

# Decadal Agromet Bulletin of Pakistan



## Highlights...

- ❖ Isolated very heavy falls were received from Punjab and Lower Sindh. Moderate to heavy falls also occurred in Kashmir, upper Khyber Pakhtunkhwa and upper Sindh, while light to moderate rainfall in north/southeastern Balochistan, lower Khyber Pakhtunkhwa and Gilgit Baltistan.
- ❖ Highest amount of rainfall recorded was 233.91 mm at Jhelum during the last decade.
- ❖ Highest Maximum temperature recorded was 44.6 °C at Dalbandin during the last decade.
- ❖ Rain-wind/thundershower with isolated heavy falls is expected in upper half of the agriculture plains in the country during first half of the decade and rain-wind/thundershower with isolated heavy falls is expected in most of the agriculture plains during 2nd half of the decade.
- ❖ Farmers are advised to view the weather forecast before any field activity.

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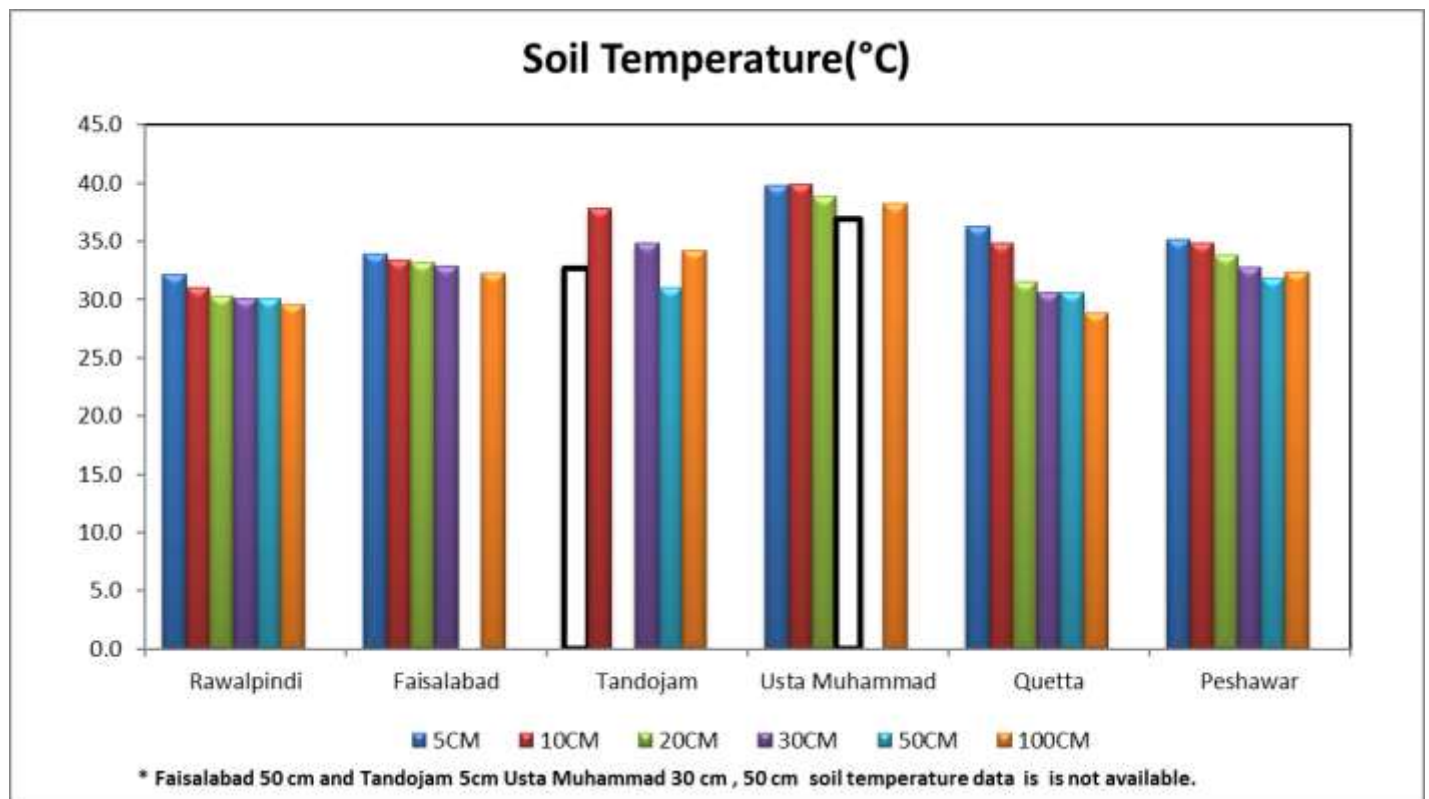
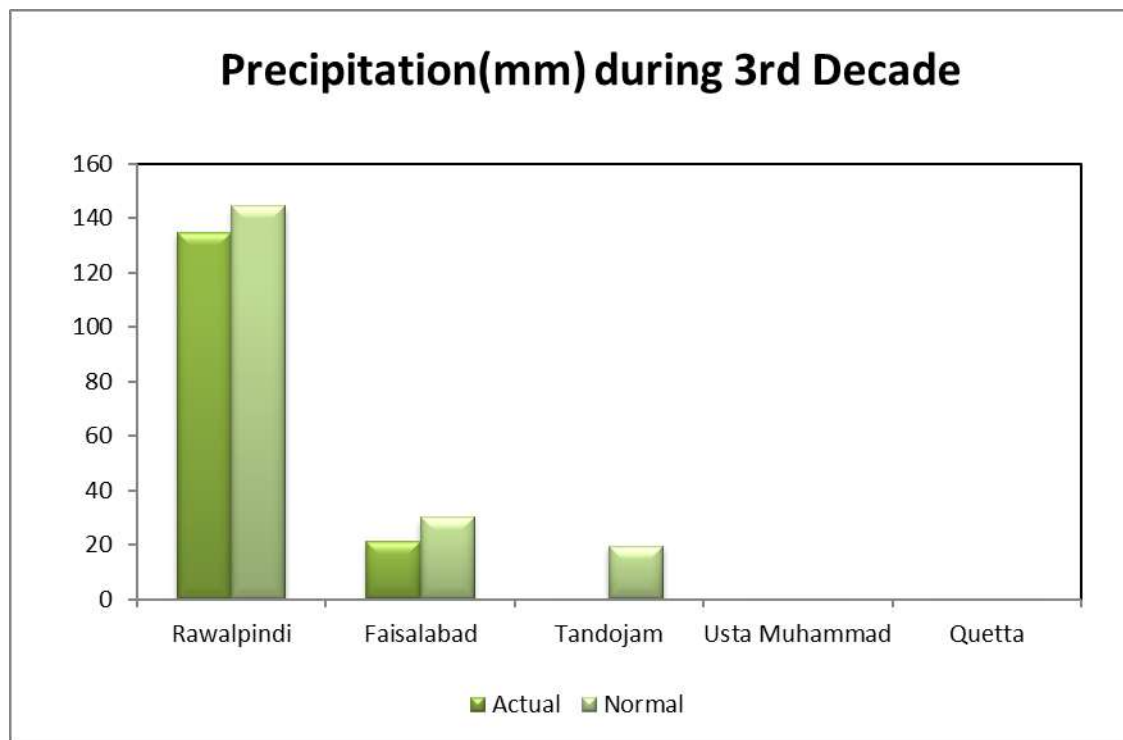
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**Meteorological Conditions during 2<sup>nd</sup> Decade of July 2025**

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	144.6	134.9	-9.7	0.4	0.5	29.4	32.2	31.0	30.3	30.1	30.1	29.5	67.2	55.7	1.9	4.2
2	Faisalabad	30.1	21.00	-9.1	-1.1	1.0	31.8	34.0	33.4	33.2	32.9	***	32.3	72.0	70.2	4.2	5.0
3	Jhelum	91.4	228.9	137.5	-2.1	-0.3	29.5	32.7	31.9	31.4	30.9	31.0	***	81.0	48.7	1.1	3.8
4	Lahore	71.4	89.2	17.8	-1.0	-1.4	29.9	30.9	31.0	30.7	30.4	***	29.7	70.0	30.1	1.5	3.4
5	Sargodha	59.0	70.70	11.7	-1.0	0.9	32.1	34.6	34.0	33.1	32.9	***	***	69.0	64.9	3.9	4.9
6	Multan	15.5	24.00	8.5	0.4	-0.2	33.5	***	***	***	***	***	***	57.0	84.6	6.9	6.5
7	Khanpur	22.1	0.0	-22.1	0.4	0.8	34.1	***	36.7	36.9	36.9	36.7	35.3	62.0	74.4	***	9.0
8	Tandojam	19.5	0.0	-19.5	1.2	0.6	31.7	***	37.8	***	34.8	***	34.3	67.0	65.1	1.5	4.5
9	Sakrand	46.3	0.0	-46.3	0.4	2.1	33.9	45.0	39.0	36.9	36.9	37.0	***	57.0	84.6	8.0	6.9
11	Rohri	3.7	12.0	8.3	0.4	-1.4	34.2	***	***	***	***	***	***	55.7	90.8	6.6	6.8
12	D.I Khan	32.8	10.00	-22.8	0.6	1.7	33.2	36.7	36.2	35.6	***	24.0	***	64.0	57.8	4.3	5.1
13	Peshawar	48.8	0.50	-48.3	0.9	3.4	33.5	35.2	34.9	33.9	32.8	31.9	32.4	68.0	58.2	4.6	5.0
14	Usta M.	0.0	0.0	0.0	-0.6	2.7	34.4	39.8	39.9	38.8	***	***	38.2	58.0	0.0	5.7	6.1
15	Quetta	0.0	0.0	0.0	0.7	-0.8	28.4	36.3	34.8	31.5	30.6	30.6	28.8	31.5	102.4	5.3	6.5
16	Skardu	2.7	4.7	2.0	-1.3	1.2	23.9	***	***	***	***	***	***	52.0	52.5	1.0	3.7
17	Gilgit	6.5	15.2	8.7	-1.9	3.9	27.5	***	***	***	***	***	***	54.9	63.8	3.2	4.6

**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 July 2025



**Past Weather 21<sup>st</sup> to 31<sup>st</sup> July 2025)**

Isolated very heavy falls were received from Punjab and Lower Sindh. Moderate to heavy falls also occurred in Kashmir, upper Khyber Pakhtunkhwa and upper Sindh, while light to moderate rainfall in north/southeastern Balochistan, lower Khyber Pakhtunkhwa and Gilgit Baltistan.

**1.1 Punjab**

Moderate to heavy (isolated very heavy falls) were received from the province. The decadal maximum and minimum temperatures were observed below normal by 0.6°C and minimum temperature above normal by 0.2°C in the province. Whereas values of relative humidity, sunshine hours, wind speed & ETo were recorded 68.3%, 61.2hrs, 3.3km/hr and 5.3 mm/day respectively.

**1.2 Sindh**

Isolated very heavy falls were received from lower parts, while moderate to heavy falls in upper parts of the province. The decadal maximum temperature was observed above normal by 0.7°C and minimum temperature above normal by 0.5°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 59.9%, 80.2 hours, 5.4km/hr, and 6.1 mm/day respectively.

**1.3 Khyber Pakhtunkhwa**

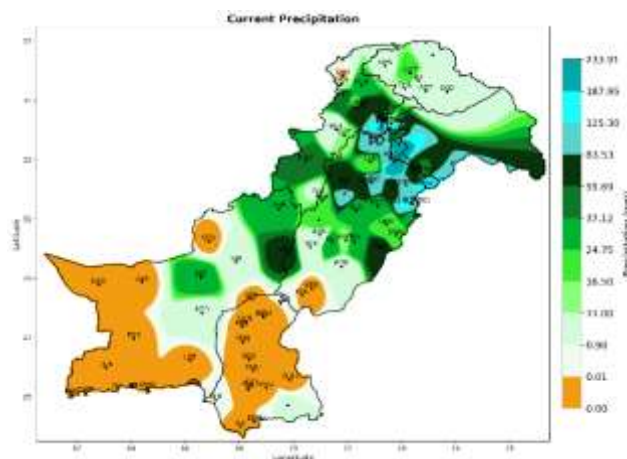
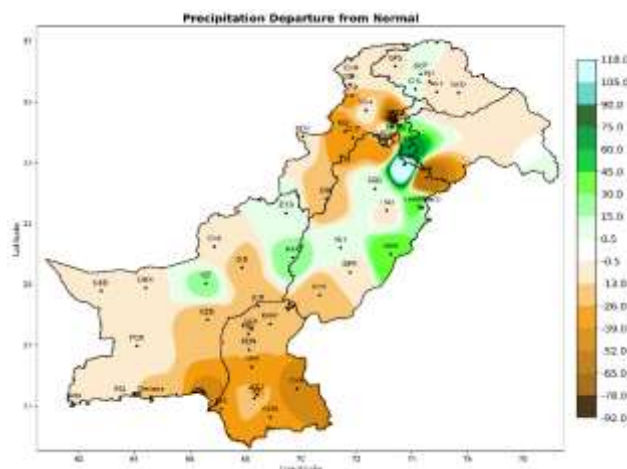
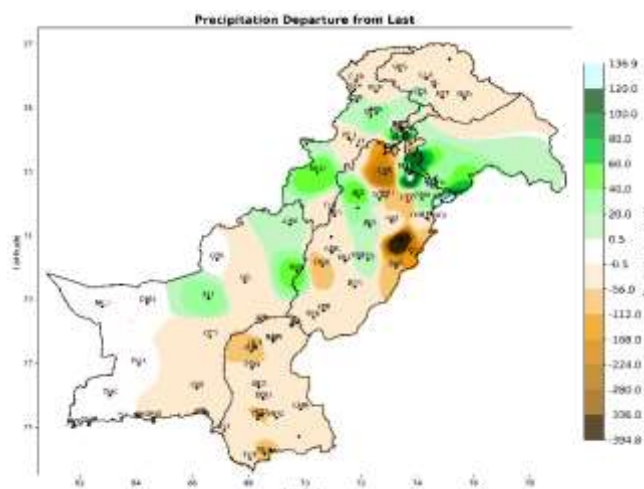
Moderate to heavy falls also occurred in upper areas, while light to moderate in lower areas of the province. The decadal maximum and minimum temperatures were observed above normal by 0.7°C and 2.6°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 66.0%, 58.0hrs, 4.5km/hr and 5.1mm/day respectively.

**1.4 Baluchistan**

Light to moderate rainfall was reported from north/southeastern parts of the province. The decadal maximum and minimum temperatures were observed above normal by 0.1°C and 1.0°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 44.8%, 51.2hrs, 5.5km/hr and 6.3mm/day respectively.

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

Moderate to heavy falls occurred in Kashmir, while light to moderate rainfall in Gilgit Baltistan. The decadal maximum temperature was observed below normal by 1.6°C and minimum temperature above normal by 2.6°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 53%, 58.2hrs, 2.1km/hr and 4.2mm/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**  
(21<sup>st</sup> to 31<sup>st</sup> July 2025)

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

Rain was reported 134.9mm during the decade; however, weather remained partially cloudy for 11 days. Average relative humidity recorded as 67.2%. Mean day temperature was 34.8°C while night temperature recorded as 23.9°C with 55.7 hours bright sunshine duration. Wind speed recorded as 1.9km/hr with mean wind direction *South Easterly*.  
*No crop reported from the station.*

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

Rain was reported 21.0 mm; however, weather remained partially cloudy for 11 days during the decade. Average relative humidity recorded as 72%. Mean day temperature was 35.7°C while night temperature recorded as 27.9°C with 70.2 hours bright sunshine duration. Wind speed recorded as 4.2km/hr with mean wind direction *South Easterly*.  
**Cotton:** *Very good, Flowering.*

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

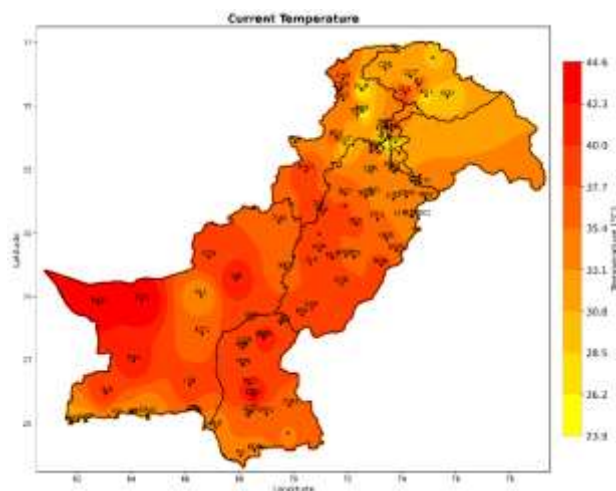
Dry weather was observed during the decade; however, weather remained partially cloudy for 11 days. Average relative humidity recorded as 67%. Mean day temperature was 36.6°C while night temperature recorded as 26.8°C with 65.1 hours bright sunshine duration. Wind speed recorded as 1.5 km/hr with mean wind direction *South South Westerly*.  
**Cotton (CRIS-682):** *Fair, Flowering.*

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

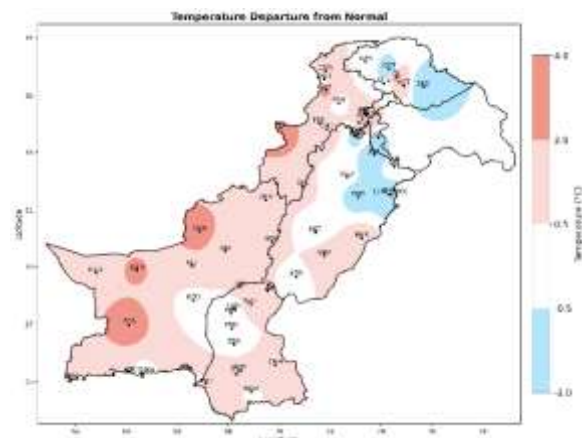
Dry weather was observed during the decade; however, weather remained partially cloudy for 08 days during the decade. Average relative humidity recorded as 58%. Mean day temperature was 39.7°C while night temperature recorded as 29.0°C. Wind speed recorded as 5.7 km/hr with mean wind direction *South Easterly*.  
**Rice:** *Good, Germination.*

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

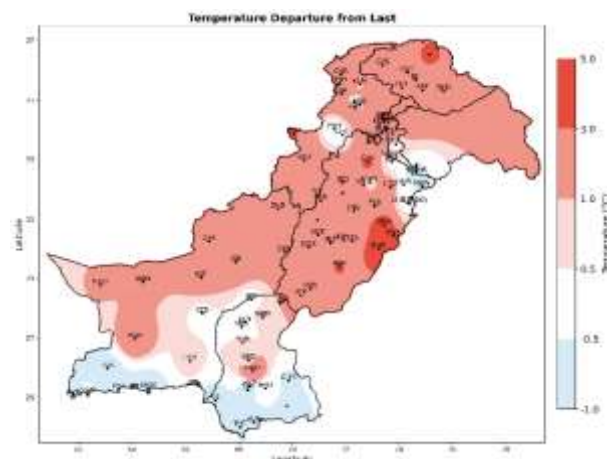
Dry weather was observed during the decade; however, weather remained partially cloudy for 09 days. Average relative humidity recorded as 31.5%. Mean day temperature was 36.3°C while night temperature recorded as 20.5°C with 102.4 hours bright sunshine duration. Wind speed recorded as 5.3 km/hr with mean wind direction *North Easterly*.



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)



## 2(b) Past Weather or Sub-Regional Agricultural Plains (21<sup>st</sup> to 31<sup>st</sup> July 2025)

### 2.6 Jhelum

Rain was reported 228.9 mm; however, weather remained partially cloudy for 10 days during the decade. Average relative humidity recorded as 81%. Mean day temperature was 33.1°C while night temperature was recorded as 25.8°C with 48.7 hours bright sunshine duration. Wind speed recorded as 1.1 km/hr with mean wind direction *variable*.

### 2.7 Lahore

Rain was reported 89.2 mm; however, weather remained partially cloudy for 10 days during the decade. Average relative humidity recorded as 70%. Mean day temperature was 34.0°C while night temperature recorded as 25.8°C with 30.1 hours bright sunshine duration. Wind speed recorded as 1.5 km/hr with mean wind direction *Variable*.

### 2.8 Sargodha

Rain was reported 70.7mm; however, weather remained partially cloudy for 11 days during the decade. Average relative humidity recorded as 69%. Mean day temperature was 36.0°C while night temperature recorded as 28.2°C with 50.4 hours bright sunshine duration. Wind speed recorded as 3.9 km/hr with mean wind direction *North Easterly*.

**Cotton:** Good, Flowering.

### 2.9 Multan

Rain was reported 24.0 mm; however, weather remained partially cloudy during the decade. Average relative humidity recorded as 60%. Mean day temperature was 38.5°C while night temperature recorded as 29.7°C with 72.5 hours bright sunshine duration. Wind speed recorded as 6.9 km/hr with mean wind direction *South Westerly*.

### 2.10 Khanpur

Dry weather was observed during the decade; weather remained partially cloudy during the decade. Average relative humidity recorded as 62%. Mean day temperature was 38.8°C while night temperature recorded as 29.3°C with 74.4 hours bright sunshine duration with mean wind direction *variable*.

### 2.11 Sakrand

Dry weather was observed during the decade; however, weather remained partially cloudy for 05 days. Average relative humidity recorded as 57%. Mean day temperature was 39.3°C while night temperature recorded as 28.5°C with 84.6 hours bright sunshine duration. Wind speed recorded as 8.0 km/hr with mean direction *Southerly*.

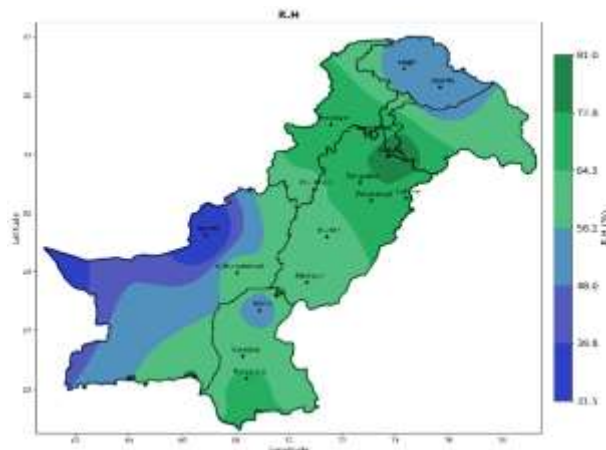


Figure.3: Relative Humidity in Percentage (%)

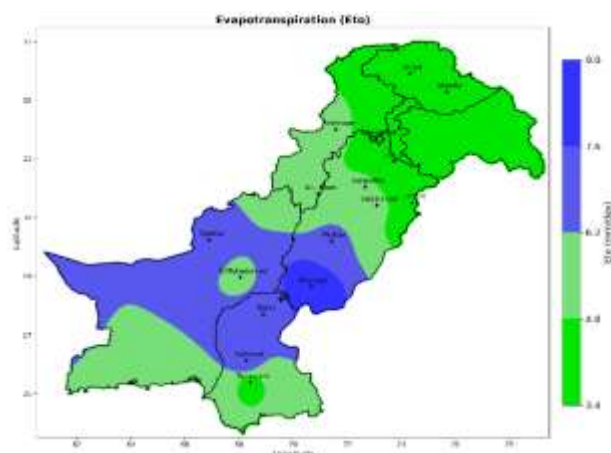


Figure.4: Reference Crop Evapotranspiration ETO (mm/day)

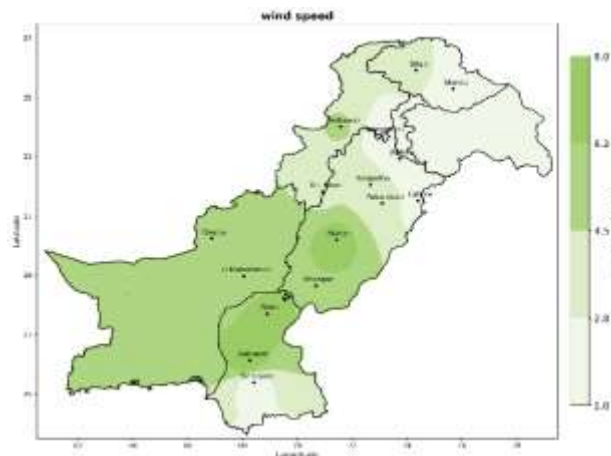


Figure 5: Wind Speed in kilometer per hour (km/h)

**2.12 Rohri**

Rain was reported 12.0 mm during the decade; however, weather remained partially cloudy for 08 days. Average relative humidity recorded as 56%. Mean day temperature was 40.5°C while night temperature recorded as 27.9°C with 90.8 hours bright sunshine duration. Wind speed recorded as 6.6 km/hr with mean wind direction as *South Easterly*.

**Cotton:** *Very Good, Budding completed.*

**2.13 D.I. Khan**

Rain was reported 10.0 mm during the decade; however, weather remained partially cloudy for 07 days. Average relative humidity recorded as 64%. Mean day temperature was 38.3°C while night temperature recorded as 28.1°C with 57.8 hours bright sunshine duration. Wind speed recorded as 4.3 km/hr with mean wind direction as *South Easterly*.

**2.14 Peshawar**

Rain was reported as 0.5 mm; however, weather remained partially cloudy during the decade. Average relative humidity recorded as 68%. Mean day temperature was 37.0°C while night temperature recorded as 29.9°C with 58.2 hours bright sunshine duration. Wind speed recorded as 4.6 km/hr with mean wind direction as *North Easterly*.

**2.15 Skardu**

Rain was reported as 4.7 mm during the decade; however, weather remained partially cloudy for 06 days. Average relative humidity recorded as 52%. Mean day temperature was 30.3°C while night temperature recorded as 17.7 °C with 52.5 hours bright sunshine duration. Wind speed recorded as 1.0 km/hr with mean wind direction as *South-south Easterly*.

**2.16 Gilgit**

Rain was reported as 15.2 mm; however, weather remained partially cloudy during the decade. Average relative humidity recorded as 55%. Mean day temperature was 33.8°C while night temperature recorded as 21.1°C with 63.8 hours bright sunshine duration. Wind speed recorded as 3.2 km/hr with mean wind direction as *variable*.

### **Eleven Days Weather Advisory for Farmers** **(21<sup>st</sup> to 31<sup>st</sup> July 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/thundershower with isolated heavy falls is expected in the province. Whereas mostly hot and humid weather with isolated rainfall is likely at a few places in southern parts during the decade.

**❖ Khyber Pakhtunkhwa:**

Rain-wind/thundershower is expected in the province. Isolated heavy falls may also occur during the decade.

**❖ Sindh:**

Mainly hot and humid weather is expected in the province. However, rain-wind/thundershower is likely at a few places in eastern/lower parts during the decade.

**❖ Baluchistan:**

Mostly hot and humid weather is expected in the province. However, rain-wind/thundershower is likely at a few places in eastern parts during the decade.

**❖ Gilgit-Baltistan:**

Rain-wind/thundershower is likely in Gilgit Baltistan, while isolated heavy falls may also occur during the decade.

**❖ Kashmir:**

Rain-wind/thundershower is likely in Kashmir, while isolated heavy falls may also occur during the decade.

**3.4 Advisory for Farmers**

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