

Weekly Weather and Crop Bulletin for Pakistan

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Rainfall Distribution (mm) during the Previous Week (16th – 22nd September 2024)

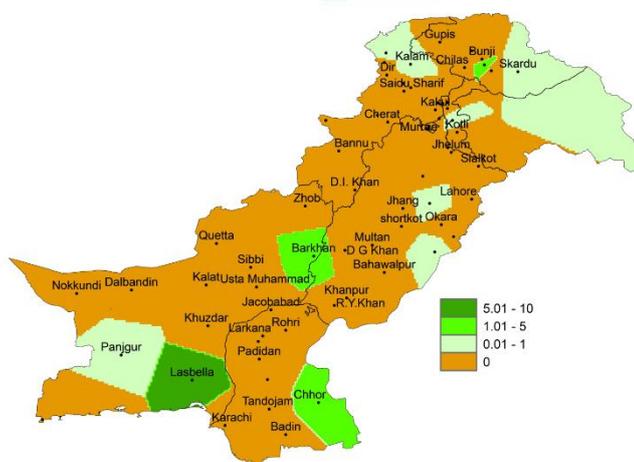


Figure 1: Rainfall.

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Highlights of Past Weather (16th – 22nd September 2024)

- Mainly hot and dry weather prevailed throughout the country. Whereas light rain was reported from different parts of the country.
- Above normal daily maximum temperatures were observed in most parts of the country whereas normal in Lower Sindh & eastern parts of Baluchistan.
- Above normal daily minimum temperatures were observed in most parts of the country whereas normal to below normal was reported in northeast & south of Balochistan.
- Above normal mean daily temperatures were observed in most parts of the country. whereas normal to below normal was reported in northeast & south of Baluchistan.

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Past Weather of Provinces **(16th – 22nd September 2024)**

Punjab

Mainly hot and dry weather occurred in the most parts of Province. Whereas light rainfall was reported from Faisalabad & Bahawalnagar during the previous week. Weekly maximum and minimum temperatures recorded as 37.0°C & 25.2°C respectively. For the recent week on average 112.6 growing degree days were accumulated. Average relative humidity recorded as 61% and wind speed in the morning/evening recorded as 2.3/2.7 Knots. Maximum rainfall was reported as 0.40 mm from Faisalabad. However, the highest maximum temperature was recorded as 42.0°C at Bhakkar.

Baluchistan

Mainly hot and dry weather occurred in the most parts of Province. Whereas light rainfall was reported from Panjgur, Barkhan & Lasbella during the previous week. Weekly maximum and minimum temperatures recorded as 34.8°C & 21.1°C respectively. For the recent week on average 90.5 growing degree days were accumulated. Average relative humidity recorded 39% and wind speed in the morning/evening recorded as 0.4/5.0 Knots. Maximum rainfall was reported as 8.00 mm from Lasbella. However, highest maximum temperature was recorded as 42.5°C at Nokundi.

Khyber Pakhtunkhwa

Mainly hot and dry weather occurred in the most parts of Province. Whereas light rainfall was reported from Kalam & Mir Khani during the previous week. Weekly maximum and minimum temperatures recorded as 33.8°C & 18.6°C respectively. For the recent week on average 78.5 growing degree days were accumulated. Average relative humidity recorded as 62% and wind speed in the morning/evening recorded as 0.5/1.6 Knots. Maximum rainfall was reported as 4.00 mm from Mirkhani. However, the highest maximum temperature recorded as 40.5°C at Dera Ismail Khan.

Sindh

Mainly hot and dry weather occurred in the most parts of Province. Whereas light rainfall was reported only single station Chhor during the previous week. Weekly maximum and minimum temperatures recorded as 37.2°C & 26.1°C respectively. For the recent week, on average 116.5 growing degree days were accumulated. Average relative humidity recorded as 66% and wind speed in the morning/evening recorded as 2.2/4.4 Knots. Maximum rainfall was reported as 1.60 mm from Chor. However, the highest maximum temperature recorded as 42.0°C at Padidan.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light rainfall was reported from Gilgit Baltistan and Kashmir during the previous week. Weekly maximum and minimum temperatures recorded as 32.0°C & 15.5°C respectively. For the recent week on average 61.5 growing degree days were accumulated. Average relative humidity recorded as 57%. and wind speed recorded in the morning/evening as 0.0/0.6. The highest rainfall was reported as 1.00 mm from Rawalakot. However, the highest maximum temperature recorded as 40.5°C at Chilas.

Past Weather for Major Agricultural Plains**(16th – 22nd September 2024)****Rawalpindi (Potohar region)**

Dry weather reported from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 0.7/0.1 Oktas, average relative humidity observed as 64%. The mean maximum time temperature was recorded as 36.4°C and for the recent week 92.6 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.0/0.6 Knots. The highest maximum temperature was recorded as 38.5°C.

Faisalabad (Central Punjab)

Rainfall reported as 0.40 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded 0.3/2.0 Oktas while, average relative humidity observed as 63%. Mean maximum time temperature recorded 37.8°C & for the recent week 118.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/2.3 Knots. The highest maximum temperature was recorded as 38.7°C.

Tandojam (Lower Sindh)

Dry weather reported from Tandojam during the week; however, cloudiness in the morning/evening observed clear while, average relative humidity observed as 73%. Mean maximum time temperature recorded as 36.9°C & for the recent week 105.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/5.1 Knots. The highest maximum temperature was recorded as 38.0°C.

Usta Muhammad (Eastern Baluchistan)

Dry weather reported from Usta Muhammad during the week; however, cloudiness in the morning/evening observed clear. Average relative humidity observed as 71%. Mean maximum time temperature recorded as 36.9°C & for the recent week 177.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/2.8 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 0.2/2.0 Oktas while, average relative humidity observed as 34%. Mean maximum time temperature recorded as 31.9°C & for the recent week 126.8 growing degree days accumulated. Wind speed recorded in the morning/evening as

2.1/2.4 Knots. The highest maximum temperature was recorded as 34.0°C.

Past Weather for Sub-Regional Agricultural Plains (16th – 22nd September 2024)**Multan**

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 0.0/1.0 Oktas. Average relative humidity observed as 57%. Mean maximum time temperature recorded as 37.2°C & for the recent week 116.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.7/4.3 Knots.

Lahore

Dry weather reported from Lahore during the week; cloudiness in the morning/evening recorded as 1.0/4.1 Oktas, average relative humidity observed as 61%. Mean maximum time temperature recorded as 36.5°C & for the recent week 114.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/3.1 Knots.

Zhob

Dry weather reported from Zhob during the week; however, cloudiness in the morning/evening recorded as 0.0/0.9 Oktas. Average relative humidity observed as 34%. Mean maximum time temperature recorded as 34.8 °C & for the recent week 90.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/4.0 Knots.

Murree

Dry weather reported from Murree during the week; however, cloudiness in the morning/evening recorded as 1.0/3.0 Oktas while, average relative humidity observed as 66%. Mean maximum time temperature recorded as 24.8°C & for the recent week 38.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.9/0.6 Knots.

D.I. Khan

Dry weather reported from D.I. Khan during the week; however, clear sky observed in the morning/evening. Average relative humidity observed as 62%. Mean maximum time temperature recorded as 38.9°C & for the recent week 122.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.6/0.6 Knots.

Peshawar

Dry weather reported from Peshawar during the week; however, cloudiness in the morning/evening recorded as 0.3/1.9 Oktas while, average relative humidity observed as 63%. Mean maximum time temperature was recorded as 37.1°C & for the recent week 105.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/2.3 Knots.

Kalam

Rainfall reported as 1.00 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 0.6/2.2 Oktas while, average relative humidity observed as 49%. Mean maximum time temperature recorded as 26.9°C & for the recent week 23.3 growing degree days accumulated. Wind speed recorded in the morning/evening as calm.

Gilgit

Dry weather reported from Gilgit during the week, cloudiness in the morning/evening recorded as 1.9/2.3 Oktas while, average relative humidity observed as 53%. Mean maximum time temperature recorded as 34.8°C & for the recent week 64.4 growing degree days accumulated. Wind speed recorded in the morning/evening as calm.

Skardu

Rainfall reported as 0.01 (trace) mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 2.6/2.2 Oktas while, average relative humidity observed as 49%. Mean maximum time temperature recorded as 27.6°C & for the recent week 22.9 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 crops are sown in the fields of RAMC Faisalabad. Date of Sowing 23-04-2024. Phonological Stage: Maturity Completed. Condition: *Very Good*.

Lower Sindh (Tandojam)

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

Actual & Departure of Maximum temperature (°C) for the Previous week (16th – 22nd September 2024)

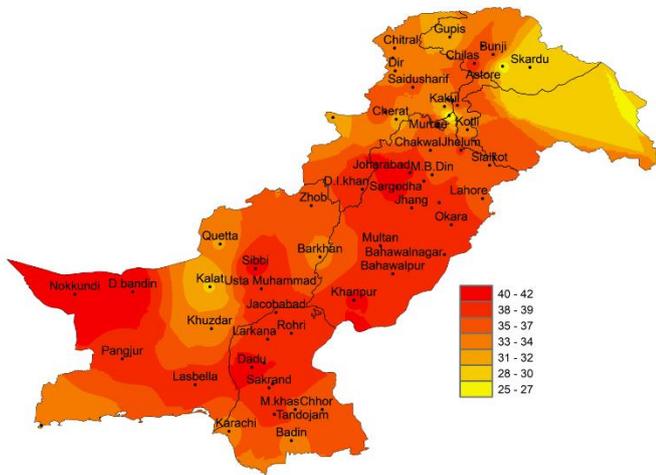


Figure 2: Actual Maximum temperature.

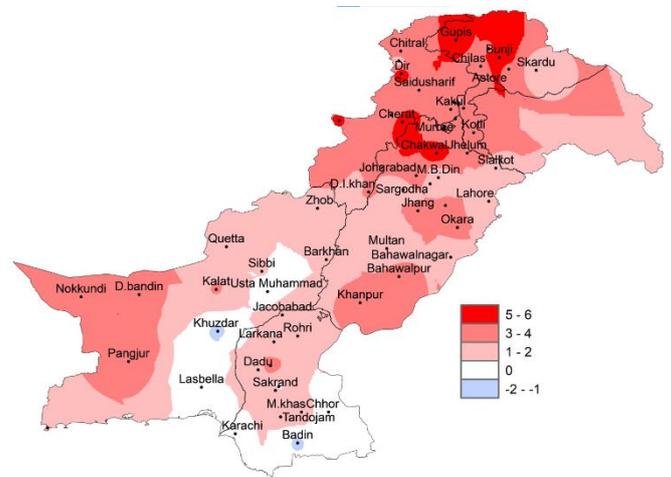


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (16th – 22nd September 2024)

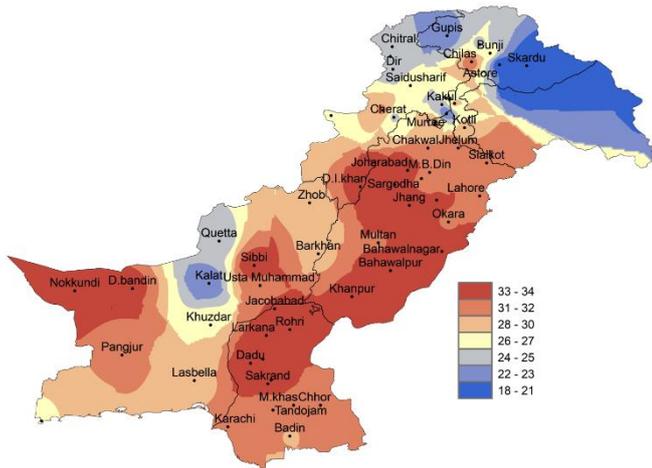


Figure 5: Actual Mean temperature.

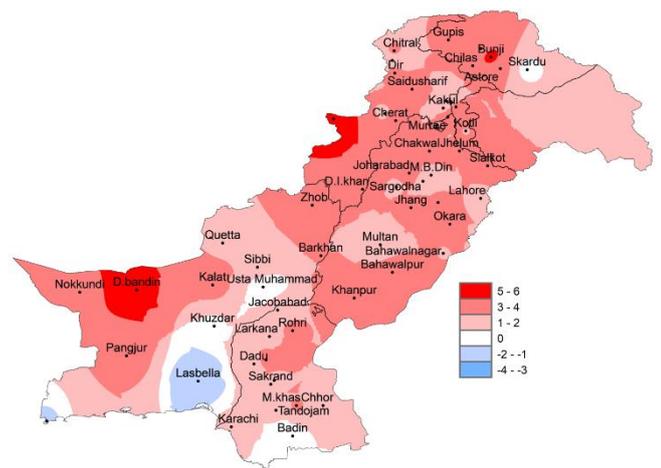


Figure 4: Departure of Mean temperature.

Actual Minimum temperature (°C) during the Previous week (16th – 22nd September 2024)

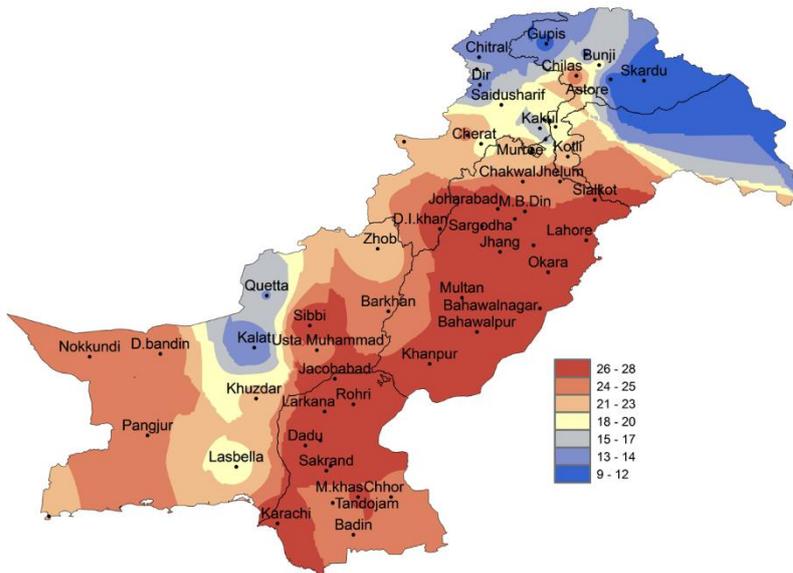


Figure 6: Actual Minimum temperature.

Departure of Minimum temperature (°C) during the Previous week (16th – 22nd September 2024)

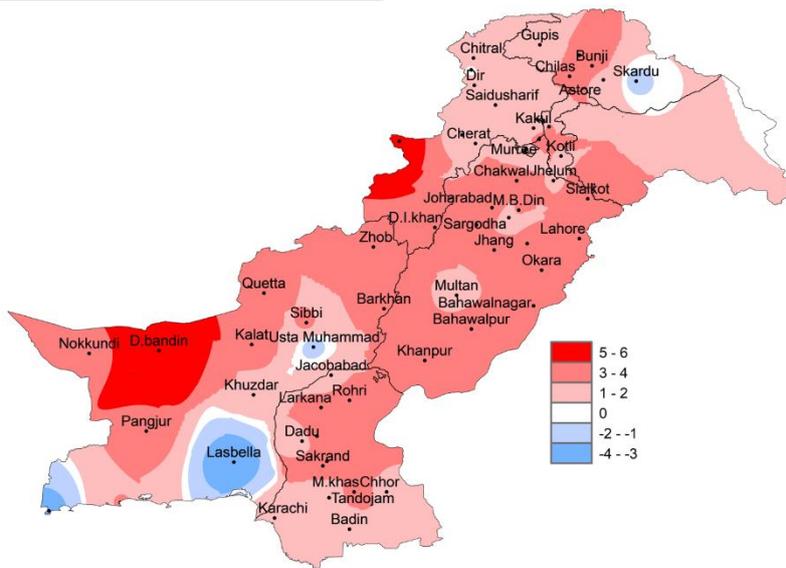


Figure 7: Departure of Minimum temperature.

**Mean Relative Humidity (%) during the
Previous week (16th – 22nd September 2024)**

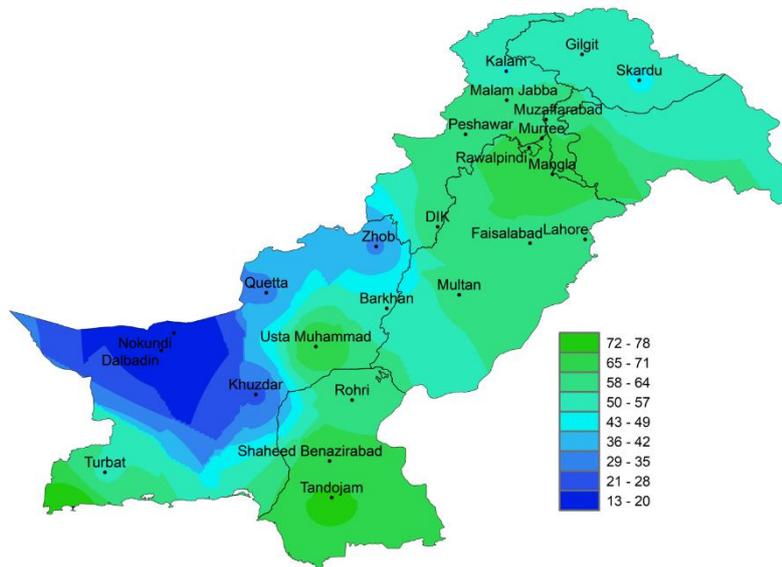


Figure 8: Relative Humidity

**Total Growing Degree Days accumulated during the
Previous week (16th – 22nd September 2024)**

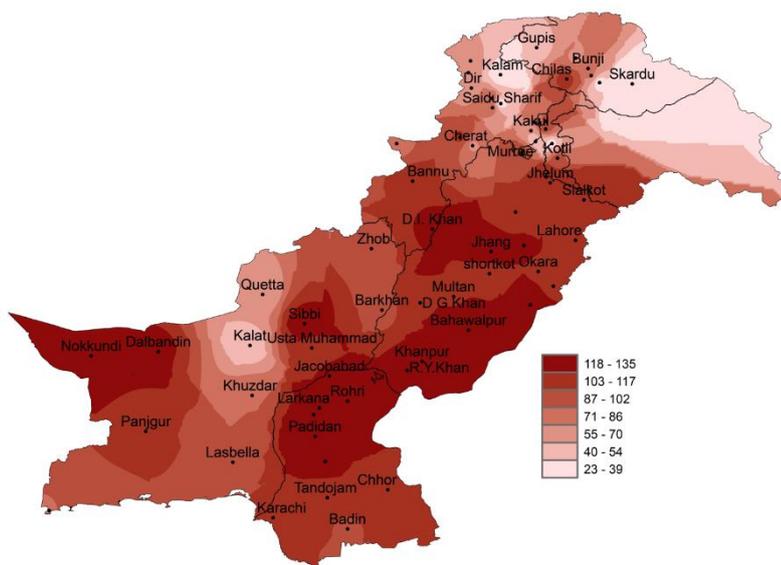


Figure 9: Growing Degree Days

Mean Cloudiness (Octas) at 0800PST during the Previous week (16th – 22nd September 2024)

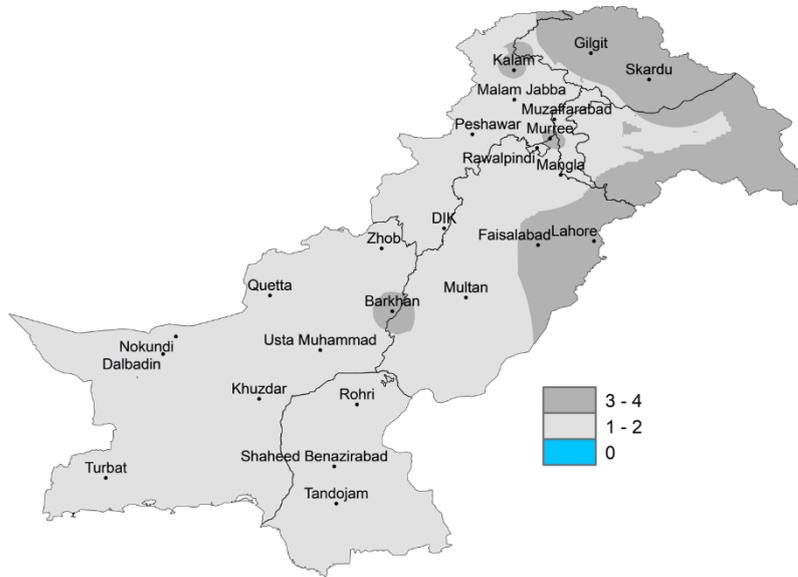


Figure 10: Mean Cloudiness at 0800

Mean Cloudiness (Octas) at 1700PST during the Previous week (16th – 22nd September 2024)

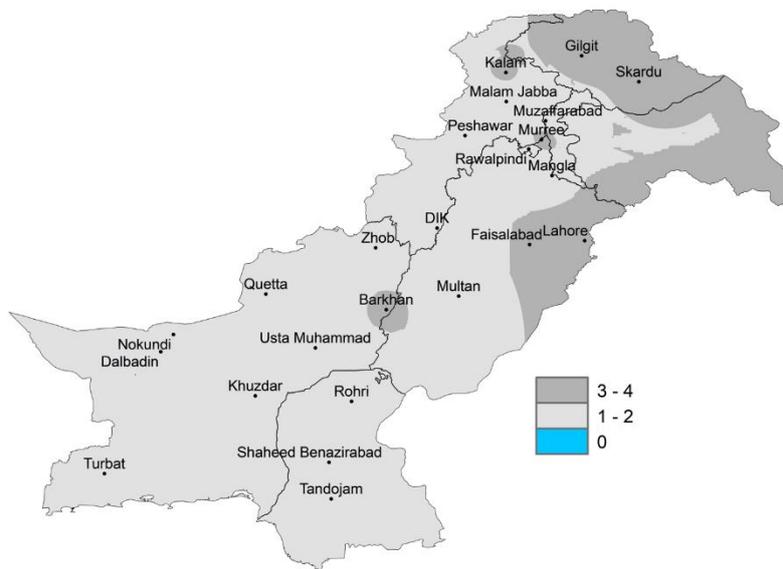


Figure 11: Mean Cloudiness at 1700

**Mean Wind Speed (Knots) at 0800PST during the
Previous week (16th – 22nd September 2024)**

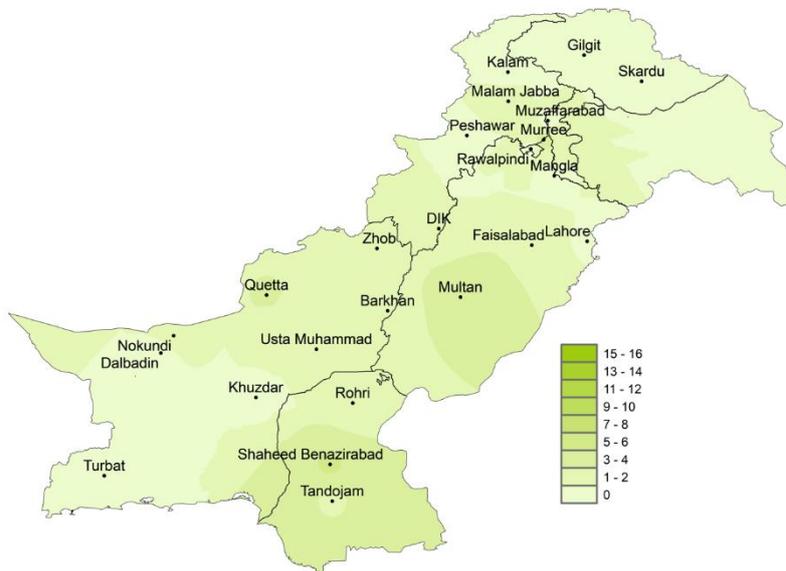


Figure 12: Mean Wind Speed 0300

**Mean Wind Speed (Knots) at 1700PST during the
Previous week (16th – 22nd September 2024)**

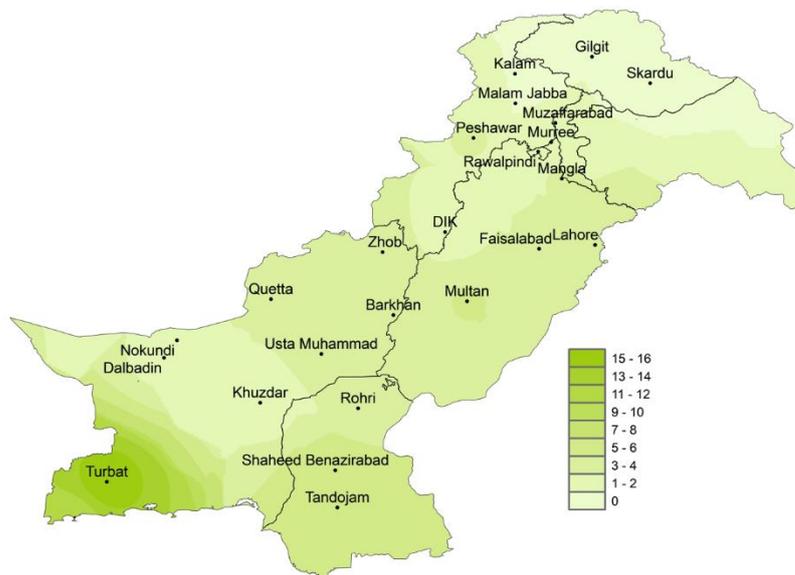
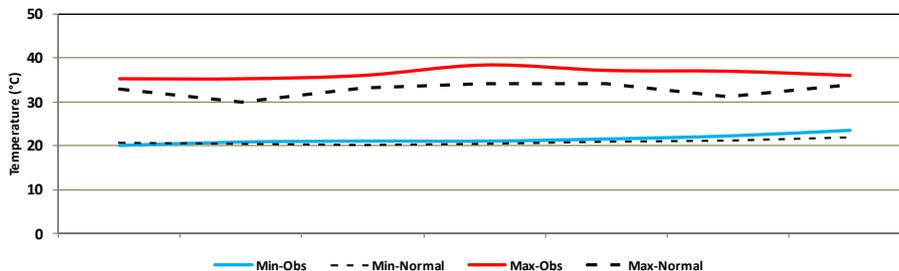


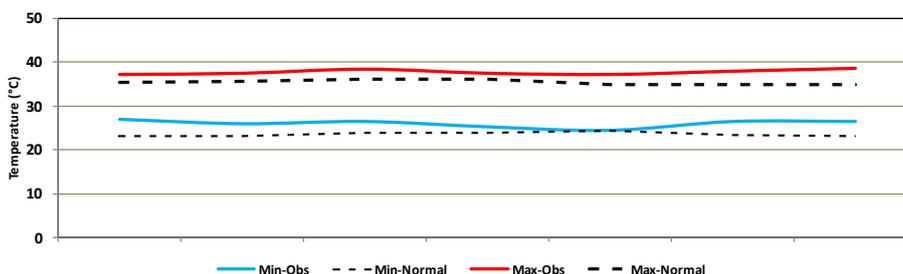
Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal) during the previous week (16th – 22nd September 2024)

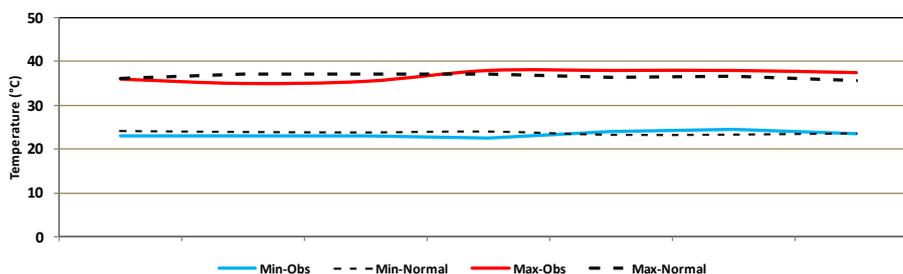
Rawalpindi (Min & Max Temperatures)



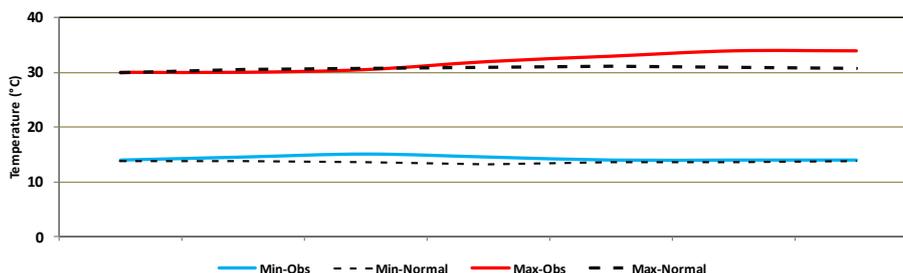
Faisalabad (Min & Max Temperatures)



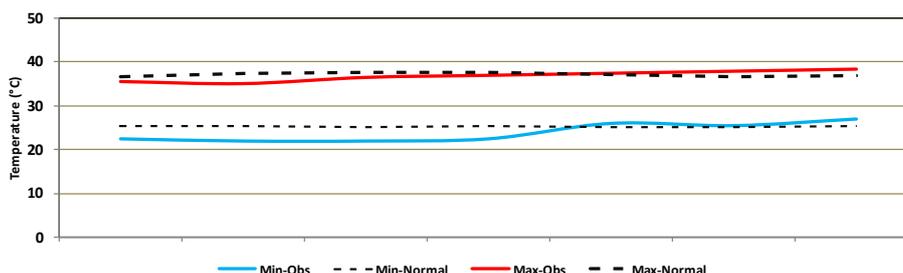
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**(23rd – 29th September 2024)**

Continental air is prevailing over most parts of the country. A westerly wave is also likely to approach upper parts on 26th September.

MONDAY**23-09-2024**

Hot and dry weather is expected in most parts of the country.

TUESDAY**24-09-2024**

Hot and dry weather is expected in most parts of the country. However, partly cloudy weather with rain-wind/thunderstorm is likely at isolated places in Kashmir and adjoining hilly areas during evening/night.

WEDNESDAY**25-09-2024**

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

THURSDAY**26-08-2024**

Rain-wind/thundershower is expected in Khyber-Pakhtunkhwa, Gilgit-Baltistan, Kashmir, Islamabad and upper Punjab. Few heavyfalls are likely in upper Khyber-Pakhtunkhwa, Islamabad, Potohar region, northeast Punjab and Kashmir. Rain-wind/thundershower is also likely at isolated places in southeastern Sindh.

FRIDAY**27-09-2024**

Rain-wind/thundershower is expected in Khyber-Pakhtunkhwa, Gilgit-Baltistan, Kashmir, Islamabad and upper Punjab. Few heavyfalls are likely in upper Khyber-Pakhtunkhwa, Islamabad, upper Punjab and Kashmir. Rain-wind/thundershower is also likely at isolated places in southeastern Sindh.

SATURDAY**28-09-2024**

Mainly hot and dry weather is expected in most parts of the country. However, rain-wind/thundershower is expected at isolated places in Khyber Pakhtunkhwa, upper Punjab, southeastern Sindh, Kashmir and Gilgit Baltistan.

SUNDAY**29-09-2024**

Mainly hot and dry weather is expected in most parts of the country. However, rain-wind/thundershower is expected in Sindh, central/south Khyber Pakhtunkhwa, upper Punjab, 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 (16th – 22nd September 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	40.5	122.3	62	0.0	0.0	0.0	0.6	0.6
Faisalabad	37.8	38.7	118.5	63	0.4	0.3	2.0	1.7	2.3
Gawadar	33.1	33.5	96.3	78	0.0	3.1	0.6	0.0	10.6
Gilgit	34.8	39.0	64.4	53	0.0	1.9	2.3	0.0	0.0
Kalam	26.9	29.0	23.3	49	1.0	0.6	2.2	0.0	0.0
Lahore	36.5	37.4	114.6	61	0.0	1.0	4.1	0.3	3.1
Malam Jabba	24.4	26.0	23.8	61	0.0	0.0	1.1	1.1	0.0
Mangla	36.6	38.5	109.3	68	0.0	1.0	1.0	0.0	2.6
Multan (PBO)	37.2	39.5	116.3	57	0.0	0.0	1.0	3.7	4.3
Murree	24.8	27.0	38.5	66	0.0	1.0	3.0	2.9	0.6
Muzaffarabad	34.3	35.4	80.0	60	0.0	0.4	0.9	0.0	0.0
Sh. Ben. Abad	39.2	41.0	124.9	67	0.0	0.0	0.4	4.3	5.7
Peshawar	37.1	38.0	105.9	63	0.0	0.3	1.9	0.3	2.3
Quetta	31.9	34.0	126.8	34	0.0	0.2	2.0	2.1	2.4
Rawalpindi	36.4	38.5	97.6	64	0.0	0.7	0.1	0.0	0.6
Rohri	38.9	40.5	128.3	59	0.0	0.0	0.0	0.6	2.3
Skardu	27.6	29.6	22.9	49	0.0	2.6	2.2	0.0	0.0
Tandojam	36.9	38.0	105.8	73	0.0	0.0	0.0	1.7	5.1
U.Muhammad	36.9	38.5	177.8	71	0.0	0.0	0.0	1.4	2.8
Zhob	34.8	37.5	90.5	34	0.0	0.0	0.9	1.1	4.0

*** Shows that data was not available.