

# Decadal Agromet Bulletin of Pakistan



## Highlights...

- ❖ Mainly cold and dry weather prevailed in most parts of the country, while very cold in hilly areas. However, light to moderate rain with snowfall over the hills occurred in most parts of the country except Sindh. Light to moderate fog persisted in plain areas of Punjab and upper Sindh.
- ❖ Highest amount of rainfall recorded was 18.0 mm at Dir during the last decade.
- ❖ Lowest minimum temperature recorded was -7.7 °C at Gupis during the last decade.
- ❖ Cold and dry weather is likely in most parts of the country, while very cold in hilly areas. However, rain wind-thunderstorm with snowfall over the hills is expected in west Balochistan, upper Khyber Pakhtunkhwa, Upper Punjab, Gilgit-Baltistan and Kashmir.
- ❖ 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*

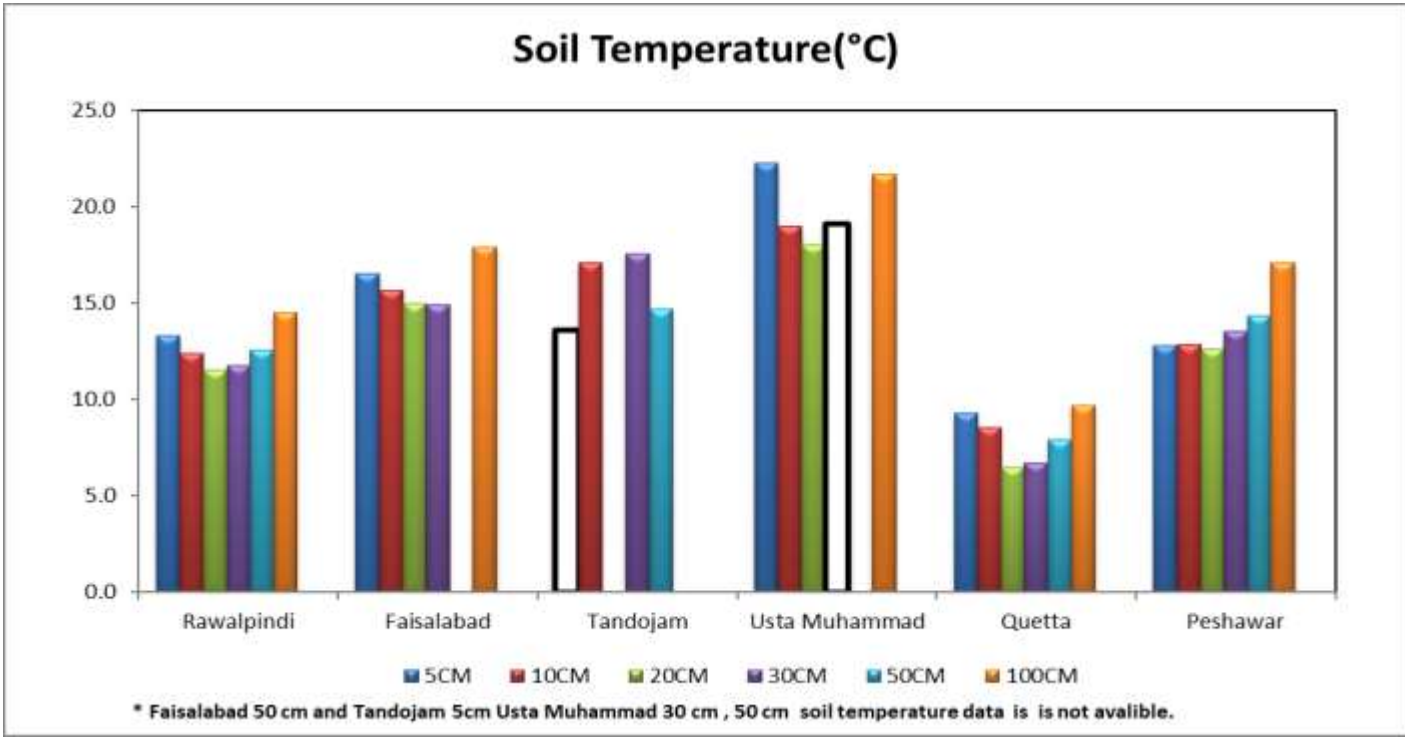
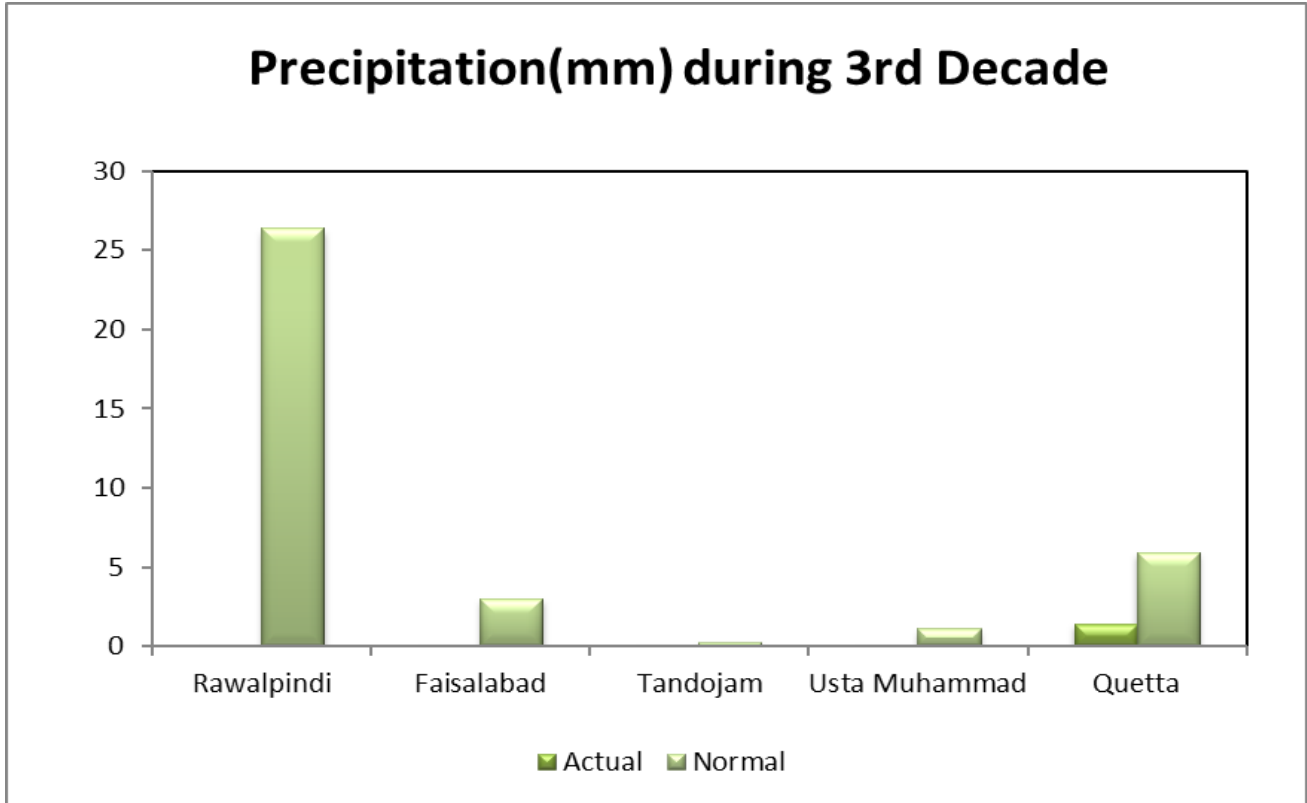
Phone: [+92-51-9250592](tel:+92-51-9250592) Email: [dirnamc@yahoo.com](mailto:dirnamc@yahoo.com)

**Meteorological Conditions during 3<sup>rd</sup> Decade of January 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	26.4	0.0	-26.4	5.7	-0.8	13.6	13.3	12.4	11.5	11.7	12.6	14.5	51.3	81.3	1.3	1.5
2	Faisalabad	3.0	0.0	-3.0	4.8	0.9	15.2	16.5	15.7	15.0	14.9	***	17.9	49.0	85.6	1.9	1.8
3	Jhelum	19.2	12.2	-7.0	3.1	-0.1	14.5	13.6	15.5	13.3	13.7	14.7	***	51.0	84.2	2.3	1.8
4	Lahore	8.2	0.0	-8.2	4.3	0.7	16.3	14.0	14.3	14.1	14.3	***	17.5	49.0	69.8	0.4	1.3
5	Sargodha	10.8	0.0	-10.8	4.6	1.1	15.7	16.7	15.9	16.6	16.4	***	***	47.0	65.1	2.4	1.9
6	Multan	1.8	0.0	-1.8	3.1	2.6	16.2	***	***	***	***	***	***	48.0	102.2	2.6	2.2
7	Khanpur	0.3	0.0	-0.3	3.1	0.4	16.2	***	14.6	15.2	15.5	16.0	17.9	54.0	83.3	1.0	1.8
8	Tandojam	0.3	0.0	-0.3	1.4	0.4	17.6	***	17.1	***	17.6	***	***	52.0	91.1	2.7	2.6
9	Sakrand	0.0	0.0	0.0	6.9	1.5	16.9	23.7	18.9	18.1	19.1	20.2	***	48.0	102.2	3.1	2.7
11	Rohri	0.2	0.0	-0.2	2.3	-0.2	17.7	***	***	***	***	***	***	43.4	103.0	3.3	2.7
12	D.I Khan	6.6	0.0	-6.6	5.4	3.0	16.8	15.3	14.7	15.0	***	5.6	***	44.0	82.4	3.2	2.3
13	Peshawar	18.4	0.0	-18.4	5.4	-0.6	14.5	12.8	12.8	12.6	13.5	14.3	17.1	39.0	80.0	4.0	2.3
14	Usta M.	1.1	0.0	-1.1	-0.9	-4.2	14.6	22.2	19.0	18.0	***	***	21.7	50.0	**	1.4	2.0
15	Quetta	5.9	1.4	-4.5	0.8	2.0	6.4	9.3	8.5	6.5	6.7	7.9	9.7	44.7	95.6	5.0	2.0
16	Skardu	8.5	0.1	-8.4	2.1	0.9	-0.3	***	***	***	***	***	***	49.0	52.5	0.6	0.8
17	Gilgit	2.5	0.0	-2.5	2.4	0.4	5.8	***	***	***	***	***	***	42.8	45.1	4.0	1.5

**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 January 2025



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

Mainly cold and dry weather prevailed in most parts of the country, while very cold in hilly areas. However, light to moderate rain with snowfall over the hills occurred in most parts of the country except Sindh. Light to moderate fog persisted in plain areas of Punjab and upper Sindh.

**1.1 Punjab**

Mainly cold and dry weather prevailed over most areas, however, light rain was reported from the province. Light moderate Fog also persisted in plain areas. The decadal maximum and minimum temperatures were observed above normal by 4.1°C and 0.7°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded 49.9%, 81.6hrs, 1.7km/hr and 1.8mm/day respectively.

**1.2 Sindh**

Cold and dry weather prevailed, fog also persisted in upper areas of the province. The decadal maximum and minimum temperatures were observed above normal by 3.5°C and 0.6°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 47.8%, 98.8hrs, 3.0km/hr and 2.7mm/day respectively.

**1.3 Khyber Pakhtunkhwa**

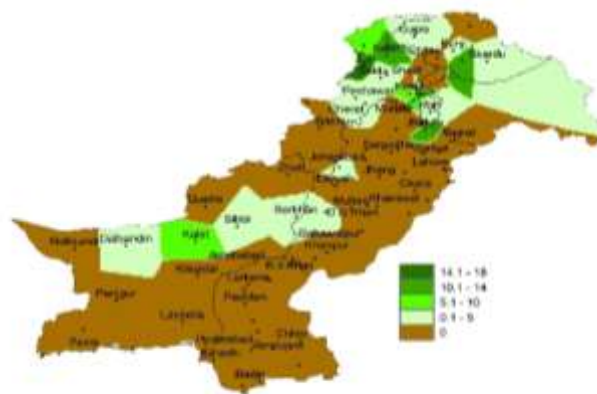
Light to moderate rain (snow over hills) was reported from upper parts of the province. The decadal maximum and minimum temperatures were observed above normal by 5.4°C and 1.2°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 41.5%, 81.2hrs, 3.6km/hr and 2.3mm/day respectively.

**1.4 Baluchistan**

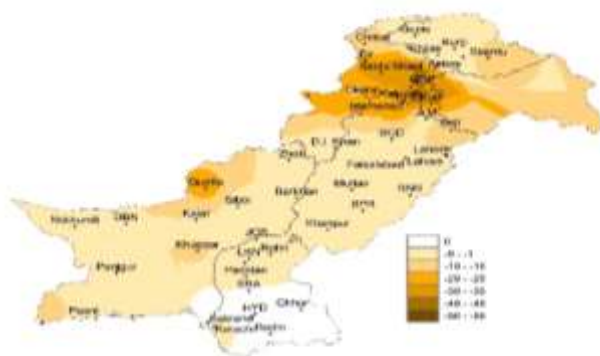
Light rain (snow over hills) was reported from center parts of the province. The decadal maximum temperature was observed normal by 0.0°C and minimum temperature below normal by -1.1°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 47.4%, 95.6hrs, 3.2km/hr and 2.0mm/day respectively.

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

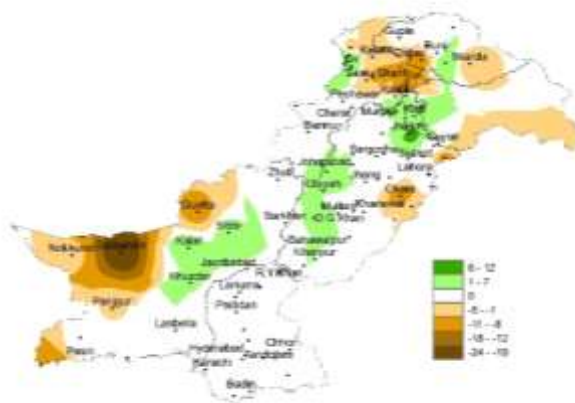
Very cold weather with light to moderate rain (snow over hills) was reported from Gilgit Baltistan and Kashmir. The decadal maximum and minimum temperatures were observed above normal by 2.2°C and 0.6°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 46%, 48.8hrs, 2.3km/hr and 1.2mm/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> January 2025)**

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

Cold and dry weather was observed during the decade; however, weather remained partially cloudy for 06 days. Average relative humidity recorded as 51.3%. Mean day temperature was 24.4°C while night temperature recorded as 2.7°C with 81.3 hours bright sunshine duration. Wind speed recorded as 1.3km/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 05 days. Average relative humidity recorded as 49%. Mean day temperature was 23.3°C while night temperature recorded as 5.7°C with 85.6 hours bright sunshine duration. Wind speed recorded as 1.9km/hr with mean wind direction westerly.

**Wheat:** *Very good, shooting.*

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

Cold and dry weather with clear skies was observed during the decade. Average relative humidity recorded as 52%. Mean day temperature was 26.5°C while night temperature recorded as 8.7°C with 91.1hours bright sunshine duration. Wind speed recorded as 2.7km/hr with mean wind direction *north-north westerly*.

**Wheat:** *Good, Heading.*

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

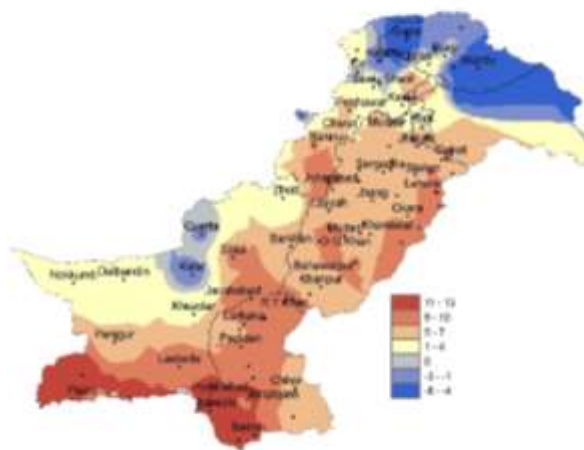
Cold and dry weather was observed during the decade; however, weather remained partially cloudy for 02 days. Average relative humidity recorded as 50%. Mean day temperature was 25.3°C while night temperature recorded as 3.8°C. Wind speed recorded as 1.3 km/hr with mean wind direction *north westerly*.

**Wheat:** *Good, emergent.*

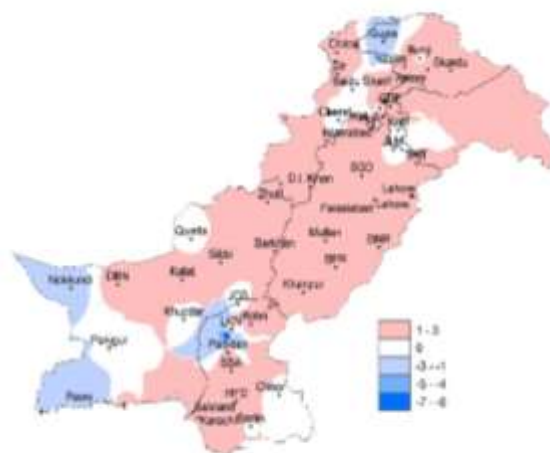
**2.5 RAMC, Quetta (Northern Baluchistan)**

Rain was reported 1.4 mm during the decade; however, weather remained partially cloudy for 07 days. Average relative humidity recorded as 44.7%. Mean day temperature was 11.9°C while night temperature recorded as 0.9°C with 65.6 hours bright sunshine duration. Wind speed recorded as 5.0 km/hr with mean wind direction *north westerly*.

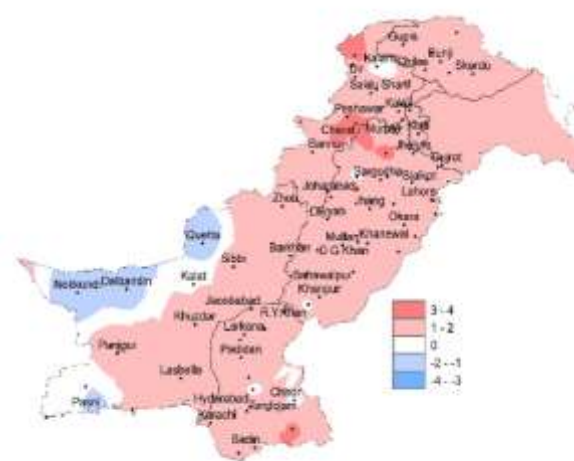
**Wheat:** *Good, Tillering.*



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> January 2025)**

**2.6 Jhelum**

Rain was reported 12.2 mm during the decade; weather remained partially cloudy for 06 days. Average relative humidity recorded as 51%. Mean day temperature was 23.3°C while night temperature recorded as 5.7°C with 84.2 hours bright sunshine duration. Wind speed recorded as 2.3km/hr with mean wind direction variable.

**2.7 Lahore**

Cold and dry weather was observed during the decade; however, weather remained partially cloudy for 03 days. Average relative humidity recorded as 49%. Mean day temperature was 23.6°C while night temperature recorded as 9.0°C with 69.8 hours bright sunshine duration. Wind speed recorded as 0.4 km/hr with mean wind direction *westerly*.

**2.8 Sargodha**

Cold and dry weather was observed during the decade; however, weather remained partially cloudy for 04 days. Average relative humidity recorded as 47%. Mean day temperature was 24.6°C while night temperature recorded as 6.7°C with 65.1 hours bright sunshine duration. Wind speed recorded as 2.4km/hr with mean wind direction *north easterly*.

**2.9 Multan**

Cold and dry weather was observed during the decade; however, weather remained partially cloudy for 04 days. Average relative humidity recorded as 50%. Mean day temperature was 24.0°C while night temperature recorded as 7.2°C with 71.9 hours bright sunshine duration. Wind speed recorded as 2.6 km/hr with mean wind direction *north easterly*.

**2.10 Khanpur**

Cold and dry weather was observed during the decade; however, weather remained partially cloudy for 02 days. Average relative humidity recorded as 54%. Mean day temperature was 25.6°C while night temperature recorded as 6.8°C with 83.3 hours bright sunshine duration. Wind speed recorded as 2.0 km/hr with mean wind direction *north easterly*.

**2.11 Sakrand**

Cold and dry weather with clear skies was observed during the decade. Average relative humidity recorded as 48%. Mean day temperature was 25.3°C while night temperature recorded as 8.4°C with 102.2hours bright sunshine duration. Wind speed recorded as 3.1 km/hr with mean direction *northerly*.

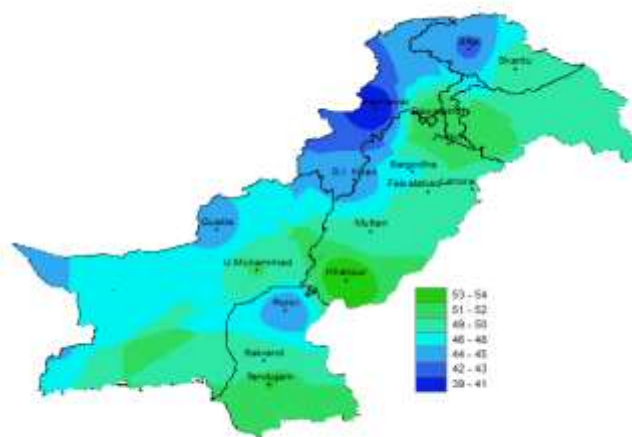


Figure.3: Relative Humidity in Percentage (%)

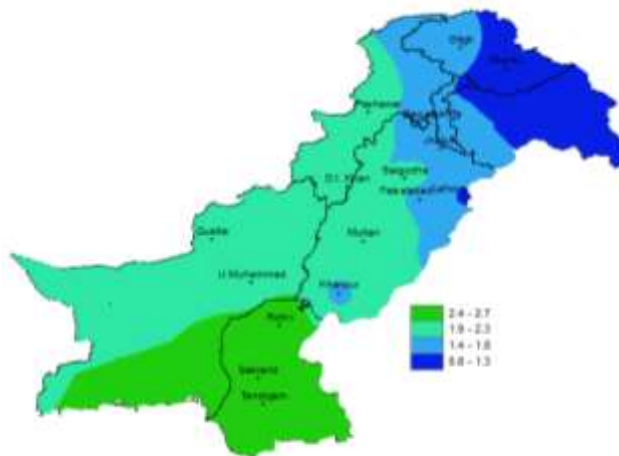


Figure.4: Reference Crop Evapotranspiration ETO (mm/day)



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

**2.12 Rohri**

Cold and dry weather was observed during the decade; however, weather remained partially cloudy for 02 days. Average relative humidity recorded as 43.4%. Mean day temperature was 25.7°C while night temperature recorded as 9.7°C with 103.0 hours bright sunshine duration. Wind speed recorded as 3.3km/hr with mean wind direction as *north westerly*.

**Wheat:** *Very good, early growth.*

**2.13 D.I. Khan**

Cold and dry weather was observed during the decade; however, weather remained partially cloudy for 03 days. Average relative humidity recorded as 44%. Mean day temperature was 25.5°C while night temperature recorded as 8.0°C with 82.4 hours bright sunshine duration. Wind speed recorded as 3.2km/hr with mean wind direction as north westerly.

**2.14 Peshawar**

Rain was reported 0.1mm during the decade; however, weather remained partially cloudy for 06 days. Average relative humidity recorded as 39%. Mean day temperature was 24.2°C while night temperature recorded as 4.8°C with 80.0 hours bright sunshine duration. Wind speed recorded as 4.0km/hr with mean wind direction as north westerly.

**2.15 Skardu**

Rain was reported 0.1mm during the decade; however, weather remained partially cloudy for 04 days. Average relative humidity recorded as 49%. Mean day temperature was 6.7°C while night temperature recorded as -7.2°C with 52.5 hours bright sunshine duration. Wind speed recorded as 0.6km/hr with mean wind direction as *northerly*.

**2.16 Gilgit**

Cold and dry weather was observed during the decade; however, weather remained partially cloudy for 07 days. Average relative humidity recorded as 42.8%. Mean day temperature was 13.4°C while night temperature recorded as -1.9°C with 45.1 hours bright sunshine duration. Wind speed recorded as 4.0km/hr with mean wind direction as *south easterly*.

**Ten Days Weather Advisory for Farmers**  
**(1<sup>st</sup> to 10<sup>th</sup> February 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 cold and dry weather is expected in most parts; however, rain/wind-thunderstorm is likely in northeast parts on 4<sup>th</sup>, 5<sup>th</sup> February and in Potohar region during 2<sup>nd</sup> half of the decade.

**Khyber Pakhtunkhwa:**

Mainly cold and dry weather is expected in most parts, however, rain/wind-thunderstorm snow over hills is likely in upper parts during the decade.

**❖ Sindh:**

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

**❖ Baluchistan:**

Mainly cold and dry weather is expected in most parts, while very cold in upper areas. However, rain/wind-thunderstorm is likely in western parts of the province during 2<sup>nd</sup> half of the decade.

**❖ Gilgit-Baltistan:**

Mainly very cold and dry weather is expected, while rain/wind-thunderstorm/snowfall is likely in Gilgit Baltistan during the decade.

**❖ Kashmir:**

Mainly very cold and dry weather is expected, while rain/wind-thunderstorm/snowfall is likely in Kashmir during the decade.

**3.4 Advisory for Farmers**

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