

# Decadal Agromet Bulletin of Pakistan



## Highlights...

- ❖ Mainly Light to moderate rainfall observed the most parts of the country particularly the upper parts including Azad Jammu and Kashmir, Khyber Pakhtunkhwa, Gilgit Baltistan, Pothohar region and northeastern Punjab. However, dry weather observed over most parts of Sindh and Balochistan.
- ❖ Highest amount of rainfall recorded was 53.2 mm at Rawalakot during the last decade.
- ❖ Lowest minimum temperature recorded was 0.3°C at Gupis during the last decade.
- ❖ Dry weather is expected in most parts of the country while, hot in plain areas during day time. However, rain wind/thunderstorm is likely at isolated places in Gilgit Baltistan, Kashmir and upper Khyber-Pakhtunkhwa along the adjoining hilly areas during 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: *Ms. Beenish Nazakat, Assistant Meteorologist*

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

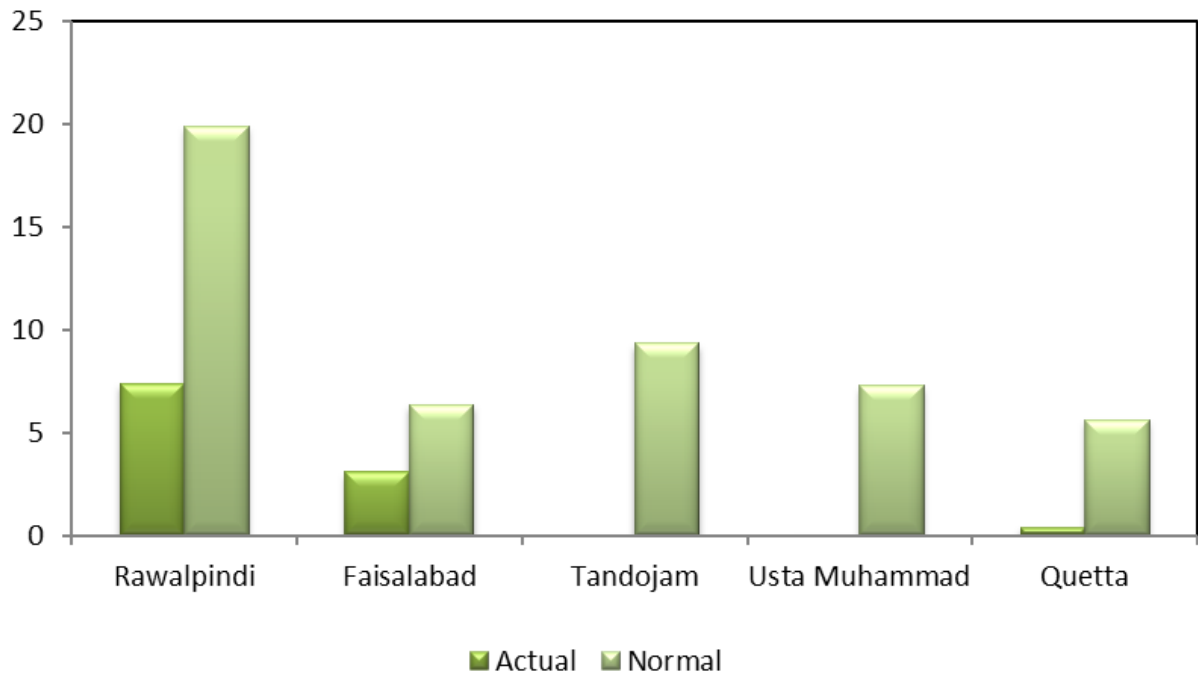
**Meteorological Conditions during 2<sup>nd</sup> Decade of March 2025**

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	19.9	7.4	-12.5	0.1	2.1	20.3	20.4	19.4	18.3	18.0	18.0	17.6	52.2	71.2	1.9	2.9
2	Faisalabad	6.4	3.1	-3.3	-0.3	1.6	22.4	25.0	24.2	23.3	22.8	***	21.7	54.0	90.1	1.9	3.4
3	Jhelum	15.5	7.5	-8.0	0.6	1.1	22.4	24.7	23.5	22.5	21.6	21.5	***	56.0	91.6	4.7	4.0
4	Lahore	6.7	0.0	-6.7	-0.2	-0.6	22.8	21.7	21.6	21.1	20.6	***	20.3	48.0	72.2	1.0	2.9
5	Sargodha	11.0	8.9	-2.1	-0.6	1.1	22.8	25.2	23.9	22.6	22.2	***	***	50.0	74.7	2.8	3.5
6	Multan	4.3	0.4	-3.9	-0.7	2.1	23.8	***	***	***	***	***	***	45.0	52.2	4.0	3.6
7	Khanpur	3.7	2.3	-1.4	0.1	0.7	23.9	***	24.9	25.1	25.0	24.6	23.5	50.0	85.9	**	5.0
8	Tandojam	9.4	0.0	-9.4	0.2	0.5	25.8	***	28.8	***	26.4	***	25.4	50.0	89.7	3.5	4.6
9	Sakrand	8.3	0.0	-8.3	1.5	2.7	25.9	36.9	30.5	28.1	28.0	27.5	***	45.0	52.2	3.5	5.8
11	Rohri	0.0	1.0	1.0	0.1	0.4	25.9	***	***	***	***	***	***	41.8	90.6	4.9	4.9
12	D.I Khan	10.8	2.0	-8.8	1.2	1.5	22.8	23.3	22.3	21.8	***	10.6	***	55.0	77.4	3.3	3.6
13	Peshawar	20.1	7.5	-12.6	1.0	-1.7	20.1	19.6	19.8	18.7	18.5	18.5	19.5	52.0	72.4	4.8	3.6
14	Usta M.	7.3	0.0	-7.3	-0.9	0.2	24.9	32.9	28.6	26.5	***	***	26.0	48.0	0.0	2.5	4.1
15	Quetta	5.6	0.4	-5.2	-1.8	1.8	14.0	18.4	17.5	14.7	14.0	42.2	13.0	31.6	77.9	5.6	3.7
16	Skardu	7.8	28.7	20.9	-4.4	0.8	6.1	***	***	***	***	***	***	57.0	28.1	1.3	1.6
17	Gilgit	4.2	1.2	-3.0	-1.5	0.9	12.9	***	***	***	***	***	***	42.1	44.7	4.0	2.6

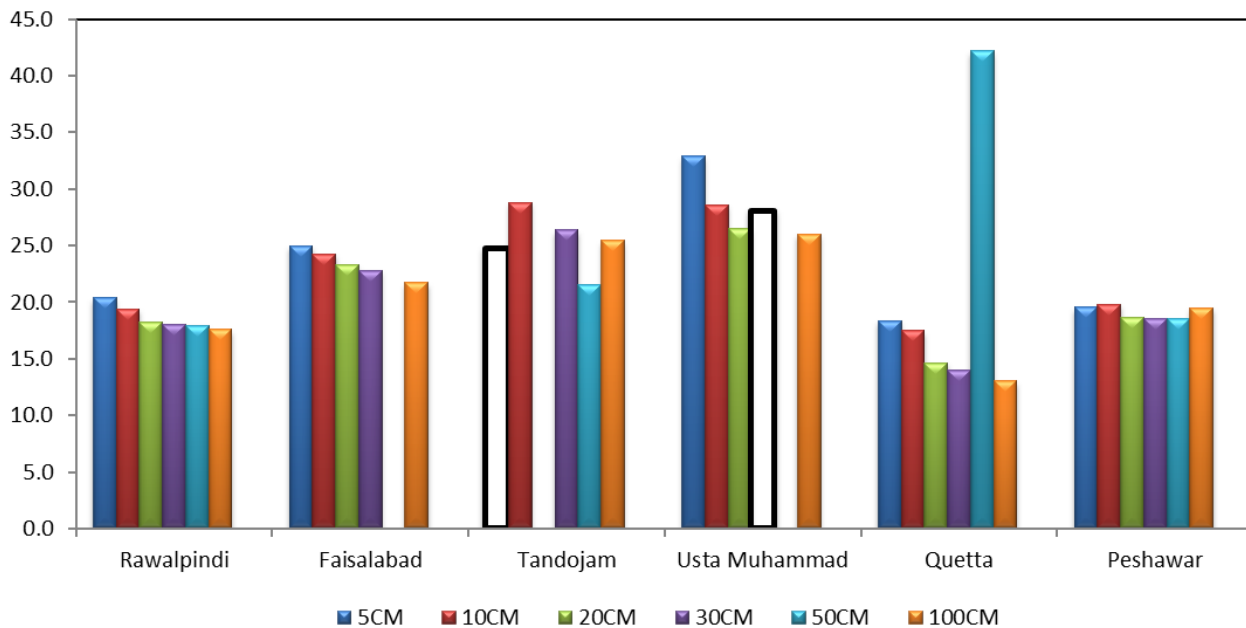
**Table-1:** Meteorological parameters for selected station of Pakistan. "Dep" in the table stands for difference from climatic normal, i.e. actual value minus normal. The climatic normally used in the Bulletin is extracted from the 2007 - 2016 observed data. 'ETO' stands for reference crop Evapotranspiration\*\*\*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

# Graph at RAMCs during March 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 is not available.

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

Light to moderate rainfall observed the most parts of the country particularly the upper parts including Azad Jammu and Kashmir, Khyber Pakhtunkhwa, Gilgit Baltistan, Pothohar region and northeastern Punjab. However, dry weather observed over most parts of Sindh and Balochistan.

**1.1 Punjab**

Mainly light to moderate 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.

**1.2 Sindh**

Dry weather reported from most parts while light rainfall observed over few stations in upper parts of the province. The decadal maximum temperature was observed above normal by 0.6 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 as 46%, 77.5hrs, 4.0km/hr and 5.1mm/day respectively.

**1.3 Khyber Pakhtunkhwa**

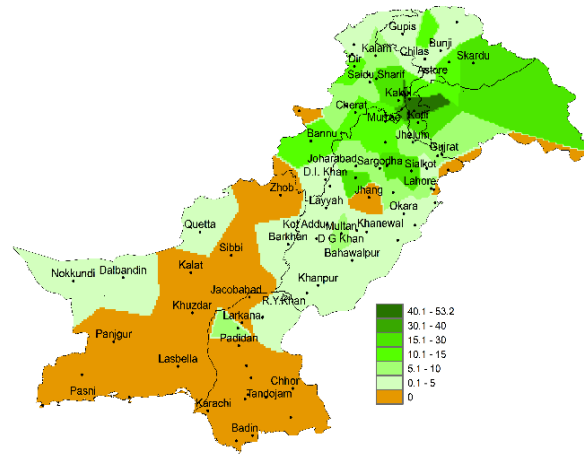
Light to moderate rain was reported from most parts of the province. The decadal maximum temperature was observed above normal by 1.1 and minimum temperature was observed below normal by 0.1°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 54%, 74.9hrs, 4.1km/hr and 2.8mm/day respectively.

**1.4 Baluchistan**

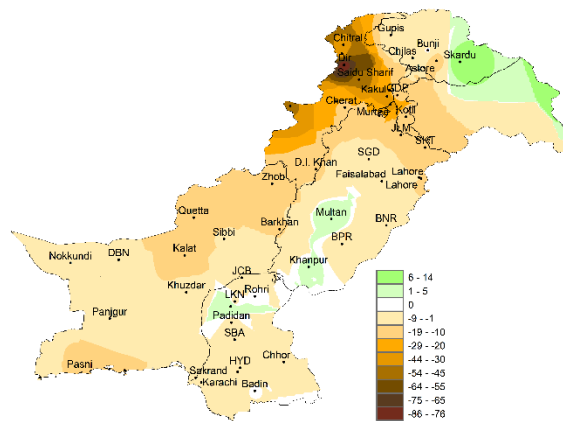
Dry weather reported from most parts of the province while light rainfall observed over the northwestern Balochistan. The decadal maximum was observed below normal by 1.4°C and minimum temperature was above normal by 1.0°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 40%, 39.0hrs, 4.1km/hr and 3.9mm/day respectively.

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

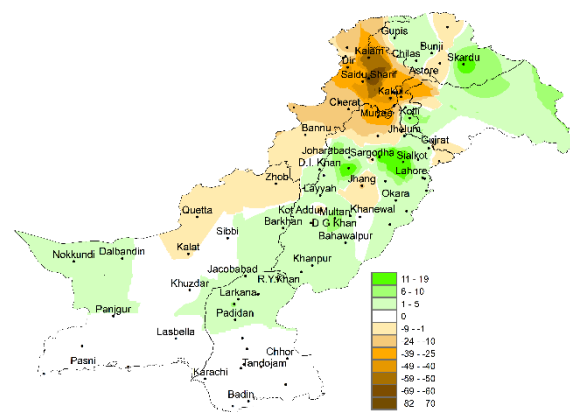
Light to moderate precipitation was reported from Gilgit Baltistan and Azad Jammu & Kashmir. The decadal maximum was observed below normal by 3.0°C and minimum temperature was above normal by 0.9°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 50%, 36.4hrs, 2.7km/hr and 2.1mm/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> March 2025)**

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

Rain was reported 7.4 mm during the decade; however, weather remained partially cloudy for 09 days. Average relative humidity recorded as 52%. Mean day temperature was 27.2°C while night temperature recorded as 13.4°C with 71.2 hours bright sunshine duration. Wind speed recorded as 1.9km/hr with mean wind direction *south westerly*.

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

Rain was reported 3.1 mm during the decade; however, weather remained partially cloudy for 10 days during the decade. Average relative humidity recorded as 54%. Mean day temperature was 29.1°C while night temperature recorded as 15.7°C with 90.1 hours bright sunshine duration. Wind speed recorded as 1.9km/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 04 days. Average relative humidity recorded as 50%. Mean day temperature was 35.1°C while night temperature recorded as 16.5°C with 89.7hours bright sunshine duration. Wind speed recorded as 3.5km/hr with mean wind direction *north-north westerly*.

*Wheat: Good, Full maturity.*

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

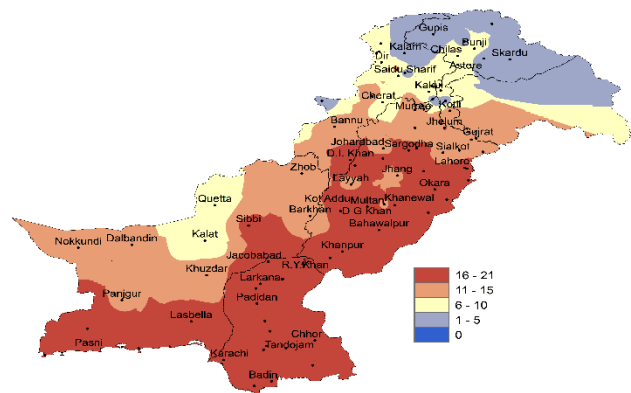
Dry weather was observed during the decade. However, weather remained partially cloudy for 08 days. Average relative humidity recorded as 48%. Mean day temperature was 33.8°C while night temperature recorded as 16.0°C. Wind speed recorded as 2.5km/hr with mean wind direction *north easterly*.

*Wheat: Good, Milk maturity.*

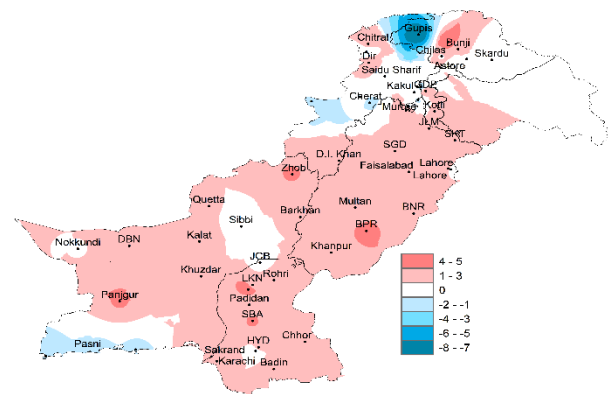
**2.5 RAMC, Quetta (Northern Baluchistan)**

Rain was reported 0.4 mm during the decade; however, weather remained partially cloudy for 09 days during the decade. Average relative humidity recorded as 32%. Mean day temperature was 20.0°C while night temperature recorded as 8.0°C with 77.9 hours bright sunshine duration. Wind speed recorded as 5.6 km/hr with mean wind direction *north westerly*.

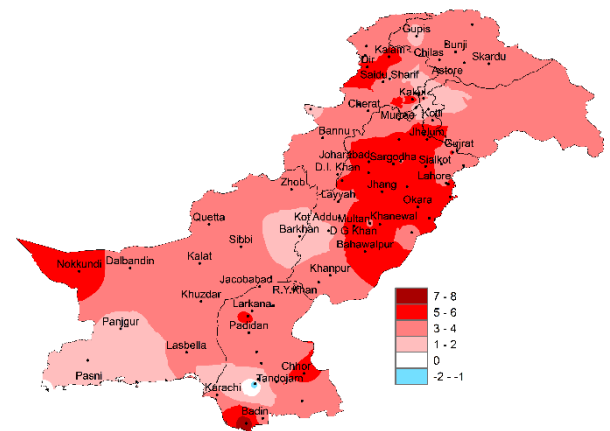
*Wheat: Good, shooting.*



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> March 2025)**

**2.6 Jhelum**

Rain was reported 7.5 mm during the decade; weather remained partially cloudy for 06 days. Average relative humidity recorded as 56%. Mean day temperature was 29.6°C while night temperature recorded as 15.1°C with 91.6 hours bright sunshine duration. Wind speed recorded as 4.7km/hr with mean wind direction *variable*.

**2.7 Lahore**

Dry weather was observed during the decade. However, weather remained partially cloudy for 09 days. Average relative humidity recorded as 48%. Mean day temperature was 28.6°C while night temperature recorded as 16.9°C with 72.2 hours bright sunshine duration. Wind speed recorded as 1.0 km/hr with mean wind direction *north westerly*.

**2.8 Sargodha**

Rain was reported 8.9 mm during the decade; however, weather remained partially cloudy for 08 days. Average relative humidity recorded as 50%. Mean day temperature was 29.4°C while night temperature recorded as 16.2°C with 74.7 hours bright sunshine duration. Wind speed recorded as 2.8km/hr with mean wind direction *north easterly*.

**2.9 Multan**

Rain was reported 0.4 mm during the decade; however, weather remained partially cloudy for 10 days. Average relative humidity recorded as 49%. Mean day temperature was 30.0°C while night temperature recorded as 16.8°C with 65.1 hours bright sunshine duration. Wind speed recorded as 4.0 km/hr with mean wind direction *south westerly*.

**2.10 Khanpur**

Rain was reported 2.3 mm during the decade; however, weather remained cloudy for 08 days. Average relative humidity recorded as 50%. Mean day temperature was 31.6°C while night temperature recorded as 16.2°C with 85.9 hours bright sunshine duration. Mean prevailing wind direction was *northerly*.

**2.11 Sakrand**

Dry weather was observed during the decade; however, weather remained partially cloudy for 04 days. Average relative humidity recorded as 45%. Mean day temperature was 34.1°C while night temperature recorded as 17.6°C with 97.7 hours bright sunshine duration. Wind speed recorded as 3.5 km/hr with mean direction *north westerly*.

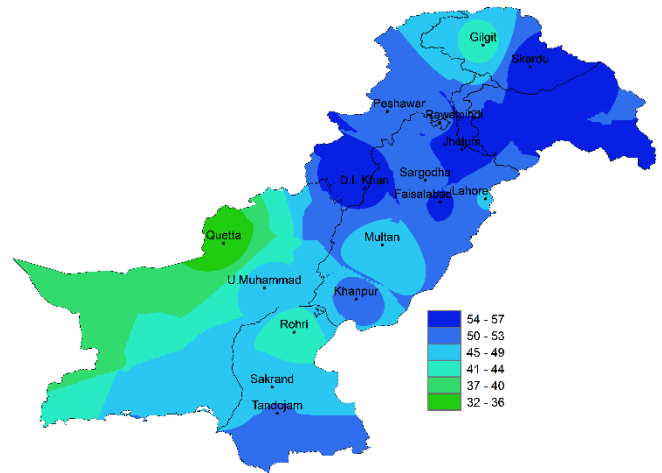


Figure.3: Relative Humidity in Percentage (%)

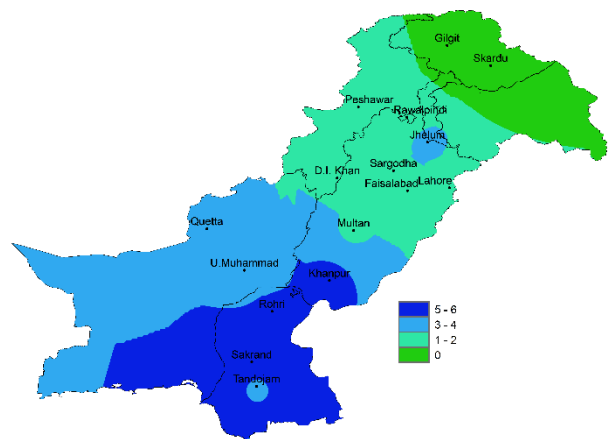


Figure.4: Reference Crop Evapotranspiration ETO (mm/day)

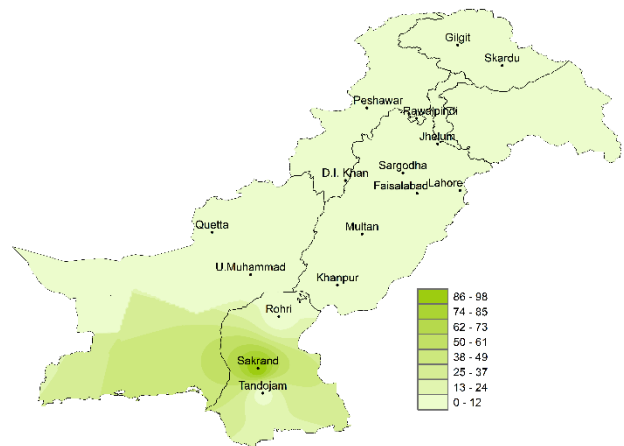


Figure 5: Wind Speed in kilometer per hour (km/h)

**2.12 Rohri**

Rain was reported 1.0 mm during the decade; however, weather remained partially cloudy for 05 days. Average relative humidity recorded as 42%. Mean day temperature was 33.1°C while night temperature recorded as 18.7°C with 90.6 hours bright sunshine duration. Wind speed recorded as 4.9km/hr with mean wind direction as *north easterly*.

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

**2.13 D.I. Khan**

Rain was reported 2.0 mm during the decade; however, weather remained partially cloudy for 04 days. Average relative humidity recorded as 55%. Mean day temperature was 29.9°C while night temperature recorded as 15.7°C with 77.4 hours bright sunshine duration. Wind speed recorded as 3.3km/hr with mean wind direction *south easterly*.

**2.14 Peshawar**

Rain was reported 7.5 mm during the decade; however, weather remained partially cloudy for 07 days. Average relative humidity recorded as 52%. Mean day temperature was 28.0°C while night temperature recorded as 12.1°C with 72.4 hours bright sunshine duration. Wind speed recorded as 4.8km/hr with mean wind direction as *south westerly*.

**2.15 Skardu**

Rain was reported 28.7 mm during the decade; however, weather remained partially cloudy for 04 days. Average relative humidity recorded as 57%. Mean day temperature was 10.1°C while night temperature recorded as 2.0°C with 28.1 hours bright sunshine duration. Wind speed recorded as 1.3km/hr with mean wind direction as *northerly*.

**2.16 Gilgit**

Rain was reported 1.2 mm was observed during the decade; however, weather remained partially cloudy for 10 days. Average relative humidity recorded as 42%. Mean day temperature was 19.0°C while night temperature recorded as 6.7°C with 44.7 hours bright sunshine duration. Wind speed recorded as 4.0km/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 hot and dry weather is expected in most of the plain areas while isolated rain-windstorm/thunderstorm also expected in Pothohar region and south Punjab during evening/night.

**❖ Khyber Pakhtunkhwa:**

Mainly dry weather is expected from most parts while rain/wind-thunderstorm is likely in upper parts during the decade.

**❖ Sindh:**

Mainly dry weather is expected in most parts of province while hot in plain areas during the decade.

**❖ Baluchistan:**

Mainly dry weather is expected in most parts, while rain/wind-thunderstorm is likely in northeastern parts of the province during 2<sup>nd</sup> half of the decade.

**❖ Gilgit-Baltistan:**

Rain/wind-thunderstorm is likely in isolated parts in Gilgit Baltistan during the decade.

**❖ Kashmir:**

Mainly rain/wind-thunderstorm is likely in isolated parts in Kashmir during the decade.

**3.4 Advisory for Farmers**

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