daily minimum temperatures were observed above normal in most parts of the country.
- Near normal mean daily temperatures were observed in most parts of the country.

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Past Weather of Provinces **(12th - 18th August 2024)**

Punjab

Moderate to heavy rainfall was reported from the Punjab province. Weekly maximum and minimum temperatures recorded as 34.5°C & 26.1°C respectively. For the recent week on average 107.1 growing degree days were accumulated. Average relative humidity recorded as 79% and wind speed in the morning/evening recorded as 1.1/3.5 Knots. Maximum rainfall was reported as 161.00 mm from D. G. Khan. However, highest maximum temperature was recorded as 41.5°C at Bhakkar.

Baluchistan

Moderate to heavy rainfall was reported from the province. Weekly maximum and minimum temperatures recorded as 35.1°C & 25.1°C respectively. For the recent week on average 106.0 growing degree days were accumulated. Average relative humidity recorded 46% and wind speed in the morning/evening recorded as 1.6/4.7 Knots. Maximum rainfall was reported as 55.00 mm from Kalat. However, highest maximum temperature was recorded as 48.5°C at Nokundi.

Khyber Pakhtunkhwa

Moderate to heavy rainfall was reported from Khyber Pakhtunkhwa province. Weekly maximum and minimum temperatures recorded as 32.9°C & 23.2°C respectively. For the recent week on average 91.2 growing degree days were accumulated. Average relative humidity recorded as 79% and wind speed in the morning/evening recorded as 0.9/2.2 Knots. Maximum rainfall was reported as 71.20 mm from D. I. Khan. However, highest maximum temperature recorded as 41.5°C at D. I. Khan.

Sindh

Moderate to heavy rain was reported from Sindh. Weekly maximum and minimum temperatures recorded as 35.5°C & 27.5°C respectively. For the recent week, on average 115.3 growing degree days were accumulated. Average relative humidity recorded as 74% and wind speed in the

morning/evening recorded as 4.4/5.5 Knots. Maximum rainfall was reported as 163.00 mm from Jacobabad. However, highest maximum temperature recorded as 41.0°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 34.4°C & 21.6°C respectively. For the recent week on average 91.0 growing degree days were accumulated. Average relative humidity recorded as 59%. and wind speed recorded in the morning/evening as 0.3/1.0. Highest rainfall was reported as 92.00 mm from Garhi Dopatta. However, highest maximum temperature recorded as 43.6°C at Chilas.

Past Weather for Major Agricultural Plains**(12th - 18th August 2024)****Rawalpindi (Potohar region)**

Rainfall reported as 51.21 mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 5.4/4.9 Oktas, average relative humidity observed as 80%. Mean maximum time temperature was recorded as 33.4°C and for the recent week 92.6 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 37.0°C.

Faisalabad (Central Punjab)

Rainfall reported as 39.00 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded 4.5/6.0 Oktas while, average relative humidity observed as 79%. Mean maximum time temperature recorded 35.1°C & for the recent week 115.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.2/3.1 Knots. The highest maximum temperature was recorded as 38.0°C.

Tandojam (Lower Sindh)

Rainfall reported as 3.50 mm from Tandojam during the week; however, cloudiness in the morning/evening recorded as 4.7/3.3 oktas while, average relative humidity observed as 78%. Mean maximum time temperature recorded as 33.7°C & for the recent week 105.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 4.9/5.7 Knots. The highest maximum temperature was recorded as 35.5°C.

Usta Muhammad (Eastern Baluchistan)

Rainfall reported as 47.60 mm from Usta Muhammad during the week; however, cloudiness in the morning/evening recorded as 3.7/4.5. Average relative humidity observed as 76%. Mean maximum time temperature recorded as 35.6°C & for the recent week 179.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.5/3.4 Knots. The highest maximum temperature was recorded as 39.0°C.

Quetta (Northern Baluchistan)

Rainfall reported as 1.31 mm from Quetta during the week; however, cloudiness in the morning/evening recorded as 1.6/4.7 Oktas while, average relative humidity observed as 55%. Mean maximum time temperature recorded as 33.1°C & for the recent week 153.5 growing degree days accumulated. Wind speed recorded in the

morning/evening as 3.3/3.8 Knots. The highest maximum temperature was recorded as 35.5°C.

Past Weather for Sub-Regional Agricultural Plains (12th - 18th August 2024)**Multan**

Rainfall reported as 92.00 mm from Multan during the week; however, cloudiness in the morning/evening recorded as 5.0/5.0 Oktas. Average relative humidity observed as 80%. Mean maximum time temperature recorded as 33.4°C & for the recent week 92.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.2/0.2 Knots.

Lahore

Rainfall reported as 84.51 mm from Lahore during the week; cloudiness in the morning/evening recorded as 5.1/6.4 Oktas, average relative humidity observed as 76%. Mean maximum time temperature recorded as 34.4°C & for the recent week 105.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/2.9 Knots.

Zhob

Rainfall reported as 13.00 mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 4.6/5.7 Oktas. Average relative humidity observed as 47%. Mean maximum time temperature recorded as 35.1 °C & for the recent week 106.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.3/3.6 Knots.

Murree

Rainfall reported as 13.50 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 6.6/8.0 Oktas while, average relative humidity observed as 85%. Mean maximum time temperature recorded as 23.4°C & for the recent week 34.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/2.3 Knots.

D.I. Khan

Rainfall reported as 71.20 mm from D.I. Khan during the week; however, cloudiness observed in the morning/evening recorded as 2.7/2.4. Average relative humidity observed as 76%. Mean maximum time temperature recorded as 36.2°C & for the recent week 116.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/1.4 Knots.

Peshawar

Rainfall reported as 2.01 mm from Peshawar during the week; however, cloudiness in the morning/evening recorded as 7.0/5.1 Oktas while, average relative humidity observed as 78%. Mean maximum time temperature was recorded as 35.5°C & for the recent week 109.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/2.6 Knots.

Kalam

Dry weather reported from Kalam during the week; however, cloudiness in the morning/evening recorded as 5.7/4.0 Oktas while, average relative humidity observed as 42%. Mean maximum time temperature recorded as 26.9°C & for the recent week 51.2 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.4 Knots.

Gilgit

Rainfall reported as 0.01 (trace) mm from Gilgit during the week, cloudiness in the morning/evening recorded as 2.6/4.9 Oktas while, average relative humidity observed as 54%. Mean maximum time temperature recorded as 38.0°C & for the recent week 105.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/2.6 Knots.

Skardu

Rainfall reported as 3.10 mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 3.3/4.0 Oktas while, average relative humidity observed as 42%. Mean maximum time temperature recorded as 33.3°C & for the recent week 74.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.4 Knots.

**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 Completed. 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)

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

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 (12th - 18th August 2024)

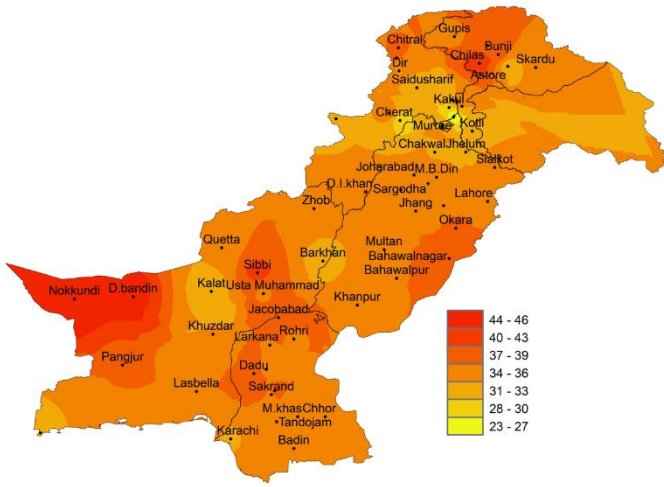


Figure 2: Actual Maximum temperature.

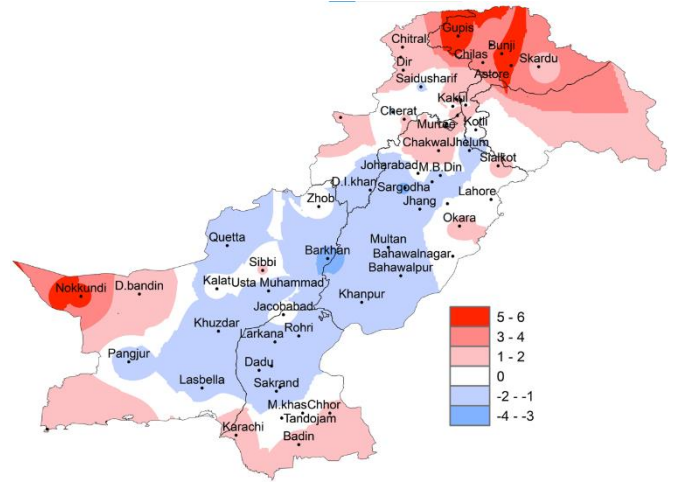


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (12th - 18th August 2024)

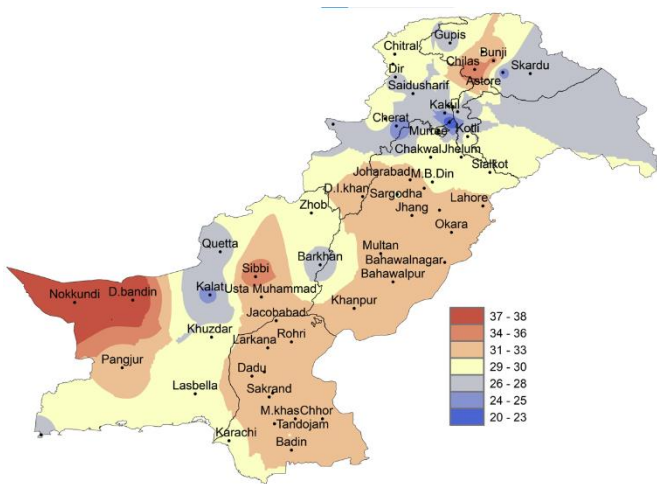


Figure 5: Actual Mean temperature.

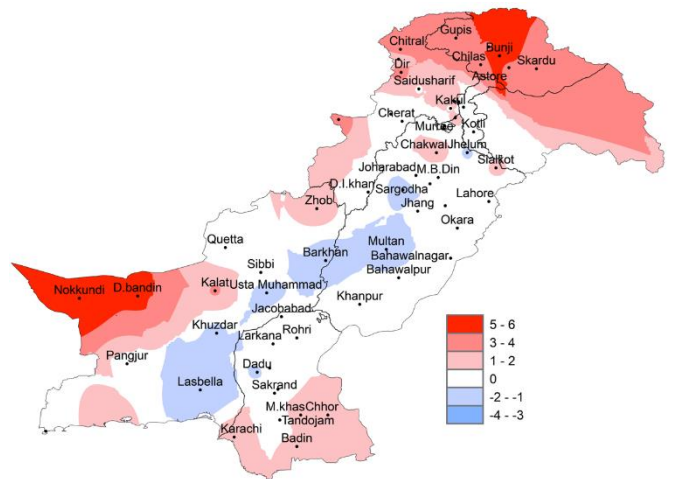


Figure 4: Departure of Mean temperature.

Actual Minimum temperature (°C) during the Previous week (12th - 18th August 2024)

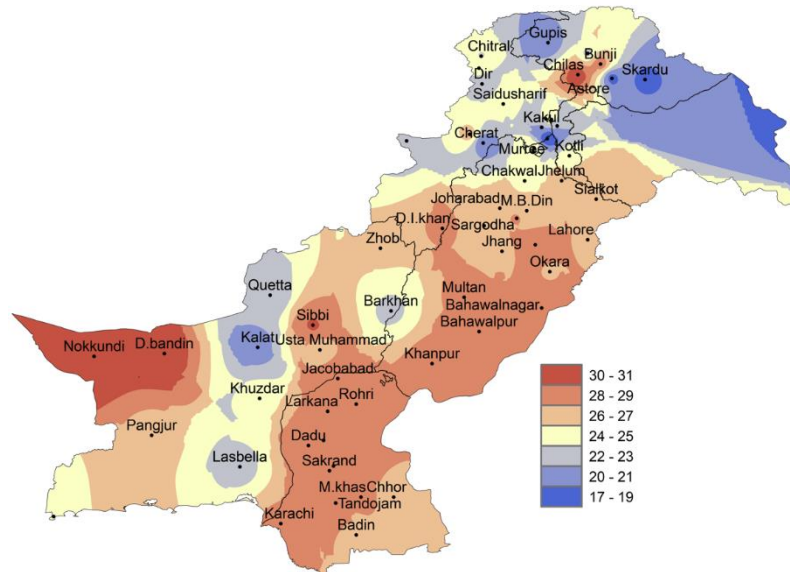


Figure 6: Actual Minimum temperature.

Departure of Minimum temperature (°C) during the Previous week (12th - 18th August 2024)

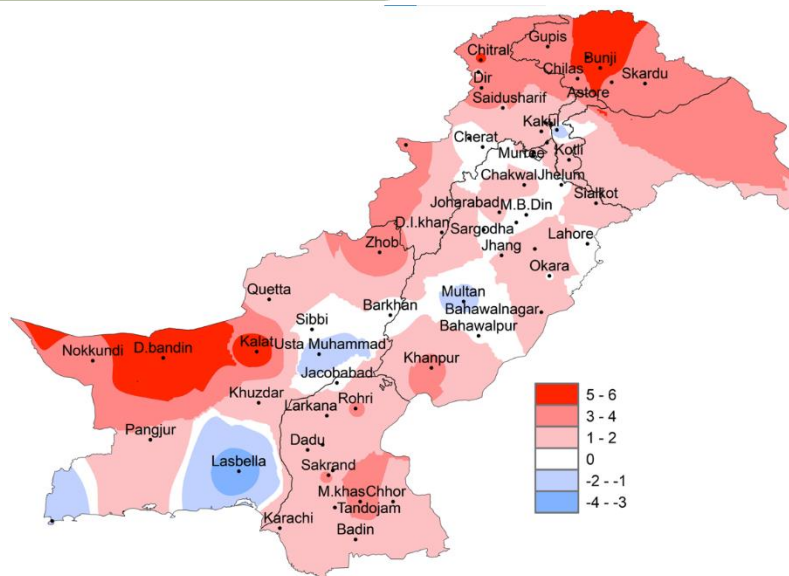


Figure 7: Departure of Minimum temperature.

Mean Relative Humidity (%) during the Previous week (12th - 18th August 2024)

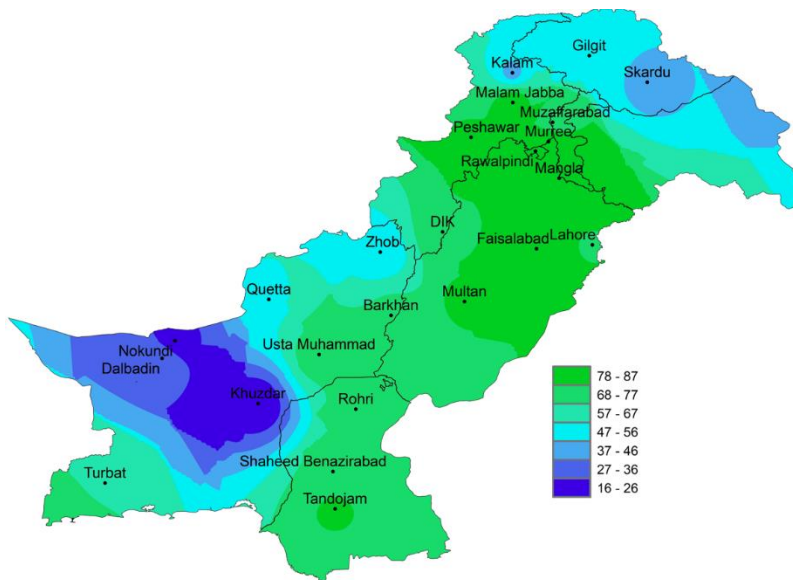


Figure 8: Relative Humidity

Total Growing Degree Days accumulated during the Previous week (12th - 18th August 2024)

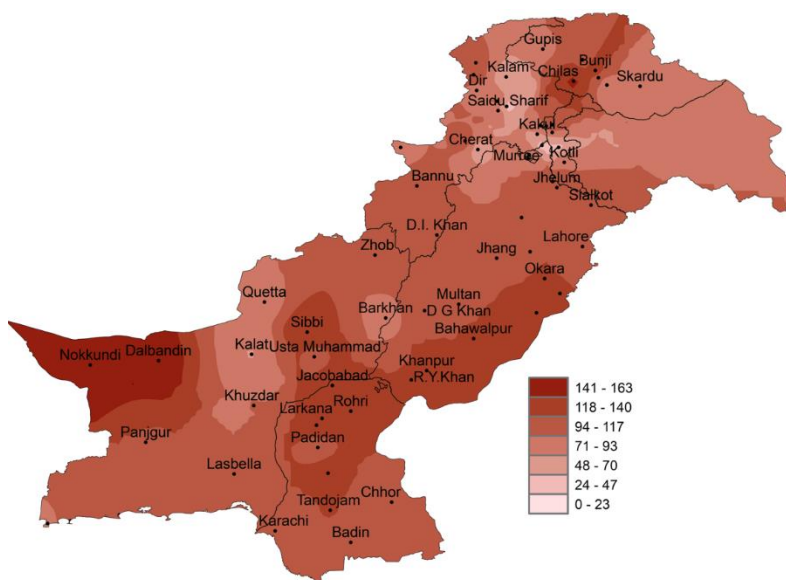


Figure 9: Growing Degree Days

**Mean Cloudiness (Octas) at 0800PST during the
Previous week (12th - 18th August 2024)**

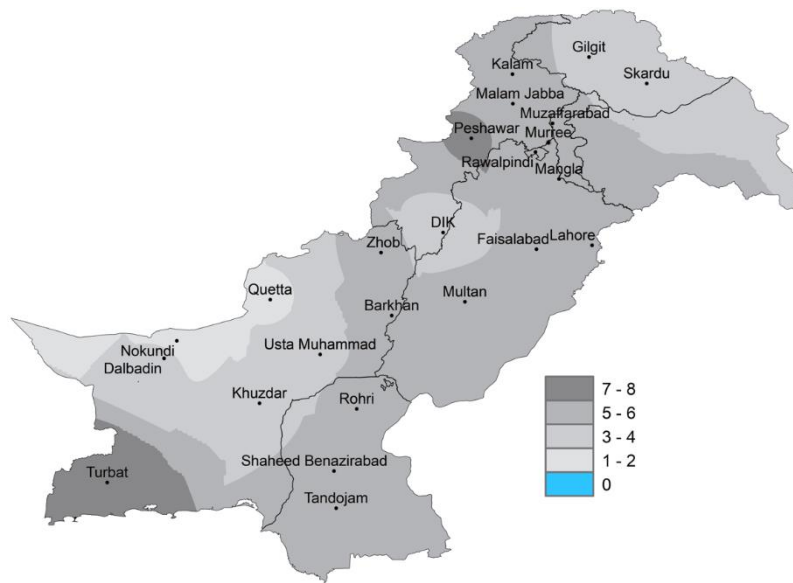


Figure 10: Mean Cloudiness at 0800

**Mean Cloudiness (Octas) at 1700PST during the
Previous week (12th - 18th August 2024)**

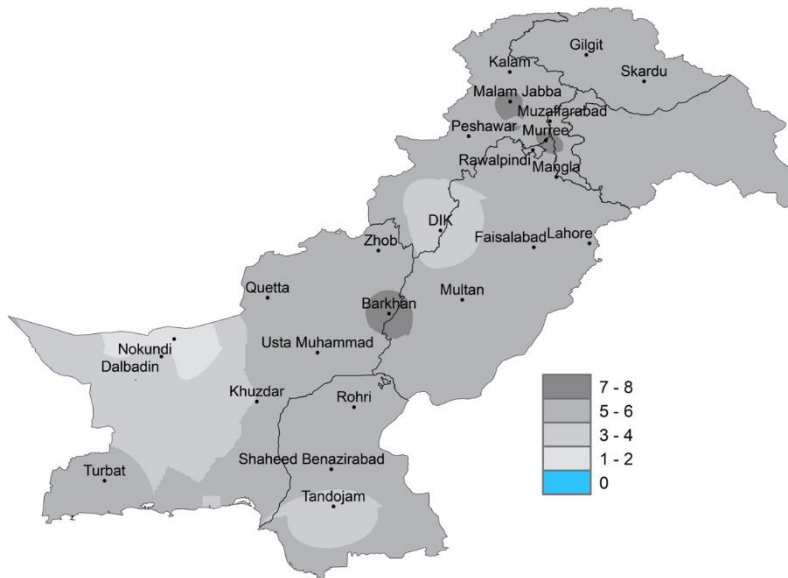


Figure 11: Mean Cloudiness at 1700

**Mean Wind Speed (Knots) at 0800PST during the
Previous week (12th - 18th August 2024)**

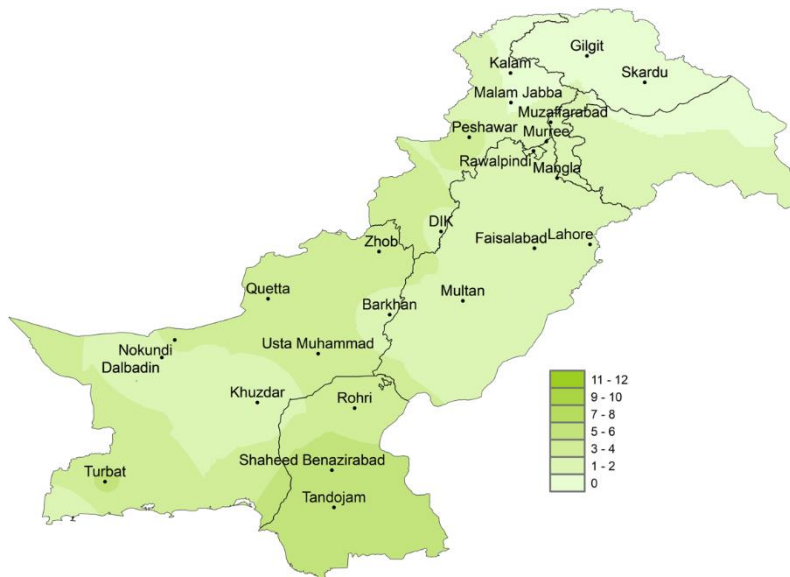


Figure 12: Mean Wind Speed 0300

**Mean Wind Speed (Knots) at 1700PST during the
Previous week (12th - 18th August 2024)**

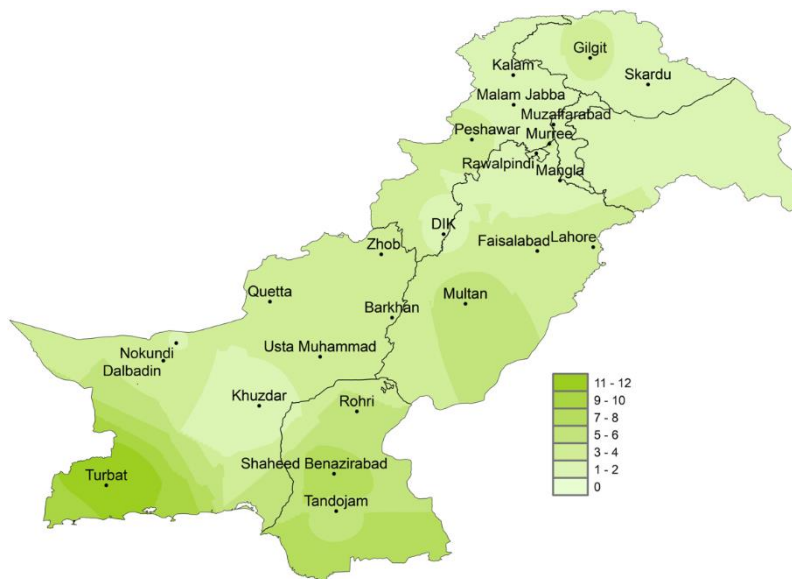
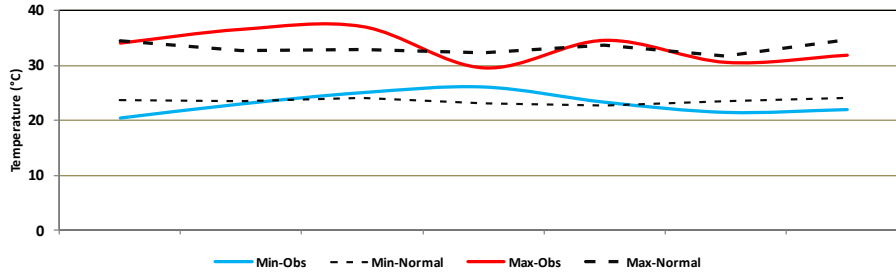


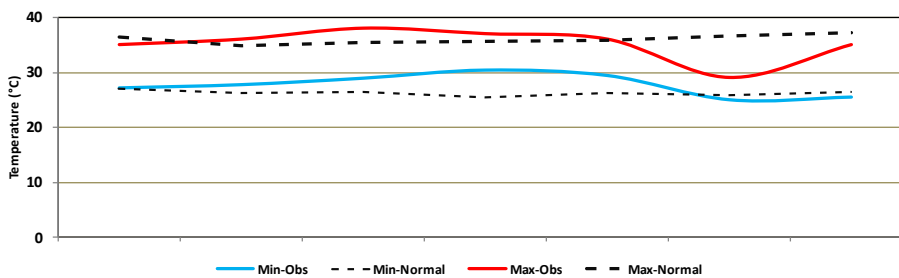
Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal) during the previous week (12th - 18th August 2024)

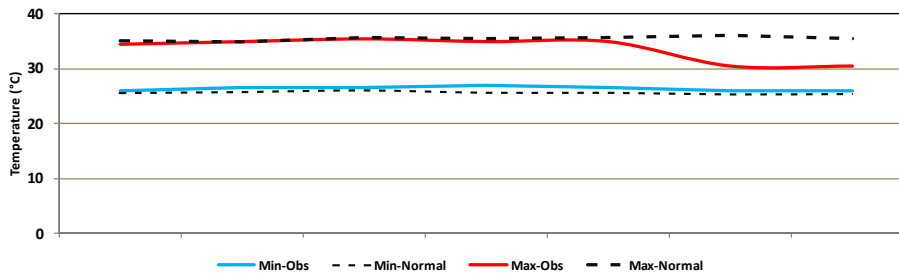
Rawalpindi (Min & Max Temperatures)



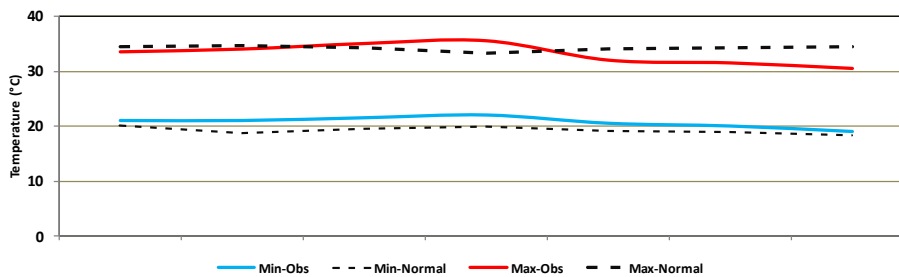
Faisalabad (Min & Max Temperatures)



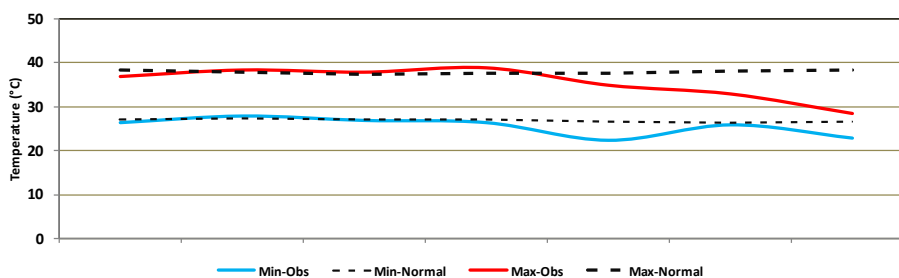
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**(19th – 25th August 2024)**

Monsoon currents from Arabian Sea are penetrating southern & eastern parts of the country. A westerly wave is also present over upper parts.

MONDAY**19-08-2024**

Rain-wind/thundershower is expected in northeast/eastern Punjab, south/northeast Balochistan, Potohar region, upper Khyber Pakhtunkhwa, Kashmir, and Gilgit Baltistan.

TUESDAY**20-08-2024**

Rain-wind/thundershower is expected in Kashmir, northeast Punjab, Potohar region, Khyber Pakhtunkhwa, northeastern Balochistan and Gilgit Baltistan. Heavy falls may also occur at isolated places in upper Khyber Pakhtunkhwa and Potohar region during the period.

WEDNESDAY**21-08-2024**

Rain-wind/thundershower is expected in northeast Balochistan, upper/central Punjab, Islamabad, Potohar Region, Khyber Pakhtunkhwa, Gilgit Baltistan and Kashmir. Isolated heavy falls are also likely in Islamabad, Kashmir, northeast Balochistan and Potohar Region. Isolated rain-wind/thundershower is likely in upper Sindh.

THURSDAY**22-08-2024**

Rain-wind/thundershower is expected in northeast Balochistan, upper/central Punjab, Islamabad, Potohar Region, Khyber Pakhtunkhwa, Gilgit Baltistan and Kashmir. Isolated heavy falls are also likely in Islamabad, Kashmir, northeast Balochistan and Potohar Region. Isolated rain-wind/thundershower is likely in upper Sindh.

FRIDAY**23-08-2024**

Mainly humid weather is expected in most parts of the country. However, rain-wind/thunderstorm is likely at isolated places in upper Khyber Pakhtunkhwa, northeast Punjab, Potohar region, Gilgit Baltistan and Kashmir.

SATURDAY**24-08-2024**

Mainly humid weather is expected in most parts of the country. However, rain-wind/thunderstorm is likely at isolated places in northeast Punjab, Kashmir, Potohar region and upper Khyber Pakhtunkhwa.

SUNDAY**25-08-2024**

Mainly humid weather is expected in most parts of the country. However, rain-wind/thundershower is likely at isolated places in northeast Punjab, Kashmir, Potohar region and upper Khyber Pakhtunkhwa.

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (12th - 18th 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	36.2	41.5	116.3	76	71.2	2.7	2.4	1.4	1.4
Faisalabad	35.1	38.0	115.3	79	39.0	4.5	6.0	1.2	3.1
Gawadar	32.9	33.5	102.5	74	4.5	7.3	4.1	0.0	9.4
Gilgit	38.0	41.0	105.6	54	0.0	2.6	4.9	0.0	2.6
Kalam	26.9	28.0	51.2	42	0.0	5.7	4.0	0.0	0.4
Lahore	34.4	36.3	105.7	76	84.5	5.1	6.4	1.1	2.9
Malam Jabba	22.6	24.5	28.3	87	37.0	5.3	7.1	0.0	1.7
Mangla	33.2	36.5	97.5	84	51.6	4.7	4.9	1.1	0.9
Multan (PBO)	35.4	39.2	115.2	78	92.0	5.0	5.0	1.1	5.4
Murree	23.4	25.5	34.5	85	13.5	6.6	8.0	1.1	2.3
Muzaffarabad	34.2	37.4	97.5	70	37.5	5.0	4.3	0.0	0.0
Sh. Ben. Abad	36.6	39.5	118.8	73	8.1	4.9	5.0	5.7	6.9
Peshawar	35.5	37.4	109.4	78	2.0	7.0	5.1	2.0	2.6
Quetta	33.1	35.5	153.5	55	1.3	1.6	4.7	3.3	3.8
Rawalpindi	33.4	37.0	92.6	80	51.2	5.4	4.9	0.2	0.2
Rohri	36.0	40.5	120.5	73	143.0	4.7	4.4	2.6	4.0
Skardu	33.3	37.4	74.5	42	3.1	3.3	4.0	0.0	0.4
Tandojam	33.7	35.5	105.3	78	3.5	4.7	3.3	4.9	5.7
U.Muhammad	35.6	39.0	179.3	76	47.6	3.7	4.5	2.5	3.4
Zhob	35.1	37.0	106.0	47	13.0	4.6	5.7	3.3	3.6

*** Shows that data was not available.