

Past Weather of Provinces **(30th September – 06th October 2024)**

Punjab

Light to moderate (isolated place in Rawalpindi) rainfall was reported from upper parts of the province during the previous week. Weekly maximum and minimum temperatures recorded as 36.0°C & 23.6°C respectively. For the recent week on average 103.3 growing degree days were accumulated. Average relative humidity recorded as 61% and wind speed in the morning/evening recorded as 1.2/2.2 Knots. Maximum rainfall was reported as 58.70 mm from Rawalpindi. However, the highest maximum temperature was recorded as 42.5°C at Bhakkar.

Baluchistan

Light rainfall was reported from north & west parts of the province during the previous week. Weekly maximum and minimum temperatures recorded as 33.0°C & 20.2°C respectively. For the recent week on average 81.3 growing degree days were accumulated. Average relative humidity recorded 42% and wind speed in the morning/evening recorded as 2.0/5.8 Knots. Maximum rainfall was reported as 8.80 mm from Quetta. However, highest maximum temperature was recorded as 42.0°C at Sibbi.

Khyber Pakhtunkhwa

Light to moderate to heavy rainfall was reported from the upper parts of the province during the previous week. Weekly maximum and minimum temperatures recorded as 31.8°C & 16.9°C respectively. For the recent week on average 65.4 growing degree days were accumulated. Average relative humidity recorded as 64% and wind speed in the morning/evening recorded as 1.2/2.1 Knots. Maximum rainfall was reported as 44.0 mm from Balakot. However, the highest maximum temperature recorded as 39.5°C at Dera Ismail Khan.

Sindh

Hot & dry weather was reported from Sindh. Weekly maximum and minimum temperatures recorded as 37.8°C & 26.2°C respectively. For the recent week, on average 119.2 growing degree days were accumulated. Average relative humidity recorded as 66% and wind speed in the morning/evening recorded as 3.2/4.9 Knots. The highest maximum temperature recorded as 44.5°C at Dadu.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light to moderate and heavy rainfall was reported from Kashmir and light rainfall from Gilgit Baltistan during the previous week. Weekly maximum and minimum temperatures recorded as 30.2°C & 14.2°C respectively. For the recent week on average 50.4 growing degree days were accumulated. Average relative humidity recorded as 59%. and wind speed recorded in the morning/evening as 0.0/1.1. The highest rainfall was reported as 47.00 mm from Muzaffarabad. However, the highest maximum temperature recorded as 36.5°C at Garhi Dopatta and Gilgit.

Past Weather for Major Agricultural Plains**(30th September – 06th October 2024)****Rawalpindi (Potohar region)**

Rainfall reported as 58.70 mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 0.0/1.1 Oktas, average relative humidity observed as 66%. Mean maximum time temperature was recorded as 34.5°C and for the recent week 79.3 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.0/0.2 Knots. The highest maximum temperature was recorded as 35.5°C.

Faisalabad (Central Punjab)

Dry weather reported from Faisalabad during the week; however, cloudiness in the morning/evening recorded 0.3/0.4 Oktas while, average relative humidity observed as 71%. Mean maximum time temperature recorded 35.7°C & for the recent week 106.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/2.0 Knots. The highest maximum temperature was recorded as 37.0°C.

Tandojam (Lower Sindh)

Dry weather reported from Tandojam during the week; however, cloudiness in the morning/evening recorded as 0.3/0.3 Oktas while, average relative humidity observed as 74%. Mean maximum time temperature recorded as 37.4°C & for the recent week 108.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.8/5.7 Knots. The highest maximum temperature was recorded as 38.5°C.

Usta Muhammad (Eastern Baluchistan)

Dry weather reported from Usta Muhammad during the week; however, cloudiness in the morning/evening recorded as 0.5/0.2 Oktas. Average relative humidity observed as 70%. Mean maximum time temperature recorded as 38.1°C & for the recent week 183.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/1.4 Knots. The highest maximum temperature was recorded as 41.0°C.

Quetta (Northern Baluchistan)

Rainfall reported as 8.80 mm from Quetta during the week; however, cloudiness in the morning/evening recorded as 2.1/6.2 Oktas while, average relative humidity observed as 30%. Mean maximum time temperature recorded as 29.6°C & for the recent week 113.0 growing degree days accumulated. Wind speed recorded in the

morning/evening as 1.1/3.4 Knots. The highest maximum temperature was recorded as 30.5°C.

Past Weather for Sub-Regional Agricultural Plains (23rd – 29th September 2024)**Multan**

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 0.0/0.4 Oktas. Average relative humidity observed as 54%. Mean maximum time temperature recorded as 37.7°C & for the recent week 113.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/4.3 Knots.

Lahore

Rainfall reported as 8.00 mm from Lahore during the week; cloudiness in the morning/evening recorded as 1.1/1.7 Oktas, average relative humidity observed as 66%. 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 0.0/1.4 Knots.

Zhob

Rainfall reported as 0.01 (trace) mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 0.0/1.9 Oktas. Average relative humidity observed as 41%. Mean maximum time temperature recorded as 33.0 °C & for the recent week 81.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.6/4.3 Knots.

Murree

Rainfall reported as 25.00 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 0.0/1.3 Oktas while, average relative humidity observed as 62%. Mean maximum time temperature recorded as 23.3°C & for the recent week 24.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/0.9 Knots.

D.I. Khan

Dry weather reported from D.I. Khan during the week; however, cloudiness in the morning/evening recorded as 0.6/0.0. Average relative humidity observed as 63%. Mean maximum time temperature recorded as 37.6°C & for the recent week 114.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.9/0.9 Knots.

Peshawar

Rainfall reported as 25.01 mm from Peshawar during the week; however, cloudiness in the morning/evening recorded as 0.3/1.4 Oktas while, average relative humidity observed as 65%. Mean maximum time temperature was recorded as 35.5°C & for the recent week 93.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/2.6 Knots.

Kalam

Dry weather reported from Kalam during the week; however, cloudiness in the morning/evening recorded as 0.0/3.0 Oktas while, average relative humidity observed as 47%. Mean maximum time temperature recorded as 24.1°C & for the recent week 11.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.7 Knots.

Gilgit

Rainfall reported as 0.71 mm from Gilgit during the week, cloudiness in the morning/evening recorded as 1.1/4.0 Oktas while, average relative humidity observed as 58%. Mean maximum time temperature recorded as 31.4°C & for the recent week 44.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/3.3 Knots.

Skardu

Rainfall reported as 0.01 (trace) mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 1.9/3.0 Oktas while, average relative humidity observed as 47%. Mean maximum time temperature recorded as 25.8°C & for the recent week 11.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.7 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 crops are sown in the fields of RAMC Faisalabad. Date of sowing 23-04-2024. Phonological Stage: First Picking. Condition: *Very Good*.

Lower Sindh (Tandojam)

Cotton crops are sown in the fields of RAMC Tandojam. Date of sowing 14-05-2024. Phonological Stage: Third Picking. 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: Flowering. Condition: *Good*.

Actual & Departure of Maximum temperature (°C) for the Previous week (30th September – 06th October 2024)

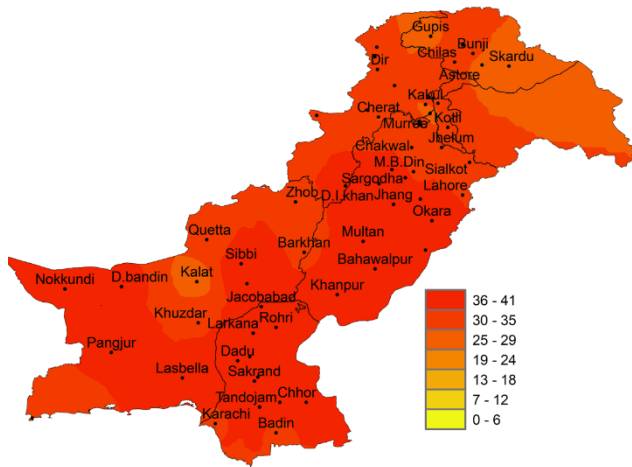


Figure 2: Actual Maximum temperature.

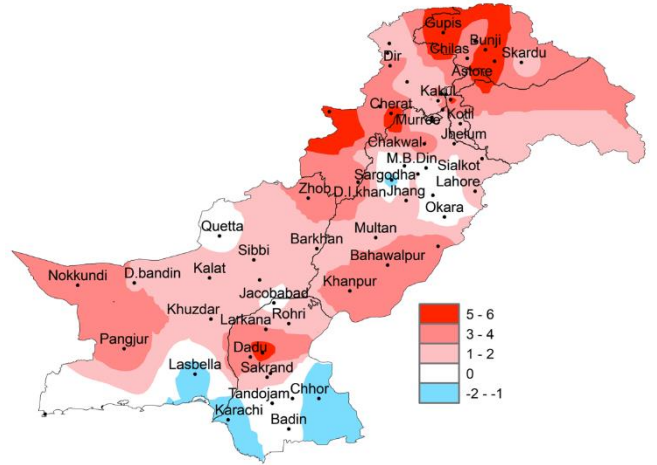


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (30th September – 06th October 2024)

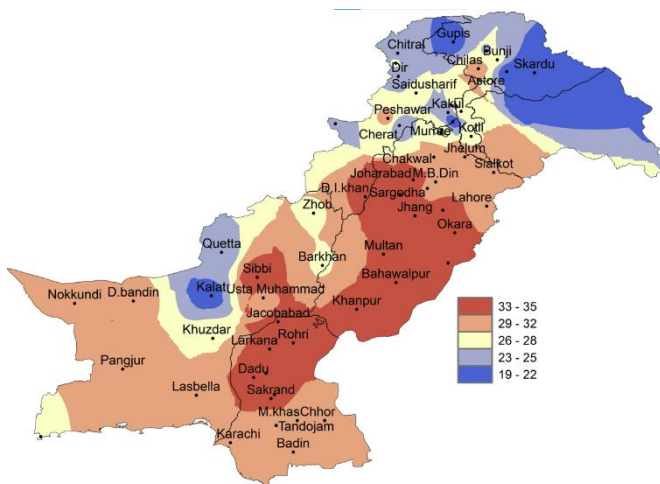


Figure 5: Actual Mean temperature.

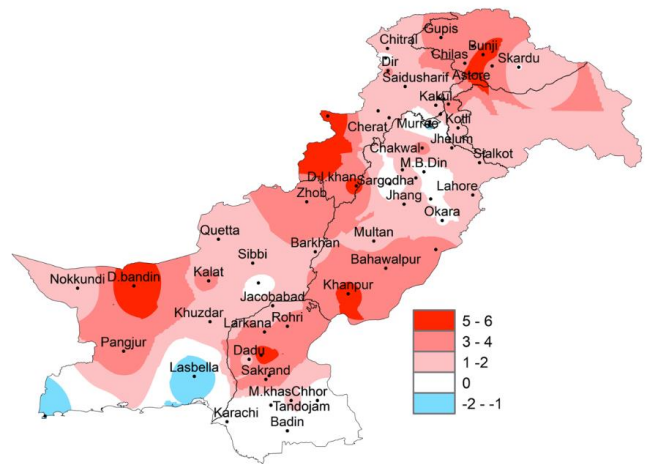


Figure 4: Departure of Mean temperature.

Actual Minimum temperature (°C) during the Previous week (30th September – 06th October 2024)

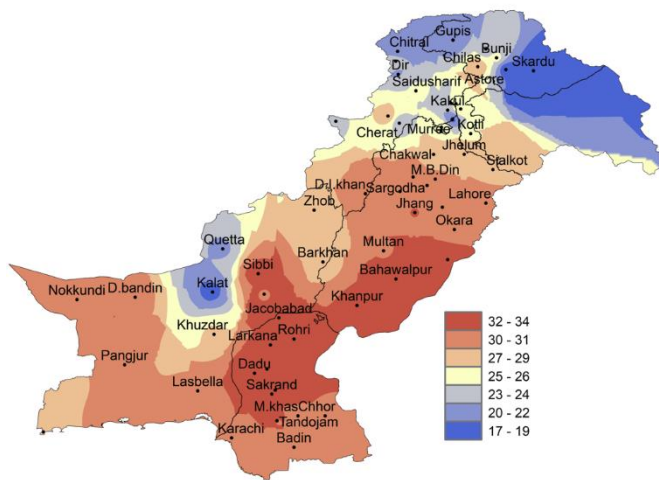


Figure 6: Actual Minimum temperature.

Departure of Minimum temperature (°C) during the Previous week (30th September – 06th October 2024)

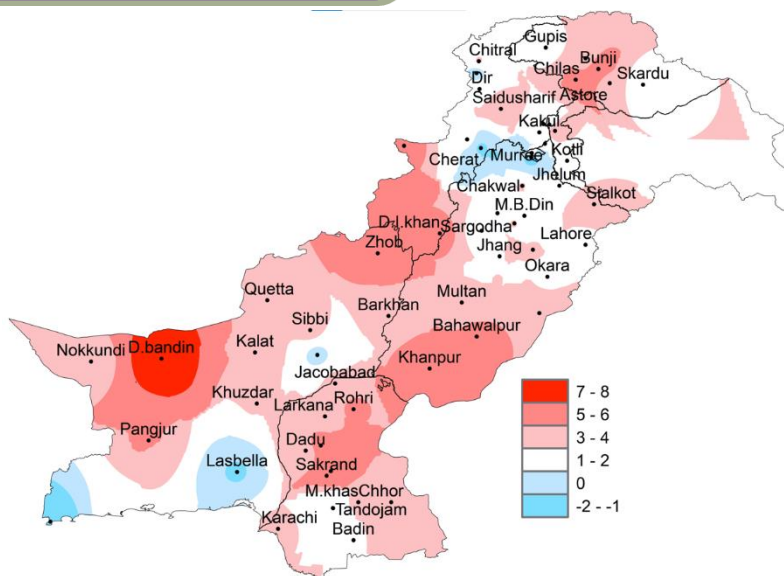


Figure 7: Departure of Minimum temperature.

**Mean Relative Humidity (%) during the
Previous week (30th September – 06th October 2024)**

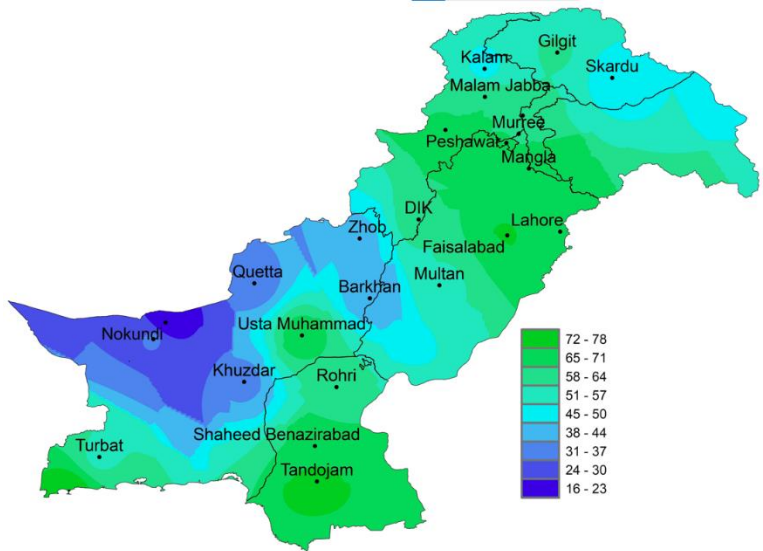


Figure 8: Relative Humidity

**Total Growing Degree Days accumulated during the
Previous week (30th September – 06th October 2024)**

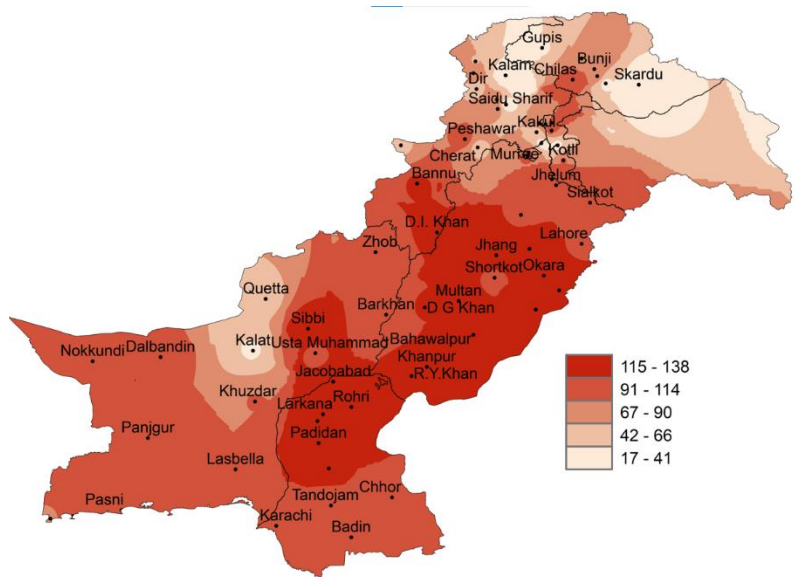


Figure 9: Growing Degree Days

Mean Cloudiness (Octas) at 0800PST during the
Previous week (30th September – 06th October 2024)

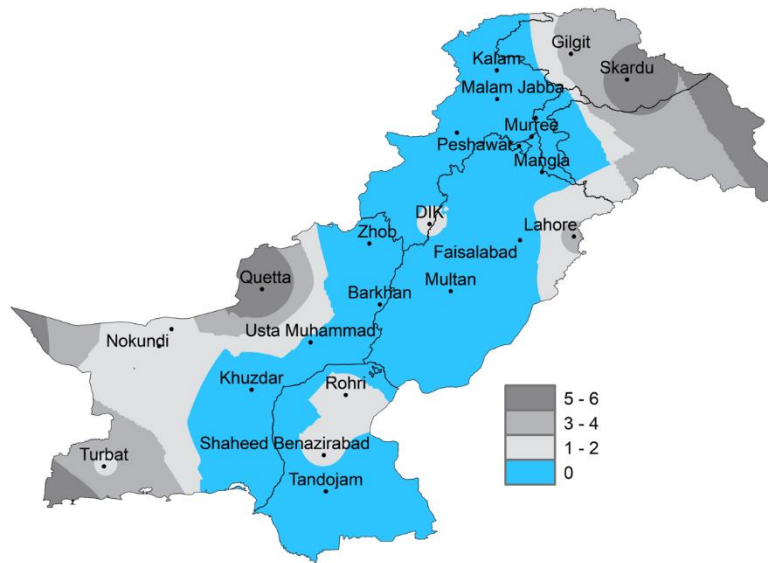


Figure 10: Mean Cloudiness at 0800

Mean Cloudiness (Octas) at 1700PST during the
Previous week (30th September – 06th October 2024)

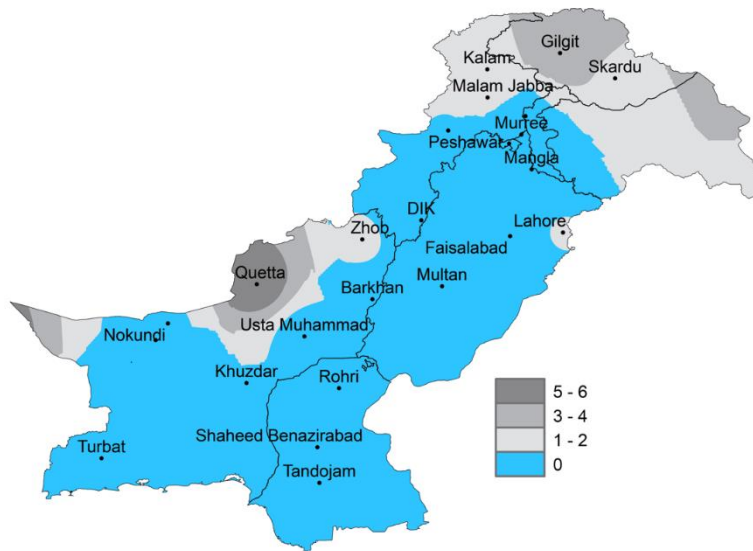


Figure 11: Mean Cloudiness at 1700

Mean Wind Speed (Knots) at 0800PST during the Previous week (30th September – 06th October 2024)

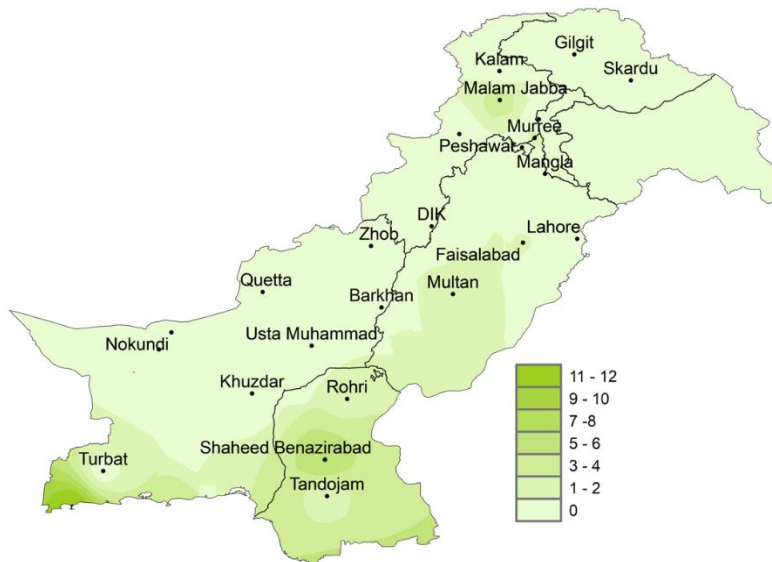


Figure 12: Mean Wind Speed 0300

Mean Wind Speed (Knots) at 1700PST during the Previous week (30th September – 06th October 2024)

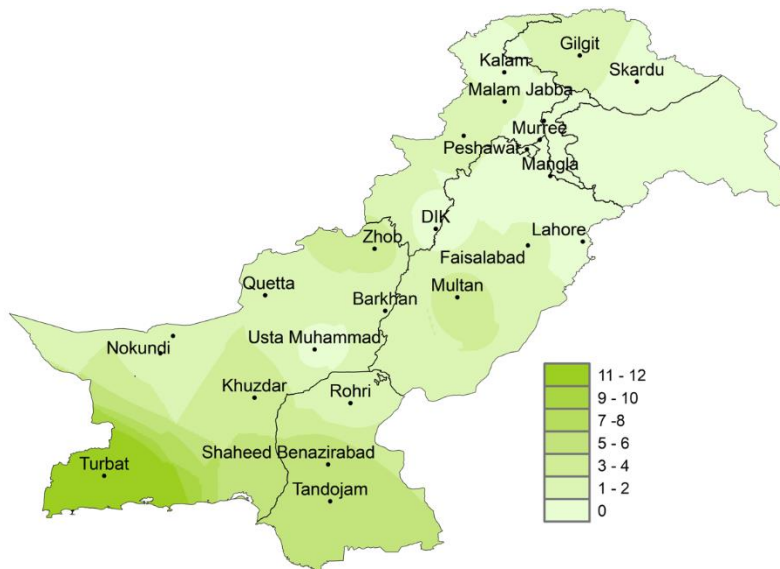
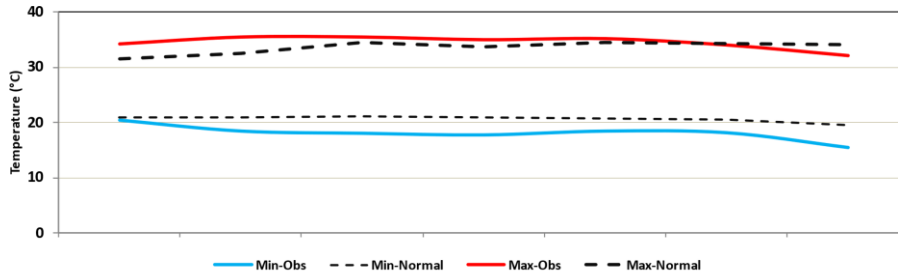


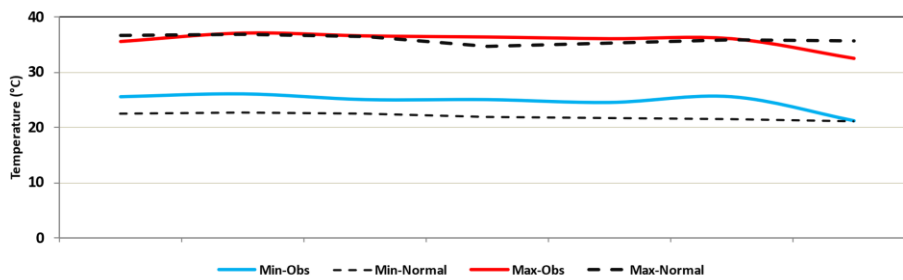
Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal) during the previous week (30th September – 06th October 2024)

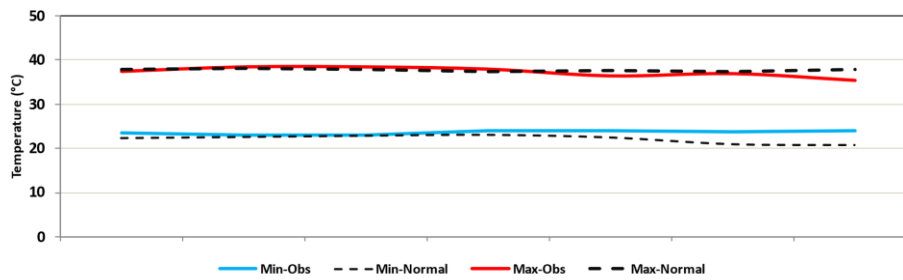
Rawalpindi (Min & Max Temperatures)



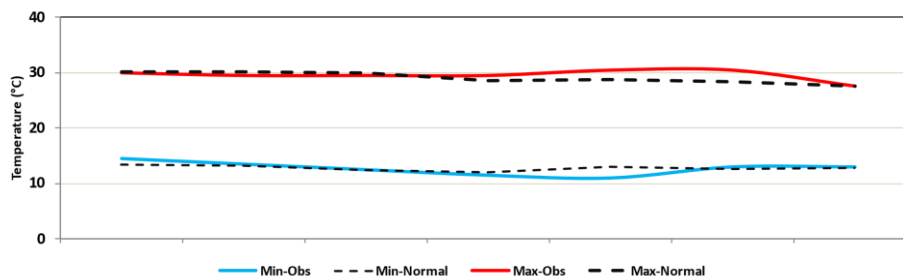
Faisalabad (Min & Max Temperatures)



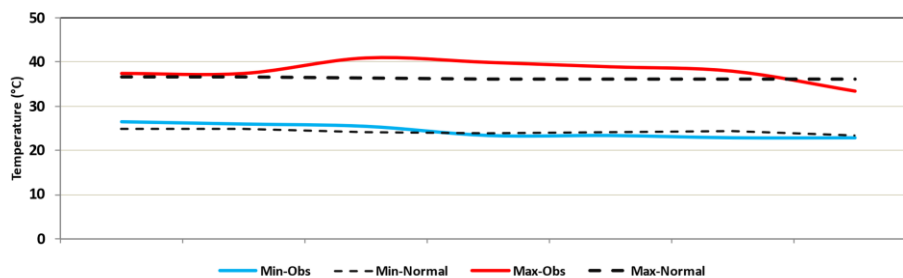
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**(07th – 13th October 2024)**

A westerly wave is present over western and upper parts of the country and likely to strengthen from today evening/night.

MONDAY**07-10-2024**

Rain-windstorm/thunderstorm is expected in Khyber Pakhtunkhwa, Kashmir, Gilgit Baltistan and north / southeast Balochistan. However, rain may occur at isolated places in Potohar Region and northeast Punjab in evening/night. While dry weather is expected in other parts of the country.

TUESDAY**08-10-2024**

Rain-windstorm/thunderstorm is expected in upper Punjab, northeast Balochistan, Khyber Pakhtunkhwa, Kashmir and Gilgit Baltistan. Heavyfalls/hailstorm may occur at isolated places in Khyber Pakhtunkhwa and Kashmir. While dry weather is expected in other parts of the country.

WEDNESDAY**09-10-2024**

Mainly dry weather is expected in most parts of the country. However, rain-wind/thunderstorm is likely in upper Khyber-Pakhtunkhwa, Kashmir, Gilgit-Baltistan. Isolated rain-wind/thunderstorm is also likely in Potohar region, northeast Punjab.

THURSDAY**10-10-2024**

Mainly hot & dry weather is expected in most plain areas of the country. However, partly cloudy weather with chances of rain-wind/thunderstorm at isolated places in upper khyberpakhtunkhwa, Kashmir and Gilgit-Baltistan.

FRIDAY**11-10-2024**

Mainly hot & dry weather is expected in most plain areas of the country. However, rain-wind/thunderstorm is expected at isolated places in upper khyberpakhtunkhwa, Gilgit-Baltistan and Kashmir.

SATURDAY**12-10-2024**

Mainly hot & dry weather is expected in most plain areas of the country. However, partly cloudy weather with chances of rain-wind/thunderstorm at isolated places in Gilgit-Baltistan.

SUNDAY**13-10-2024**

Mainly hot & dry weather is expected in most plain areas of the country. However, rain-wind/thunderstorm is likely at isolated places in 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 (30th September – 06th October 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 | 37.6 | 39.5 | 114.0 | 63 | 0.0 | 0.6 | 0.0 | 0.9 | 0.9 |
| Faisalabad | 35.7 | 37.0 | 106.3 | 71 | 0.0 | 0.3 | 0.4 | 1.4 | 2.0 |
| Gawadar | 34.1 | 35.0 | 97.5 | 78 | 0.0 | 2.0 | 0.0 | 9.4 | 12.0 |
| Gilgit | 31.4 | 34.5 | 44.3 | 58 | 0.7 | 1.1 | 4.0 | 0.0 | 3.3 |
| Kalam | 24.1 | 25.5 | 11.3 | 47 | 0.0 | 0.0 | 3.0 | 0.0 | 0.7 |
| Lahore | 35.0 | 36.8 | 103.5 | 66 | 8.0 | 1.1 | 1.7 | 0.0 | 1.4 |
| Malam Jabba | 21.4 | 25.0 | 8.3 | 64 | 34.0 | 0.0 | 1.7 | 3.7 | 2.9 |
| Mangla | 34.6 | 35.7 | 92.8 | 70 | 7.4 | 0.4 | 0.4 | 0.0 | 0.6 |
| Multan (PBO) | 37.7 | 41.5 | 113.5 | 54 | 0.0 | 0.0 | 0.4 | 1.7 | 4.3 |
| Murree | 23.3 | 24.6 | 24.9 | 62 | 25.0 | 0.0 | 1.3 | 2.0 | 0.9 |
| Muzaffarabad | 32.9 | 33.8 | 72.6 | 60 | 47.0 | 0.0 | 1.0 | 0.0 | 0.0 |
| Sh. Ben. Abad | 40.3 | 42.0 | 129.5 | 66 | 0.0 | 0.6 | 0.3 | 5.4 | 6.6 |
| Peshawar | 35.5 | 38.0 | 93.0 | 65 | 25.0 | 0.3 | 1.4 | 0.3 | 2.6 |
| Quetta | 29.6 | 30.5 | 113.0 | 30 | 8.8 | 2.1 | 6.2 | 1.1 | 3.4 |
| Rawalpindi | 34.5 | 35.5 | 79.3 | 66 | 58.7 | 0.0 | 1.1 | 0.0 | 0.2 |
| Rohri | 39.0 | 41.0 | 126.5 | 59 | 0.0 | 0.6 | 0.0 | 2.3 | 2.3 |
| Skardu | 25.8 | 27.7 | 11.7 | 47 | 0.0 | 1.9 | 3.0 | 0.0 | 0.7 |
| Tandojam | 37.4 | 38.5 | 108.4 | 74 | 0.0 | 0.3 | 0.3 | 1.8 | 5.7 |
| U.Muhammad | 38.1 | 41.0 | 183.8 | 70 | 0.0 | 0.5 | 0.2 | 0.3 | 1.4 |
| Zhob | 33.0 | 34.5 | 81.3 | 41 | 0.0 | 0.0 | 1.9 | 0.6 | 4.3 |

*** Shows that data was not available.