

# Decadal Agromet Bulletin of Pakistan



## Highlights...

- ❖ Mainly light to moderate rainfall (snowfall over the hills) occurred in most parts of the country with moderate to heavy observed in upper/central parts of Khyber Pakhtunkhwa while dry weather prevailed in Sindh and southwestern parts of Balochistan.
- ❖ Highest amount of rainfall recorded was 104.0 mm at Malam Jabba during the last decade.
- ❖ Lowest minimum temperature recorded was -2.7 °C at Kalam during the last decade.
- ❖ Cold and dry weather is likely in most parts of the country. However, rain wind-thunderstorm (Snowfall over the hills) is expected in northwestern Balochistan, Khyber Pakhtunkhwa, Pothohar region, north-eastern 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: *Ms. Beenish Nazakat, Assistant Meteorologist*

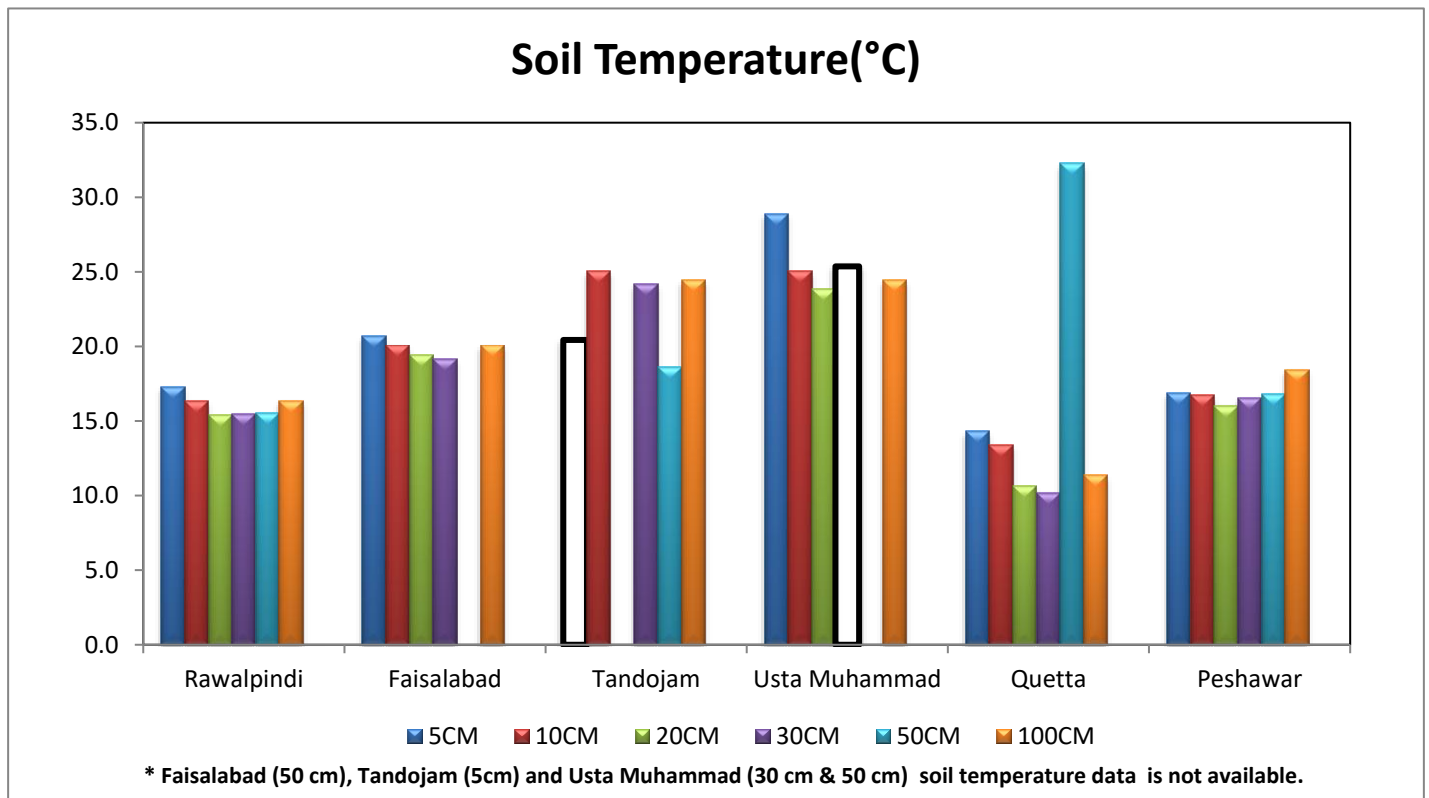
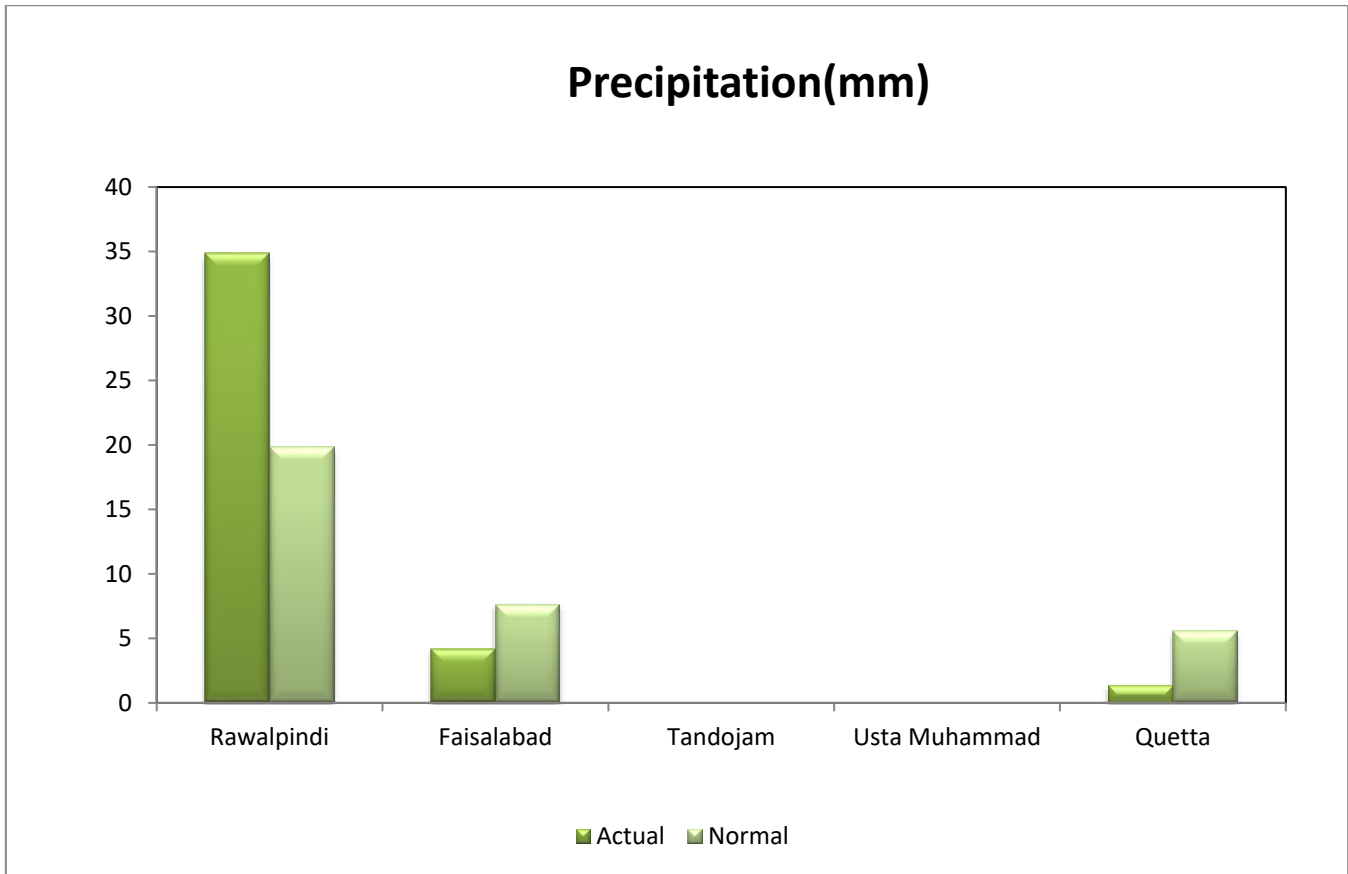
Phone: [+92-51-9250592](tel:+92-51-9250592) Email: [dirnamc@yahoo.com](mailto:dirnamc@yahoo.com)

**Meteorological Conditions during 1<sup>st</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	19.8	34.9	15.1	-0.4	0.5	16.7	17.3	16.4	15.4	15.5	15.6	16.4	54.0	69.9	2.1	2.5
2	Faisalabad	7.6	4.2	-3.4	0.5	-0.5	19.2	20.7	20.1	19.4	19.1	***	20.1	54.0	96.8	2.5	3.2
3	Jhelum	8.5	3.2	-5.3	-0.1	-0.7	18.7	20.4	19.2	18.6	18.2	18.6	***	47.0	88.9	6.7	4.0
4	Lahore	8.7	6.5	-2.2	0.1	-2.6	19.2	18.7	18.4	18.1	18.0	***	19.2	46.0	80.1	1.2	2.6
5	Sargodha	4.5	12.3	7.8	0.3	-0.7	19.7	22.1	20.6	19.8	19.9	***	***	49.0	77.3	3.0	3.1
6	Multan	6.0	1.2	-4.8	0.9	1.7	21.5	***	***	***	***	***	***	44.0	97.3	4.0	3.8
7	Khanpur	31.8	0.0	-31.8	1.7	-0.7	21.8	***	22.6	22.8	22.8	22.6	22.0	46.0	91.6	**	4.9
8	Tandojam	0.0	0.0	0.0	1.7	3.7	25.7	***	25.1	***	24.2	***	24.5	52.0	87.2	3.1	4.1
9	Sakrand	0.0	0.0	0.0	0.7	1.1	23.2	33.5	27.6	25.2	25.4	25.1	***	44.0	97.3	3.7	4.2
11	Rohri	4.3	1.0	-3.3	0.6	-1.6	23.1	***	***	***	***	***	***	40.3	94.3	4.6	4.4
12	D.I Khan	6.0	2.0	-4.0	1.2	1.4	20.2	19.0	18.4	18.2	***	8.3	***	54.0	77.3	3.3	3.2
13	Peshawar	14.3	20.2	5.9	0.0	-2.8	16.4	16.9	16.7	16.0	16.6	16.8	18.4	54.0	64.9	4.6	2.9
14	Usta M.	0.0	0.0	0.0	-0.9	-1.9	21.5	28.9	25.0	23.9	***	***	24.5	45.0	0.0	2.7	3.5
15	Quetta	5.6	1.4	-4.2	-0.9	2.7	11.6	14.3	13.4	10.6	10.2	32.3	11.4	38.6	80.0	6.4	3.3
16	Skardu	6.7	3.8	-2.9	-3.8	-9.1	-1.1	***	***	***	***	***	***	53.0	37.6	0.5	1.2
17	Gilgit	3.3	0.2	-3.1	-1.4	0.1	10.2	***	***	***	***	***	***	34.5	51.6	5.0	2.6

**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 1<sup>st</sup> Decade of March 2025



**Past Weather (1<sup>st</sup> to 10<sup>th</sup> March 2025)**

Mainly light to moderate rainfall (snowfall over the hills) occurred in most parts of the country with moderate to heavy observed in upper/central parts of Khyber Pakhtunkhwa while dry weather prevailed in Sindh and southwestern parts of Balochistan.

**1.1 Punjab**

Mainly cold weather prevailed over most areas. However, light to moderate rain was reported from the province particularly Pothohar region. The decadal maximum and minimum temperatures were observed above normal by 0.4°C 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 49%, 86.0hrs, 3.3km/hr and 3.4mm/day respectively.

**1.2 Sindh**

Dry weather prevailed in most parts of the province. The decadal maximum and minimum temperatures were observed above normal by 1.0 and 1.1°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 45%, 92.9hrs, 3.8km/hr and 4.2mm/day respectively.

**1.3 Khyber Pakhtunkhwa**

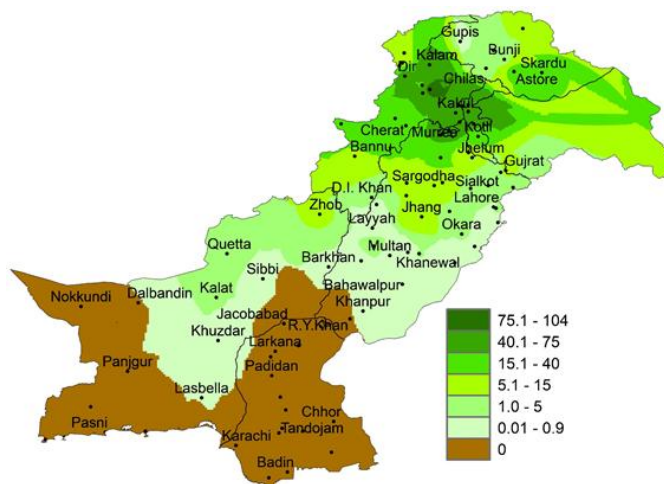
Moderate to heavy precipitation (snow over hills) was reported from upper/central parts while light rain observed in rest of the province. The decadal maximum temperature was observed above normal by 0.6°C and minimum temperature was observed below normal by 0.7°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 54%, 71.1hrs, 4.0km/hr and 3.1mm/day respectively.

**1.4 Baluchistan**

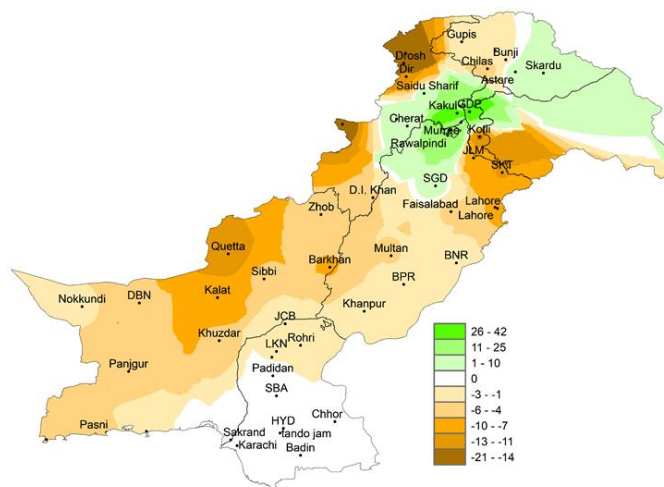
Light rainfall was reported from most parts of the province while dry weather observed in southwestern parts of Balochistan. The decadal maximum was observed below normal by 0.9°C and minimum temperature was above normal by 0.4°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 42%, 40.0hrs, 4.6m/hr and 3.4mm/day respectively.

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

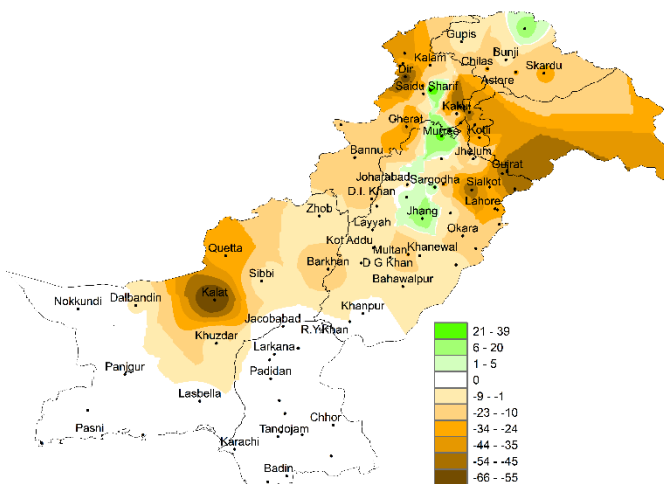
Very cold weather with light to moderate precipitation (snow over hills) was reported from Gilgit Baltistan and Kashmir. The decadal maximum was observed below normal by 2.6°C and minimum temperature was below normal by 4.5°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 44%, 44.6hrs, 2.8km/hr and 1.9mm/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**  
**(1<sup>st</sup> to 10<sup>th</sup> March 2025)**

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

Rain was reported 34.9 mm during the decade; however, weather remained partially cloudy for 07 days. Average relative humidity recorded as 54%. Mean day temperature was 22.5°C while night temperature recorded as 9.4°C with 69.9 hours bright sunshine duration. Wind speed recorded as 2.1km/hr with mean wind direction *north westerly*.

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

Rain was reported 4.2 mm during the decade; however, weather remained partially cloudy for 07 days during the decade. Average relative humidity recorded as 54%. Mean day temperature was 27.1°C while night temperature recorded as 11.2°C with 96.8 hours bright sunshine duration. Wind speed recorded as 2.5km/hr with mean wind direction *westerly*.

*Wheat: Very good, flowering completed.*

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

Cold and dry weather was observed during the decade. however, weather remained partially cloudy for 02 days. Average relative humidity recorded as 52%. Mean day temperature was 33.8°C while night temperature recorded as 17.5°C with 87.2 hours bright sunshine duration. Wind speed recorded as 3.1km/hr with mean wind direction *north-north easterly*.

*Wheat: Good, Flowering.*

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

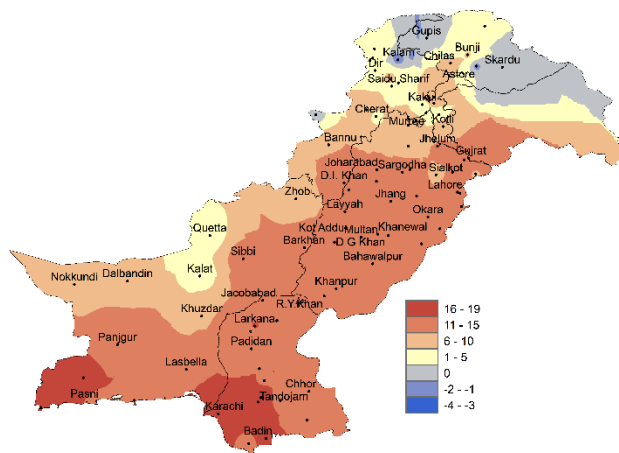
Cold and dry weather was observed during the decade; however, weather remained partially cloudy for 05 days. Average relative humidity recorded as 45%. Mean day temperature was 30.2°C while night temperature recorded as 12.8°C. Wind speed recorded as 2.7km/hr with mean wind direction *north westerly*.

*Wheat: Good, flowering.*

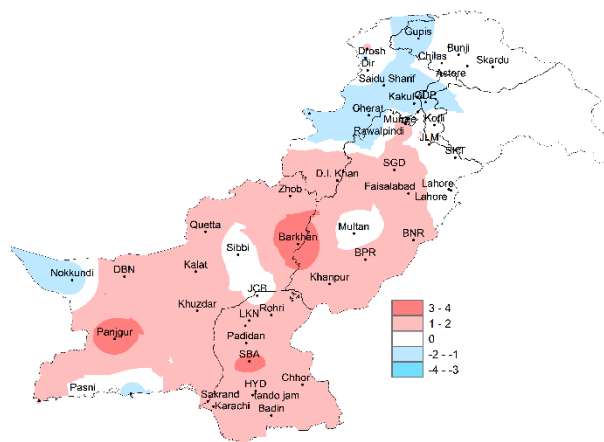
**2.5 RAMC, Quetta (Northern Baluchistan)**

Rain was reported 1.4 mm during the decade; however, weather remained partially cloudy for 09 days during the decade. Average relative humidity recorded as 38.6%. Mean day temperature was 17.1°C while night temperature recorded as 6.0°C with 80.0 hours bright sunshine duration. Wind speed recorded as 6.4 km/hr with mean wind direction *north westerly*.

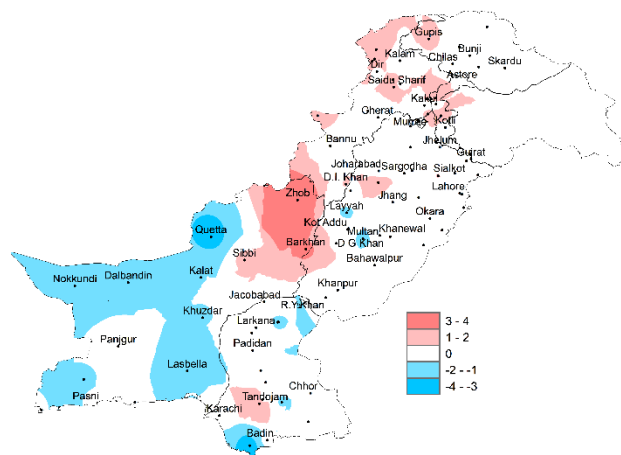
*Wheat: Good, Tilling.*



IV. Actual min-temperature



V. Departure of min-temperature from Normal



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 (1<sup>st</sup> to 10<sup>th</sup> March 2025)**

**2.6 Jhelum**

Rain was reported 3.2 mm during the decade; weather remained partially cloudy for 05 days. Average relative humidity recorded as 47%. Mean day temperature was 26.4°C while night temperature recorded as 10.9°C with 88.9 hours bright sunshine duration. Wind speed recorded as 6.7km/hr with mean wind direction *north westerly*.

**2.7 Lahore**

Rain was reported 6.5 mm during the decade; however, weather remained partially cloudy for 05 days. Average relative humidity recorded as 46%. Mean day temperature was 26.0°C while night temperature recorded as 12.3°C with 80.1 hours bright sunshine duration. Wind speed recorded as 1.2 km/hr with mean wind direction *westerly*.

**2.8 Sargodha**

Rain was reported 12.3 mm during the decade; however, weather remained partially cloudy for 06 days. Average relative humidity recorded as 49%. Mean day temperature was 27.5°C while night temperature recorded as 11.9°C with 77.3 hours bright sunshine duration. Wind speed recorded as 3.0km/hr with mean wind direction *variable*.

**2.9 Multan**

Rain was reported 1.2 mm during the decade; however, weather remained partially cloudy for 07 days. Average relative humidity recorded as 45%. Mean day temperature was 28.5°C while night temperature recorded as 12.9°C with 71.3 hours bright sunshine duration. Wind speed recorded as 4.0 km/hr with mean wind direction *south easterly*.

**2.10 Khanpur**

Cold and dry weather was observed during the decade; however, weather remained cloudy for 03 days. Average relative humidity recorded as 46%. Mean day temperature was 30.9°C while night temperature recorded as 12.7°C with 91.6 hours bright sunshine duration. Mean prevailing wind direction was *north easterly*.

**2.11 Sakrand**

Cold and dry weather was observed during the decade; however, weather remained partially cloudy for 02 days. Average relative humidity recorded as 44%. Mean day temperature was 32.0°C while night temperature recorded as 14.4°C with 97.3 hours bright sunshine duration. Wind speed recorded as 3.7 km/hr with mean direction *north westerly*.

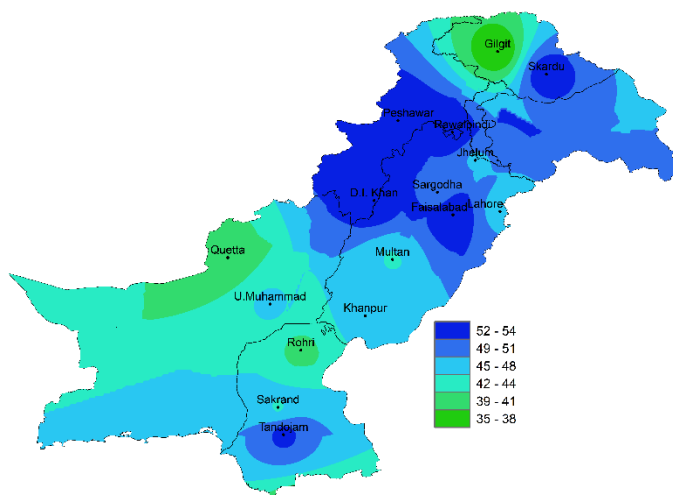


Figure.3: Relative Humidity in Percentage (%)

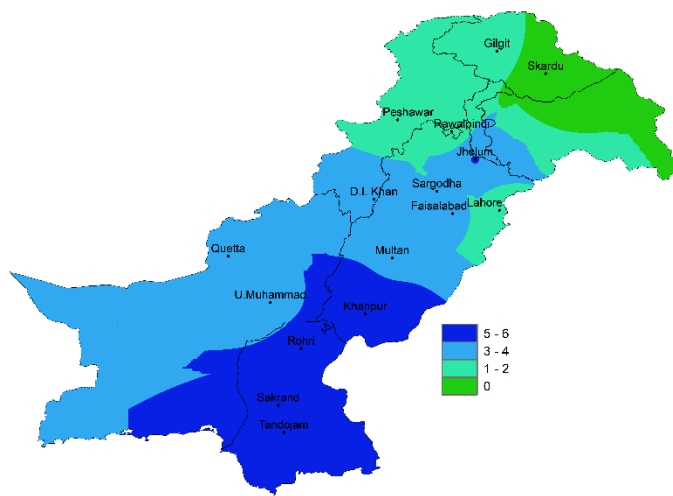


Figure.4: Reference Crop Evapotranspiration ETO (mm/day)

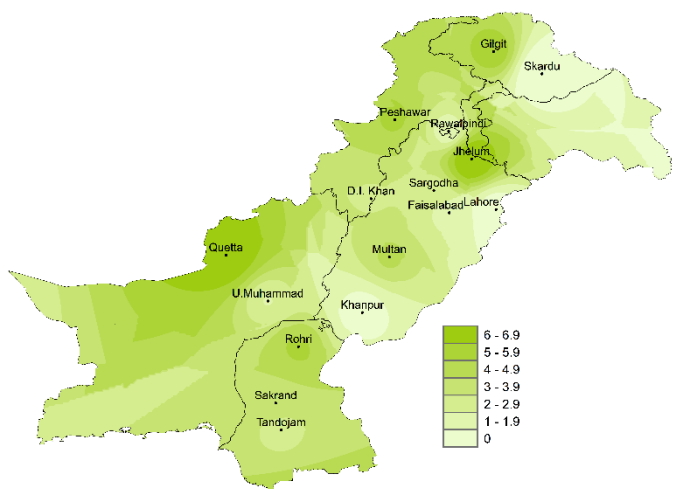


Figure 5: Wind Speed in kilometer per hour (km/h)

**2.12 Rohri**

Rain was reported 1.0 mm during the decade; however, weather remained partially cloudy for 03 days. Average relative humidity recorded as 40.3%. Mean day temperature was 31.3°C while night temperature recorded as 14.8°C with 94.3 hours bright sunshine duration. Wind speed recorded as 4.6km/hr with mean wind direction as *north easterly*.

**Wheat:** *Very good, heading.*

**2.13 D.I. Khan**

Rain was reported 2.0 mm during the decade; however, weather remained partially cloudy for 06 days. Average relative humidity recorded as 54%. Mean day temperature was 27.7°C while night temperature recorded as 12.6°C with 77.3 hours bright sunshine duration. Wind speed recorded as 3.3km/hr with mean wind direction southerly.

**2.14 Peshawar**

Rain was reported 20.2 mm during the decade; however, weather remained partially cloudy for 09 days. Average relative humidity recorded as 54%. Mean day temperature was 24.1°C while night temperature recorded as 8.7°C with 64.9 hours bright sunshine duration. Wind speed recorded as 4.6km/hr with mean wind direction as north westerly.

**2.15 Skardu**

Rain was reported 3.8 mm during the decade; however, weather remained partially cloudy for 05 days. Average relative humidity recorded as 53%. Mean day temperature was 8.0°C while night temperature recorded as -10.2°C with 37.6 hours bright sunshine duration. Wind speed recorded as 0.5km/hr with mean wind direction as *southerly*.

**2.16 Gilgit**

Rain was reported 0.2 mm was observed during the decade; however, weather remained partially cloudy for 10 days. Average relative humidity recorded as 34.5%. Mean day temperature was 16.8°C while night temperature recorded as 3.5°C with 51.6 hours bright sunshine duration. Wind speed recorded as 5.0km/hr with mean wind direction as *variable*.

**Ten Days Weather Advisory for Farmers**  
**(11<sup>th</sup> to 20<sup>th</sup> March 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 rain/wind-thunderstorm is likely in upper parts particularly Pothohar region and north-eastern parts of the province, with snowfall also predicted in Murree and surroundings during 1<sup>st</sup> half of the decade.

❖ **Khyber Pakhtunkhwa:**

Mainly rain-wind/thunderstorm (snowfall over hills) is expected in most parts of the province during the 1<sup>st</sup> half of the decade while cold and dry weather is expected during the 2<sup>nd</sup> half of the decade.

❖ **Sindh:**

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

❖ **Baluchistan:**

Rain-wind/thunderstorm with isolated heavy shower is expected in north-western Balochistan during the first half of the decade while cold and dry weather is likely over the rest of the province during the decade.

❖ **Gilgit-Baltistan:**

Mainly cold weather along with rain/wind-thunderstorm (snowfall over the hills) is likely in Gilgit Baltistan during the decade.

❖ **Kashmir:**

Mainly cold weather along with rain/wind-thunderstorm (snowfall over the hills) 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.