

# Decadal Agromet Bulletin of Pakistan



## Highlights...

- ❖ Mainly hot and dry weather prevailed in most parts of the country. However, light to moderate rainfall observed in northern parts of the country.
- ❖ Highest amount of rainfall recorded was 45.1 mm at Murree during the last decade.
- ❖ Highest Maximum temperature recorded was 47.1 °C at Dadu during the last decade.
- ❖ Mainly hot and dry weather is expected in most parts of the country, while very hot in plain areas during daytime.
- ❖ However, rain-wind/thunderstorm may occur at isolated places in Gilgit-Baltistan, Upper Khyber Pakhtunkhwa, Kashmir, adjoining hilly areas and southeastern belt of Sindh.
- ❖ Farmers are advised to view the weather forecast before any field activity.

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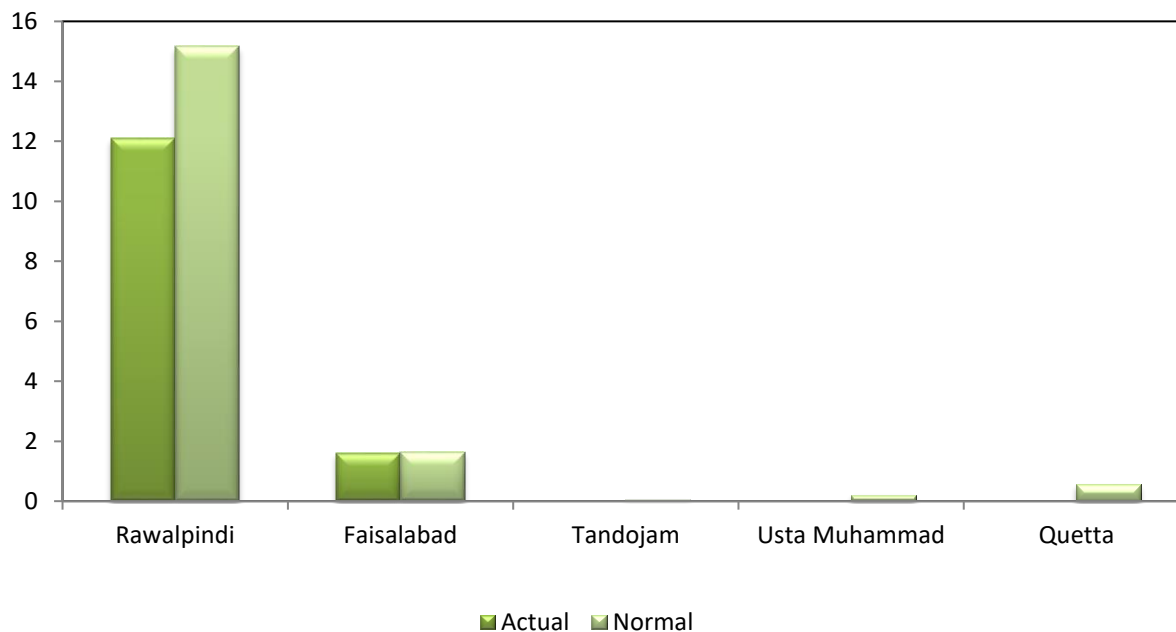
**Meteorological Conditions during 2<sup>nd</sup> Decade of May 2025**

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	15.2	12.1	-3.1	2.5	0.3	30.8	31.3	30.1	28.5	27.7	27.1	25.5	38.0	99.1	2.3	5.6
2	Faisalabad	1.6	1.6	0.0	0.9	2.1	34.6	38.0	36.7	35.2	34.4	***	30.8	38.0	108.6	3.4	6.6
3	Jhelum	8.9	0.0	-8.9	1.5	0.7	33.5	38.9	36.2	34.5	33.0	32.3	***	33.0	104.5	3.6	6.4
4	Lahore	1.6	3.8	2.2	1.2	-0.3	33.7	32.2	32.0	30.5	29.8	***	27.4	32.0	88.2	1.9	5.3
5	Sargodha	5.9	3.0	-2.9	1.1	1.8	35.2	36.7	35.1	33.1	32.1	***	***	33.0	82.6	2.4	5.5
6	Multan	0.0	0.0	0.0	-0.5	-1.0	34.3	***	***	***	***	***	***	42.0	101.8	8.3	8.2
7	Khanpur	0.2	0.0	-0.2	1.7	1.4	35.8	***	36.6	36.4	36.0	35.5	32.7	38.0	99.3	***	8.1
8	Tandojam	0.1	0.0	-0.1	-1.0	0.5	33.3	***	38.7	***	34.6	***	32.1	56.0	93.1	14.0	8.5
9	Sakrand	0.0	0.0	0.0	-1.4	0.2	34.6	45.9	39.6	37.3	36.6	36.1	***	42.0	101.8	10.0	8.9
11	Rohri	0.0	0.0	0.0	-0.2	-0.4	36.6	***	***	***	***	***	***	35.3	107.0	6.9	8.4
12	D.I Khan	4.4	0.0	-4.4	1.7	3.1	35.1	31.1	33.1	32.5	***	20.3	***	36.0	88.2	3.7	6.3
13	Peshawar	3.9	0.0	-3.9	2.3	-1.7	31.3	33.3	28.9	30.2	28.9	27.6	28.2	36.0	90.7	4.8	6.5
14	Usta M.	0.2	0.0	-0.2	-0.9	0.4	36.9	39.4	39.2	37.1	***	***	34.8	33.0	**	4.4	7.6
15	Quetta	0.6	0.0	-0.6	1.7	2.9	26.3	34.3	32.4	27.6	26.5	26.1	23.3	16.4	97.7	5.1	6.2
16	Skardu	2.8	2.1	-0.7	-0.8	0.4	18.2	***	***	***	***	***	***	33.0	80.7	3.8	4.6
17	Gilgit	2.3	1.0	-1.3	-0.3	1.9	23.3	***	***	***	***	***	***	32.4	92.1	4.3	5.5

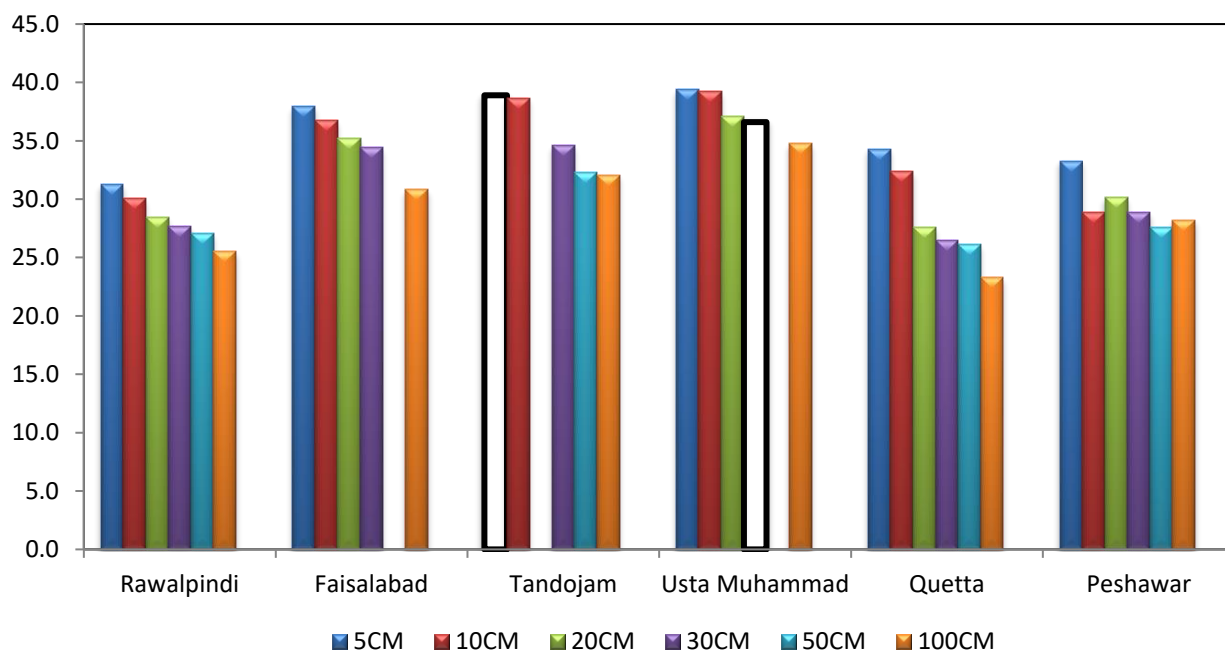
**Table-1:** Meteorological parameters for selected station of Pakistan. “Dep” in the table stands for difference from climatic normal, i.e. actual value minus normal. The climatic normally used in the Bulletin is extracted from the 2007 - 2016 observed data. ‘ETO’ stands for reference crop Evapotranspiration\*\*\*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

## Graph at RAMCs during May 2025

### Precipitation(mm) during 2<sup>nd</sup> Decade



### Soil Temperature(°C)



\* Faisalabad 50 cm and Tandojam 5cm Usta Muhammad 30 cm , 50 cm soil temperature data is not

**Past Weather (11<sup>th</sup> to 20<sup>th</sup> May 2025)**

Most parts of the country experienced hot and dry weather, while the northern part experienced light to moderate rainfall.

**1.1 Punjab**

Light to moderate rainfall was received by most areas, however, light rain was reported from the province. The decadal maximum and minimum temperatures were observed above normal by 1.20°C and 0.72°C in the province. Whereas values of relative humidity, sunshine hours, wind speed & ETo were recorded 36.29%, 97.73hrs, 3.65km/hr and 6.53mm/day respectively.

**1.2 Sindh**

Hot and dry weather prevailed in the Province. The decadal maximum temperature was observed slightly below normal by -0.86°C and minimum temperature slightly above normal by -0.11°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 44.43%, 100.63 hours, 10.30km/hr, and 8.60 mm/day respectively.

**1.3 Khyber Pakhtunkhwa**

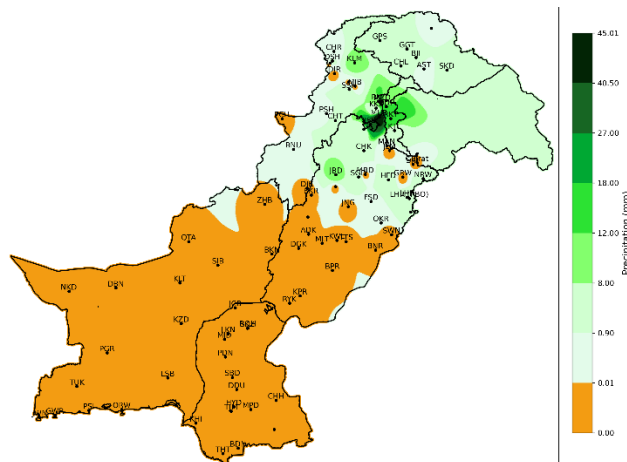
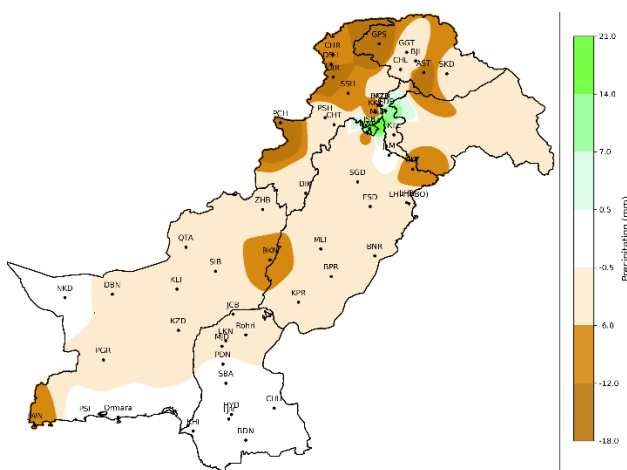
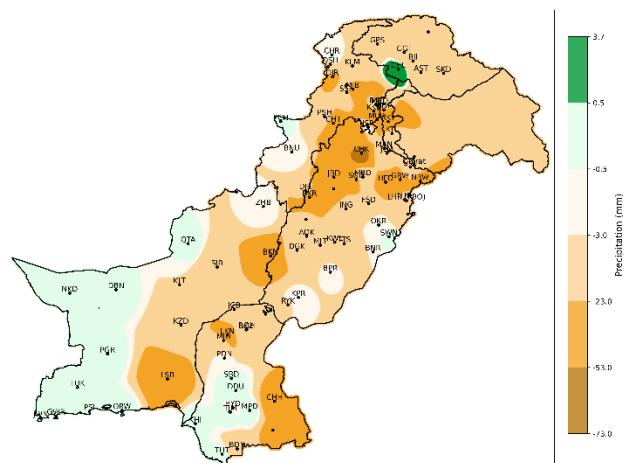
Light to moderate rainfall was reported from the province. The decadal maximum and minimum temperatures were observed above normal by 1.99°C and 0.73°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 36.0%, 89.45hrs, 4.25km/hr and 6.40 mm/day respectively.

**1.4 Baluchistan**

Hot and dry weather prevailed in the province. The decadal maximum and minimum temperatures were observed above normal by 0.41°C and 1.65°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 24.70%, 97.70hrs, 4.75km/hr and 6.90 mm/day respectively.

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

Light to moderate rainfall was reported from the province. The decadal maximum temperature was observed below normal by -0.55°C and minimum temperature above normal by 1.15°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 32.70%, 86.40hrs, 4.05km/hr and 5.05mm/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**  
(11<sup>th</sup> to 20<sup>th</sup> May 2025)

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

Rain was reported 12.1 mm during the decade; however, weather remained partially cloudy for 07 days. Average relative humidity recorded as 38%. Mean day temperature was 40.1°C while night temperature recorded as 21.5°C with 99.1 hours bright sunshine duration. Wind speed recorded as 2.3km/hr with mean wind direction *south westerly*.  
*No crop reported from the station.*

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

Rain was reported 1.6 mm during the decade; however, weather remained partially cloudy for 03 days. Average relative humidity recorded as 38%. Mean day temperature was 42.1°C while night temperature recorded as 27.1°C with 108.6 hours bright sunshine duration. Wind speed recorded as 3.4km/hr with mean wind direction South westerly.  
*Cotton: Very good, Third true leaf.*

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

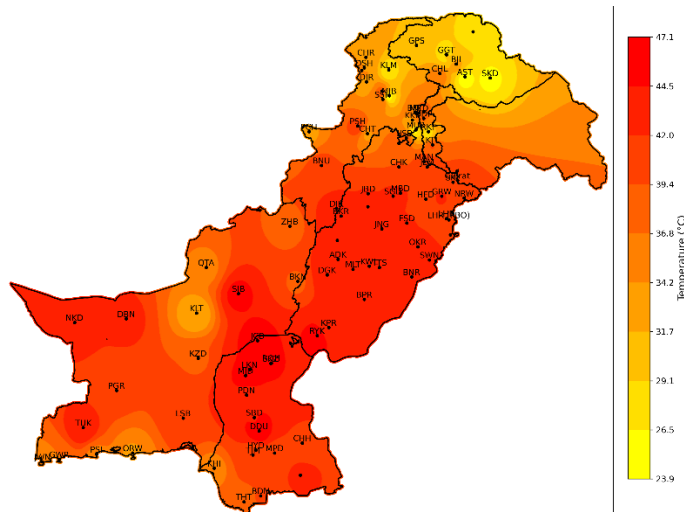
Dry weather was observed during the decade; however, weather remained partially cloudy for 02 days. Average relative humidity recorded as 56%. Mean day temperature was 40.3°C while night temperature recorded as 26.2°C with 93.1hours bright sunshine duration. Wind speed recorded as 14.0 km/hr with mean wind direction *South south westerly*.  
*Cotton (CRIS-682): Good, Germination.*

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

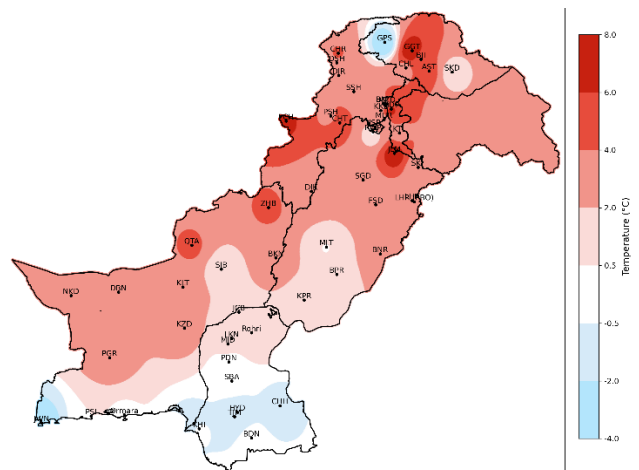
Dry weather was observed during the decade; Sky remained clear throughout the decade. Average relative humidity recorded as 33%. Mean day temperature was 46.0°C while night temperature recorded as 27.7°C. Wind speed recorded as 4.4 km/hr with mean wind direction *South Easterly*.  
*No crop reported from the station.*

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

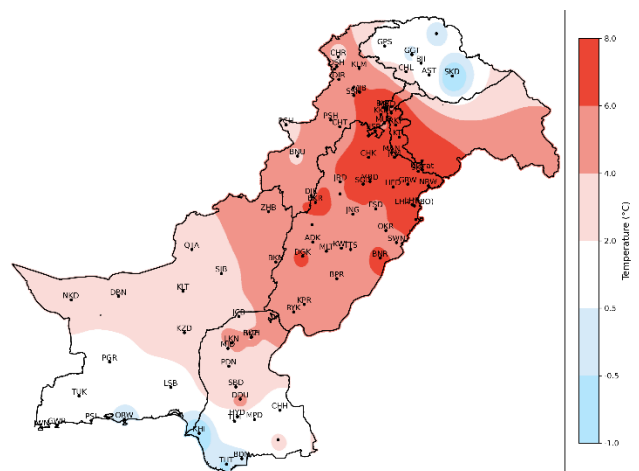
Dry weather was observed during the decade; however, weather remained partially cloudy for 06 days. Average relative humidity recorded as 16%. Mean day temperature was 34.2°C while night temperature recorded as 18.3°C with 97.7 hours bright sunshine duration. Wind speed recorded as 5.1 km/hr with mean wind direction *North Westerly*.  
*Wheat (zardana): Good, Full Maturity.*



IV. Actual min-temperature



V. Departure of min-temperature from Normal



VI. Departure of min-temperature from Previous Decade

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

## 2(b) Past Weather or Sub-Regional Agricultural Plains (11<sup>th</sup> to 20<sup>th</sup> May 2025)

### 2.6 Jhelum

Hot and dry weather was reported during the decade; weather remained partially cloudy for 02 days. Average relative humidity recorded as 33%. Mean day temperature was 41.8°C while night temperature recorded as 25.2°C with 104.5 hours bright sunshine duration. Wind speed recorded as 3.6km/hr with mean wind direction *South Easterly*

### 2.7 Lahore

Rain was reported 3.8 mm during the decade; however, weather remained partially cloudy for 07 days. Average relative humidity recorded as 32%. Mean day temperature was 41.4°C while night temperature recorded as 25.9°C with 88.2 hours bright sunshine duration. Wind speed recorded as 1.9 km/hr with mean wind direction *variable*.

### 2.8 Sargodha

Rain was reported 3.0 mm during the decade; however, weather remained partially cloudy for 01 days. Average relative humidity recorded as 33%. Mean day temperature was 42.9°C while night temperature recorded as 27.4°C with 82.6 hours bright sunshine duration. Wind speed recorded as 2.4km/hr with mean wind direction *variable*.

### 2.9 Multan

Rain was reported 0.01mm (Trace) during the decade; however, weather remained partially cloudy for 02 days. Average relative humidity recorded as 31%. Mean day temperature was 42.4°C while night temperature recorded as 29.2°C with 92.1 hours bright sunshine duration. Wind speed recorded as 8.3 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 03 days. Average relative humidity recorded as 38%. Mean day temperature was 43.8°C while night temperature recorded as 27.8°C with 99.3 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 02 day. Average relative humidity recorded as 42%. Mean day temperature was 43.1°C while night temperature recorded as 26.1°C with 101.8 hours bright sunshine duration. Wind speed recorded as 10.0 km/hr with mean direction *Southerly*.

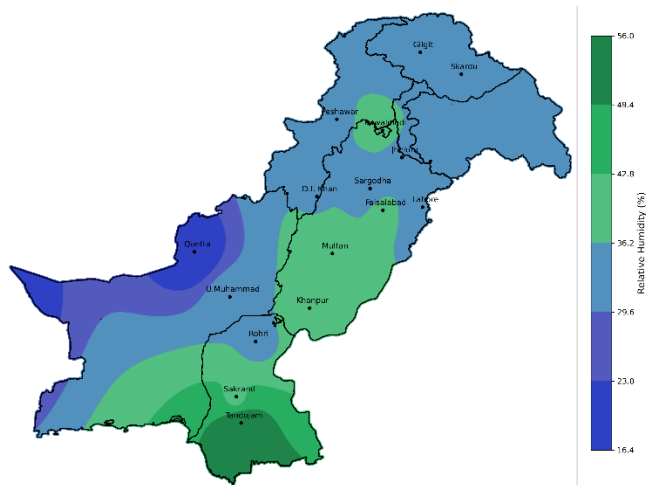


Figure.3: Relative Humidity in Percentage (%)

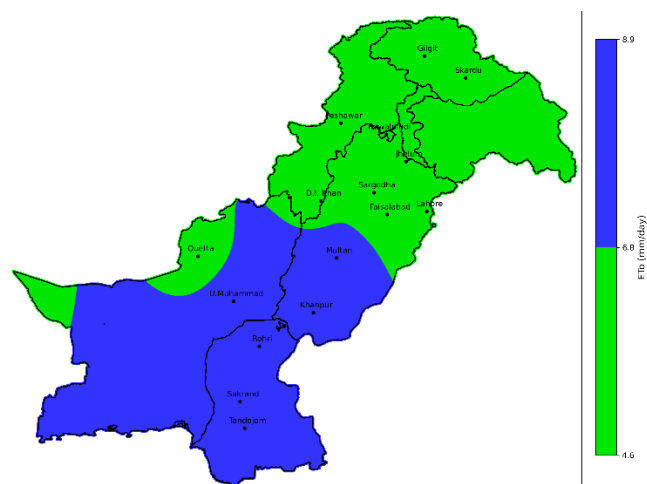


Figure.4: Reference Crop Evapotranspiration ETO (mm/day)

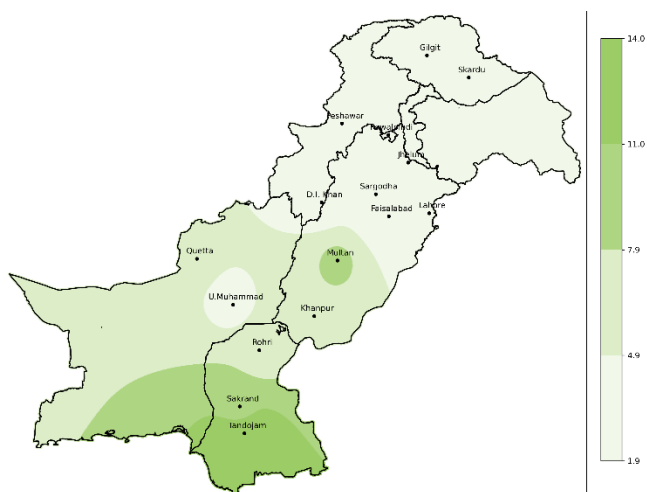


Figure 5: Wind Speed in kilometer per hour (km/h)

**2.12 Rohri**

Hot and dry weather was reported during the decade; however, weather remained partially cloudy for 02 days. Average relative humidity recorded as 35.3%. Mean day temperature was 44.7°C while night temperature recorded as 28.5°C with 107.0 hours bright sunshine duration. Wind speed recorded as 6.9km/hr with mean wind direction as *South Westerly*.

**2.13 D.I. Khan**

Hot and dry weather was reported during the decade; however, Sky remained clear throughout the decade. Average relative humidity recorded as 36%. Mean day temperature was 42.9°C while night temperature recorded as 27.3°C with 88.2 hours bright sunshine duration. Wind speed recorded as 3.7km/hr with mean wind direction as *South Easterly*.

**2.14 Peshawar**

Rain was reported 0.01mm (Trace) during the decade; however, weather remained partially cloudy for 05 days. Average relative humidity recorded as 36%. Mean day temperature was 40.6°C while night temperature recorded as 21.9°C with 90.7 hours bright sunshine duration. Wind speed recorded as 4.8km/hr with mean wind direction as *North North Westerly*.

**2.15 Skardu**

Rain was reported 2.1mm during the decade; however, weather remained partially cloudy for 02 days. Average relative humidity recorded as 33%. Mean day temperature was 26.0°C while night temperature recorded as 10.4°C with 80.7 hours bright sunshine duration. Wind speed recorded as 3.8 km/hr with mean wind direction as *South Westerly*.

**2.16 Gilgit**

Rain was reported 1.0 mm during the decade; however, weather remained partially cloudy for 10 days. Average relative humidity recorded as 32.4%. Mean day temperature was 32.8°C while night temperature recorded as 13.8°C with 92.1 hours bright sunshine duration. Wind speed recorded as 4.3km/hr with mean wind direction as *South Easterly*.

**Eleven Days Weather Advisory for Farmers  
(21<sup>st</sup> to 31<sup>st</sup> May 2025)****3.1 Temperature Forecast**

Slightly above normal mean temperature is likely over most parts of the county.

**3.2 Wind Forecast**

Occasional dust/wind storm may occur at particular places in upper half of the country.

**3.3 Rain Forecast****❖ Punjab:**

Mainly hot and dry weather is expected is expected in most parts; however, rain/wind-thunderstorm is likely in adjoining parts of Kashmir and Murree/Islamabad from 23<sup>rd</sup> May 2025.

**❖ Khyber Pakhtunkhwa**

Mainly hot and dry weather is expected is expected in most parts; however, rain/wind-thunderstorm is likely in upper half from 23<sup>rd</sup> /24<sup>th</sup> of May 2025.

**❖ Sindh:**

Mainly hot and dry weather is expected is expected in most parts; however, rain/wind-thunderstorm is likely in southeastern belt during last 2-3 days of this decade.

**❖ Baluchistan:**

Mainly hot and dry weather is expected is expected in most parts of the province.

**❖ Gilgit-Baltistan:**

Mainly dry weather is expected is expected in most parts; however, rain/wind-thunderstorm is likely from 24<sup>th</sup> of May 2025.

**❖ Kashmir:**

Mainly dry weather is expected is expected in most parts; however, rain/wind-thunderstorm is likely from 23<sup>rd</sup> of May 2025.

**3.4 Advisory for Farmers**

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