

# Decadal Agromet Bulletin of Pakistan



## Highlights...

- ❖ Hot and dry weather prevailed over most parts of the country, while very hot in plain areas. However, light to moderate rainfall was received from Punjab, Khyber Pakhtunkhwa, Gilgit-Baltistan and Kashmir, whereas hot and dry weather reported from Sindh and Baluchistan.
- ❖ Highest amount of rainfall recorded was 29 mm at Sahiwal during the last decade.
- ❖ Highest Maximum temperature recorded was 50 °C at Bhakkar during the last decade.
- ❖ Hot and dry weather is likely in most parts of the country, while very hot in plain areas. However, partly cloudy with rain wind-thunderstorm is expected in northeast Punjab, Pothohar region, upper Khyber Pakhtunkhwa, Gilgit-Baltistan and Kashmir during the decade.
- ❖ Farmers are advised to view the weather forecast before any field activity.

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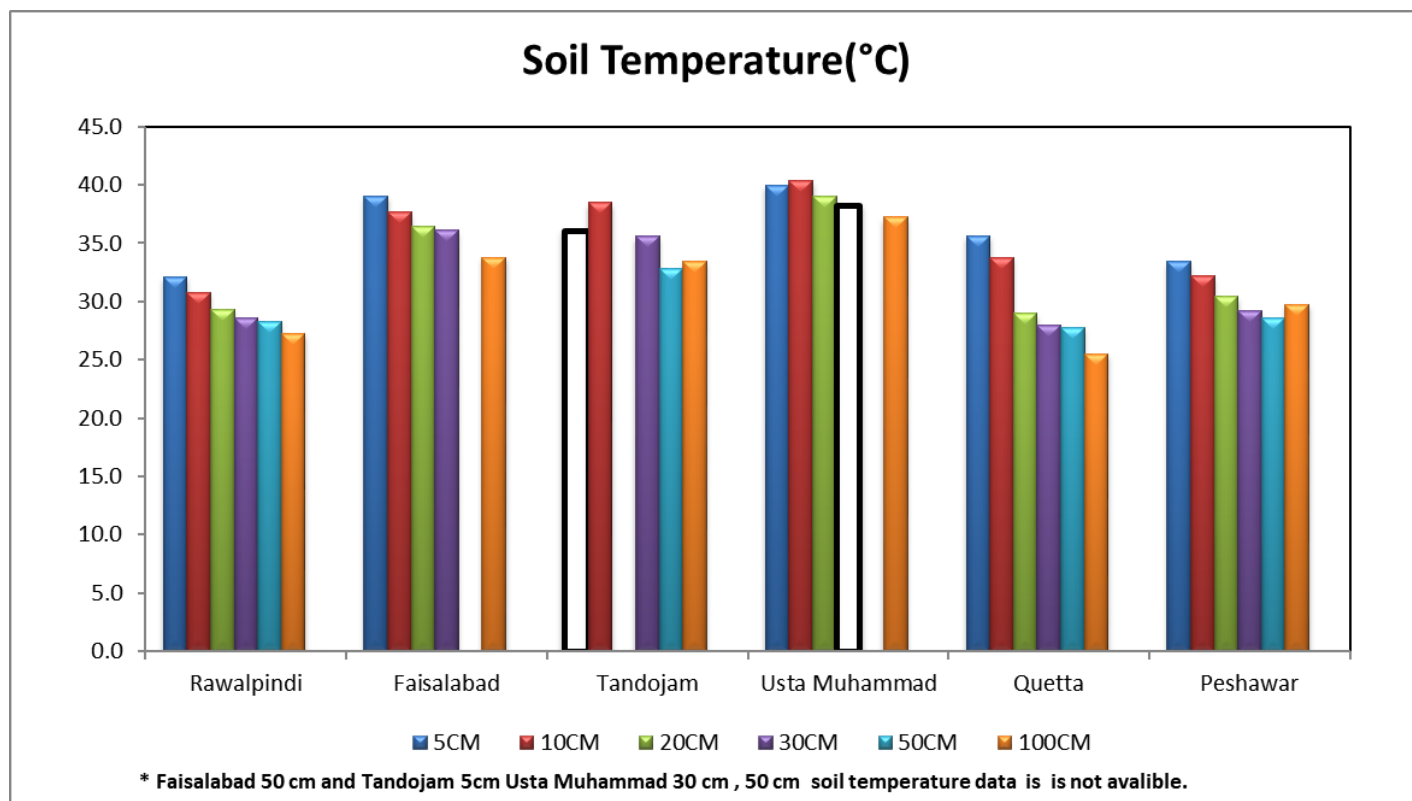
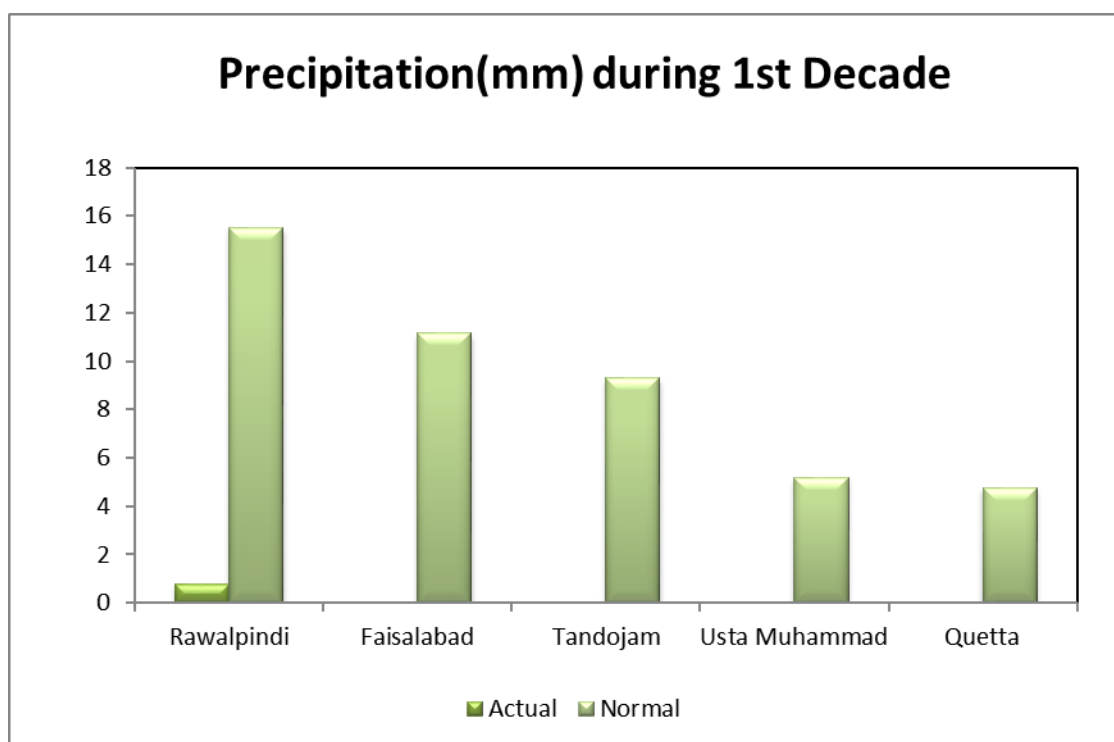
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**Meteorological Conditions during 1<sup>st</sup> Decade of June 2025**

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	15.5	0.8	-14.7	0.3	-0.9	30.3	32.1	30.8	29.3	28.6	28.3	27.3	36.0	95.1	2.2	5.4
2	Faisalabad	11.1	0.0	-11.1	-0.3	-0.1	33.3	39.1	37.7	36.5	36.1	***	33.8	37.0	107.2	4.0	6.7
3	Jhelum	20.9	1.0	-19.9	-0.2	-0.5	32.8	36.0	35.1	33.7	32.9	32.8	***	34.6	101.0	1.6	5.4
4	Lahore	12.3	0.0	-12.3	1.3	-1.9	33.2	34.8	34.1	33.1	32.3	***	29.8	33.0	75.8	2.4	5.4
5	Sargodha	2.9	0.0	-2.9	-0.5	-0.4	34.1	38.9	37.1	35.1	34.7	***	***	41.0	78.7	3.1	5.8
6	Multan	1.0	0.0	-1.0	-0.6	-0.3	34.8	***	***	***	***	***	***	41.0	106.1	5.5	4.3
7	Khanpur	5.7	0.0	-5.7	1.4	0.9	35.1	***	37.5	37.7	37.5	37.2	34.7	45.0	95.7	5.5	7.1
8	Tandojam	9.3	0.0	-9.3	1.0	0.1	33.5	***	38.5	***	35.6	***	33.5	56.0	98.2	15.0	8.9
9	Sakrand	9.0	0.0	-9.0	2.5	2.1	36.1	45.9	40.9	38.6	38.2	37.7	***	41.0	106.1	9.1	9.0
11	Rohri	0.0	0.0	0.0	1.8	-1.1	36.2	***	***	***	***	***	***	44.3	103.3	6.3	7.8
12	D.I Khan	3.3	0.0	-3.3	0.1	1.3	33.9	36.3	35.2	35.1	***	23.3	***	37.0	83.5	4.7	6.5
13	Peshawar	5.6	4.0	-1.6	0.3	-2.6	31.2	33.4	32.2	30.4	29.2	28.6	29.7	40.0	94.2	5.4	6.7
14	Usta M.	5.2	0.0	-5.2	-0.9	1.1	36.9	40.0	40.3	39.0	***	***	37.2	38.0	0.0	4.8	7.5
15	Quetta	4.8	0.0	-4.8	-0.3	0.4	25.8	35.6	33.8	29.0	28.0	27.8	25.5	19.3	103.4	5.5	6.4
16	Skardu	3.1	4.8	1.7	-1.3	-1.8	18.4	***	***	***	***	***	***	39.0	72.7	2.2	4.2
17	Gilgit	5.5	0.0	-5.5	-1.2	1.5	23.4	***	***	***	***	***	***	36.3	77.1	4.4	5.5

**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 June 2025



### Past Weather (1<sup>st</sup> to 10<sup>th</sup> June 2025)

Hot and dry weather prevailed over most parts of the country, while very hot in plain areas. However, light to moderate rainfall was received from Punjab, Khyber Pakhtunkhwa, Gilgit-Baltistan and Kashmir, whereas hot and dry weather reported from Sindh and Baluchistan.

#### 1.1 Punjab

Light to moderate rainfall was received by most areas of the province. The decadal maximum and minimum temperatures were observed above normal by 0.2°C and below normal 0.5°C in the province. Whereas values of relative humidity, sunshine hours, wind speed & ETo were recorded 38.2%, 94.2hrs, 3.5km/hr and 5.7mm/day respectively.

#### 1.2 Sindh

Hot and dry weather prevailed in the Province. The decadal maximum temperature was observed above normal by 1.8°C and minimum temperature slightly above normal by 0.3°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 47.1%, 102.5 hours, 10.1km/hr, and 8.6 mm/day respectively.

#### 1.3 Khyber Pakhtunkhwa

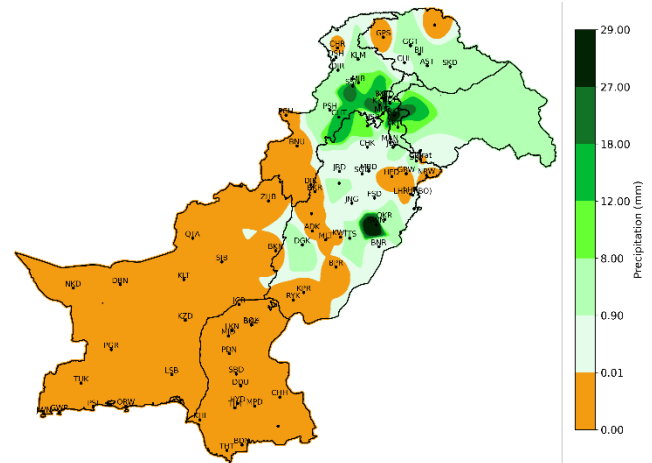
Light to moderate rainfall was reported from the province. The decadal maximum and minimum temperatures were observed above normal by 0.2°C and below normal 0.6°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 38.5%, 88.9hrs, 5.1km/hr and 6.6 mm/day respectively.

#### 1.4 Baluchistan

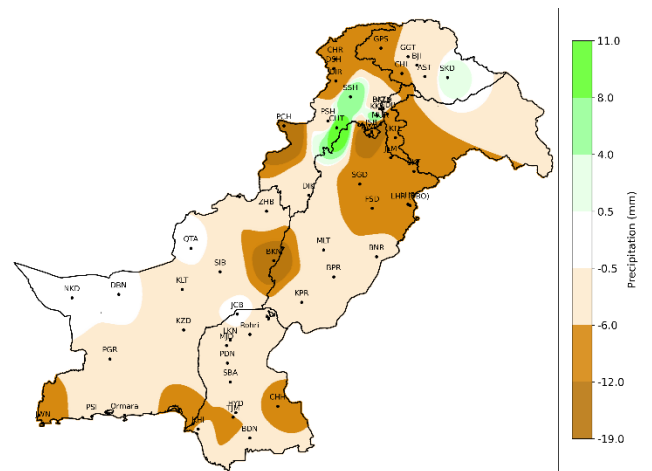
Hot and dry weather prevailed in the province. The decadal maximum and minimum temperatures were observed below normal by 0.6°C and above normal by 0.8°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 28.7%, 51.7hrs, 5.2km/hr and 7.0mm/day respectively.

#### 1.5 Gilgit-Baltistan and Azad Jammu & Kashmir.

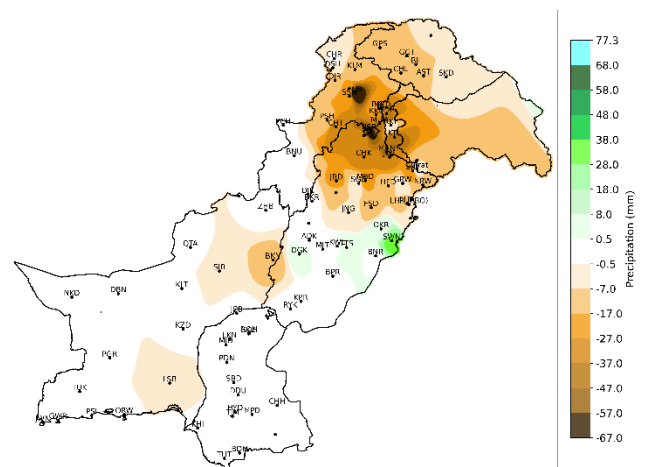
Light to moderate rainfall was reported from Gilgit-Baltistan and Kashmir. The decadal maximum temperature was observed below normal by 1.3°C and minimum temperature below 0.1 in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 38%, 74.9hrs, 3.3km/hr and 4.9mm/day respectively.



I. Actual rainfall



II. Departure of rainfall from Normal



III. Departure of rainfall from Previous Decade

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

**(a) Past Weather for Major Agricultural Plains**  
**(1<sup>st</sup> to 10<sup>th</sup> June 2025)**

**2.1 RAMC, Rawalpindi (Potohar region)**

Rain was reported 0.8mm during the decade; however, weather remained partially cloudy for 08 days. Average relative humidity recorded as 36%. Mean day temperature was 38.8°C while night temperature recorded as 21.7°C with 95 hours bright sunshine duration. Wind speed recorded as 2.2km/hr with mean wind direction *variable*.

*No crop reported from the station.*

**2.2 RAMC, Faisalabad (Central Punjab)**

Rain was reported 0.01 mm during the decade; however, weather remained partially cloudy for 04 days. Average relative humidity recorded as 37%. Mean day temperature was 40.5°C while night temperature recorded as 26.0°C with 107.2 hours bright sunshine duration. Wind speed recorded as 4.0km/hr with mean wind direction *variable*.

**Cotton:** *Very good, Third leaf completed.*

**2.3 RAMC, Tandojam (Lower Sindh)**

Dry weather was observed during the decade; however, weather remained partially cloudy for 01 days. Average relative humidity recorded as 56%. Mean day temperature was 40.4°C while night temperature recorded as 26.5°C with 98.2 hours bright sunshine duration. Wind speed recorded as 15.0 km/hr with mean wind direction *South south westerly*.

**Cotton (CRIS-682):** *Good, Third true Leaf.*

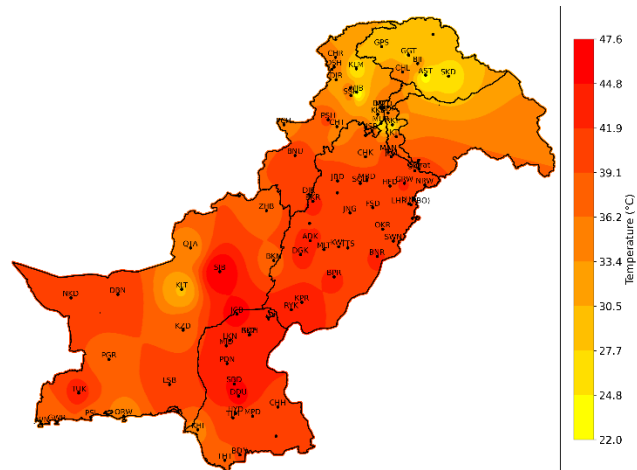
**2.4 RAMC, Usta Muhammad (Eastern Baluchistan)**

Dry weather was observed during the decade; Sky remained clear throughout the decade. Average relative humidity recorded as 38%. Mean day temperature was 45.0°C while night temperature recorded as 28.8°C. Wind speed recorded as 4.8 km/hr with mean wind direction *North Easterly*.

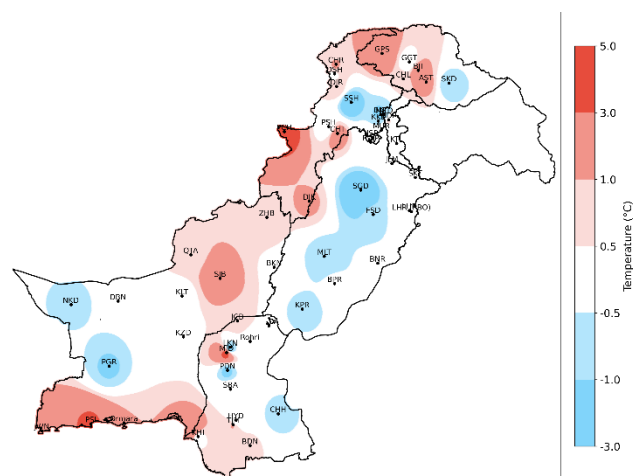
*No crop reported from the station.*

**2.5 RAMC, Quetta (Northern Baluchistan)**

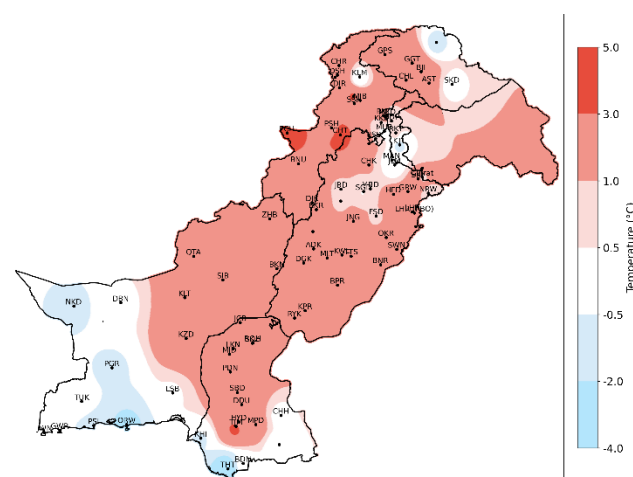
Dry weather was observed during the decade; however, weather remained partially cloudy for 07 days. Average relative humidity recorded as 19.3%. Mean day temperature was 33.5°C while night temperature recorded as 18.0°C with 101.2 hours bright sunshine duration. Wind speed recorded as 5.5 km/hr with mean wind direction *North Westerly*.



IV. Actual max-temperature



V. Departure of max-temperature from Normal



VI. Departure of max-temperature from Previous Decade

Figure.2: Maximum Temperature distribution during previous decade (°C)

## **(b)Past Weather or Sub-Regional Agricultural Plains (1<sup>st</sup> to 10<sup>th</sup> June 2025)**

### **2.6 Jhelum**

Rain was reported 1.0 mm during the decade; weather remained partially cloudy for 04 days. Average relative humidity recorded as 35%. Mean day temperature was 40.4°C while night temperature recorded as 25.1°C with 101.0 hours bright sunshine duration. Wind speed recorded as 1.6km/hr with mean wind direction *South Easterly*

### **2.7 Lahore**

Hot and dry weather was reported during the decade; however, weather remained partially cloudy for 05 days. Average relative humidity recorded as 33%. Mean day temperature was 40.5°C while night temperature recorded as 25.8°C with 75.8 hours bright sunshine duration. Wind speed recorded as 2.4 km/hr with mean wind direction *variable*.

### **2.8 Sargodha**

Rain was reported 0.01 mm during the decade; however, weather remained partially cloudy for 04 days. Average relative humidity recorded as 41%. Mean day temperature was 41.2°C while night temperature recorded as 27°C with 78.7 hours bright sunshine duration. Wind speed recorded as 3.1km/hr with mean wind direction *south Easterly*.

### **2.9 Multan**

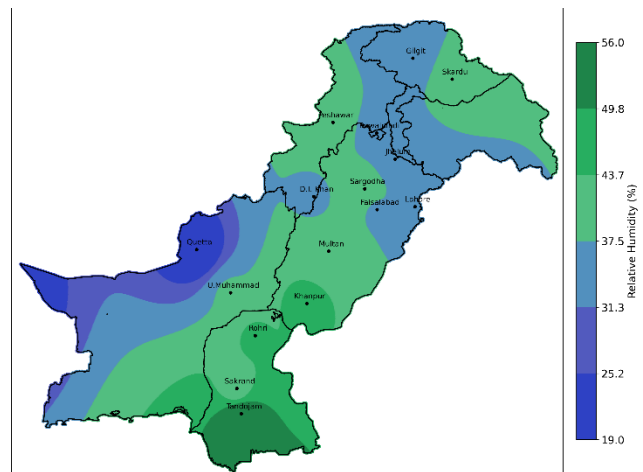
Hot and dry weather was reported during the decade; however, weather remained partially cloudy for 03 days. Average relative humidity recorded as 34%. Mean day temperature was 41.5°C while night temperature recorded as 29.1°C with 87.9 hours bright sunshine duration. Wind speed recorded as 5.5 km/hr with mean wind direction *south westerly*.

### **2.10 Khanpur**

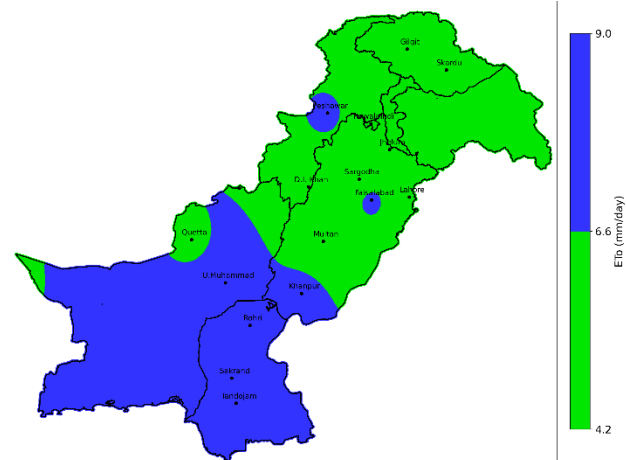
Hot and dry weather was reported during the decade; however, weather remained partially cloudy for 0 days. Average relative humidity recorded as 45%. Mean day temperature was 42.2°C while night temperature recorded as 28.0°C with 94.7 hours bright sunshine duration with mean wind direction *south westerly*.

### **2.11 Sakrand**

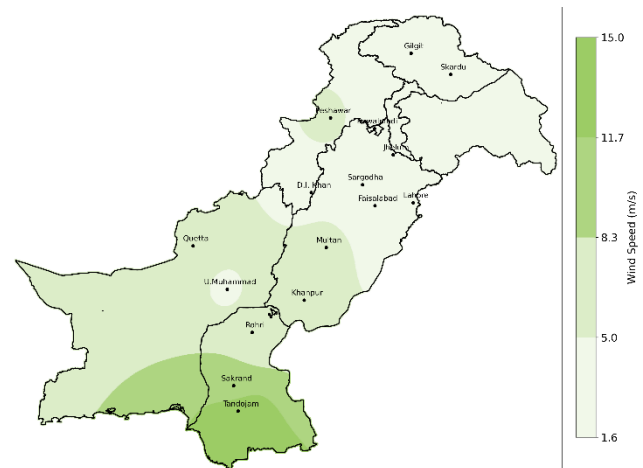
Hot and dry weather was reported during the decade; however, weather remained partially cloudy for 0 day. Average relative humidity recorded as 41%. Mean day temperature was 44.0°C while night temperature recorded as 28.1°C with 106.1 hours bright sunshine duration. Wind speed recorded as 9.1 km/hr with 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

Hot and dry weather was reported during the decade; however, weather remained partially cloudy for 0 days. Average relative humidity recorded as 44.3%. Mean day temperature was 44.4°C while night temperature recorded as 28.0°C with 103.3 hours bright sunshine duration. Wind speed recorded as 6.3km/hr with mean wind direction as *southerly*.

### 2.13 D.I. Khan

Hot and dry weather was reported during the decade; however, weather remained partially cloudy for 04 days. Average relative humidity recorded as 37%. Mean day temperature was 41.2°C while night temperature recorded as 26.5°C with 83.5 hours bright sunshine duration. Wind speed recorded as 4.7 km/hr with mean wind direction as *South Easterly*.

### 2.14 Peshawar

Rain was reported 4.0mm during the decade; however, weather remained partially cloudy for 06 days. Average relative humidity recorded as 44%. Mean day temperature was 39.7°C while night temperature recorded as 22.6°C with 94.2 hours bright sunshine duration. Wind speed recorded as 5.4km/hr with mean wind direction as *North Easterly*.

### 2.15 Skardu

Rain was reported 4.8mm during the decade; however, weather remained partially cloudy for 03 days. Average relative humidity recorded as 39%. Mean day temperature was 26.4°C while night temperature recorded as 10.3 °C with 72.7 hours bright sunshine duration. Wind speed recorded as 2.2 km/hr with mean wind direction as *Westerly*.

### 2.16 Gilgit

Dry weather was reported during the decade; however, weather remained partially cloudy for 10 days. Average relative humidity recorded as 36%. Mean day temperature was 32.0°C while night temperature recorded as 14.7°C with 77.1 hours bright sunshine duration. Wind speed recorded as 4.4 km/hr with mean wind direction as *South Easterly*.

## Ten Days Weather Advisory for Farmers (11<sup>th</sup> to 20<sup>th</sup> June 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:

Mainly hot and dry weather is expected in most parts; however, partly cloudy with rain/wind-thunderstorm is likely in northeastern areas and Pothohar region of the Province from 13<sup>th</sup> to 16<sup>th</sup> and 19<sup>th</sup> & 20<sup>th</sup> June during the decade.

#### Khyber Pakhtunkhwa:

❖ Mainly hot and dry weather is expected in most parts; however, partly cloudy with rain/wind-thunderstorm is likely in upper areas of the Province from 13<sup>th</sup> to 16<sup>th</sup> and 19<sup>th</sup> & 20<sup>th</sup> June during the decade.

#### ❖ Sindh:

Hot and dry weather is expected in the province during the decade.

#### ❖ Baluchistan:

❖ Hot and dry weather is expected in the province during the decade.

#### ❖ Gilgit-Baltistan:

Mainly hot and dry weather is expected in most parts; however, partly cloudy with rain/wind-thunderstorm is likely in Gilgit Baltistan from 13<sup>th</sup> to 17<sup>th</sup> and 20<sup>th</sup> June during the decade

#### ❖ Kashmir:

Mainly hot and dry weather is expected in most parts; however, partly cloudy with rain/wind-thunderstorm is likely in Kashmir from 13<sup>th</sup> to 17<sup>th</sup> and 19<sup>th</sup> & 20<sup>th</sup> June during the decade.

### 3.4 Advisory for Farmers

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