

Decadal Agromet Bulletin of Pakistan



Highlights...

- ❖ Mainly dry weather prevailed in most parts while, hot in southern parts of the country. Light to moderate rainfall reported from Khyber Pakhtunkhwa, Punjab, South Balochistan Gilgit Baltistan and Azad Jammu & Kashmir except Sindh.
- ❖ Highest amount of rainfall recorded was 42 mm at Dir during the last decade.
- ❖ Highest maximum temperature recorded was 47.00°C at Sh.Benazir Abad during the last decade.
- ❖ Mainly hot and dry weather is expected in most parts of the country. However, rain wind-thunderstorm is likely in Khyber Pakhtunkhwa, Punjab, North Balochistan, Gilgit-Baltistan and Azad Jammu & Kashmir during second half of decade.
- ❖ Farmers are advised to view the weather forecast before any field activity.

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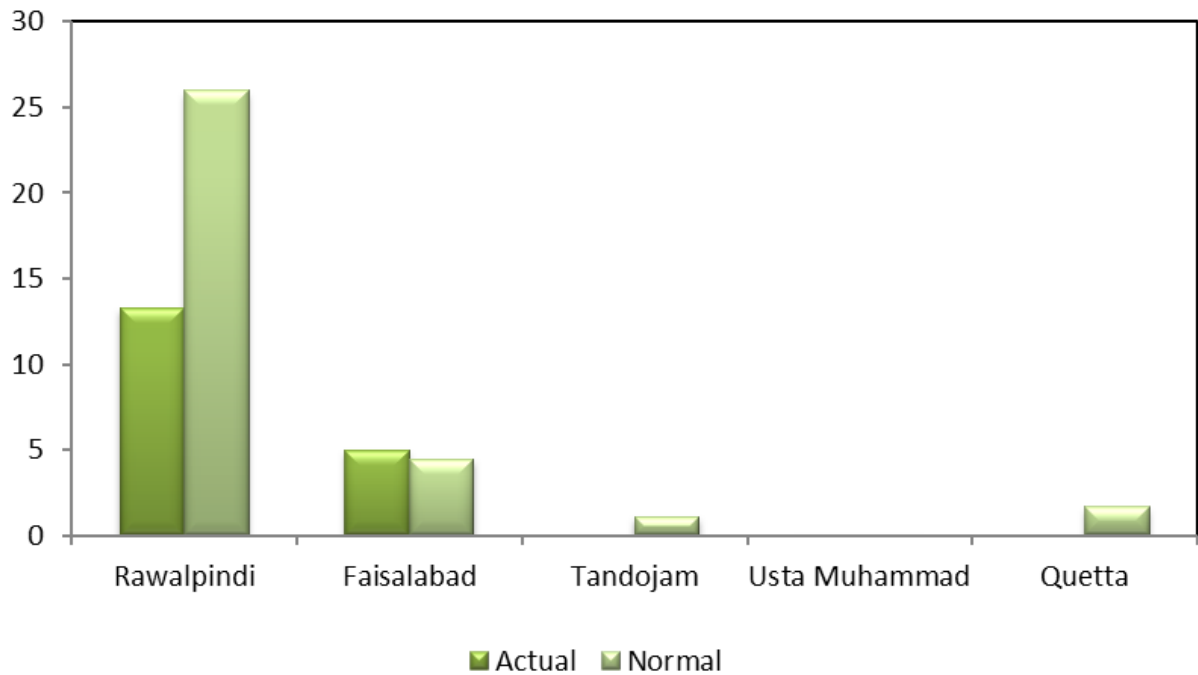
Meteorological Conditions during 1st Decade of April 2025

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	26.0	13.3	-12.7	3.8	0.1	24.1	25.3	23.8	22.4	21.9	21.4	20.4	40.2	77.8	2.1	3.9
2	Faisalabad	4.5	5.0	0.5	4.0	3.4	29.2	31.4	30.3	28.8	28.0	***	25.4	38.0	100.3	2.9	5.2
3	Jhelum	17.0	12.4	-4.6	4.1	0.9	27.3	31.3	29.6	28.1	26.7	26.2	***	37.0	94.7	3.7	5.7
4	Lahore	5.4	0.0	-5.4	3.4	0.0	28.4	26.2	25.9	24.8	24.3	***	22.9	31.0	86.3	1.5	4.2
5	Sargodha	13.5	2.0	-11.5	4.0	2.2	29.0	31.6	29.8	28.0	27.2	***	***	33.0	83.3	2.2	4.0
6	Multan	3.3	TR	-3.3	3.1	2.8	29.7	***	***	***	***	***	***	34.0	106.6	5.2	5.5
7	Khanpur	6.2	0.0	-6.2	4.3	0.5	29.7	***	28.7	28.7	28.5	28.1	26.9	37.0	101.8	**	6.6
8	Tandojam	1.1	0.0	-1.1	3.2	-0.6	30.1	***	32.9	***	28.3	***	27.2	40.0	93.0	7.4	5.8
9	Sakrand	0.6	0.0	-0.6	4.8	2.5	31.7	42.6	34.5	31.3	31.0	30.3	***	34.0	106.6	4.1	5.8
11	Rohri	6.5	0.0	-6.5	5.3	0.8	32.4	***	***	***	***	***	***	26.0	105.6	3.7	5.5
12	D.I Khan	6.5	3.0	-3.5	4.1	2.5	28.5	27.9	26.6	26.1	***	14.3	***	42.0	78.0	3.8	5.0
13	Peshawar	28.7	0.5	-28.2	4.3	0.0	25.0	23.3	23.1	20.5	21.5	20.8	21.8	47.0	64.9	3.7	4.6
14	Usta M.	0.0	0.0	0.0	-0.9	0.2	30.1	37.0	33.6	30.7	***	***	29.1	31.0	0.0	2.5	4.9
15	Quetta	1.7	0.0	-1.7	3.8	5.0	20.8	23.9	22.6	19.6	18.4	17.9	16.2	24.1	88.1	6.4	4.7
16	Skardu	27.3	6.6	-20.7	2.3	0.4	12.7	***	***	***	***	***	***	35.0	66.7	2.6	2.4
17	Gilgit	14.3	0.2	-14.1	2.7	1.9	17.9	***	***	***	***	***	***	34.1	68.9	4.2	3.5

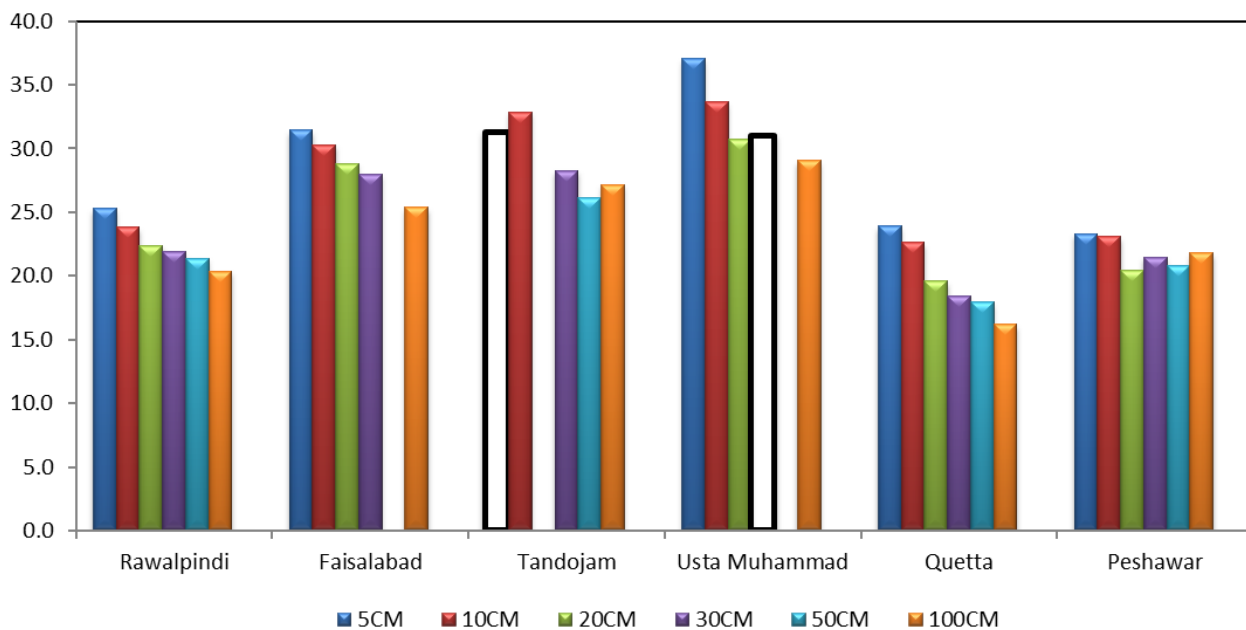
Table-1: Meteorological parameters for selected station of Pakistan. "Dep" in the table stands for difference from climatic normal, i.e. actual value minus normal. The climatic normally used in the Bulletin is extracted from the 2007 - 2016 observed data. 'ETO' stands for reference crop Evapotranspiration***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

Graph at RAMCs during April 2025

Precipitation(mm) during 1st 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 (1st to 10th April 2025)

Mainly hot and dry weather is expected in most parts of the country. However, rain wind-thunderstorm is likely in Khyber Pakhtunkhwa, Punjab, North Balochistan, Gilgit-Baltistan and Azad Jammu & Kashmir during second half of decade.

Punjab

Mainly dry weather prevailed over most areas, however, light rain was reported from the province. The decadal maximum temperature was observed above normal by 3.8 and minimum temperature was observed above normal by 1.4°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded 38%, 93.0hrs, 2.9km/hr and 5.0mm/day respectively.

1.1 Sindh

Dry weather prevailed. The decadal maximum temperature was observed above normal by 4.4 and minimum temperature was observed above normal by 0.9°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 33.3%, 101.7hrs, 5.1km/hr and 5.7mm/day respectively.

1.2 Khyber Pakhtunkhwa

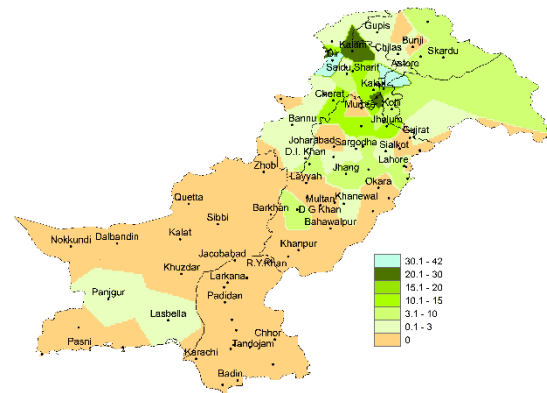
Light to moderate rain was reported from upper parts of the province. The decadal maximum temperature was observed above normal by 4.2 and minimum temperature was observed above normal by 1.2°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 45%, 71.5hrs, 48.3km/hr and 4.8mm/day respectively.

1.3 Baluchistan

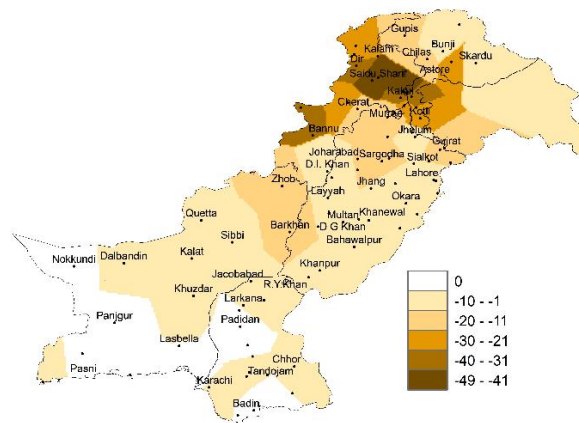
Light rain was reported from center parts of the province. The decadal maximum was observed above normal by 1.5°C and minimum temperature was above normal by 2.6°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 28%, 44.1hrs, 4.5km/hr and 4.8mm/day respectively.

1.4 Gilgit-Baltistan and Azad Jammu & Kashmir.

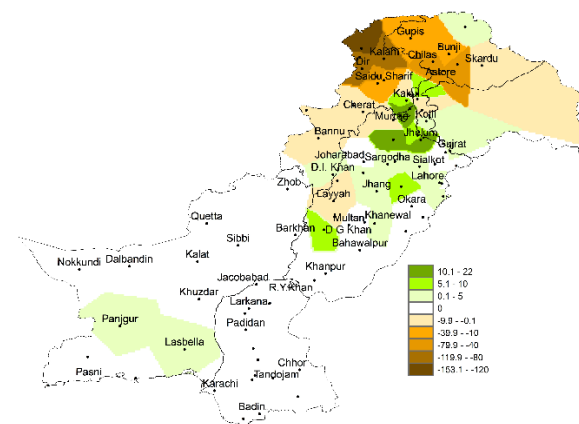
Very cold weather with light to moderate rain was reported from Gilgit Baltistan and Kashmir. The decadal maximum was observed above normal by 2.5°C and minimum temperature was above normal by 1.1°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 35%, 67.8hrs, 3.4km/hr and 3.0mm/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 (1st to 10th April 2025)**

2.1 RAMC, Rawalpindi (Potohar region)

Rain was reported 13.3mm during the decade; However, weather remained partially cloudy for 08 days. Average relative humidity recorded as 40%. Mean day temperature was 33.7°C while night temperature recorded as 14.5°C with 77.8 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 5.0 mm during the decade; however, weather remained partially cloudy for 07 days during the decade. Average relative humidity recorded as 38%. Mean day temperature was 37.5°C while night temperature recorded as 20.8°C with 100.3 hours bright sunshine duration. Wind speed recorded as 2.9km/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 01 days. Average relative humidity recorded as 40%. Mean day temperature was 41.5°C while night temperature recorded as 18.7°C with 93.0hours bright sunshine duration. Wind speed recorded as 7.4km/hr with mean wind direction *south-south easterly*.

2.4 RAMC, Usta Muhammad (Eastern Baluchistan)

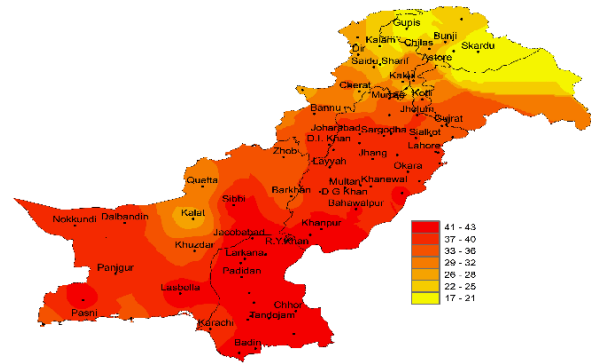
Dry weather was observed during the decade. However, weather remained partially cloudy for 06 days. Average relative humidity recorded as 31%. Mean day temperature was 40.2°C while night temperature recorded as 20.0°C. Wind speed recorded as 2.5km/hr with mean wind direction *north easterly*.

Wheat: Good, wax maturity.

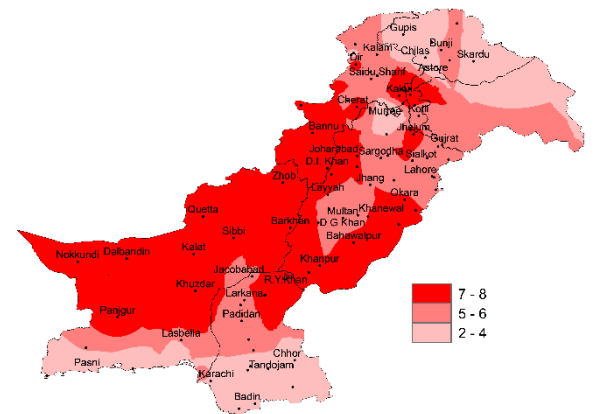
2.5 RAMC, Quetta (Northern Baluchistan)

Dry weather was observed during the decade; However, weather remained partially cloudy for 08 days during the decade. Average relative humidity recorded as 24.1%. Mean day temperature was 28.0°C while night temperature recorded as 13.6°C with 88.1 hours bright sunshine duration. Wind speed recorded as 6.4 km/hr with mean wind direction *north westerly*.

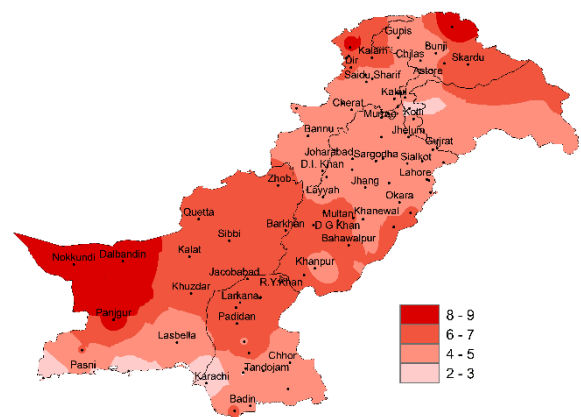
Wheat: Good, heading.



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

2(b) Past Weather or Sub-Regional Agricultural Plains (1st to 10th April 2025)

2.6 Jhelum

Rain was reported 12.4 mm during the decade; weather remained partially cloudy for 06 days. Average relative humidity recorded as 37%. Mean day temperature was 36.4°C while night temperature recorded as 18.1°C with 94.7 hours bright sunshine duration. Wind speed recorded as 3.7km/hr with mean wind direction *south easterly*.

2.7 Lahore

Dry weather was observed during the decade; However, weather remained partially cloudy for 04 days. Average relative humidity recorded as 31%. Mean day temperature was 36.2°C while night temperature recorded as 20.5°C with 86.3 hours bright sunshine duration. Wind speed recorded as 1.5 km/hr with mean wind direction *westerly*.

2.8 Sargodha

Rain was reported 2.0 mm during the decade; However, weather remained partially cloudy for 05 days. Average relative humidity recorded as 33%. Mean day temperature was 37.4°C while night temperature recorded as 20.5°C with 83.3 hours bright sunshine duration. Wind speed recorded as 2.2km/hr with mean wind direction *easterly*.

2.9 Multan

Rain was reported 0.1 mm during the decade; However, weather remained partially cloudy for 07 days. Average relative humidity recorded as 31%. Mean day temperature was 37.9°C while night temperature recorded as 21.5°C with 81.0 hours bright sunshine duration. Wind speed recorded as 5.2 km/hr with mean wind direction *south westerly*.

2.10 Khanpur

Dry weather was observed during the decade. Average relative humidity recorded as 37%. Mean day temperature was 40.1°C while night temperature recorded as 19.3°C with 101.8 hours bright sunshine duration. Mean prevailing wind direction was *north westerly*.

2.11 Sakrand

Dry weather was observed during the decade; however, weather remained partially cloudy for 01 days. Average relative humidity recorded as 34%. Mean day temperature was 41.9°C while night temperature recorded as 21.5°C with 106.6 hours bright sunshine duration. Wind speed recorded as 4.1 km/hr with mean direction *southerly*.

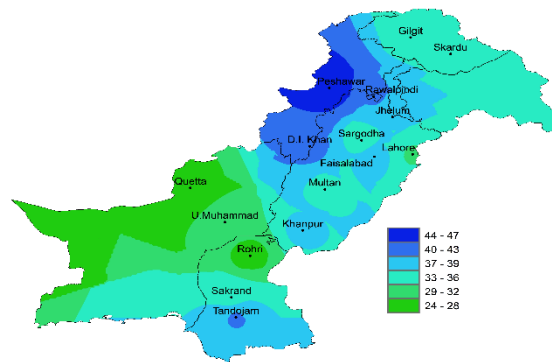


Figure.3: Relative Humidity in Percentage (%)

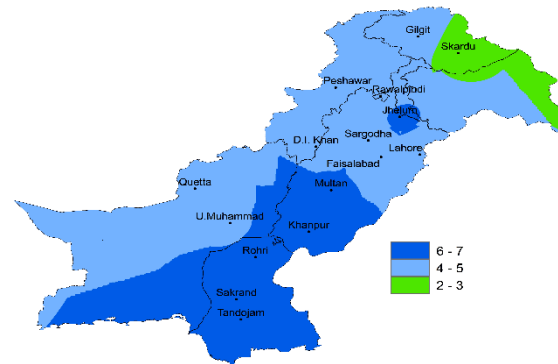


Figure.4: Reference Crop Evapotranspiration ETO (mm/day)

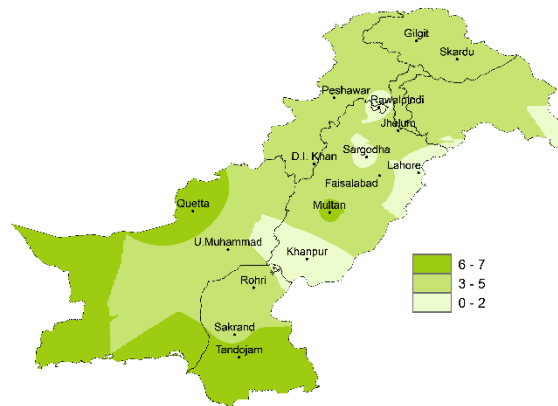


Figure 5: Wind Speed in kilometer per hour (km/h)

2.12 Rohri

Dry weather was observed during the decade; However, weather remained partially cloudy for 01 days. Average relative humidity recorded as 26%. Mean day temperature was 41.8°C while night temperature recorded as 22.9°C with 105.6 hours bright sunshine duration. Wind speed recorded as 3.7km/hr with mean wind direction *variable*.

Wheat: *Good, Harvesting.*

2.13 D.I. Khan

Rain was reported 3.0 mm during the decade; However, weather remained partially cloudy for 05 days. Average relative humidity recorded as 42%. Mean day temperature was 37.1°C while night temperature recorded as 19.8°C with 78.0 hours bright sunshine duration. Wind speed recorded as 3.8km/hr with mean wind direction *south easterly*.

2.14 Peshawar

Rain was reported 0.5 mm during the decade; However, weather remained partially cloudy for 09 days. Average relative humidity recorded as 47%. Mean day temperature was 33.5°C while night temperature recorded as 16.4°C with 64.9 hours bright sunshine duration. Wind speed recorded as 3.7km/hr with mean wind direction as *north westerly*.

2.15 Skardu

Rain was reported 6.6 mm during the decade; However, weather remained partially cloudy for 04 days. Average relative humidity recorded as 35%. Mean day temperature was 20.1°C while night temperature recorded as 5.3°C with 66.7 hours bright sunshine duration. Wind speed recorded as 2.6km/hr with mean wind direction as *south westerly*.

2.16 Gilgit

Rain was reported 0.2 mm was observed during the decade; However, weather remained partially cloudy for 09 days. Average relative humidity recorded as 34%. Mean day temperature was 25.8°C while night temperature recorded as 10.0°C with 68.9 hours bright sunshine duration. Wind speed recorded as 4.2km/hr with mean wind direction as *south westerly*.

Eight Days Weather Advisory for Farmers
(1st to 10th 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 hot and dry weather is expected in most parts; however, rain/wind-thunderstorm is likely in the province during 2nd half of the decade.

❖ Khyber Pakhtunkhwa:

Mainly hot and dry weather is expected in most parts; however, rain/wind-thunderstorm is likely in the province during 2nd half of the decade

❖ Sindh:

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

❖ Baluchistan:

Mainly hot and dry weather is expected in most parts; however, rain/wind-thunderstorm is likely in north parts of the province during 2nd half of the decade

❖ Gilgit-Baltistan:

Mainly hot and dry weather is expected in most parts; however, rain/wind-thunderstorm is likely in Gilgit-Baltistan during 2nd half of the decade.

Kashmir:

Mainly hot and dry weather is expected in most parts; however, rain/wind-thunderstorm is likely in Kashmir during 2nd half of the decade

3.4 Advisory for Farmers

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