

Decadal Agromet Bulletin of Pakistan



Highlights...

- ❖ Mainly dry weather prevailed in most parts while, hot in southern parts of the country. Light rainfall reported from upper Khyber Pakhtunkhwa, Gilgit Baltistan and trace from Islamabad.
- ❖ Highest amount of rainfall recorded was 5 mm at Chitral during the last decade.
- ❖ Highest maximum temperature recorded was 48.5°C at Sh. Benazirabad during the last decade.
- ❖ Mainly hot and dry weather is expected in most parts of the country. However, rain wind-thunderstorm is likely in, Punjab, Khyber Pakhtunkhwa, Sindh, Balochistan, Gilgit-Baltistan and Azad Jammu & Kashmir during the decade.
- ❖ Farmers are advised to view the weather forecast before any field activity.

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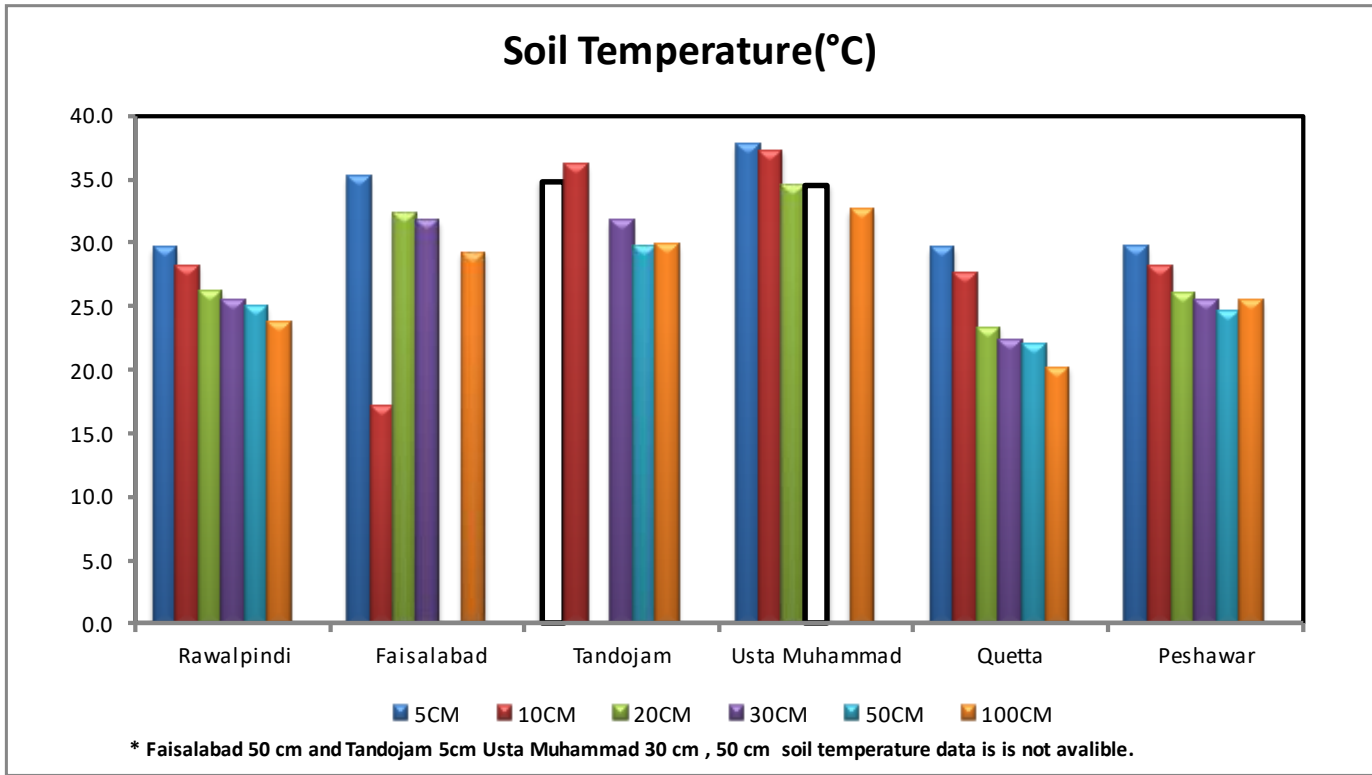
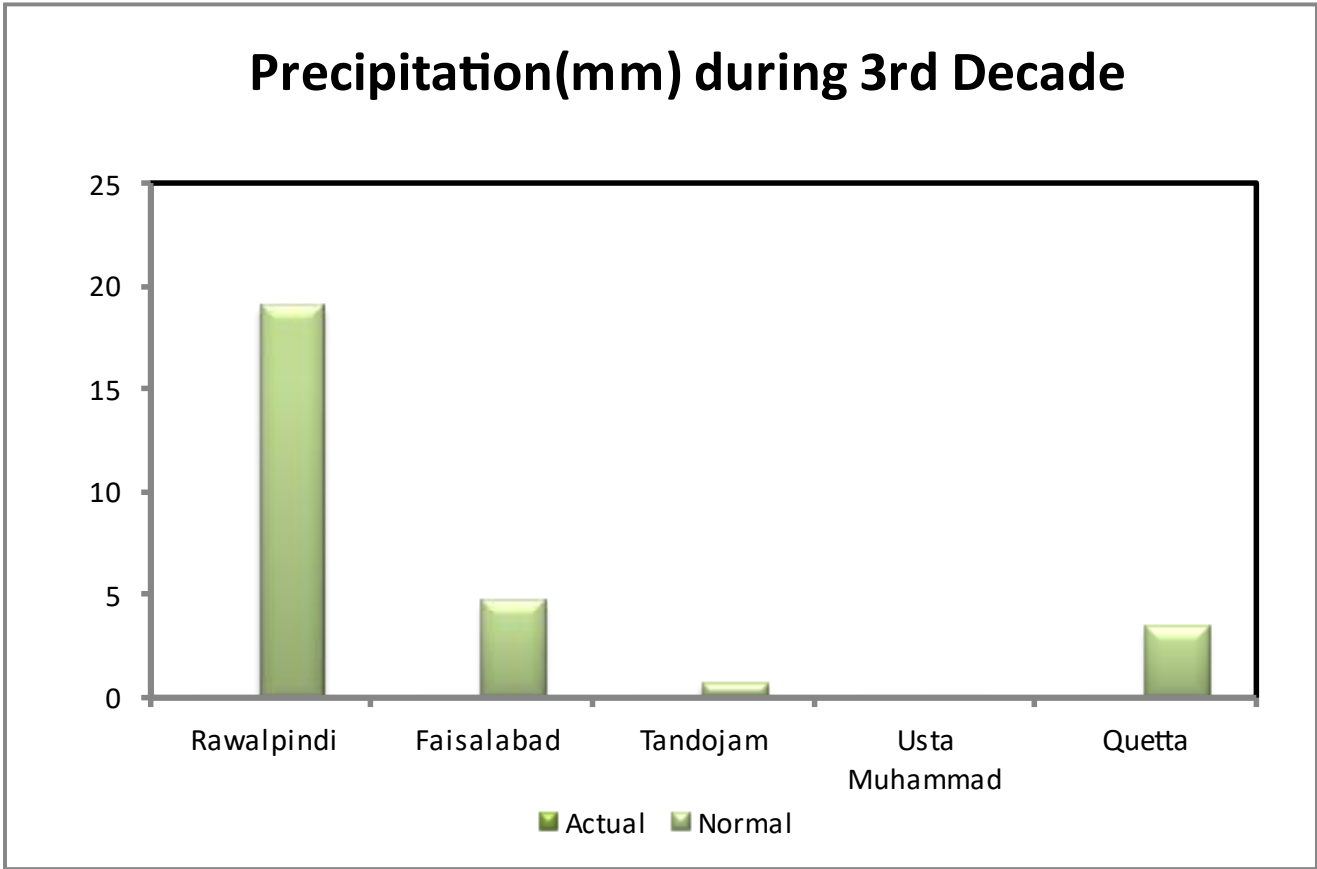
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Meteorological Conditions during 3rd Decade of April 2025

| Sr. No. | Station | Precipitation (mm) | | | Air Temperature (°C) | | | Soil Temperatures (°C) | | | | | | R.H (%) | Sunshine Duration(hours) | Wind Speed (km/hr) | ETo (mm/day) |
|---------|------------|--------------------|--------|-------|----------------------|----------|------|------------------------|------|------|------|------|-------|---------|--------------------------|--------------------|--------------|
| | | Normal | Actual | Dep | Tmx Dep | Tmin Dep | Mean | 5cm | 10cm | 20cm | 30cm | 50cm | 100cm | | | | |
| 1 | Rawalpindi | 19.1 | 0.0 | -19.1 | 4.3 | -0.7 | 27.5 | 29.6 | 28.2 | 26.1 | 25.4 | 25.0 | 23.7 | 35.9 | 96.3 | 1.6 | 4.6 |
| 2 | Faisalabad | 4.7 | 0.0 | -4.7 | 3.1 | -1.1 | 30.9 | 35.2 | 17.1 | 32.4 | 31.8 | *** | 29.2 | 30.0 | 111.0 | 2.5 | 5.7 |
| 3 | Jhelum | 10.0 | 0.0 | -10.0 | 2.9 | -0.2 | 30.3 | 34.8 | 33.0 | 32.4 | 30.1 | 29.7 | *** | 28.0 | 97.7 | 3.3 | 5.6 |
| 4 | Lahore | 3.1 | 0.0 | -3.1 | 2.6 | -1.4 | 31.2 | 30.2 | 28.5 | 28.5 | 28.0 | *** | 26.0 | 22.0 | 89.0 | 1.4 | 4.5 |
| 5 | Sargodha | 7.1 | 0.0 | -7.1 | 3.3 | 0.3 | 32.0 | 35.5 | 33.7 | 31.7 | 31.2 | *** | *** | 26.0 | 86.1 | 1.7 | 4.8 |
| 6 | Multan | 2.0 | 0.0 | -2.0 | 2.0 | 0.4 | 32.6 | *** | *** | *** | *** | *** | *** | 30.0 | 111.9 | 3.5 | 6.3 |
| 7 | Khanpur | 0.8 | 0.0 | -0.8 | 2.3 | -1.8 | 32.5 | *** | 33.1 | 33.1 | 32.9 | 32.5 | 30.3 | 24.0 | 105.8 | *** | 8.3 |
| 8 | Tandojam | 0.7 | 0.0 | -0.7 | 2.5 | -0.4 | 32.4 | *** | 36.2 | *** | 31.7 | *** | 29.9 | 41.0 | 98.3 | 7.7 | 7.9 |
| 9 | Sakrand | 0.0 | 0.0 | 0.0 | 4.3 | 1.3 | 34.0 | 45.1 | 38.1 | 34.7 | 34.5 | 33.7 | *** | 30.0 | 111.9 | 3.5 | 6.7 |
| 11 | Rohri | 0.2 | 0.0 | -0.2 | 2.3 | -1.1 | 34.7 | *** | *** | *** | *** | *** | *** | 18.5 | 111.3 | 3.4 | 6.3 |
| 12 | D.I Khan | 2.7 | 0.0 | -2.7 | 4.1 | 1.5 | 32.2 | 31.7 | 30.3 | 29.9 | *** | 18.2 | *** | 28.0 | 93.5 | 3.3 | 5.7 |
| 13 | Peshawar | 10.3 | 0.0 | -10.3 | 4.7 | -2.0 | 28.1 | 29.7 | 28.2 | 26.0 | 25.4 | 24.6 | 25.5 | 34.0 | 89.6 | 4.4 | 5.8 |
| 14 | Usta M. | 0.0 | 0.0 | 0.0 | -0.9 | 0.7 | 33.7 | 37.8 | 37.3 | 34.4 | *** | *** | 32.6 | 41.0 | 0.0 | 2.8 | 6.6 |
| 15 | Quetta | 3.5 | 0.0 | -3.5 | 1.0 | 2.2 | 22.0 | 29.6 | 27.6 | 23.3 | 22.3 | 22.1 | 20.2 | 17.1 | 109.2 | 5.4 | 5.8 |
| 16 | Skardu | 7.4 | 1.3 | -6.1 | 0.6 | -1.2 | 13.9 | *** | *** | *** | *** | *** | *** | 34.0 | 79.1 | 1.7 | 3.5 |
| 17 | Gilgit | 7.0 | 0.1 | -6.9 | 0.9 | 0.1 | 19.2 | *** | *** | *** | *** | *** | *** | 34.9 | 85.5 | 2.9 | 4.3 |

Table-1: Meteorological parameters for selected station of Pakistan. "Dep" in the table stands for difference from climatic normal, i.e. actual value minus normal. The climatic normally used in the Bulletin is extracted from the 2007 - 2016 observed data. 'ETo' stands for reference crop Evapotranspiration*** stands for data non-availability.

Graph at RAMCs during April 2025



Past Weather (21st to 30th April 2025)

Mainly hot and dry weather is expected in most parts of the country. However, rain wind-thunderstorm is likely in Punjab, Khyber Pakhtunkhwa, Sindh, Balochistan, Gilgit-Baltistan and Azad Jammu & Kashmir during the decade.

Punjab

Mainly hot and dry weather prevailed over most areas, however, trace was reported from the Islamabad. The decadal maximum temperature was observed above normal by 2.9 and minimum temperature was observed below normal by 0.6°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded 28%, 99.7hrs, 2.3km/hr and 5.7mm/day respectively.

1.1 Sindh

Hot and dry weather prevailed in the Province. The decadal maximum temperature was observed above normal by 3.0 and minimum temperature was observed below normal by 0.1°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 29.8%, 107.2hrs, 4.9km/hr and 7.6mm/day respectively.

1.2 Khyber Pakhtunkhwa

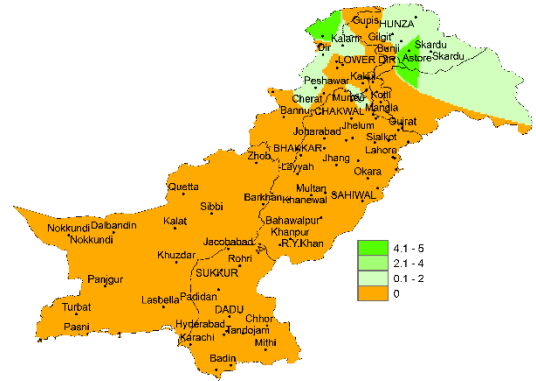
Hot and dry weather prevailed, however light rain reported from upper parts of the Province. The decadal maximum temperature was observed above normal by 4.4 and minimum temperature was observed below normal by 0.2°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 31.0%, 91.6hrs, 3.9km/hr and 5.8mm/day respectively.

1.3 Baluchistan

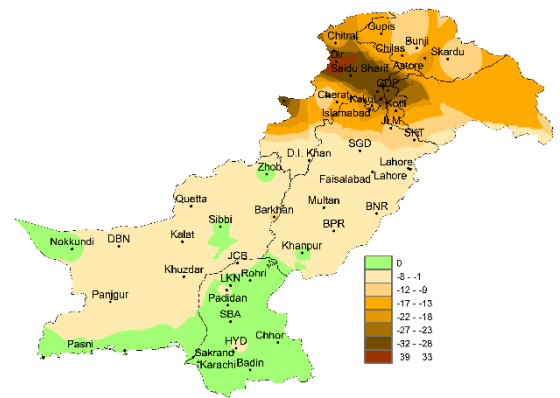
Hot and dry weather prevailed in the Province. The decadal maximum was observed above normal by 0.0°C and minimum temperature was above normal by 1.5°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 29.1%, 54.6hrs, 4.1km/hr and 6.2mm/day respectively.

1.4 Gilgit-Baltistan and Azad Jammu & Kashmir.

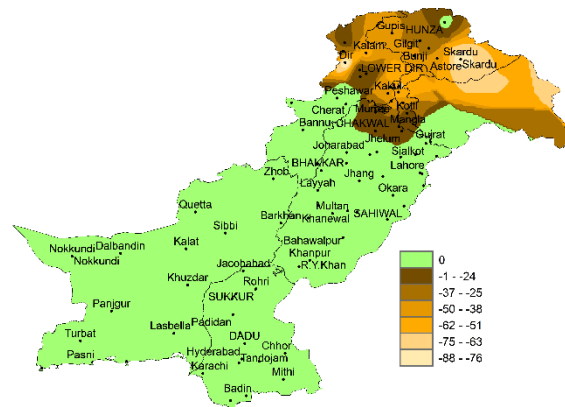
Mainly dry weather prevailed, however light rain was reported from Gilgit Baltistan. Dry weather prevailed in the Kashmir. The decadal maximum was observed above normal by 0.7°C and minimum temperature was below normal by 0.5°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 34%, 82.3hrs, 2.3km/hr and 3.9mm/day respectively.



Actual rainfall



Departure of rainfall from Normal



Departure of rainfall from Previous Decade

Figure.1: Rainfall distribution during previous decade (mm)(a)

Past Weather for Major Agricultural Plains

(21st to 30th April 2025)

2.1 RAMC, Rawalpindi (Potohar region)

Dry weather was observed during the decade; However, the weather remained partially cloudy for 04 days. Average relative humidity recorded as 36%. Mean day temperature was 37.9°C while the night temperature was recorded as 17.0°C with 96.3 hours of bright sunshine duration. Wind speed recorded as 1.6km/hr with mean wind direction *variable*.

2.2 RAMC, Faisalabad (Central Punjab)

Dry weather was observed during the decade; However, weather remained partially cloudy for 05 days during the decade. Average relative humidity recorded as 30%. Mean day temperature was 41.3°C while night temperature was recorded as 20.5°C with 111.0 hours of bright sunshine duration. Wind speed recorded as 2.5km/hr with mean wind direction *westerly*.
Wheat: Harvested, Irrigated.

2.3 RAMC, Tandojam (Lower Sindh)

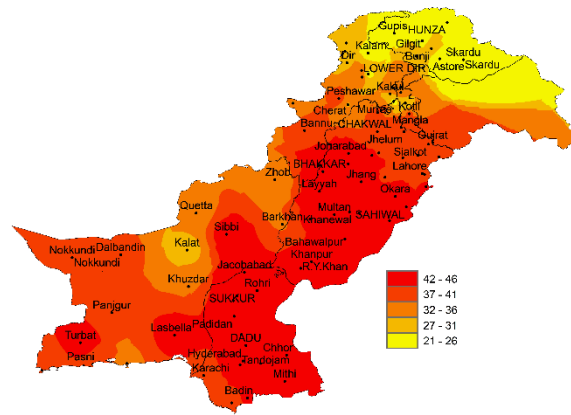
Dry weather was observed during the decade. Average relative humidity recorded as 41%. Mean day temperature was 43.1°C while the night temperature was recorded as 21.7°C with 98.3hours bright sunshine duration. Wind speed was recorded as 7.7km/hr with mean wind direction *south-south westerly*.

2.4 RAMC, Usta Muhammad (Eastern Baluchistan)

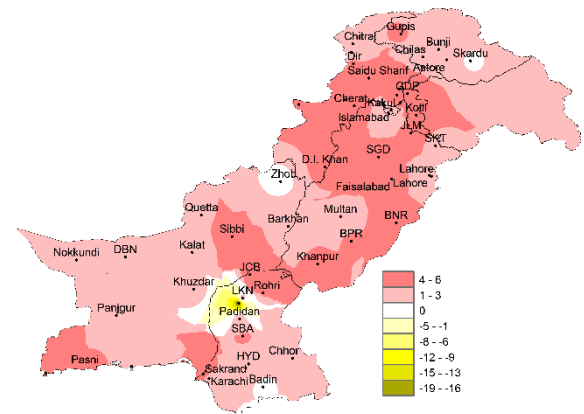
Dry weather was observed during the decade. Average relative humidity recorded as 35%. Mean day temperature was 44.0°C while night temperature recorded as 23.3°C. Wind speed recorded as 2.8km/hr with mean wind direction *north easterly*.
Wheat: Good, wax maturity.

2.5 RAMC, Quetta (Northern Baluchistan)

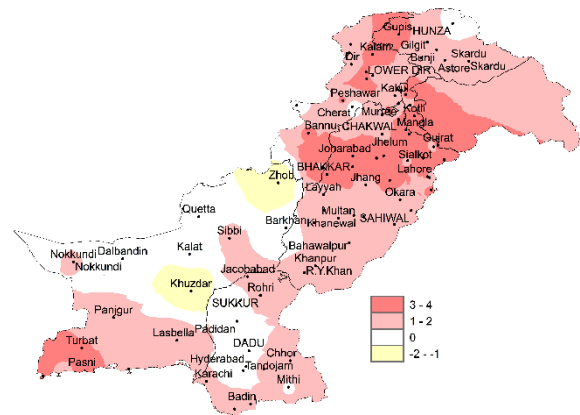
Dry weather was observed during the decade; However, weather remained partially cloudy for 05 days during the decade. Average relative humidity recorded as 17.1%. Mean day temperature was 29.8°C while night temperature recorded as 14.1°C with 109.2 hours bright sunshine duration. Wind speed recorded as 5.4 km/hr with mean wind direction *north westerly*.
Wheat: Good, Milk maturity.



Actual max-temperature



Departure of max-temperature from Normal



I. Departure of max-temperature from Previous Decade
Figure.2: Maximum Temperature distribution during previous decade

2(b) Past Weather or Sub-Regional Agricultural Plains (21st to 30th April 2025)

2.6 Jhelum

Dry weather was observed during the decade; the weather remained partially cloudy for 04 days. Average relative humidity recorded as 28%. Mean day temperature was 39.9°C while night temperature recorded as 20.7°C with 98 hours of bright sunshine duration. Wind speed recorded as 3.3km/hr with mean wind direction *variable*.

2.7 Lahore

Dry weather was observed during the decade; However, weather remained partially cloudy for 02 days. Average relative humidity recorded as 22%. Mean day temperature was 39.7°C while night temperature recorded as 22.7°C with 89 hours bright sunshine duration. Wind speed recorded as 1.4 km/hr with mean wind direction *variable*.

2.8 Sargodha

Dry weather was observed during the decade; However, the weather remained partially cloudy for 02 days. Average relative humidity recorded as 26%. Mean day temperature was 41.4°C while night temperature recorded as 22.6°C with 86.1 hours of bright sunshine duration. Wind speed recorded as 1.7km/hr with mean wind direction *variable*.

2.9 Multan

Dry weather was observed during the decade; However, weather remained partially cloudy for 05days. Average relative humidity recorded as 19%. Mean day temperature was 41.5°C while night temperature recorded as 22.5°C with 97.5 hours bright sunshine duration. Wind speed recorded as 3.5 km/hr with mean wind direction *south westerly*.

2.10 Khanpur

Dry weather was observed during the decade. Average relative humidity recorded as 24%. Mean day temperature was 43.6°C while night temperature recorded as 21.3°C with 105.8 hours bright sunshine duration. Mean prevailing wind direction was *south westerly*.

2.11 Sakrand

Dry weather was observed during the decade; Average relative humidity recorded as 30%. Mean day temperature was 44.3°C while night temperature recorded as 23.7°C with 111.9 hours bright sunshine duration. Wind speed recorded as 3.5 km/hr with mean direction *southerly*.

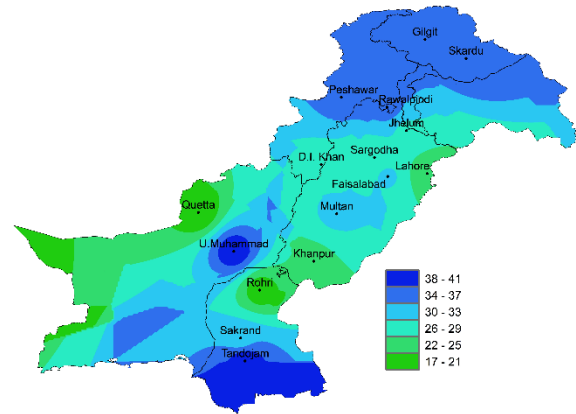


Figure.3: Relative Humidity in Percentage (%)

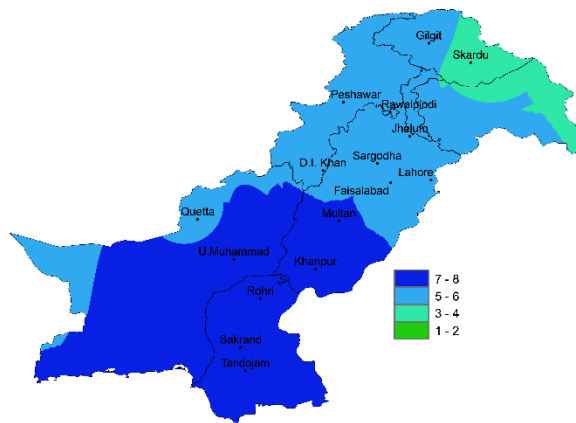


Figure.4: Reference Crop Evapotranspiration ETO (mm/day)

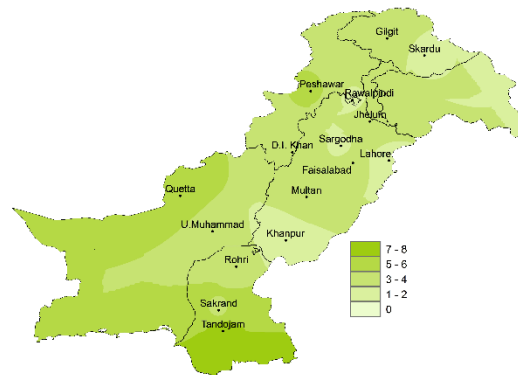


Figure 5: Wind Speed in kilometer per hour (km/h)

2.12 Rohri

Dry weather was observed during the decade; Average relative humidity recorded as 19%. Mean day temperature was 44.3°C while night temperature recorded as 25.0°C with 111.3 hours bright sunshine duration. Wind speed recorded as 3.4km/hr with mean wind direction *north easterly*.

Wheat: *Good, Harvesting.*

2.13 D.I. Khan

Dry weather was observed during the decade; However, the weather remained partially cloudy for 02 days. Average relative humidity recorded as 28%. Mean day temperature was 41.6°C while night temperature recorded as 22.8°C with 93.5 hours bright sunshine duration. Wind speed recorded as 3.3km/hr with mean wind direction *south-south easterly*.

2.14 Peshawar

Dry weather was observed during the decade; However, weather remained partially cloudy for 05 days. Average relative humidity recorded as 34%. Mean day temperature was 38.4°C while night temperature recorded as 17.8°C with 89.6 hours bright sunshine duration. Wind speed recorded as 4.4km/hr with mean wind direction as *north westerly*.

2.15 Skardu

Rain was reported 1.3mm was observed during the decade; However, weather remained partially cloudy for 03 days. Average relative humidity recorded as 34%. Mean day temperature was 21.5°C while night temperature recorded as 6.2°C with 79.1 hours bright sunshine duration. Wind speed recorded as 1.7km/hr with mean wind direction as *north westerly*.

2.16 Gilgit

Rain was reported 0.1mm was observed during the decade; However, weather remained partially cloudy for 09 days. Average relative humidity recorded as 35%. Mean day temperature was 28.7°C while night temperature recorded as 9.7°C with 85.5 hours bright sunshine duration. Wind speed recorded as 2.9km/hr with mean wind direction as *south easterly*.

Eight Days Weather Advisory for Farmers (21st to 30th April 2025)**3.1 Temperature Forecast**

Normal mean temperature is likely over most parts of the county.

3.2 Wind Forecast

Generally, normal wind patterns may prevail in most of the agricultural plains of the country.

3.3 Rain Forecast**❖ Punjab:**

Rain/wind-thunderstorm is likely in the province during the decade.

❖ Khyber Pakhtunkhwa:

Rain/wind-thunderstorm is likely in the province during the decade

❖ Sindh:

Rain/wind-thunderstorm is likely in the province during the decade

❖ Baluchistan:

Rain/wind-thunderstorm is likely in the province during the decade

❖ Gilgit-Baltistan:

Rain/wind-thunderstorm is likely in Gilgit-Baltistan during 2nd half of the decade.

Kashmir:

Rain/wind-thunderstorm is likely in Kashmir during 2nd half of the decade

3.4 Advisory for Farmers

Farmers are advised to follow the weather forecast to proceed for any field activity.