

Weekly Weather and Crop Bulletin for Pakistan

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Rainfall Distribution (mm) during the Previous Week (19th - 25th August 2024)

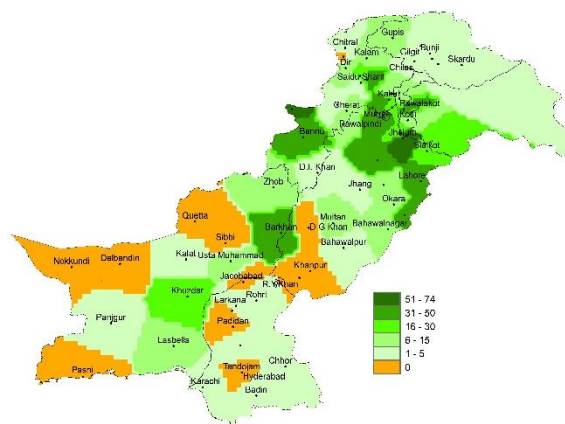


Figure 1: Rainfall.

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Highlights of Past Weather (19th - 25th August 2024)

- Light to moderate rain was reported from most parts of the country during the previous week whereas dry weather was reported from some isolated locations of Southwestern Punjab, Balochistan and Sindh.
- Normal to above normal daily maximum temperatures were observed in most parts of the country whereas below normal in isolated parts of GB, Kashmir, upper KP and most parts of Baluchistan.
- Daily minimum temperatures were observed normal to above normal in most parts of the country except eastern belt of Balochistan where below normal temperatures were reported.
- Normal to above normal mean daily temperatures were observed in most parts of the country while some parts of GB, Kashmir and Balochistan reported below normal mean temperatures.

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

Editor: Dr. Tariq Mahmood (Meteorologist)

Past Weather of Provinces **(19th - 25th August 2024)**

Punjab

Light to moderate rainfall was reported from the most parts of Punjab province. However, dry weather was reported from southwestern parts of the province. Weekly maximum and minimum temperatures recorded as 35.8°C & 26.2°C respectively. For the recent week on average 112.0 growing degree days were accumulated. Average relative humidity recorded as 73% and wind speed in the morning/evening recorded as 1.7/2.7 Knots. Highest rainfall was reported as 73.50 mm from Jhelum. However, highest maximum temperature was recorded as 40.0°C at Bahawalnagar, Bhakkar and Khanpur.

Baluchistan

Light to moderate rainfall was reported from the eastern parts whereas dry weather was observed from some western parts of the province. Weekly maximum and minimum temperatures recorded as 35.0°C & 24.6°C respectively. For the recent week on average 103.5 growing degree days were accumulated. Average relative humidity recorded 46% and wind speed in the morning/evening recorded as 1.7/5.2 Knots. Maximum rainfall was reported as 42.00 mm from Barkhan. However, highest maximum temperature was recorded as 43.5°C at Nokkundi.

Khyber Pakhtunkhwa

Light to moderate rainfall was reported from Khyber Pakhtunkhwa province. Weekly maximum and minimum temperatures recorded as 33.0°C & 21.2°C respectively. For the recent week on average 84.7 growing degree days were accumulated. Average relative humidity recorded as 73% and wind speed in the morning/evening recorded as 0.8/1.5 Knots. Maximum rainfall was reported as 51.00 mm from Parachinar. However, highest maximum temperature recorded as 39.5°C at D. I. Khan.

Sindh

Light to moderate rainfall was reported from Sindh. Weekly maximum and minimum temperatures recorded as 36.5°C & 27.4°C respectively. For the recent week, on average 118.7 growing degree days were accumulated. Average relative humidity recorded as 71% and wind speed in the morning/evening recorded as 3.6/4.4 Knots. Maximum rainfall was reported as 28.50 mm from Mithi. However, highest maximum temperature recorded as 40.00°C at Hyderabad.

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 31.6°C & 18.8°C respectively. For the recent week on average 71.3 growing degree days were accumulated. Average relative humidity recorded as 59%. and wind speed recorded in the morning/evening as 0.7/0.6. Highest rainfall was reported as 32.11 mm from Rawalakot. However, highest maximum temperature recorded as 41.0°C at Chilas.

Past Weather for Major Agricultural Plains**(19th - 25th August 2024)****Rawalpindi (Potohar region)**

Rainfall reported as 45.90 mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 1.9/2.6 Oktas, average relative humidity observed as 70%. Mean maximum time temperature was recorded as 35.5°C and for the recent week 96.0 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.2/0.5 Knots. The highest maximum temperature was recorded as 37.0°C.

Faisalabad (Central Punjab)

Rainfall reported as 6.40 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded 1.7/5.3 Oktas while, average relative humidity observed as 73%. Mean maximum time temperature recorded 36.4°C & for the recent week 120.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/2.0 Knots. The highest maximum temperature was recorded as 37.2°C.

Tandojam (Lower Sindh)

Dry weather reported from Tandojam during the week; however, cloudiness in the morning/evening recorded as 1.6/3.0 oktas while, average relative humidity observed as 70%. Mean maximum time temperature recorded as 36.3°C & for the recent week 113.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 4.3/5.4 Knots. The highest maximum temperature was recorded as 39.0°C.

Usta Muhammad (Eastern Baluchistan)

Rainfall reported as 7.00 mm from Usta Muhammad during the week; however, cloudiness in the morning/evening recorded as 3.0/2.8. Average relative humidity observed as 73%. Mean maximum time temperature recorded as 36.3°C & for the recent week 183.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/2.2 Knots. The highest maximum temperature was recorded as 38.5°C.

Quetta (Northern Baluchistan)

Dry weather reported from Quetta during the week; however, cloudiness in the morning/evening recorded as 1.0/3.0 Oktas while, average relative humidity observed as 37%. Mean maximum time temperature recorded as 33.4°C & for the recent week 146.5 growing degree days accumulated. Wind speed recorded in the morning/evening as

1.5/3.8 Knots. The highest maximum temperature was recorded as 34.5°C.

Past Weather for Sub-Regional Agricultural Plains (19th - 25th August 2024)**Multan**

Rainfall reported as 8.00 mm from Multan during the week; however, cloudiness in the morning/evening recorded as 2.1/3.9 Oktas. Average relative humidity observed as 70%. Mean maximum time temperature recorded as 36.8°C & for the recent week 124.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.9/6.0 Knots.

Lahore

Rainfall reported as 49.50 mm from Lahore during the week; cloudiness in the morning/evening recorded as 3.3/5.0 Oktas, average relative humidity observed as 71%. Mean maximum time temperature recorded as 35.0°C & for the recent week 108.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/1.1 Knots.

Zhob

Rainfall reported as 9.00 mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 2.9/4.6 Oktas. Average relative humidity observed as 44%. Mean maximum time temperature recorded as 35.0 °C & for the recent week 103.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.4/4.4 Knots.

Murree

Rainfall reported as 20.50 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 3.0/6.0 Oktas while, average relative humidity observed as 78%. Mean maximum time temperature recorded as 24.0°C & for the recent week 34.2 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/0.9 Knots.

D.I. Khan

Rainfall reported as 4.20 mm from D.I. Khan during the week; however, cloudiness observed in the morning/evening recorded as 2.6/2.3. Average relative humidity observed as 71%. Mean maximum time temperature recorded as 37.4°C & for the recent week 119.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.9/0.9 Knots.

Peshawar

Rainfall reported as 1.00 mm from Peshawar during the week; however, cloudiness in the morning/evening recorded as 2.6/4.3 Oktas while, average relative humidity observed as 68%. Mean maximum time temperature was recorded as 37.1°C & for the recent week 114.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.3/2.6 Knots.

Kalam

Rainfall reported as 14.30 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 3.0/4.3 Oktas while, average relative humidity observed as 48%. Mean maximum time temperature recorded as 25.6°C & for the recent week 28.3 growing degree days accumulated. Wind speed recorded in the morning/evening as calm.

Gilgit

Rainfall reported as 2.33 mm from Gilgit during the week, cloudiness in the morning/evening recorded as 4.9/5.4 Oktas while, average relative humidity observed as 49%. Mean maximum time temperature recorded as 33.9°C & for the recent week 77.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/1.4 Knots.

Skardu

Rainfall reported as 0.30 mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 3.3/4.3 Oktas while, average relative humidity observed as 48%. Mean maximum time temperature recorded as 28.8°C & for the recent week 44.9 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: Maturity. 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 (19th - 25th August 2024)

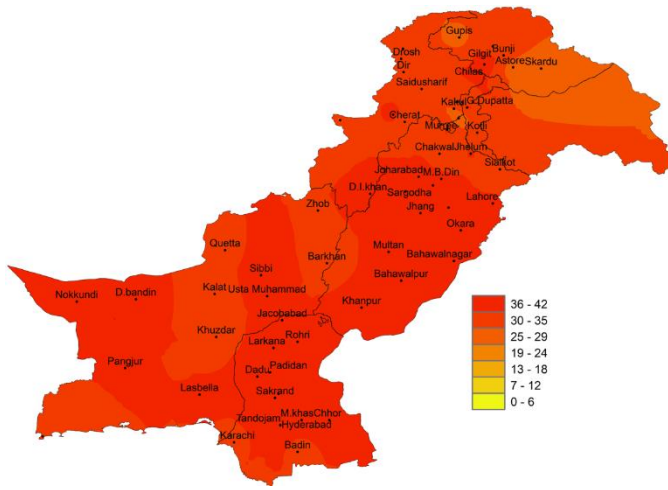


Figure 2: Actual Maximum temperature.

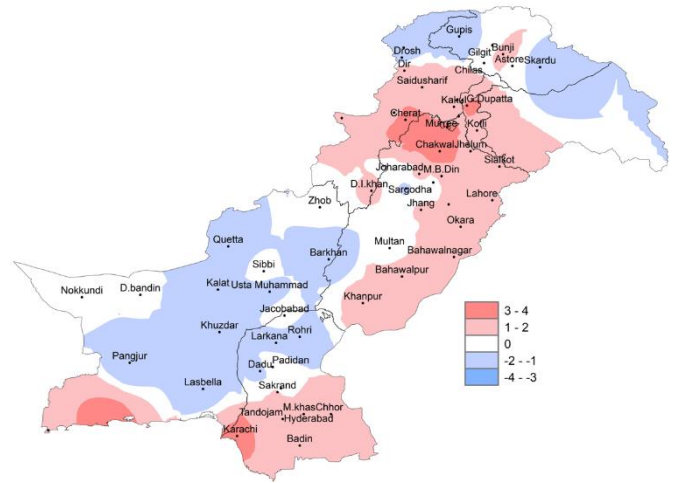


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (19th - 25th August 2024)

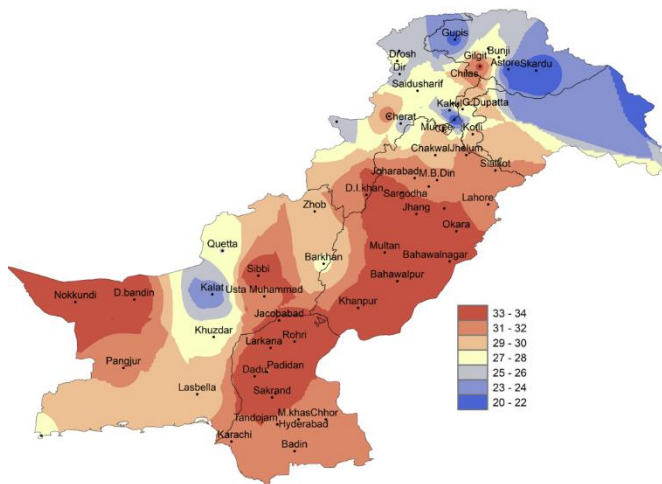


Figure 5: Actual Mean temperature.

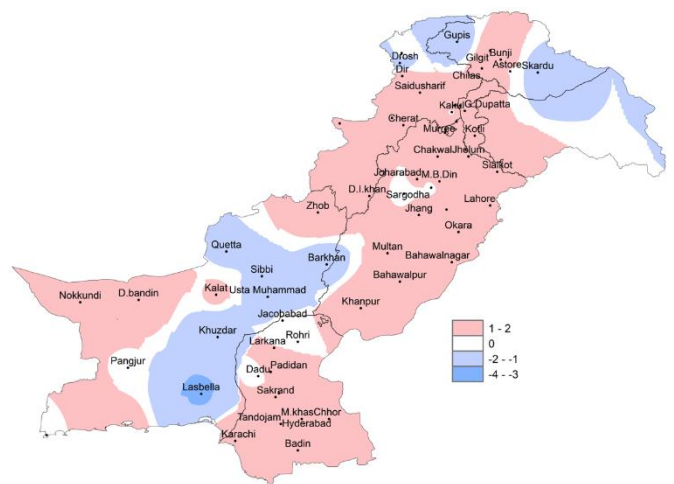


Figure 4: Departure of Mean temperature.

Actual Minimum temperature (°C) during the Previous week (19th - 25th August 2024)

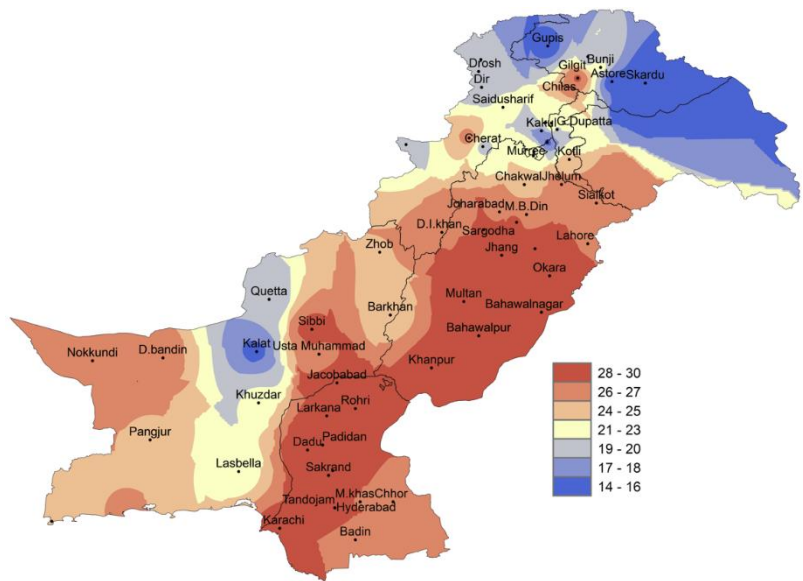


Figure 6: Actual Minimum temperature.

Departure of Minimum temperature (°C) during the Previous week (19th - 25th August 2024)

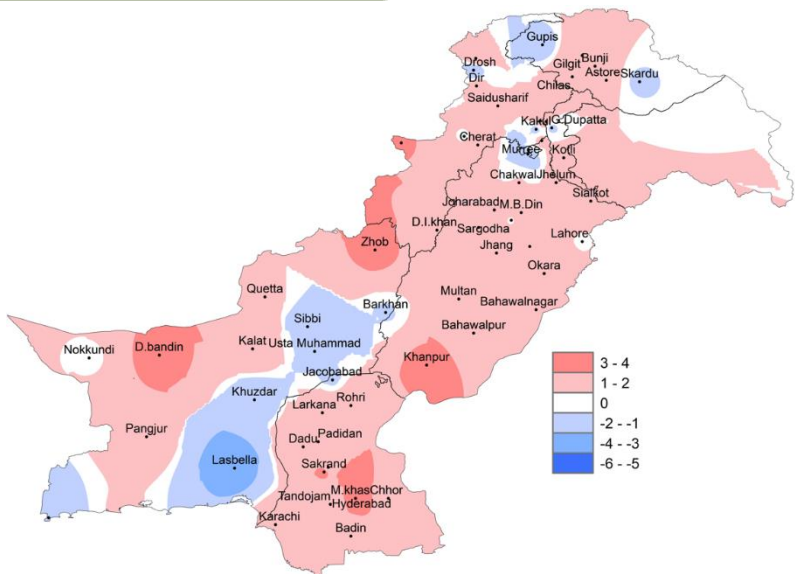


Figure 7: Departure of Minimum temperature.

Mean Relative Humidity (%) during the Previous week (19th - 25th August 2024)

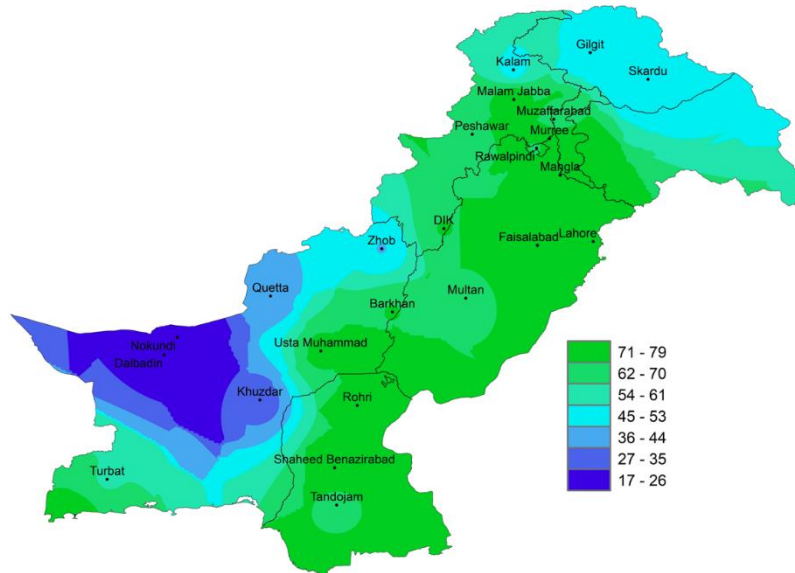


Figure 8: Relative Humidity

Total Growing Degree Days accumulated during the Previous week (19th - 25th August 2024)

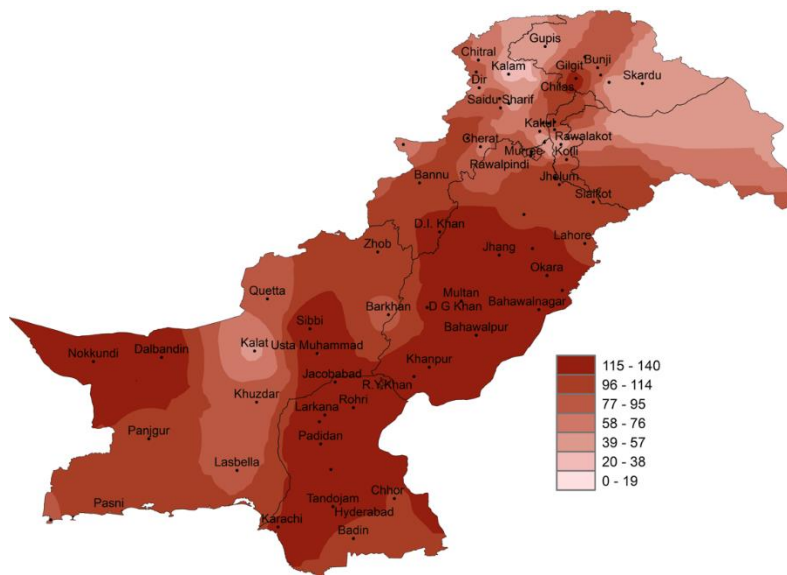


Figure 9: Growing Degree Days

Mean Cloudiness (Octas) at 0800PST during the Previous week (19th - 25th August 2024)

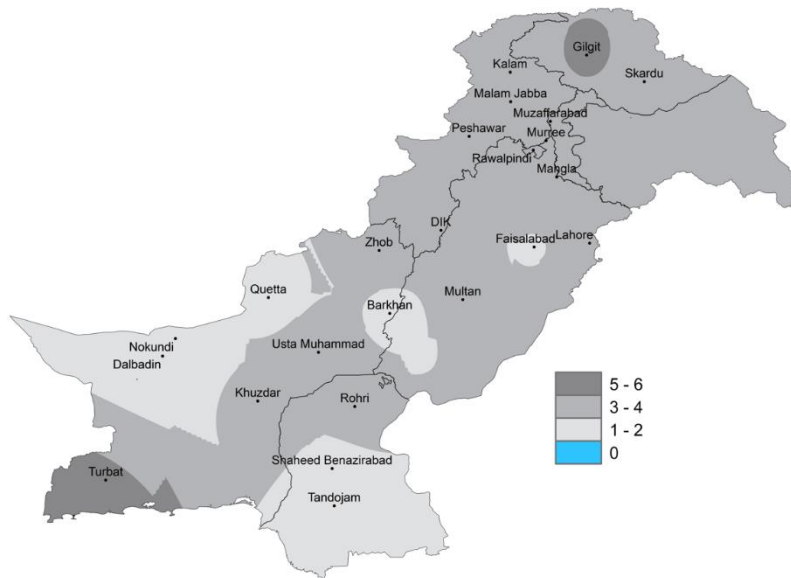


Figure 10: Mean Cloudiness at 0800

Mean Cloudiness (Octas) at 1700PST during the Previous week (19th - 25th August 2024)

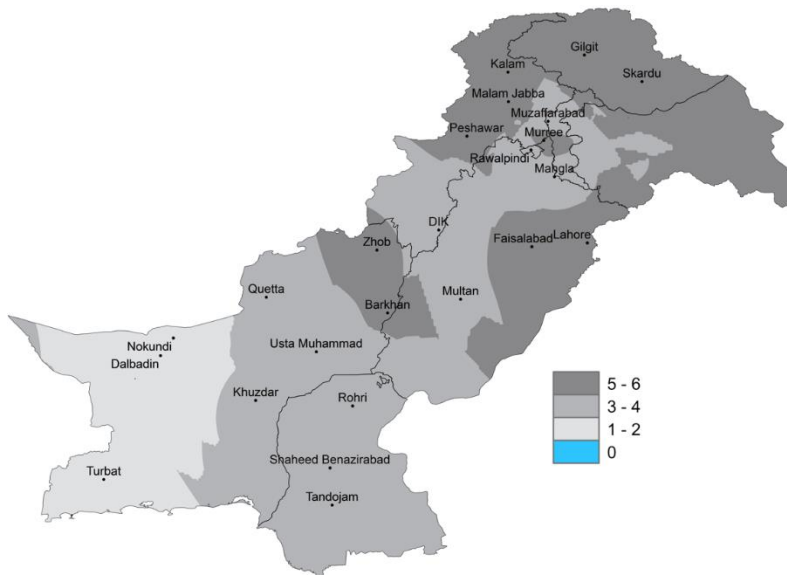


Figure 11: Mean Cloudiness at 1700

**Mean Wind Speed (Knots) at 0800PST during the
Previous week (19th - 25th August 2024)**

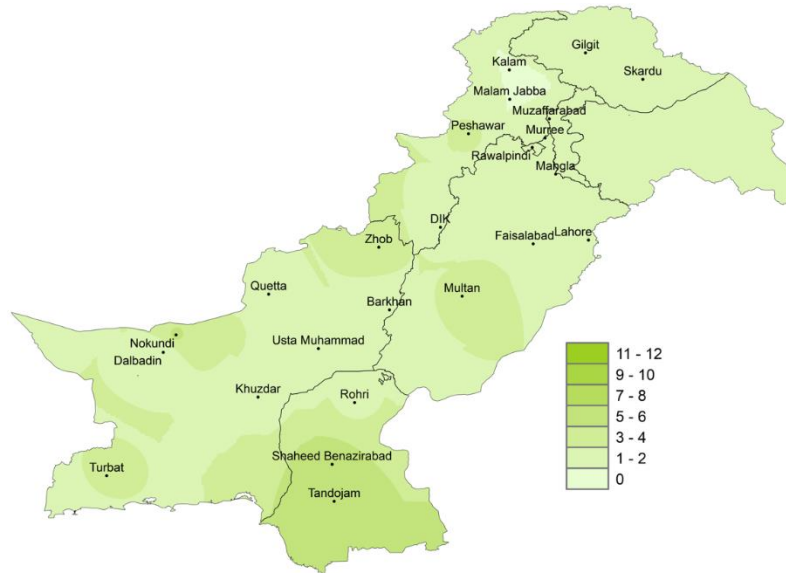


Figure 12: Mean Wind Speed 0300

**Mean Wind Speed (Knots) at 1700PST during the
Previous week (19th - 25th August 2024)**

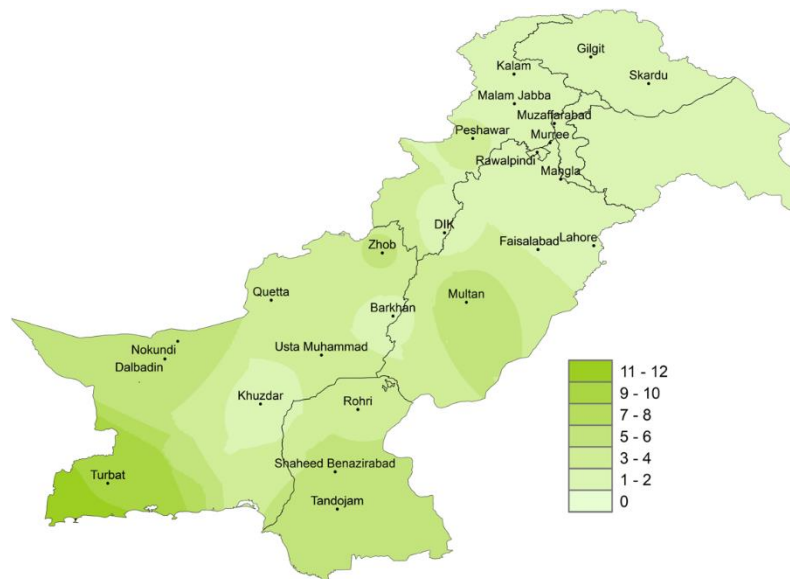
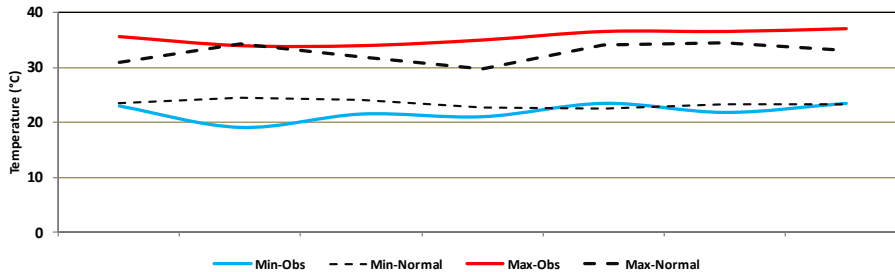


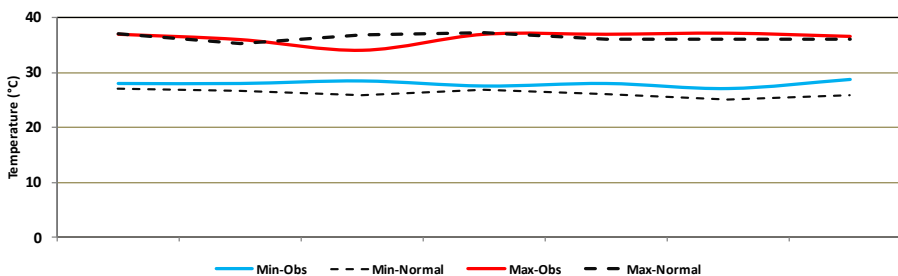
Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal) during the previous week (19th - 25th August 2024)

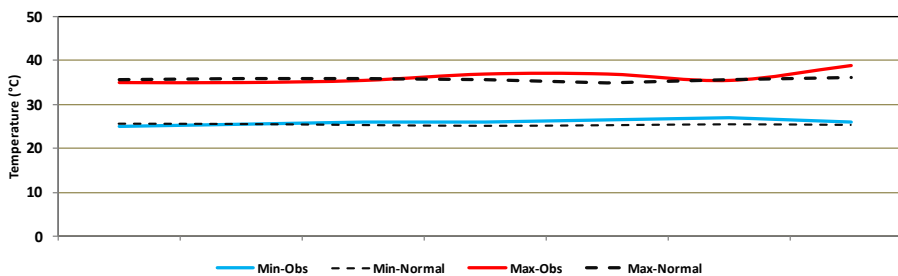
Rawalpindi (Min & Max Temperatures)



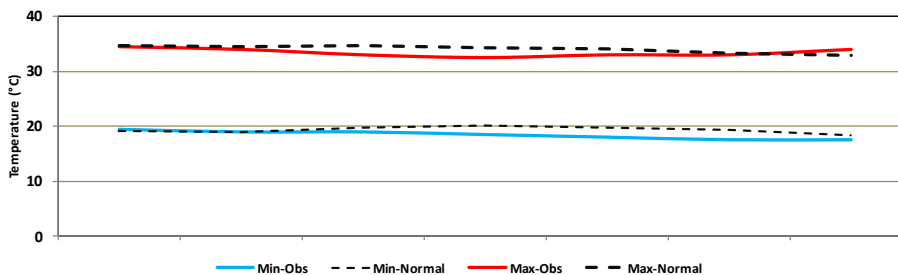
Faisalabad (Min & Max Temperatures)



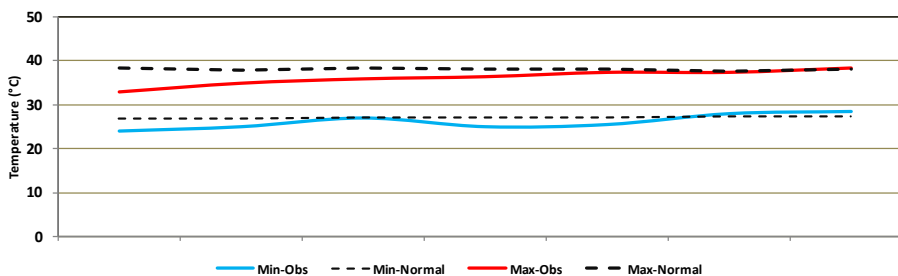
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**(26th August – 01st September 2024)**

Depression lies over west of Madhya Pradesh (India) and surroundings and further moving westwards. Due to this depression, strong monsoon currents are penetrating in southern parts of the country and in upper parts from evening/night. A trough of westerly wave is also present over upper parts of the country.

MONDAY**26-08-2024**

Rain-windstorm/thundershower is expected in Sindh, Upper Khyber Pakhtunkhwa, Northeast/South Punjab, Pothohar region, Islamabad, Northeast/South Balochistan, Kashmir and Gilgit-Baltistan. Heavy falls with gusty winds/windstorm are also likely at scattered places in southeastern/lower Sindh and upper Khyber Pakhtunkhwa during the period.

TUESDAY**27-08-2024**

Rain-windstorm/thundershower is expected in Sindh, Northeast/South Balochistan, Khyber Pakhtunkhwa, Punjab, Pothohar region, Islamabad, Kashmir and Gilgit-Baltistan. Heavy to very heavyfalls with gusty winds/windstorm are also likely at scattered places during the period.

WEDNESDAY**28-08-2024**

Rain-windstorm/thundershower is expected in Sindh, Punjab, northeast/south Balochistan, Khyber-Pakhtunkhwa, Islamabad, Kashmir and Gilgit-Baltistan. Scattered heavyfalls (with isolated very heavy) are expected in Sindh during this period. Heavyfalls may also occur at isolated places in south/central Punjab and eastern Balochistan.

THURSDAY**29-08-2024**

Rain-windstorm/thundershower is expected in Sindh, northeast/south Balochistan, Punjab, Khyber-Pakhtunkhwa, Islamabad, Kashmir and Gilgit-Baltistan. Scattered heavyfalls (with isolated very heavy) are expected in lower Sindh Gilgit Baltistan, upper Khyber-Pakhtunkhwa and Kashmir.

FRIDAY**30-08-2024**

Rain-windstorm/thundershower is expected in upper/ southeastern Balochistan, lower Sindh, Punjab, Khyber-Pakhtunkhwa, Islamabad, Kashmir, and Gilgit-Baltistan. Isolated heavyfalls in

Kashmir, north Balochistan, Punjab, Pothohar region and Sindh.

SATURDAY**31-08-2024**

Rain-wind/thundershower is likely in Kashmir, Gilgit-Baltistan, Upper Sindh, northeast/south Punjab, upper/western Khyber-Pakhtunkhwa, Sindh and northeastern/south Balochistan. Isolated heavy falls in upper Sindh, south Punjab and coastal areas of Balochistan.

SUNDAY**01-09-2024**

Rain-wind/thundershower is likely in Punjab, Khyber-Pakhtunkhwa, Kashmir, Gilgit-Baltistan, Coastal areas of Balochistan and upper Sindh. Mainly hot and humid weather is expected elsewhere in the country.

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (19th - 25th 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	37.4	39.5	119.0	71	4.2	2.6	2.3	0.9	0.9
Faisalabad	36.4	37.2	120.3	73	6.4	1.7	5.3	1.7	2.0
Gawadar	33.1	33.5	103.0	76	0.0	5.7	1.0	0.0	11.1
Gilgit	33.9	37.0	77.8	49	2.3	4.9	5.4	2.0	1.4
Kalam	25.6	27.0	28.3	48	14.3	3.0	4.3	0.0	0.0
Lahore	35.0	37.2	108.6	71	27.7	3.3	5.0	0.3	1.1
Malam Jabba	24.3	26.0	36.0	79	32.0	2.9	5.1	0.0	0.0
Mangla	35.7	37.3	108.0	74	27.2	3.7	2.7	0.9	0.0
Multan (PBO)	36.8	38.2	124.6	70	8.0	2.1	3.9	2.9	6.0
Murree	24.0	25.0	34.2	78	20.5	3.0	6.0	2.0	0.9
Muzaffarabad	35.0	36.6	97.0	66	3.5	2.6	2.4	0.0	0.9
Sh. Ben. Abad	37.9	39.5	124.3	73	2.0	1.7	3.3	4.9	4.0
Peshawar	37.1	39.0	114.5	68	1.0	2.6	4.3	2.3	2.6
Quetta	33.4	34.5	146.5	37	0.0	1.0	3.0	1.5	3.8
Rawalpindi	35.5	37.0	96.0	70	45.9	1.9	2.6	0.2	0.5
Rohri	36.5	38.5	119.8	72	2.0	2.1	3.0	1.7	3.7
Skardu	28.8	32.4	44.9	48	0.3	3.3	4.3	0.0	0.0
Tandojam	36.3	39.0	113.0	70	0.0	1.6	3.0	4.3	5.4
U.Muhammad	36.3	38.5	183.5	73	7.0	3.0	2.8	1.4	2.2
Zhob	35.0	36.0	103.5	44	9.0	2.9	4.6	3.4	4.4

*** Shows that data was not available.