

# Decadal Agromet Bulletin of Pakistan



## Highlights...

- ❖ Mainly dry weather prevailed in most parts of the country. However light to moderate rain reported from KPK, Kashmir, some areas of Punjab, North Balochistan and isolated heavy falls from upper KPK and GB, whereas dry weather prevailed in Sindh .
- ❖ Highest amount of rainfall recorded was 155 mm at Chitral during the last decade.
- ❖ Lowest minimum temperature recorded was 0.2°C at Astore during the last decade.
- ❖ Dry weather is likely in most parts of the country. However, rain wind-thunderstorm is expected in Khyber Pakhtunkhwa, Gilgit-Baltistan, Kashmir, Punjab and North Balochistan during second half of the decade.
- ❖ Farmers are advised to view the weather forecast before any field activity.

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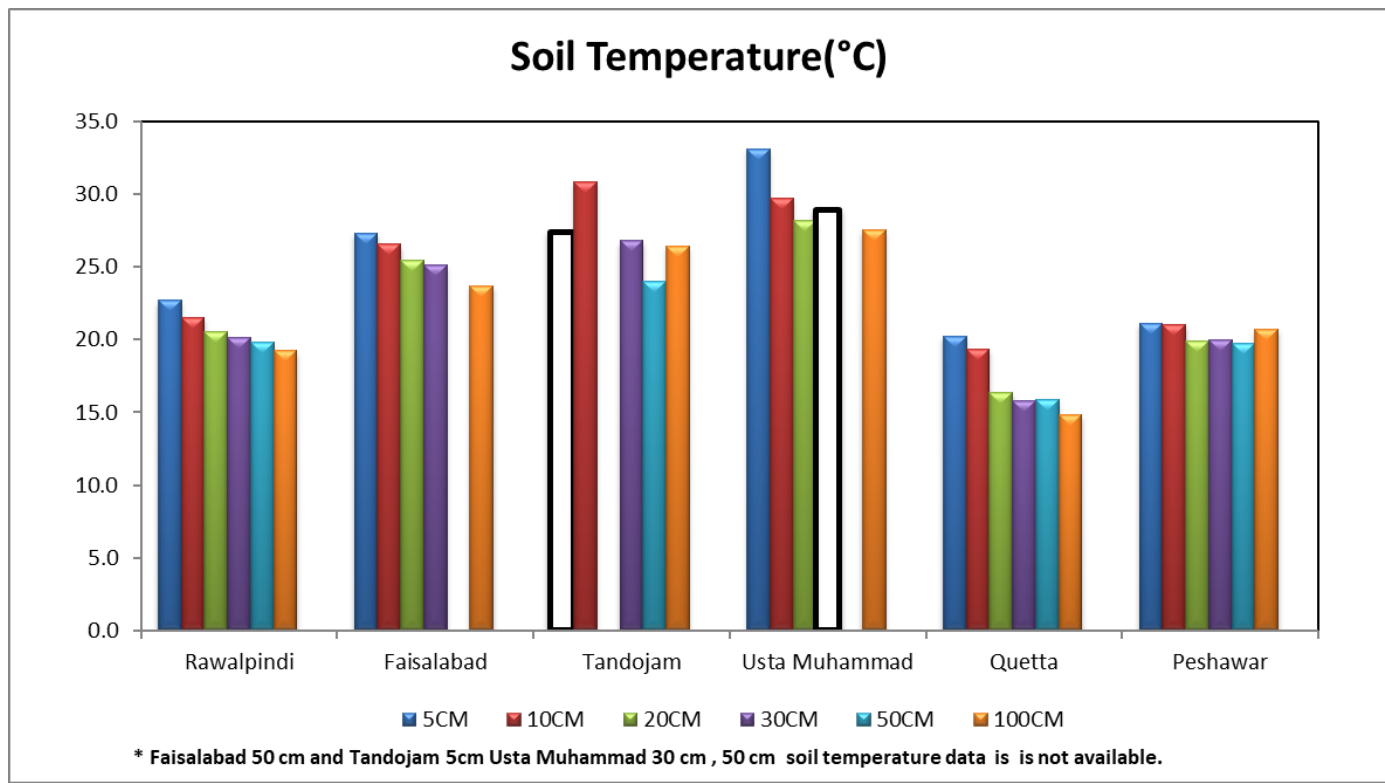
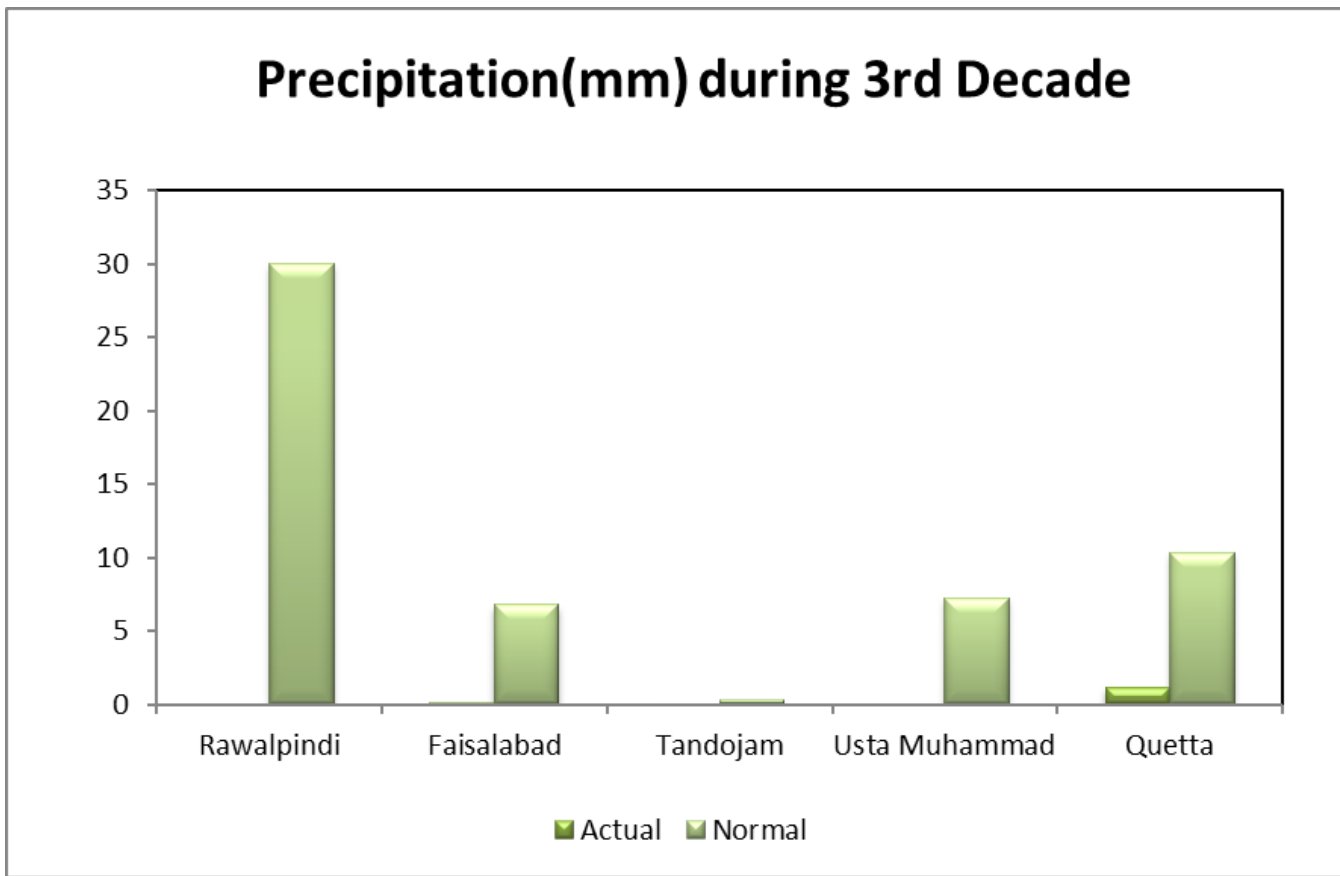
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**Meteorological Conditions during 3<sup>rd</sup> Decade of March 2025**

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	30.1	0.0	-30.1	2.7	0.5	22.0	22.7	21.5	20.5	20.1	19.8	19.2	39.8	86.3	2.3	3.6
2	Faisalabad	6.8	0.0	-6.8	7.4	-0.2	26.8	27.3	26.5	25.5	25.1	***	23.7	41.0	111.1	3.0	4.9
3	Jhelum	18.0	1.0	-17.0	2.3	-0.4	23.7	27.4	25.9	25.0	24.8	24.0	***	42.0	98.6	7.2	5.5
4	Lahore	18.6	0.0	-18.6	1.9	-1.5	24.6	21.4	21.2	20.7	20.4	***	20.5	34.0	104.3	1.8	3.9
5	Sargodha	10.8	0.0	-10.8	-7.4	0.1	20.1	28.3	26.7	25.0	24.6	***	***	39.0	90.6	3.7	3.8
6	Multan	13.2	0.0	-13.2	0.9	0.6	25.2	***	***	***	***	***	***	38.0	117.0	4.6	5.3
7	Khanpur	5.2	0.0	-5.2	1.6	-0.5	25.9	***	24.7	24.9	24.8	24.6	23.6	35.0	110.4	**	6.4
8	Tandojam	0.3	0.0	-0.3	-1.3	-2.2	25.4	***	30.8	***	26.8	***	26.4	48.0	102.8	5.3	5.6
9	Sakrand	1.1	0.0	-1.1	3.9	0.5	27.0	38.6	31.6	28.9	28.9	28.6	***	38.0	117.0	4.1	5.5
11	Rohri	6.3	0.0	-6.3	0.8	-1.1	27.4	***	***	***	***	***	***	26.2	112.8	3.6	5.2
12	D.I Khan	9.2	1.0	-8.2	2.6	0.9	24.5	25.2	24.2	23.9	***	12.6	***	41.0	90.8	4.6	4.8
13	Peshawar	26.3	9.4	-16.9	2.0	-1.7	21.2	21.1	21.0	19.9	20.0	19.8	20.7	48.0	81.7	5.8	4.4
14	Usta M.	7.3	0.0	-7.3	-0.9	-1.4	25.1	33.1	29.7	28.1	***	***	27.5	27.0	0.0	2.9	4.6
15	Quetta	10.4	1.2	-9.2	-0.4	0.8	15.0	20.2	19.4	16.4	15.8	47.6	14.8	26.1	100.6	6.1	4.5
16	Skardu	5.6	8.7	3.1	-2.3	-1.2	8.6	***	***	***	***	***	***	42.0	54.9	1.5	2.2
17	Gilgit	2.0	18.9	16.9	-0.9	-0.6	13.8	***	***	***	***	***	***	34.3	63.6	4.7	3.4

**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 March 2025



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

Mainly dry weather prevailed in most parts of the country. However, light to moderate rain reported from KPK, Kashmir, some areas of Punjab, North Balochistan and isolated heavy falls from upper KPK and GB, whereas dry weather prevailed in Sindh.

**Punjab**

Mainly dry weather prevailed over most areas, however, light rain was reported from the province. The decadal maximum temperature was observed below normal by 0.1 and minimum temperature was observed above normal by 1.2°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded 51%, 76.8hrs, 2.7km/hr and 3.6mm/day respectively.

**1.1 Sindh**

Dry weather prevailed. The decadal maximum temperature was observed above normal by 1.4 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 38%, 102.6hrs, 3.8km/hr and 4.8mm/day respectively.

**1.2 Khyber Pakhtunkhwa**

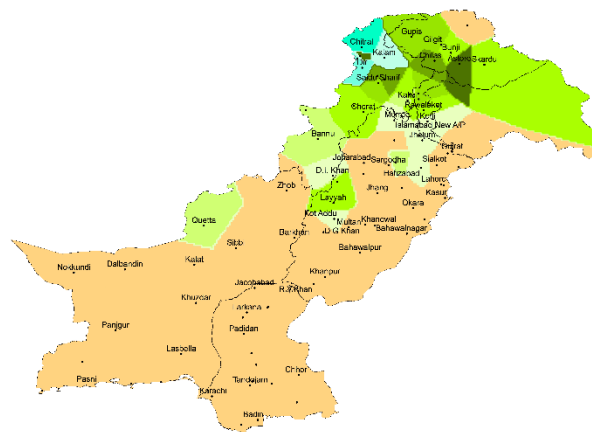
Light to moderate rain, isolated heavy falls was reported from upper parts of the province. The decadal maximum temperature was observed above normal by 2.3 and minimum temperature was observed below normal by 0.4°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 45%, 86.3hrs, 5.2km/hr and 4.6mm/day respectively.

**1.3 Baluchistan**

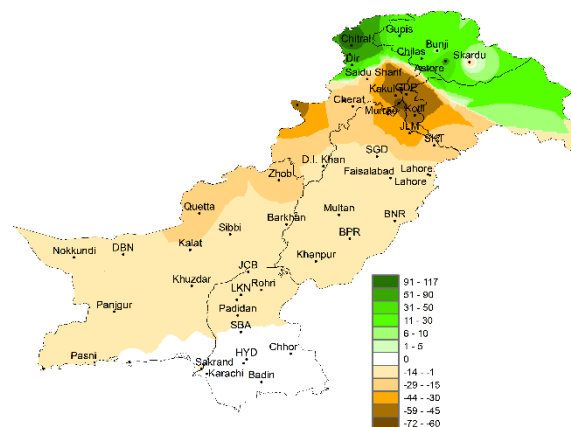
Light rain was reported from center parts of the province. The decadal maximum was observed below normal by 0.7°C and minimum temperature was below normal by 0.3°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 27%, 50.3hrs, 4.5km/hr and 4.6mm/day respectively.

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

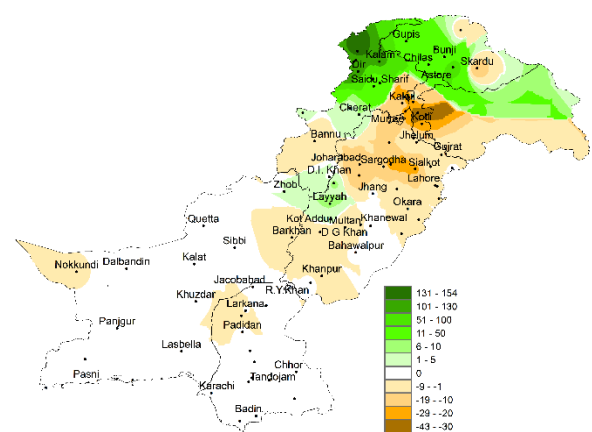
Light to moderate rain, isolated heavy falls was reported from Gilgit Baltistan and Kashmir. The decadal maximum was observed below normal by 1.6°C and minimum temperature was below normal by 0.9°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 38%, 59.3hrs, 3.1km/hr and 2.8mm/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> March 2025)**

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

Dry weather was observed during the decade; however, weather remained partially cloudy for 08 days. Average relative humidity recorded as 40%. Mean day temperature was 30.7°C while night temperature recorded as 13.2°C with 86.3 hours bright sunshine duration. Wind speed recorded as 2.3km/hr with mean wind direction *south westerly*.

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

Rain was reported 0.01 mm during the decade; however, weather remained partially cloudy for 06 days during the decade. Average relative humidity recorded as 41%. Mean day temperature was 38.2°C while night temperature recorded as 15.4°C with 111.1 hours bright sunshine duration. Wind speed recorded as 3.0km/hr with mean wind direction westerly.  
**Wheat:** *Very good, milk maturity completed.*

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

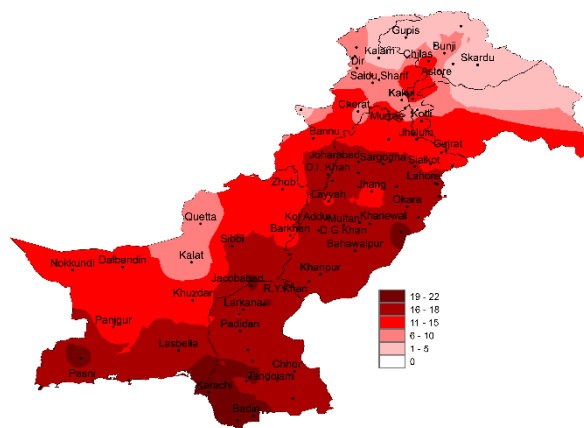
Dry weather was observed during the decade. however, weather remained partially cloudy for 02 days. Average relative humidity recorded as 48%. Mean day temperature was 35.3°C while night temperature recorded as 15.5°C with 102.8hours bright sunshine duration. Wind speed recorded as 5.3km/hr with mean wind direction *north easterly*.  
**Wheat:** *Good, Harvested.*

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

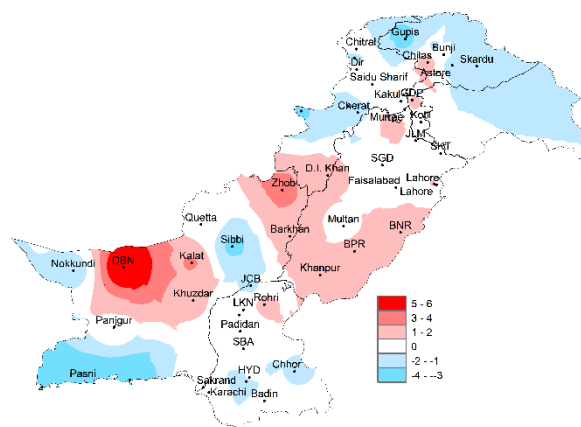
Dry weather was observed during the decade. However, weather remained partially cloudy for 01 days. Average relative humidity recorded as 27%. Mean day temperature was 34.6°C while night temperature recorded as 15.6°C. Wind speed recorded as 2.9km/hr with mean wind direction *south easterly*.  
**Wheat:** *Good, milk maturity.*

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

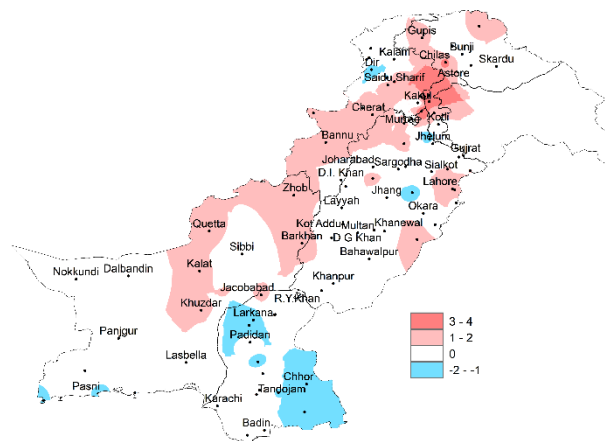
Light rain was reported 1.2 mm during the decade; however, weather remained partially cloudy for 05 days during the decade. Average relative humidity recorded as 26.1%. Mean day temperature was 21.9°C while night temperature recorded as 8.0°C with 100.6 hours bright sunshine duration. Wind speed recorded as 6.1 km/hr with mean wind direction *north westerly*.  
**Wheat:** *Good, stem extension.*



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 (21<sup>st</sup> to 31<sup>st</sup> March 2025)**

**2.6 Jhelum**

Rain was reported 1.0 mm during the decade; weather remained partially cloudy for 05 days. Average relative humidity recorded as 42%. Mean day temperature was 32.2°C while night temperature recorded as 15.1°C with 98.6 hours bright sunshine duration. Wind speed recorded as 7.2km/hr with mean wind direction *northerly*.

**2.7 Lahore**

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 31.9°C while night temperature recorded as 17.2°C with 104.3 hours bright sunshine duration. Wind speed recorded as 1.8 km/hr with mean wind direction *westerly*.

**2.8 Sargodha**

Dry weather was observed during the decade. However, weather remained partially cloudy for 06 days. Average relative humidity recorded as 39%. Mean day temperature was 32.6°C while night temperature recorded as 16.6°C with 90.6 hours bright sunshine duration. Wind speed recorded as 3.7km/hr with mean wind direction *variable*.

**2.9 Multan**

Dry weather was observed during the decade. However, weather remained partially cloudy for 05 days. Average relative humidity recorded as 35%. Mean day temperature was 32.9°C while night temperature recorded as 17.0°C with 92.0 hours bright sunshine duration. Wind speed recorded as 4.6 km/hr with mean wind direction *south westerly*.

**2.10 Khanpur**

Dry weather was observed during the decade; However, weather remained cloudy for 05 days. Average relative humidity recorded as 35%. Mean day temperature was 35.4°C while night temperature recorded as 16.3°C with 110.4 hours bright sunshine duration. Mean prevailing wind direction was *south westerly*.

**2.11 Sakrand**

Dry weather was observed during the decade; however, weather remained partially cloudy for 02 days. Average relative humidity recorded as 38%. Mean day temperature was 36.5°C while night temperature recorded as 17.5°C with 117.0 hours bright sunshine duration. Wind speed recorded as 4.1 km/hr with mean direction *north westerly*.

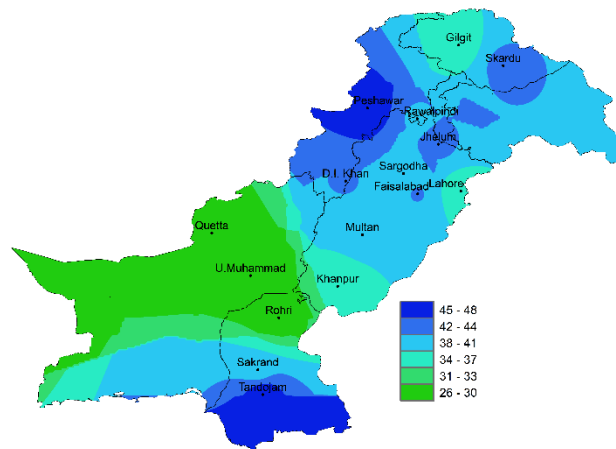


Figure.3: Relative Humidity in Percentage (%)

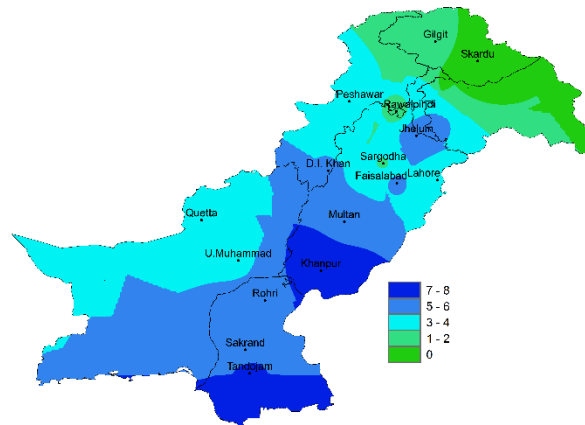


Figure.4: Reference Crop Evapotranspiration ETO (mm/day)

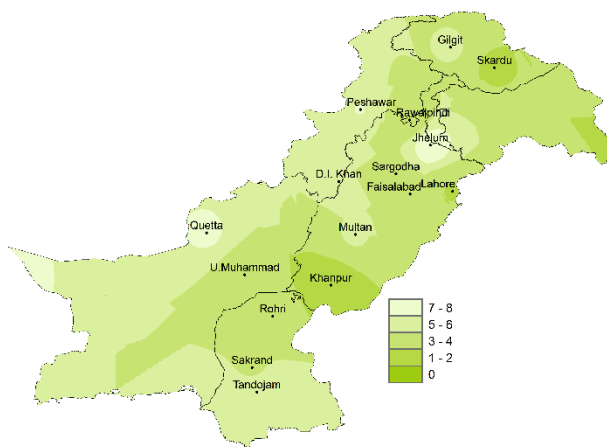


Figure 5: Wind Speed in kilometer per hour (km/h)

**2.12 Rohri**

Dry weather was observed during the decade; However, weather remained partially cloudy for 03 days. Average relative humidity recorded as 26.2%. Mean day temperature was 35.9°C while night temperature recorded as 18.9°C with 112.8 hours bright sunshine duration. Wind speed recorded as 3.6km/hr with mean wind direction as *north easterly*.

**Wheat:** *Very good, milk maturity.*

**2.13 D.I. Khan**

Rain was reported 1.0 mm during the decade; However, weather remained partially cloudy for 03 days. Average relative humidity recorded as 41%. Mean day temperature was 32.6°C while night temperature recorded as 16.4°C with 90.8 hours bright sunshine duration. Wind speed recorded as 4.6km/hr with mean wind direction *north easterly*.

**2.14 Peshawar**

Rain was reported 9.4 mm during the decade; However, weather remained partially cloudy for 08 days. Average relative humidity recorded as 48%. Mean day temperature was 29.5°C while night temperature recorded as 12.9°C with 81.7 hours bright sunshine duration. Wind speed recorded as 5.8km/hr with mean wind direction as *north westerly*.

**2.15 Skardu**

Rain was reported 8.7 mm during the decade; However, weather remained partially cloudy for 05 days. Average relative humidity recorded as 42%. Mean day temperature was 14.6°C while night temperature recorded as 2.5°C with 54.9 hours bright sunshine duration. Wind speed recorded as 1.5km/hr with mean wind direction as *south westerly*.

**2.16 Gilgit**

Rain was reported 18.9 mm was observed during the decade; However, weather remained partially cloudy for 11 days. Average relative humidity recorded as 34%. Mean day temperature was 21.2°C while night temperature recorded as 6.3°C with 63.6 hours bright sunshine duration. Wind speed recorded as 4.7km/hr with mean wind direction as *south westerly*.

**Ten Days Weather Advisory for Farmers**  
**(01<sup>st</sup> to 10<sup>th</sup> 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:**

Mainly dry weather is expected in most parts, while rain/wind-thunderstorm is likely in the province from 08<sup>th</sup> to 10<sup>th</sup> during of the decade.

**Khyber Pakhtunkhwa:**

Mainly dry weather is expected, while rain/wind-thunderstorm is likely in the province from 08<sup>th</sup> to 10<sup>th</sup> during of the decade.

❖ **Sindh:**

Mainly dry weather is expected in most parts of province during the decade.

❖ **Baluchistan:**

Mainly dry weather is expected in most parts, while rain/wind-thunderstorm is likely in north parts of the province from 08<sup>th</sup> to 10<sup>th</sup> during of the decade.

❖ **Gilgit-Baltistan:**

Mainly dry weather is expected, while rain/wind-thunderstorm is likely in Gilgit Baltistan from 07<sup>th</sup> to 10<sup>th</sup> during during the decade.

❖ **Kashmir:**

Mainly dry weather is expected, while rain/wind-thunderstorm is likely in Kashmir from 08<sup>th</sup> to 10<sup>th</sup> during the decade.

**3.4 Advisory for Farmers**

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