

Weekly Weather and Crop Bulletin for Pakistan

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Rainfall Distribution (mm) during the Previous Week (29th July –04th August 2024)

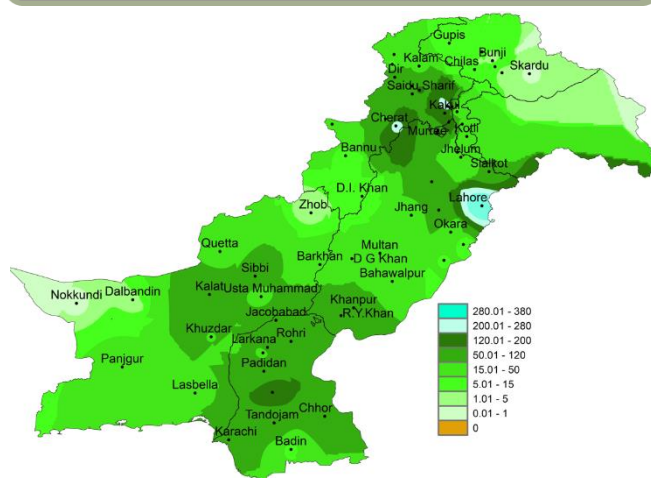


Figure 1: Rainfall.

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Highlights of Past Weather (29th July –04th August 2024)

- Moderate to heavy rain was reported from throughout the country during the previous week.
- Normal to above normal daily maximum temperatures were observed in most parts of the country whereas below normal in Sindh and Baluchistan.
- Daily minimum temperatures were observed above normal in the country.
- Normal to above normal mean daily temperatures were observed in the country.

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

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Past Weather of Provinces **(29th July –04th August 2024)**

Punjab

Moderate to heavy rainfall was reported from the Punjab province. Weekly maximum and minimum temperatures recorded as 35.5°C & 27.4°C respectively. For the recent week on average 115.1 growing degree days were accumulated. Average relative humidity recorded as 77% and wind speed in the morning/evening recorded as 2.0/3.4 Knots. Maximum rainfall was reported as 376.42 mm from Lahore. However, highest maximum temperature was recorded as 43.2°C at Khanpur.

Baluchistan

Moderate to heavy rainfall was reported from the province. Weekly maximum and minimum temperatures recorded as 35.4°C & 25.1°C respectively. For the recent week on average 107.0 growing degree days were accumulated. Average relative humidity recorded 44% and wind speed in the morning/evening recorded as 1.9/5.4 Knots. Maximum rainfall was reported as 110.00 mm from Kalat. However, highest maximum temperature was recorded as 46.5°C at Sibbi.

Khyber Pakhtunkhwa

Moderate to heavy rainfall was reported from Khyber Pakhtunkhwa province. Weekly maximum and minimum temperatures recorded as 32.7°C & 23.2°C respectively. For the recent week on average 90.6 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 282.00 mm from Balakot. However, highest maximum temperature recorded as 42.5°C at Bannu.

Sindh

Moderate to heavy rain was reported from Sindh. Weekly maximum and minimum temperatures recorded as 35.7°C & 28.0°C respectively. For the recent week, on average 117.5 growing degree days were accumulated. Average relative humidity recorded as 76% and wind speed in the

morning/evening recorded as 3.6/4.1 Knots. Maximum rainfall was reported as 154.10 mm from Nawabshah. However, highest maximum temperature recorded as 44.5°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 34.0°C & 22.2°C respectively. For the recent week on average 91.7 growing degree days were accumulated. Average relative humidity recorded as 64%. and wind speed recorded in the morning/evening as 0.9/0.9. Highest rainfall was reported as 110.00 mm from Muzaffarabad. However, highest maximum temperature recorded as 43.5°C at Chilas.

Past Weather for Major Agricultural Plains**(29th July –04th August 2024)****Rawalpindi (Potohar region)**

Rainfall reported as 76.00 mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 5.6/4.7 Oktas, average relative humidity observed as 76%. Mean maximum time temperature was recorded as 33.9 °C and for the recent week 99.1 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.6/1.1 Knots. The highest maximum temperature was recorded as 37.0°C.

Faisalabad (Central Punjab)

Rainfall reported as 76.80 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded 4.6/5.7 Oktas while, average relative humidity observed as 79%. Mean maximum time temperature recorded 35.4°C & for the recent week 118.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.4/3.1 Knots. The highest maximum temperature was recorded as 38.5°C.

Tandojam (Lower Sindh)

Rainfall reported as 78.90 mm from Tandojam during the week; however, cloudiness in the morning/evening recorded as 4.9/6.3 oktas while, average relative humidity observed as 82%. Mean maximum time temperature recorded as 33.3°C & for the recent week 103.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.8/2.2 Knots. The highest maximum temperature was recorded as 35.5°C.

Usta Muhammad (Eastern Baluchistan)

Rainfall reported as 31.50 mm from Usta Muhammad during the week; however, cloudiness in the morning/evening recorded as 5.2/5.2. Average relative humidity observed as 64%. Mean maximum time temperature recorded as 39.4°C & for the recent week 195.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/4.0 Knots. The highest maximum temperature was recorded as 43.0°C.

Quetta (Northern Baluchistan)

Rainfall reported as 22.60 mm from Quetta during the week; however, cloudiness in the morning/evening recorded as 4.8/6.1 Oktas while, average relative humidity observed as 55%. Mean maximum time temperature recorded as 32.9°C & for the recent week 155.8 growing degree days accumulated. Wind speed recorded in the

morning/evening as 2.8/3.1 Knots. The highest maximum temperature was recorded as 37.5°C.

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

Rainfall reported as 22.81 mm from Multan during the week; however, cloudiness in the morning/evening recorded as 3.4/6.4 Oktas. Average relative humidity observed as 65%. Mean maximum time temperature recorded as 37.6°C & for the recent week 128.2 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.7/7.1 Knots.

Lahore

Rainfall reported as 376.42 mm from Lahore during the week; cloudiness in the morning/evening recorded as 5.3/6.5 Oktas, average relative humidity observed as 76%. Mean maximum time temperature recorded as 34.6°C & for the recent week 107.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.3/2.0 Knots.

Zhob

Rainfall reported as 2.00 mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 2.3/4.3 Oktas. Average relative humidity observed as 55%. Mean maximum time temperature recorded as 35.4 °C & for the recent week 107.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/5.7 Knots.

Murree

Rainfall reported as 206.50 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 5.7/6.5 Oktas while, average relative humidity observed as 88%. Mean maximum time temperature recorded as 23.5°C & for the recent week 39.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.0/1.0 Knots.

D.I. Khan

Rainfall reported as 8.71 mm from D.I. Khan during the week; however, cloudiness observed in the morning/evening recorded as 3.5/5.2. Average relative humidity observed as 78%. Mean maximum time temperature recorded as 38.4°C & for the recent week 129.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/2.0 Knots.

Peshawar

Rainfall reported as 42.02 mm from Peshawar during the week; however, cloudiness in the morning/evening recorded as 5.4/4.0 Oktas while, average relative humidity observed as 77%. Mean maximum time temperature was recorded as 35.5°C & for the recent week 110.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/2.0 Knots.

Kalam

Rainfall reported as 28.00 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 6.6/5.6 Oktas while, average relative humidity observed as 39%. Mean maximum time temperature recorded as 26.2°C & for the recent week 48.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.6 Knots.

Gilgit

Rainfall reported as 6.01 mm from Gilgit during the week, cloudiness in the morning/evening recorded as 4.6/5.1 Oktas while, average relative humidity observed as 58%. Mean maximum time temperature recorded as 36.6°C & for the recent week 104.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.4/0.9 Knots.

Skardu

Rainfall reported as 0.02 mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 3.6/5.6 Oktas while, average relative humidity observed as 39%. Mean maximum time temperature recorded as 34.1°C & for the recent week 81.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.69 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: Flowering 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 (29th July –04th August 2024)

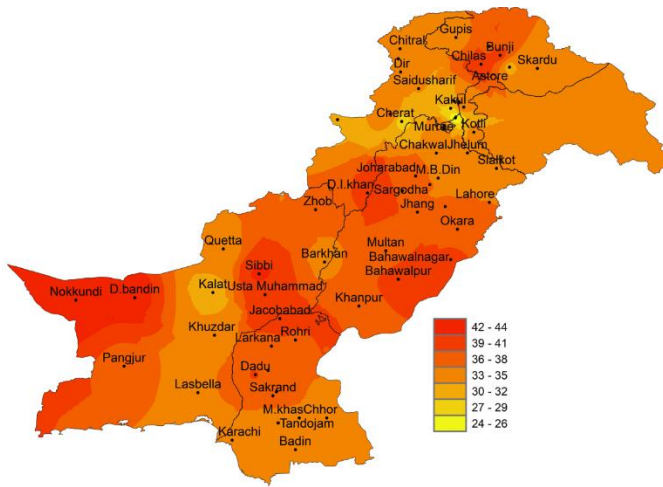


Figure 2: Actual Maximum temperature.

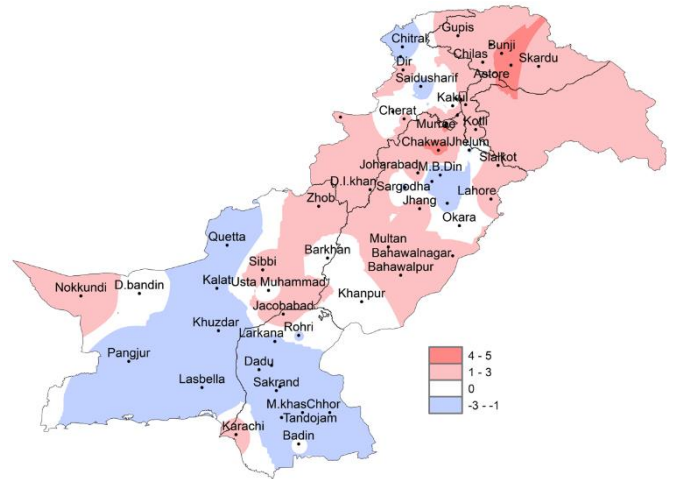


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (29th July –04th August 2024)

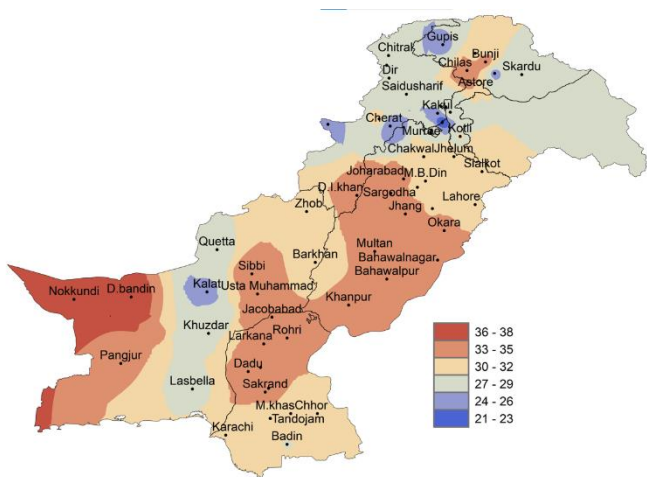


Figure 5: Actual Mean temperature.

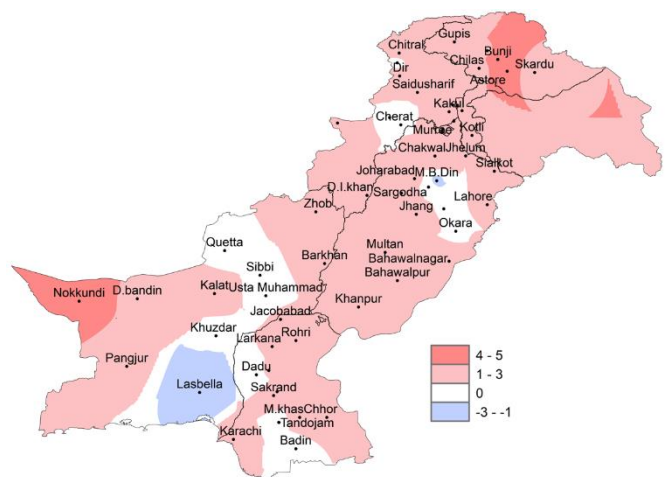


Figure 4: Departure of Mean temperature.

Actual Minimum temperature (°C) during the Previous week (29th July –04th August 2024)

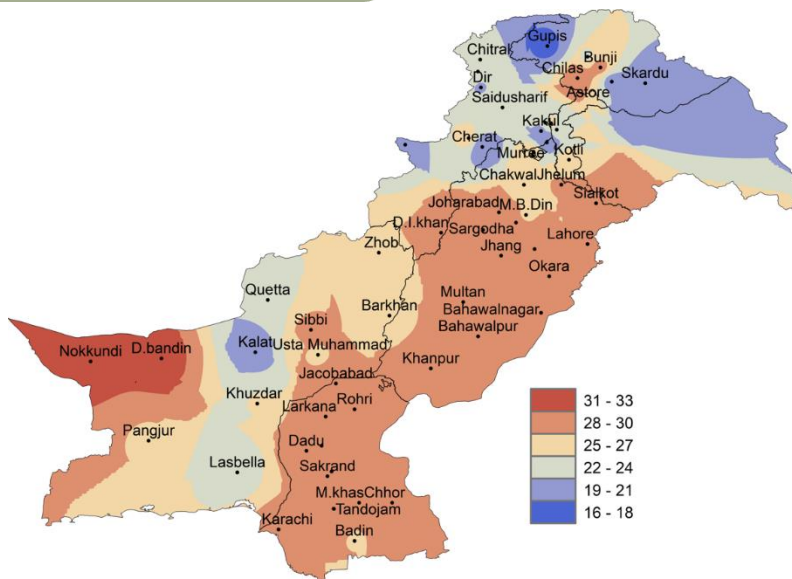


Figure 6: Actual Minimum temperature.

Departure of Minimum temperature (°C) during the Previous week (29th July –04th August 2024)

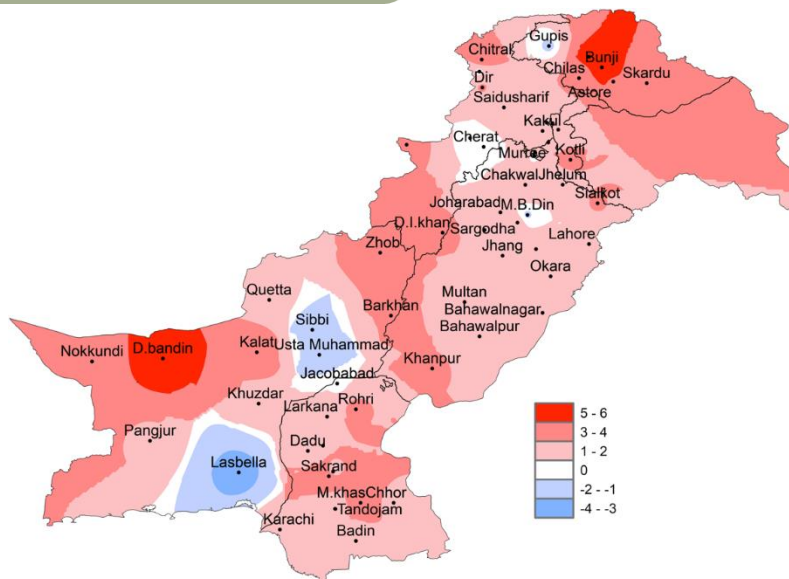


Figure 7: Departure of Minimum temperature.

Mean Relative Humidity (%) during the Previous week (29th July –04th August 2024)

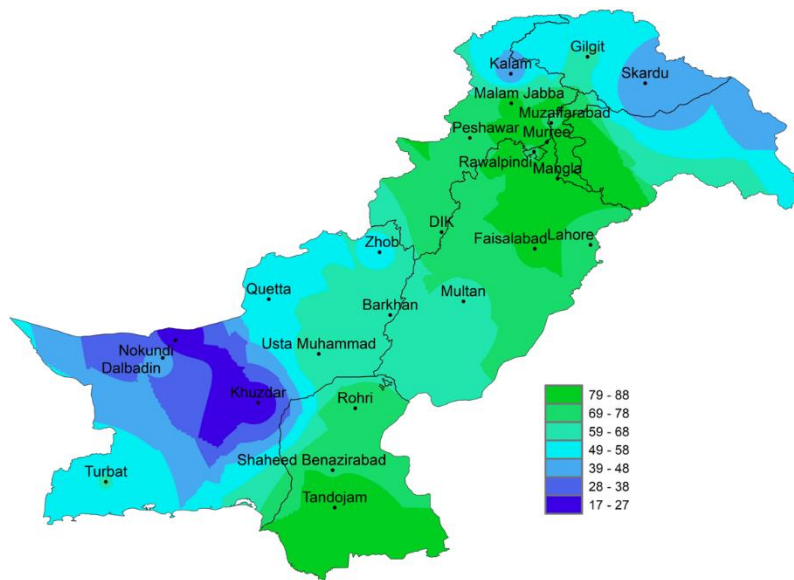


Figure 8: Relative Humidity

Total Growing Degree Days accumulated during the Previous week (29th July –04th August 2024)

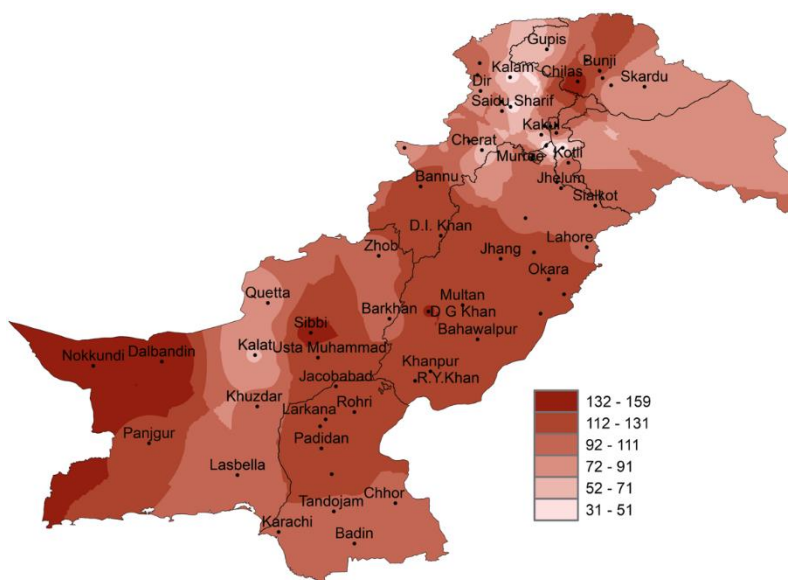


Figure 9: Growing Degree Days

Mean Cloudiness (Octas) at 0800PST during the Previous week (29th July –04th August 2024)

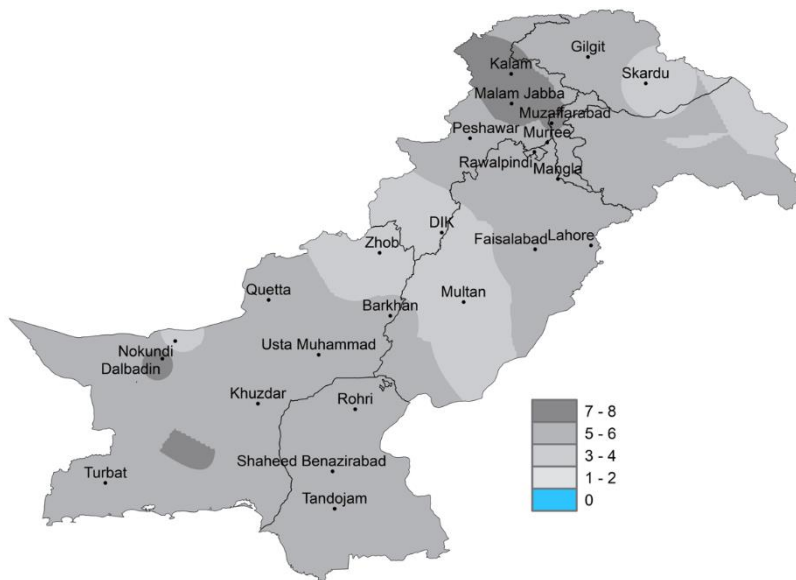


Figure 10: Mean Cloudiness at 0800

Mean Cloudiness (Octas) at 1700PST during the Previous week (29th July –04th August 2024)

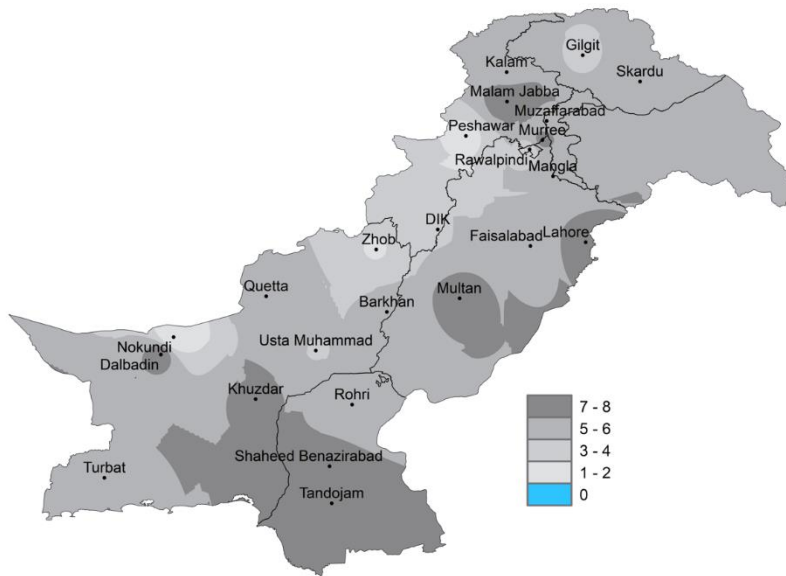


Figure 11: Mean Cloudiness at 1700

**Mean Wind Speed (Knots) at 0800PST during the
Previous week (29th July –04th August 2024)**

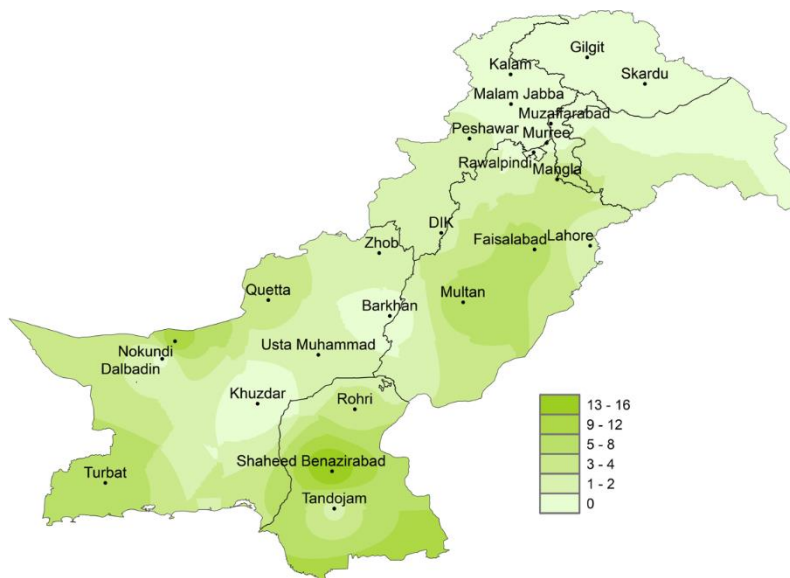


Figure 12: Mean Wind Speed 0300

**Mean Wind Speed (Knots) at 1700PST during the
Previous week (29th July –04th August 2024)**

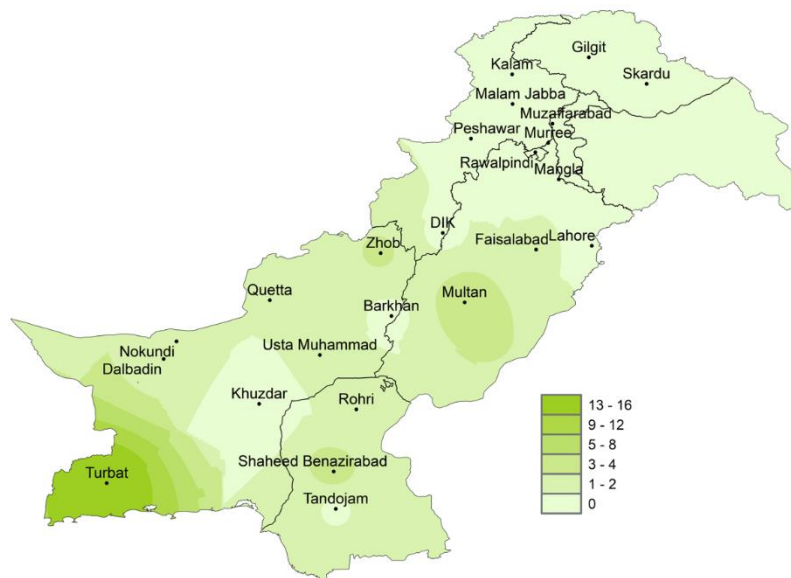
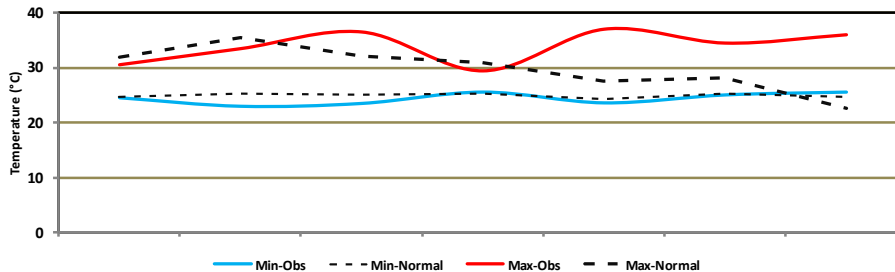


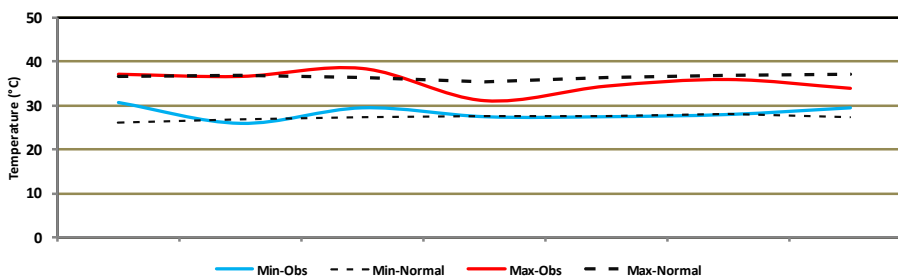
Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal) during the previous week (29th July –04th August 2024)

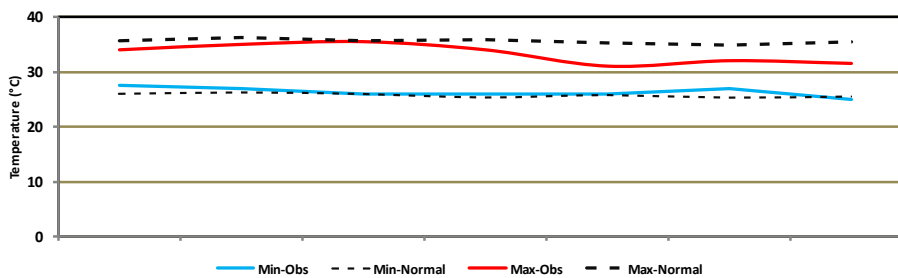
Rawalpindi (Min & Max Temperatures)



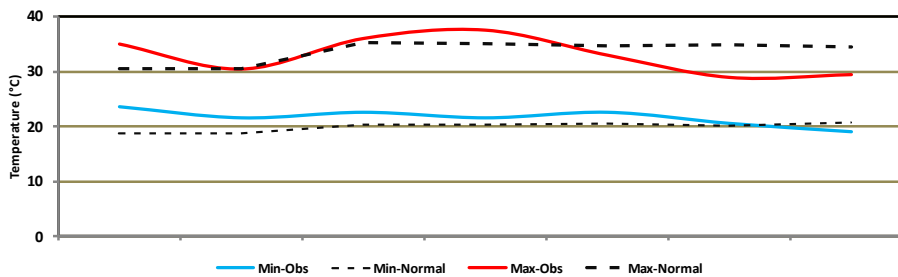
Faisalabad (Min & Max Temperatures)



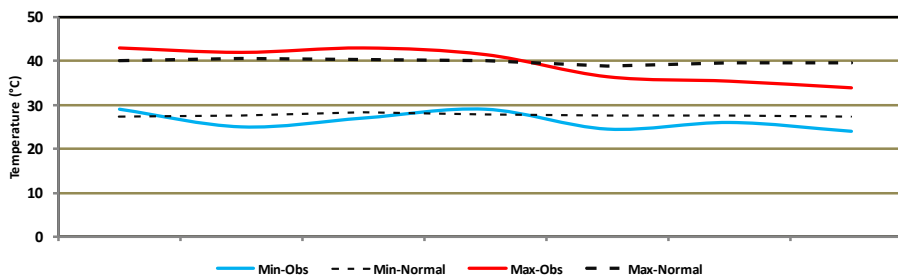
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**(06th – 12th August 2024)**

Monsoon currents are continuously penetrating from Arabian Sea to eastern and southern parts of the country. A westerly wave is likely to approach today evening.

TUESDAY**06-08-2024**

More rain-windstorm/thundershower is expected in south/upper Punjab, southeastern/lower Sindh, eastern/south Baluchistan, upper Khyber-Pakhtunkhwa, Kashmir and Gilgit-Baltistan. Heavy falls are likely at isolated places in Northeast Punjab, Islamabad, Rawalpindi, Pothohar region and Kashmir.

WEDNESDAY**07-08-2024**

More rain-windstorm/thundershower is expected in upper Punjab, eastern/south Baluchistan, Khyber-Pakhtunkhwa, Kashmir and Gilgit-Baltistan. Heavy falls are likely at isolated places in upper Khyber-Pakhtunkhwa, Northeast Punjab, Islamabad, Pothohar region and Kashmir. Isolated rain is likely in lower Sindh.

THURSDAY**08-08-2024**

Rain-wind/thundershower is expected in Kashmir, upper Punjab, upper Khyber Pakhtunkhwa and eastern/ southern Baluchistan. Isolated heavy fall is likely in upper Khyber Pakhtunkhwa, upper Punjab, south Baluchistan and Kashmir. Hot and humid weather is expected elsewhere in the country.

FRIDAY**09-08-2024**

Mainly hot and humid weather is expected in most parts of the country. However, rain-wind/thundershower is likely at isolated places in northeast Punjab, Kashmir, Upper Khyber Pakhtunkhwa, southeast Baluchistan and Sindh. Isolated heavy fall is expected in northeast Punjab and Kashmir.

SATURDAY**10-08-2024**

Mainly hot and humid weather is expected in most parts of the country. However, rain-wind/thundershower is likely at isolated places in northeast Punjab, Pothohar region, Kashmir and Upper Khyber Pakhtunkhwa. Isolated heavy fall is likely in northeast Punjab and Kashmir.

SUNDAY**11-08-2024**

Mainly hot and humid weather is expected in most parts of the country. However, rain-wind/thundershower is likely in Kashmir, Khyber Pakhtunkhwa, upper/central Punjab and northeast Baluchistan. Isolated heavy fall is likely in upper Punjab and Khyber Pakhtunkhwa.

MONDAY**12-08-2024**

Mainly hot and humid weather is expected in most parts of the country. However, rain-wind/thundershower is likely in Kashmir, Khyber Pakhtunkhwa, upper/central Punjab and northeast Baluchistan. Isolated heavy fall is likely in northeast Baluchistan.

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (29th July –04th 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	38.4	41.5	129.0	78	8.7	3.5	5.2	2.0	2.0
Faisalabad	35.4	38.5	118.4	79	76.8	4.6	5.7	3.4	3.1
Gawadar	*	0.0	*	*	0.0	*	*	*	*
Gilgit	36.6	40.5	104.3	58	6.0	4.6	5.1	0.4	0.9
Kalam	26.2	29.0	48.5	39	28.0	6.6	5.6	0.0	0.6
Lahore	34.6	38.3	107.5	76	376.4	5.3	6.5	1.3	2.0
Malam Jabba	22.7	26.5	29.5	84	128.0	6.8	7.0	0.0	1.7
Mangla	33.0	38.0	102.9	81	44.5	4.7	5.3	3.1	2.3
Multan (PBO)	37.6	41.5	128.2	65	22.8	3.4	6.4	3.7	7.1
Murree	23.5	25.5	39.6	88	206.5	5.7	6.5	1.0	1.0
Muzaffarabad	33.6	38.0	101.0	76	110.0	6.7	5.8	0.0	0.0
Sh. Ben. Abad	37.6	43.0	124.0	78	154.1	6.0	6.4	6.3	6.3
Peshawar	35.5	38.5	110.3	77	42.0	5.4	4.0	1.4	2.0
Quetta	32.9	37.5	155.8	55	22.6	4.8	6.1	2.8	3.1
Rawalpindi	33.9	37.0	99.1	76	76.0	5.6	4.7	0.6	1.1
Rohri	37.9	43.5	128.5	69	83.0	4.3	5.6	2.6	3.7
Skardu	34.1	36.6	81.0	39	0.0	3.6	5.6	0.0	0.6
Tandojam	33.3	35.5	103.8	82	78.9	4.9	6.3	1.8	2.2
U.Muhammad	39.4	43.0	195.0	64	31.5	5.2	5.2	1.1	4.0
Zhob	35.4	38.5	107.0	55	2.0	2.3	4.3	1.7	5.7

*** Shows that data was not available.