

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 411.8 mm at Okara during the last decade.
- ❖ Highest Maximum temperature recorded was 43.0 °C at Dalbandin and Nokkundi during the last decade.
- ❖ Rain-wind/thundershower with isolated heavy falls is expected in most parts of the country during 1st half of the decade. Whereas hot and humid weather may prevail during 2nd half of the decade.
- ❖ Farmers are advised to view the weather forecast before any field activity.

**NATIONAL AGROMET CENTRE (NAMC)
PAKISTAN METEOROLOGICAL DEPARTMENT
SECTOR H-8/2, ISLAMABAD**

Patron-in-Chief: *Mr. Sahibzad Khan, Director General*

Editor-in-Chief: *Ms. Asma Jawad Hashmi, Director*

Editor: *Mr. Irshad Ali, Assistant Meteorologist*

Phone: [+92-51-9250592](tel:+92-51-9250592) Email: dirnamc@yahoo.com

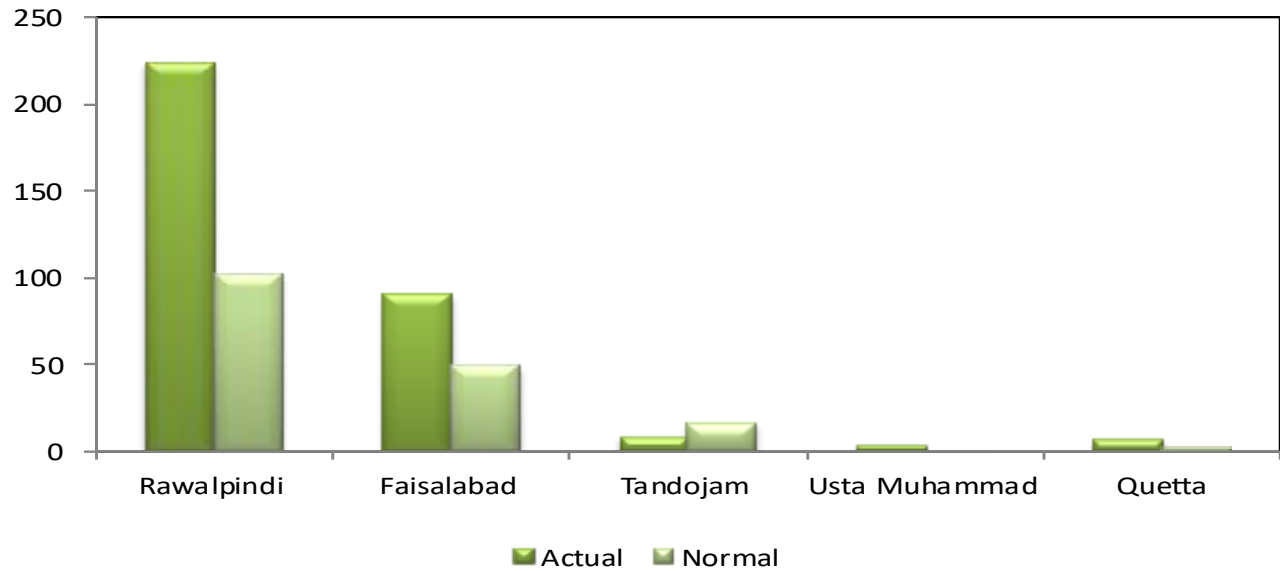
Meteorological Conditions during 2nd Decade of July 2025

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	101.8	224.0	122.2	-2.3	-0.9	28.2	30.7	30.0	29.3	29.2	29.5	29.7	83.6	53.0	2.2	4.0
2	Faisalabad	48.8	89.90	41.1	-3.9	-0.9	29.5	31.3	30.9	31.0	31.0	***	33.1	77.0	53.6	2.2	4.2
3	Jhelum	73.3	112.9	39.6	-3.4	-0.6	29.3	33.0	31.6	31.3	30.7	31.1	***	78.0	56.2	4.1	4.3
4	Lahore	72.2	116.8	44.6	-2.0	-1.6	29.5	30.4	30.5	29.5	29.3	***	29.1	75.0	35.3	1.4	3.6
5	Sargodha	39.5	67.00	27.5	-3.2	-1.8	30.4	33.3	32.7	32.5	32.4	***	***	71.0	50.9	2.6	4.2
6	Multan	13.7	34.70	21.0	-2.6	-0.6	32.5	***	***	***	***	***	***	61.0	57.6	5.8	5.3
7	Khanpur	6.1	33.5	27.4	-2.5	-1.8	32.2	***	35.5	35.8	36.2	36.3	35.3	67.0	73.2	3.0	4.5
8	Tandojam	15.8	8.0	-7.8	1.4	0.7	32.3	***	38.4	***	35.3	***	34.2	69.0	58.3	10.8	5.9
9	Sakrand	19.6	21.0	1.4	-0.7	1.9	33.4	44.1	40.3	37.6	37.5	37.7	***	61.0	57.6	6.1	5.6
11	Rohri	2.2	24.0	21.8	-10.4	-0.8	29.7	***	***	***	***	***	***	54.0	64.0	5.4	5.2
12	D.I Khan	18.1	27.60	9.5	-1.6	-0.2	31.4	37.4	37.3	37.5	***	25.7	***	65.0	70.8	4.9	5.4
13	Peshawar	14.3	7.00	-7.3	-0.7	-1.6	30.9	33.3	33.4	31.9	31.3	30.8	31.9	66.0	61.6	5.5	5.2
14	Usta M.	0.0	3.0	3.0	-3.1	-0.4	33.8	38.4	37.4	36.8	***	***	38.0	58.0	**	4.8	5.6
15	Quetta	1.9	6.7	4.8	-1.5	-1.0	27.4	36.5	35.2	32.1	31.2	30.9	28.9	38.7	63.5	6.2	5.8
16	Skardu	3.3	7.8	4.5	-3.8	-0.4	21.8	***	***	***	***	***	***	55.0	49.7	0.0	3.2
17	Gilgit	3.3	17.8	14.5	-3.2	2.1	25.8	***	***	***	***	***	***	53.9	57.6	3.9	4.6

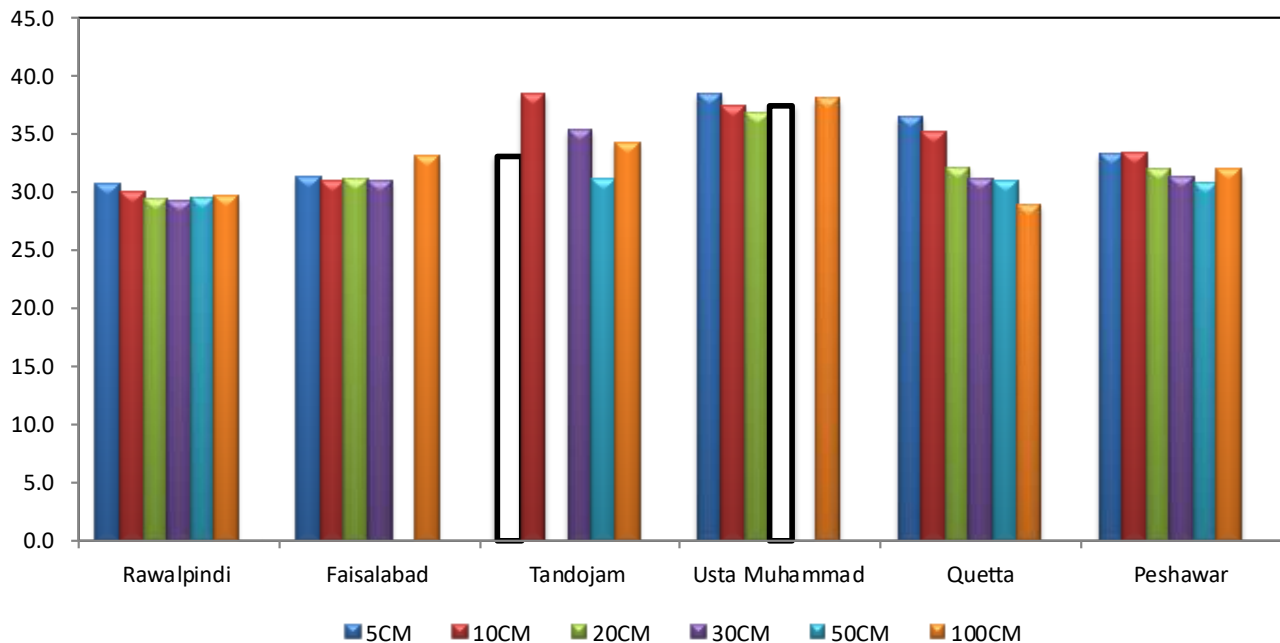
Table-1: Meteorological parameters for selected station of Pakistan. “Dep” in the table stands for difference from climatic normal, i.e. actual value minus normal. The climatic normally used in the Bulletin is extracted from the 2007 - 2016 observed data. ‘ETO’ stands for reference crop Evapotranspiration***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

Graph at RAMCs during July 2025

Precipitation(mm) during 2nd Decade



Soil Temperature(°C)



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

Past Weather (11th to 20th 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 -2.8°C and -1.2°C in the province. Whereas values of relative humidity, sunshine hours, wind speed & ETo were recorded 73.2%, 54.3hrs, 3.0km/hr and 4.3 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 below normal by -3.2°C and minimum temperature above normal by 0.6°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 61.3%, 60.0 hours, 7.4km/hr, and 5.6 mm/day respectively.

1.3 Khyber Pakhtunkhwa

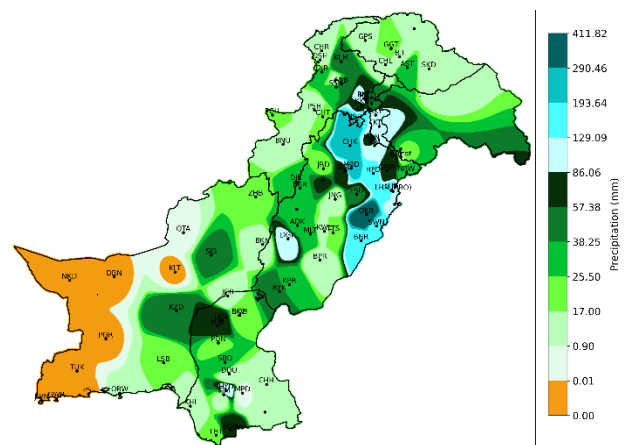
Moderate to heavy falls also occurred in upper areas, while light to moderate in lower areas of the province. The decadal maximum and minimum temperatures were observed below normal by -1.2°C and -0.9°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 65.5%, 66.2hrs, 5.2km/hr and 5.3mm/day respectively.

1.4 Baluchistan

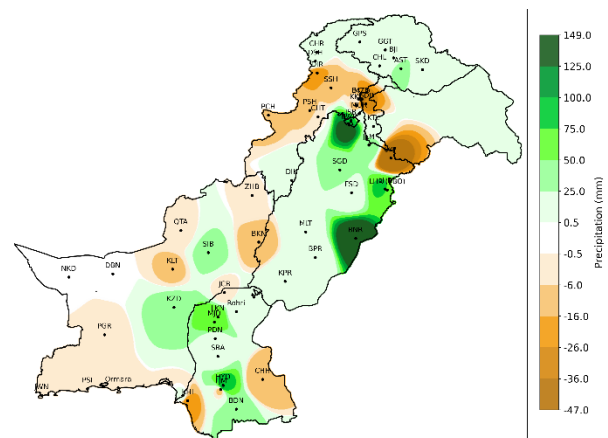
Light to moderate rainfall was reported from north/southeastern parts of the province. The decadal maximum and minimum temperatures were observed below normal by -2.3°C and -0.7°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 48.4%, 63.5hrs, 5.5km/hr and 5.7mm/day respectively.

1.5 Gilgit-Baltistan and Azad Jammu & Kashmir.

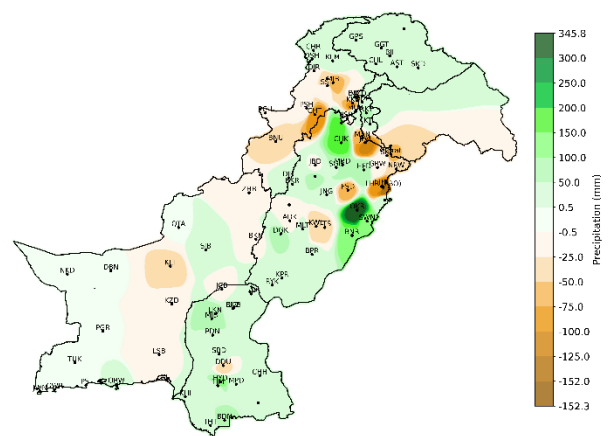
Moderate to heavy falls occurred in Kashmir, while light to moderate rainfall in Gilgit Baltistan. The decadal maximum temperature was observed below normal by -3.5°C and minimum temperature above normal by 0.8°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 54%, 53.7hrs, 2.0km/hr and 3.9mm/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**
(11th to 20th July 2025)

2.1 RAMC, Rawalpindi (Potohar region)

Rain was reported 224.0mm during the decade; however, weather remained partially cloudy for 09 days. Average relative humidity recorded as 83.6%. Mean day temperature was 33.5°C while night temperature recorded as 22.9°C with 53.0 hours bright sunshine duration. Wind speed recorded as 2.2km/hr with mean wind direction *South Easterly*.
No crop reported from the station.

2.2 RAMC, Faisalabad (Central Punjab)

Rain was reported 89.9 mm; however, weather remained partially cloudy during the decade. Average relative humidity recorded as 77%. Mean day temperature was 33.4°C while night temperature recorded as 25.6°C with 53.6 hours bright sunshine duration. Wind speed recorded as 2.2km/hr with mean wind direction *South Easterly*.
Cotton: *Very good, Flowering.*

2.3 RAMC, Tandojam (Lower Sindh)

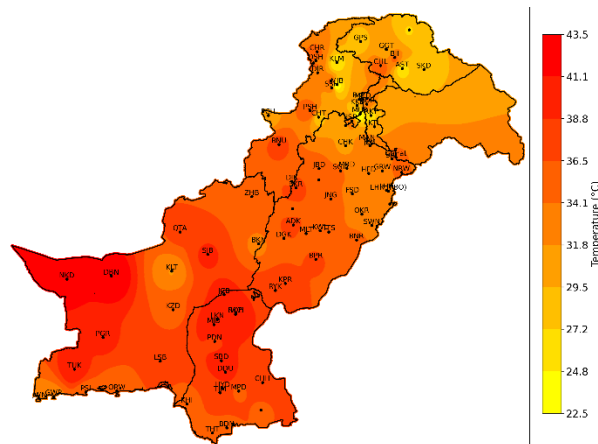
Rain was reported 8.0 mm during the decade; however, weather remained partially cloudy for 09 days. Average relative humidity recorded as 69%. Mean day temperature was 37.5°C while night temperature recorded as 27.1°C with 58.3 hours bright sunshine duration. Wind speed recorded as 10.8 km/hr with mean wind direction *South South Westerly*.
Cotton (CRIS-682): *Good, Flowering.*

2.4 RAMC, Usta Muhammad (Eastern Baluchistan)

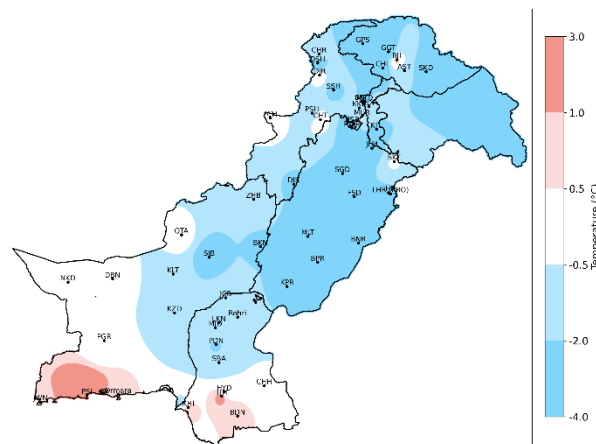
Rain was reported 3.0 mm; however, weather remained partially cloudy during the decade. Average relative humidity recorded as 58%. Mean day temperature was 39.3°C while night temperature recorded as 28.2°C. Wind speed recorded as 4.8 km/hr with mean wind direction *South Easterly*.
Rice: *Good, Germination.*

2.5 RAMC, Quetta (Northern Baluchistan)

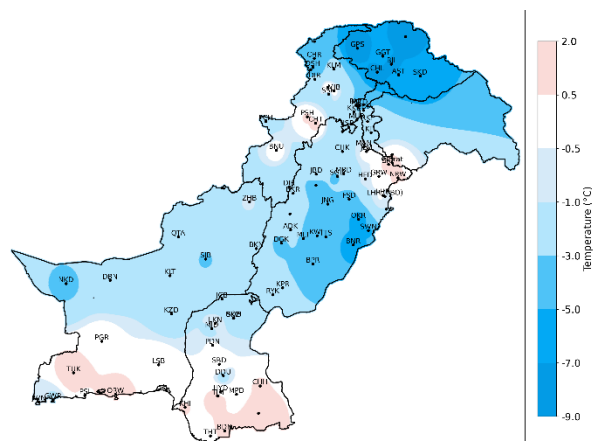
Rain was reported 6.7 mm during the decade; however, weather remained partially cloudy for 09 days. Average relative humidity recorded as 38.7%. Mean day temperature was 34.6°C while night temperature recorded as 20.1°C with 63.5 hours bright sunshine duration. Wind speed recorded as 6.2 km/hr with mean wind direction *Southerly*.



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 (11th to 20th July 2025)

2.6 Jhelum

Rain was reported 112.9 mm; however, weather remained partially cloudy during the decade. Average relative humidity recorded as 78%. Mean day temperature was 32.8°C while night temperature was recorded as 25.8°C with 56.2 hours bright sunshine duration. Wind speed recorded as 4.1 km/hr with mean wind direction *variable*.

2.7 Lahore

Rain was reported 116.8 mm; however, weather remained partially cloudy during the decade. Average relative humidity recorded as 75%. Mean day temperature was 33.5°C while night temperature recorded as 25.4°C with 35.3 hours bright sunshine duration. Wind speed recorded as 1.4 km/hr with mean wind direction *Variable*.

2.8 Sargodha

Rain was reported 67.0 mm; however, weather remained partially cloudy during the decade. Average relative humidity recorded as 71%. Mean day temperature was 34.7°C while night temperature recorded as 26.0°C with 50.9 hours bright sunshine duration. Wind speed recorded as 2.6 km/hr with mean wind direction *variable*.

Cotton: *Good, Flowering.*

2.9 Multan

Rain was reported 34.7 mm; however, weather remained partially cloudy during the decade. Average relative humidity recorded as 62%. Mean day temperature was 36.3°C while night temperature recorded as 27.2°C with 68.2 hours bright sunshine duration. Wind speed recorded as 5.8 km/hr with mean wind direction *North Easterly*.

2.10 Khanpur

Rain was reported 33.5 mm; however, weather remained partially cloudy during the decade. Average relative humidity recorded as 67%. Mean day temperature was 37.1°C while night temperature recorded as 27.2°C with 73.2 hours bright sunshine duration with mean wind direction *variable*.

2.11 Sakrand

Rain was reported 21.0 mm during the decade; however, weather remained partially cloudy for 08 days. Average relative humidity recorded as 61%. Mean day temperature was 38.2°C while night temperature recorded as 28.6°C with 57.6 hours bright sunshine duration. Wind speed recorded as 6.1 km/hr with mean direction *Southerly*.

Cotton (CRIS-682): *Good, Squaring Stage (3).*

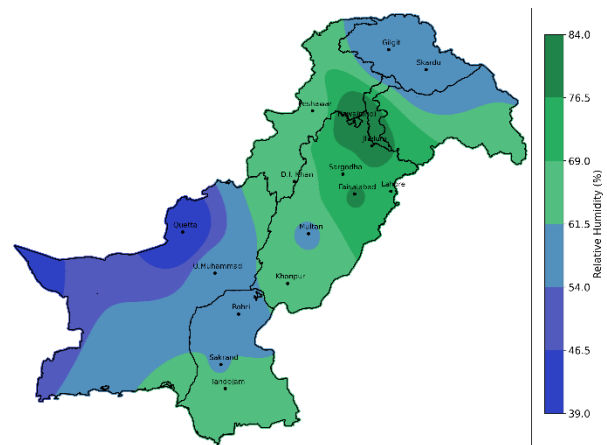


Figure.3: Relative Humidity in Percentage (%)

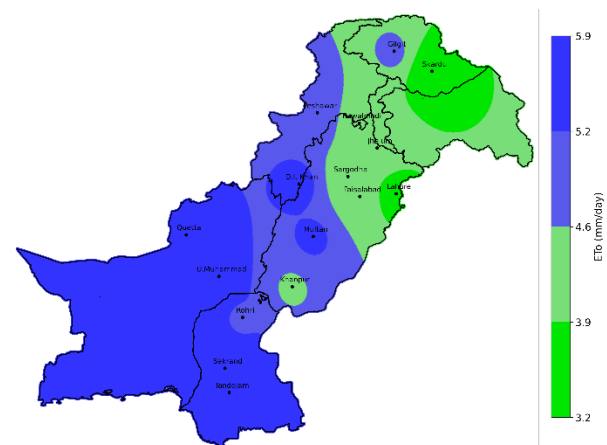


Figure.4: Reference Crop Evapotranspiration ET0 (mm/day)

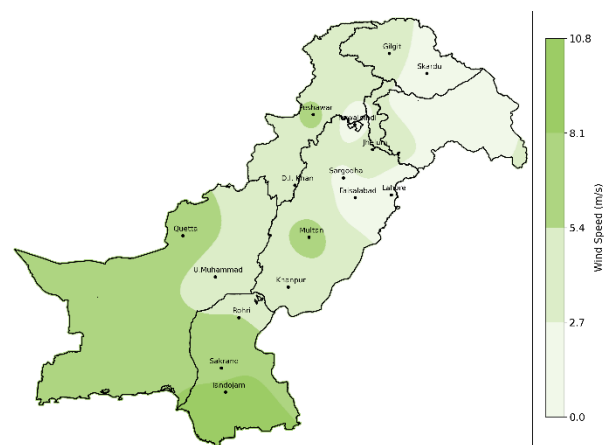


Figure 5: Wind Speed in kilometer per hour (km/h)

2.12 Rohri

Rain was reported 24.0 mm during the decade; however, weather remained partially cloudy for 08 days. Average relative humidity recorded as 54%. Mean day temperature was 30.7°C while night temperature recorded as 28.7°C with 77.2 hours bright sunshine duration. Wind speed recorded as 5.6 km/hr with mean wind direction as *South Easterly*.

Cotton: *Very Good, Budding completed.*

2.13 D.I. Khan

Rain was reported 27.6 mm during the decade; however, weather remained partially cloudy for 06 days. Average relative humidity recorded as 65%. Mean day temperature was 36.4°C while night temperature recorded as 26.3°C with 70.8 hours bright sunshine duration. Wind speed recorded as 4.89 km/hr with mean wind direction as *North Easterly*.

2.14 Peshawar

Rain was reported as 7.0 mm; however, weather remained partially cloudy during the decade. Average relative humidity recorded as 66%. Mean day temperature was 36.5°C while night temperature recorded as 25.3°C with 61.1 hours bright sunshine duration. Wind speed recorded as 5.5 km/hr with mean wind direction as *North Easterly*.

2.15 Skardu

Rain was reported as 7.8 mm during the decade; however, weather remained partially cloudy for 05 days. Average relative humidity recorded as 55%. Mean day temperature was 28.0°C while night temperature recorded as 15.6 °C with 49.7 hours bright sunshine duration. With mean wind direction as *Calm*.

2.16 Gilgit

Rain was reported as 17.8 mm; however, weather remained partially cloudy during the decade. Average relative humidity recorded as 54%. Mean day temperature was 32.8°C while night temperature recorded as 18.8°C with 57.6 hours bright sunshine duration. Wind speed recorded as 3.9 km/hr with mean wind direction as *South Easterly*.

Eleven Days Weather Advisory for Farmers **(21st to 31st 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 1st half of the decade.

❖ Sindh:

Mostly hot and humid weather is expected in the province. However, rain-wind/thundershower is likely at a few places in upper parts on 21st July and in southern 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 1st half of the decade.

❖ Kashmir:

Rain-wind/thundershower is likely in Kashmir, while isolated heavy falls may also occur during 1st half of the decade.

3.4 Advisory for Farmers

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