

# Weekly Weather and Crop Bulletin for Pakistan

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PAKISTAN METEOROLOGICAL  
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**Rainfall Distribution (mm) during the Previous Week (26<sup>th</sup> August – 01<sup>st</sup> September 2024)**

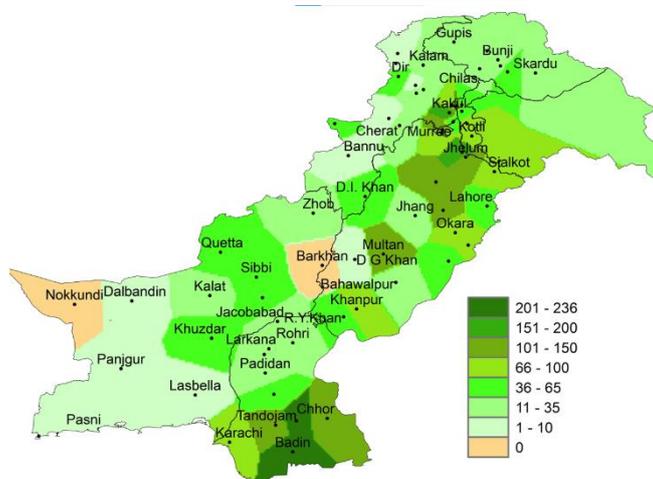


Figure 1: Rainfall.

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## Highlights of Past Weather (26<sup>th</sup> August – 01<sup>st</sup> September 2024)

- Moderate to heavy rain was reported from throughout the country during the previous week except Nokkundi.
- Normal to below normal daily maximum temperatures were observed in the country whereas above normal in the southern parts of Baluchistan.
- Daily minimum temperatures were observed normal to above normal in most parts of the country.
- Below normal mean daily temperatures were observed in most parts of the country.

**Patron-in-Chief: Mahr Sahibzad Khan (Director General)**

**Editor-in-Chief: Asma Jawad Hashmi (Director)**

**Editor: Dr. Tariq Mahmood (Meteorologist)**

## **Past Weather of Provinces** **(26<sup>th</sup> August – 01<sup>st</sup> September 2024)**

### **Punjab**

Moderate to heavy rainfall was reported from the Punjab province. Weekly maximum and minimum temperatures recorded as 32.6°C & 24.8°C respectively. For the recent week on average 95.9 growing degree days were accumulated. Average relative humidity recorded as 77% and wind speed in the morning/evening recorded as 2.3/4.3 Knots. Maximum rainfall was reported as 182.50 mm from Mangla. However, highest maximum temperature was recorded as 41.0°C at Bhakkar.

### **Baluchistan**

Light to moderate rainfall was reported from the province. Weekly maximum and minimum temperatures recorded as 31.0°C & 21.1°C respectively. For the recent week on average 77.5 growing degree days were accumulated. Average relative humidity recorded 43% and wind speed in the morning/evening recorded as 2.3/6.3 Knots. Maximum rainfall was reported as 49.40 mm from Usta Muhammad. However, highest maximum temperature was recorded as 45.0°C at Nokkundi.

### **Khyber Pakhtunkhwa**

Light to moderate rainfall was reported from Khyber Pakhtunkhwa province. Weekly maximum and minimum temperatures recorded as 30.3°C & 20.3°C respectively. For the recent week on average 72.0 growing degree days were accumulated. Average relative humidity recorded as 76% and wind speed in the morning/evening recorded as 1.3/1.8 Knots. Maximum rainfall was reported as 151.00 mm from Kakul. However, highest maximum temperature recorded as 39.5°C at D. I. Khan.

### **Sindh**

Moderate to heavy rain was reported from Sindh especially southern parts of the province. Weekly maximum and minimum temperatures recorded as 33.0°C & 25.9°C respectively. For the recent week, on average 101.1 growing degree days were accumulated. Average relative humidity recorded as

78% and wind speed in the morning/evening recorded as 4.8/6.0 Knots. Maximum rainfall was reported as 235.80 mm from Badin. However, highest maximum temperature recorded as 39.0°C at Shaheed Benazirabad.

### **Gilgit-Baltistan and Azad Jammu & Kashmir**

Light to moderate rainfall was reported from Gilgit Baltistan and Kashmir during the previous week. Weekly maximum and minimum temperatures recorded as 26.0°C & 17.5°C respectively. For the recent week on average 47.5 growing degree days were accumulated. Average relative humidity recorded as 76%. and wind speed recorded in the morning/evening as 0.6/1.4. Highest rainfall was reported as 181.00 mm from Muzaffarabad. However, highest maximum temperature recorded as 39.5°C at Chilas.

**Past Weather for Major Agricultural Plains****(26<sup>th</sup> August – 01<sup>st</sup> September 2024)****Rawalpindi (Potohar region)**

Rainfall reported as 95.10 mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 4.6/6.1 Oktas, average relative humidity observed as 80%. Mean maximum time temperature was recorded as 32.5°C and for the recent week 76.1 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.1/0.4 Knots. The highest maximum temperature was recorded as 37.5°C.

**Faisalabad (Central Punjab)**

Rainfall reported as 43.00 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded 5.0/5.1 Oktas while, average relative humidity observed as 80%. Mean maximum time temperature recorded 32.5°C & for the recent week 99.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/1.7 Knots. The highest maximum temperature was recorded as 36.5°C.

**Tandojam (Lower Sindh)**

Rainfall reported as 129.10 mm from Tandojam during the week; however, cloudiness in the morning/evening recorded as 5.7/5.6 oktas while, average relative humidity observed as 82%. Mean maximum time temperature recorded as 32.6°C & for the recent week 94.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.2/2.0 Knots. The highest maximum temperature was recorded as 38.5°C.

**Usta Muhammad (Eastern Baluchistan)**

Rainfall reported as 49.40 mm from Usta Muhammad during the week; however, cloudiness in the morning/evening recorded as 4.8/4.2. Average relative humidity observed as 76%. Mean maximum time temperature recorded as 33.9°C & for the recent week 167.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.2/3.7 Knots. The highest maximum temperature was recorded as 39.0°C.

**Quetta (Northern Baluchistan)**

Rainfall reported as 46.40 mm from Quetta during the week; however, cloudiness in the morning/evening recorded as 3.0/5.7 Oktas while, average relative humidity observed as 61%. Mean maximum time temperature recorded as 29.1°C & for the recent week 128.0 growing degree days accumulated. Wind speed recorded in the

morning/evening as 2.8/3.1 Knots. The highest maximum temperature was recorded as 34.5°C.

**Past Weather for Sub-Regional Agricultural Plains****(26<sup>th</sup> August – 01<sup>st</sup> September 2024)****Multan**

Rainfall reported as 145.00 mm from Multan during the week; however, cloudiness in the morning/evening recorded as 4.3/3.7 Oktas. Average relative humidity observed as 77%. Mean maximum time temperature recorded as 33.6°C & for the recent week 104.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.1/7.1 Knots.

**Lahore**

Rainfall reported as 51.00 mm from Lahore during the week; cloudiness in the morning/evening recorded as 4.7/5.5 Oktas, average relative humidity observed as 74%. Mean maximum time temperature recorded as 33.2°C & for the recent week 98.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.1/4.4 Knots.

**Zhob**

Rainfall reported as 13.00 mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 2.9/5.4 Oktas. Average relative humidity observed as 52%. Mean maximum time temperature recorded as 31.0 °C & for the recent week 77.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.1/4.4 Knots.

**Murree**

Rainfall reported as 62.00 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 4.9/7.0 Oktas while, average relative humidity observed as 79%. Mean maximum time temperature recorded as 21.5°C & for the recent week 22.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.3/3.4 Knots.

**D.I. Khan**

Rainfall reported as 39.50 mm from D.I. Khan during the week; however, cloudiness observed in the morning/evening recorded as 4.4/3.9. Average relative humidity observed as 77%. Mean maximum time temperature recorded as 33.4°C & for the recent week 99.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.3/2.3 Knots.

**Peshawar**

Rainfall reported as 0.01 (trace) mm from Peshawar during the week; however, cloudiness in the morning/evening recorded as 4.4/4.7 Oktas while, average relative humidity observed as 71%. Mean maximum time temperature was recorded as 34.9°C & for the recent week 103.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/2.6 Knots.

**Kalam**

Rainfall reported as 31.51 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 4.6/6.6 Oktas while, average relative humidity observed as 62%. Mean maximum time temperature recorded as 23.2°C & for the recent week 23.4 growing degree days accumulated. Wind speed recorded in the morning/evening as calm.

**Gilgit**

Rainfall reported as 23.31 mm from Gilgit during the week, cloudiness in the morning/evening recorded as 6.7/7.0 Oktas while, average relative humidity observed as 76%. Mean maximum time temperature recorded as 26.9°C & for the recent week 51.1 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/0.6 Knots.

**Skardu**

Rainfall reported as 17.94 mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 4.9/6.6 Oktas while, average relative humidity observed as 62%. Mean maximum time temperature recorded as 25.1°C & for the recent week 35.8 growing degree days accumulated. Wind speed recorded in the morning/evening as calm.

**Crop Situation for Major Agricultural Plains  
(Based on data from Regional Agromet Centers)****Potohar Region (Rawalpindi)**

There is presently no crop grown in the fields of RAMC Rawalpindi.

**Central Punjab (Faisalabad)**

Cotton crop is in the fields of RAMC Faisalabad. Date of sowing 23-04-2024. Phonological Stage: Maturity. Condition: *Very Good*.

**Lower Sindh (Tandojam)**

Cotton crop is in the fields of RAMC Tandojam. Date of sowing 14-05-2024. Phonological Stage: Flowering. Condition: *Good*.

**Northern Baluchistan (Quetta)**

Wheat crop is sown in the fields of RAMC Quetta. Date of sowing 22-11-2023. Phonological Stage: Harvested.

**Eastern Baluchistan (Usta Muhammad)**

Rice crop is in the fields of RAMC Usta Muhammad. Date of sowing 01-06-2024. Phonological Stage: Third Leaf. Condition: *Good*.

**Actual & Departure of Maximum temperature (°C) for the Previous week (26<sup>th</sup> August – 01<sup>st</sup> September 2024)**

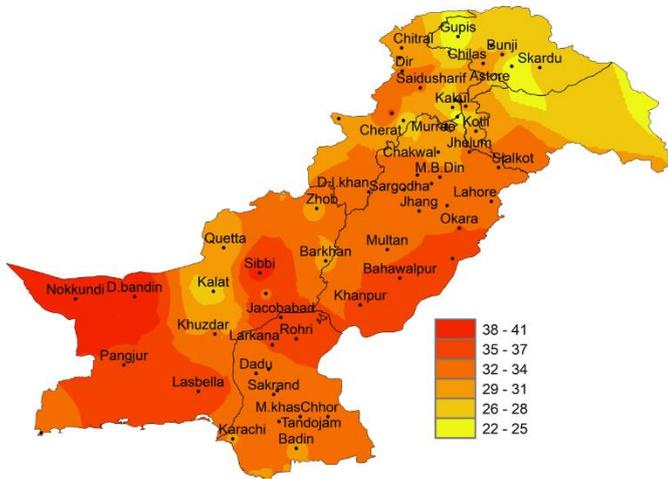


Figure 2: Actual Maximum temperature.

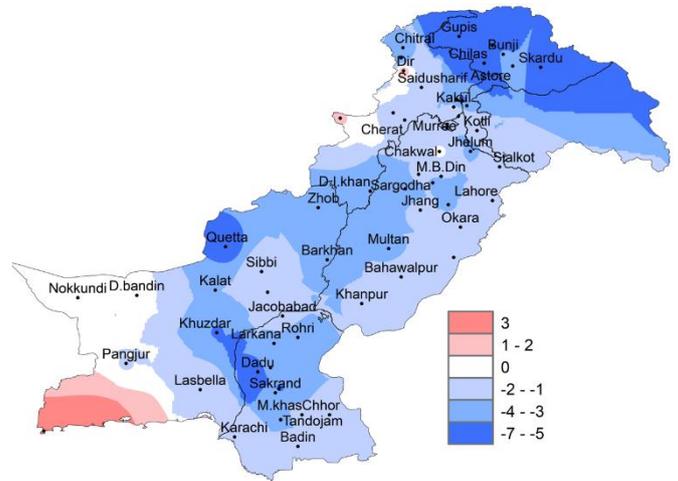


Figure 3: Departure of Maximum temperature.

**Actual & Departure of Mean temperature (°C) for the Previous week (26<sup>th</sup> August – 01<sup>st</sup> September 2024)**

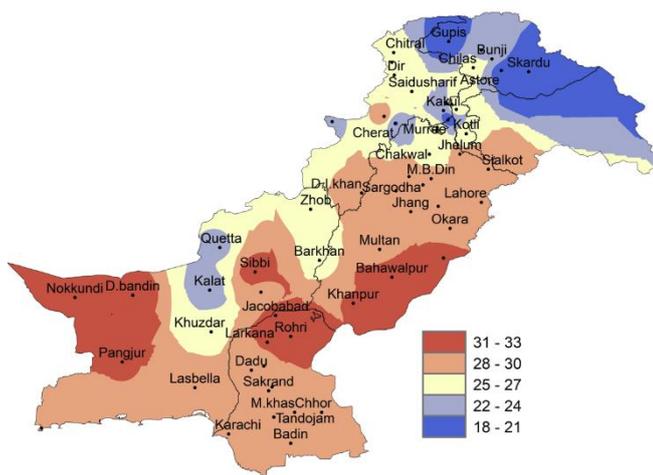


Figure 5: Actual Mean temperature.

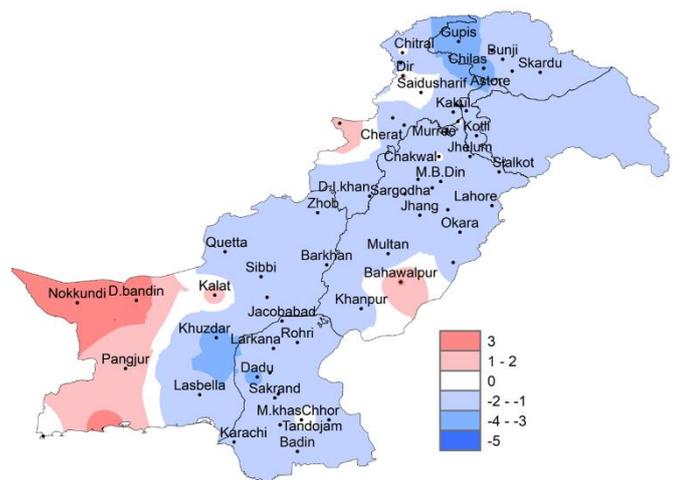


Figure 4: Departure of Mean temperature.

**Actual Minimum temperature (°C) during the Previous week (26<sup>th</sup> August – 01<sup>st</sup> September 2024)**

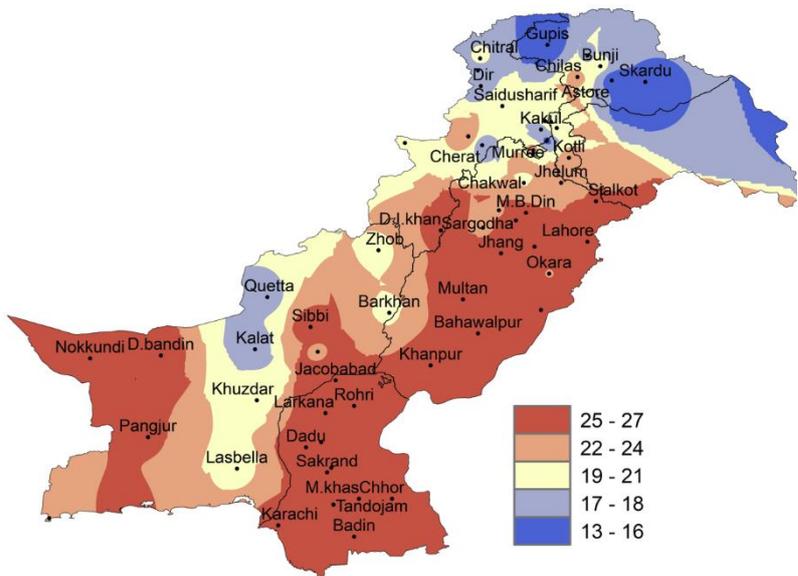


Figure 6: Actual Minimum temperature.

**Departure of Minimum temperature (°C) during the Previous week (26<sup>th</sup> August – 01<sup>st</sup> September 2024)**

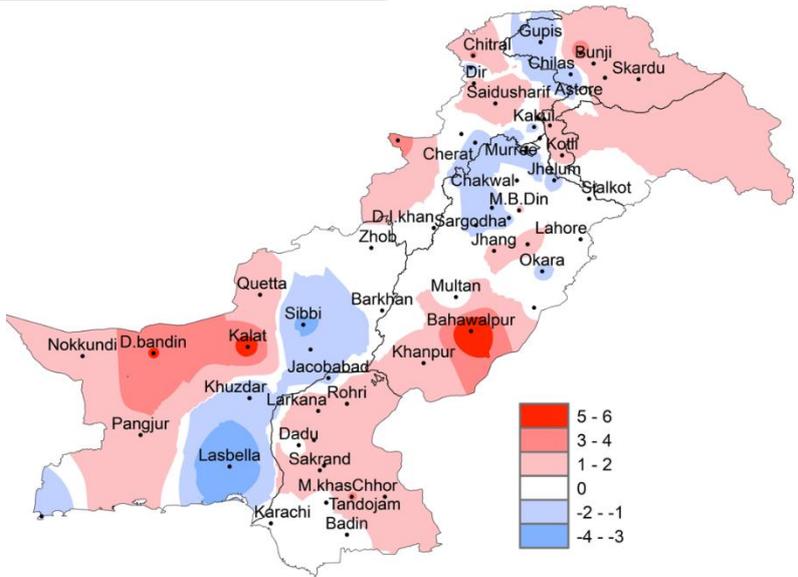


Figure 7: Departure of Minimum temperature.

**Mean Relative Humidity (%) during the  
Previous week (26<sup>th</sup> August – 01<sup>st</sup> September 2024)**

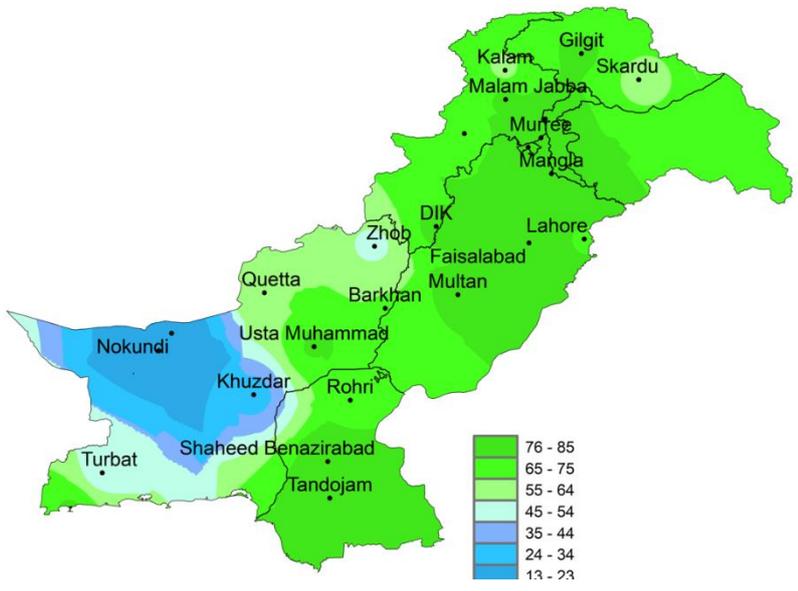


Figure 8: Relative Humidity

**Total Growing Degree Days accumulated during the  
Previous week (26<sup>th</sup> August – 01<sup>st</sup> September 2024)**

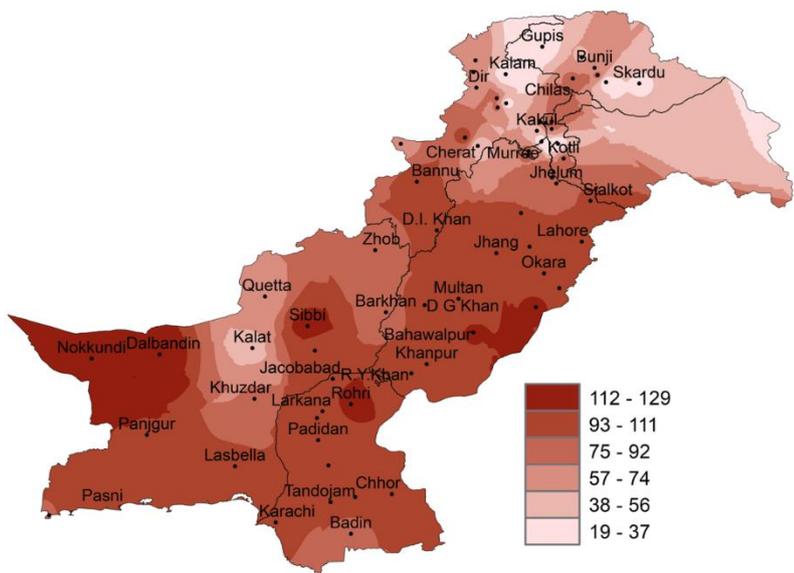


Figure 9: Growing Degree Days

Mean Cloudiness (Octas) at 0800PST during the Previous week (26<sup>th</sup> August – 01<sup>st</sup> September 2024)

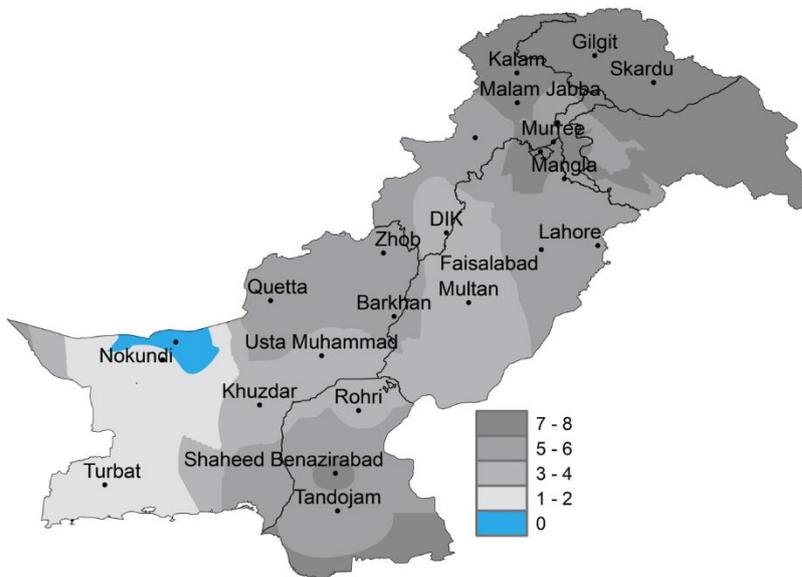


Figure 10: Mean Cloudiness at 0800

Mean Cloudiness (Octas) at 1700PST during the Previous week (26<sup>th</sup> August – 01<sup>st</sup> September 2024)

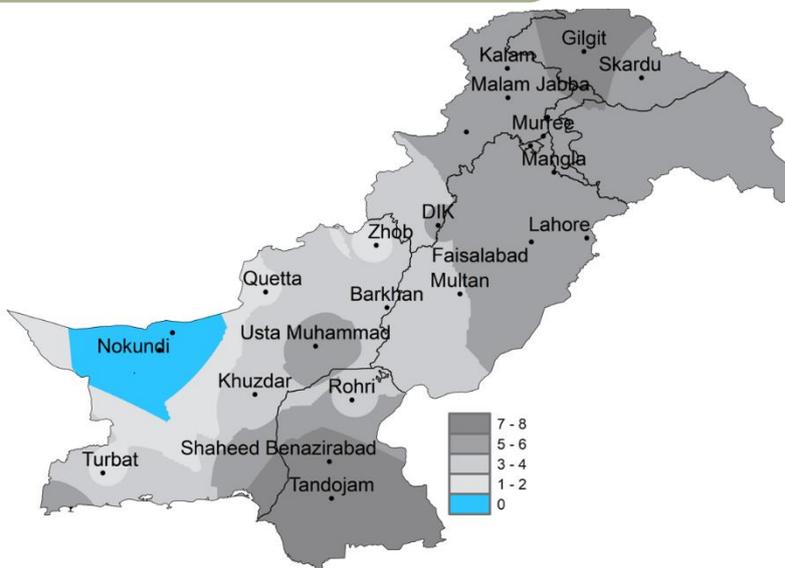


Figure 11: Mean Cloudiness at 1700

**Mean Wind Speed (Knots) at 0800PST during the  
Previous week (26<sup>th</sup> August – 01<sup>st</sup> September 2024)**

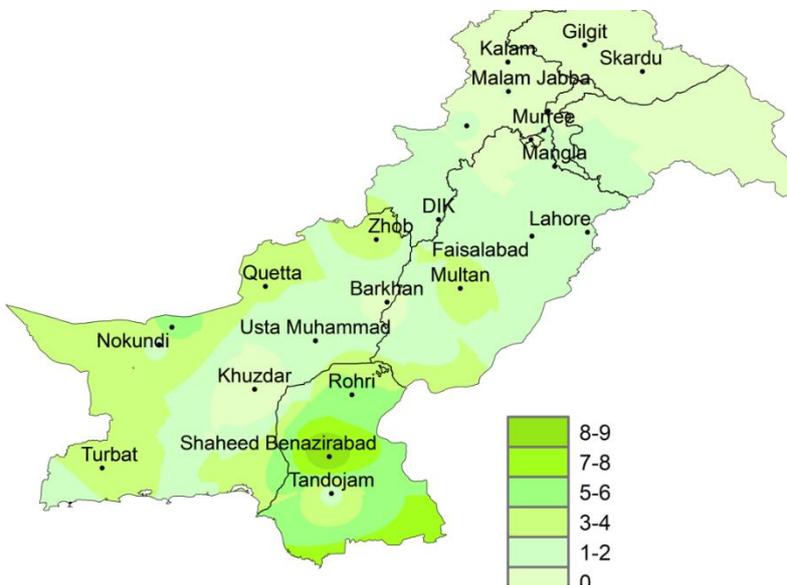


Figure 12: Mean Wind Speed 0300

**Mean Wind Speed (Knots) at 1700PST during the  
Previous week (26<sup>th</sup> August – 01<sup>st</sup> September 2024)**

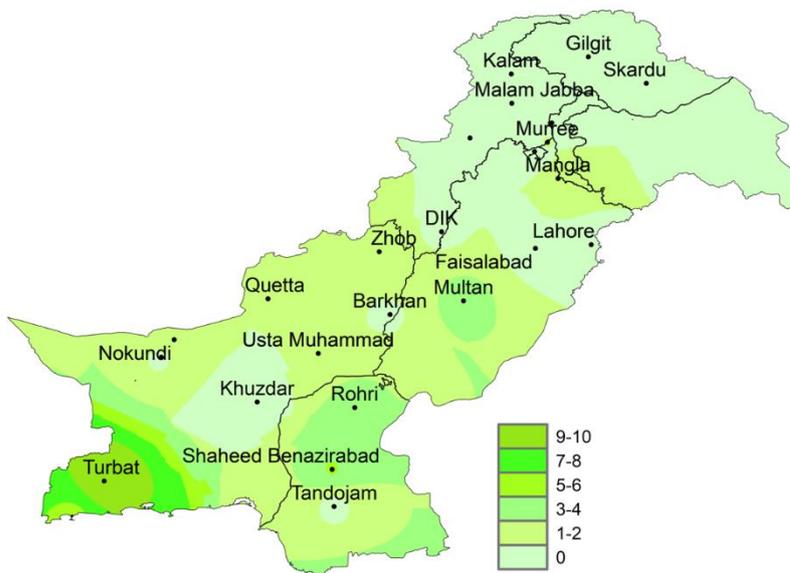
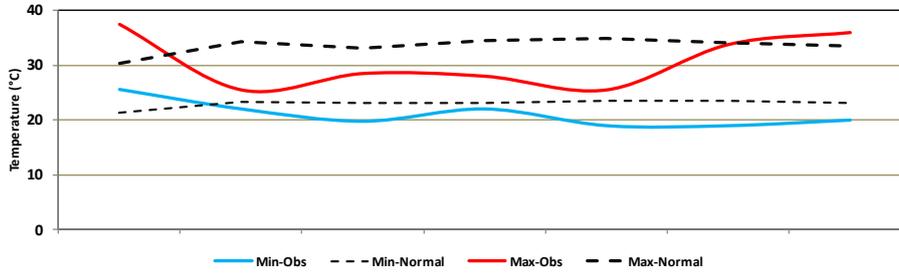


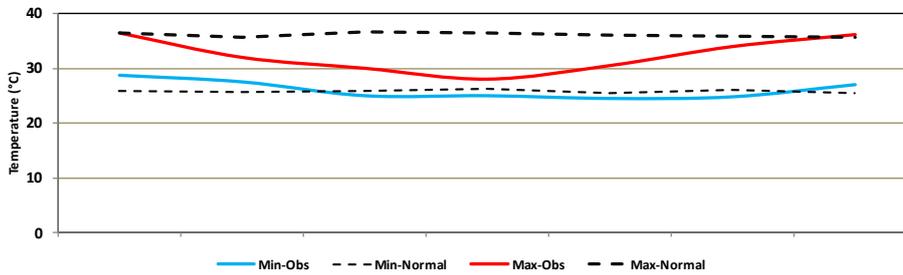
Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal) during the previous week (26<sup>th</sup> August – 01<sup>st</sup> September 2024)

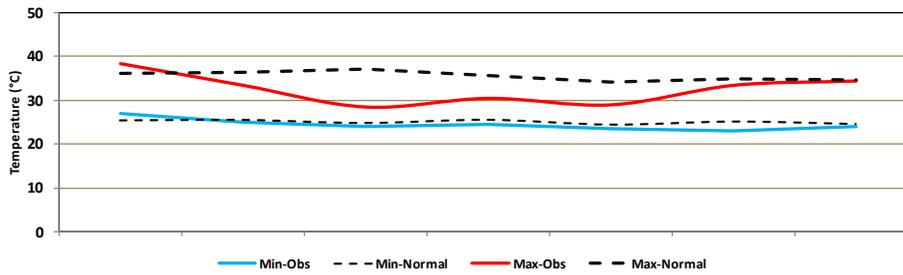
Rawalpindi (Min & Max Temperatures)



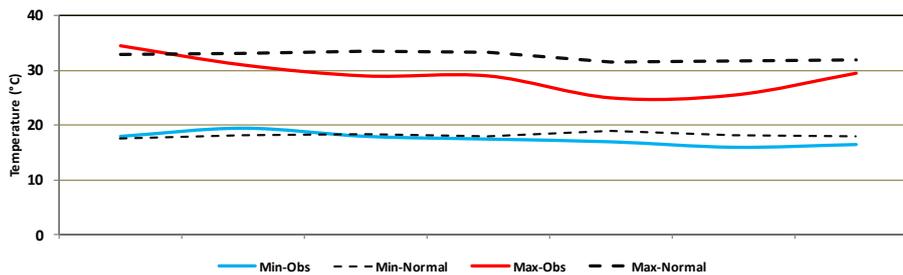
Faisalabad (Min & Max Temperatures)



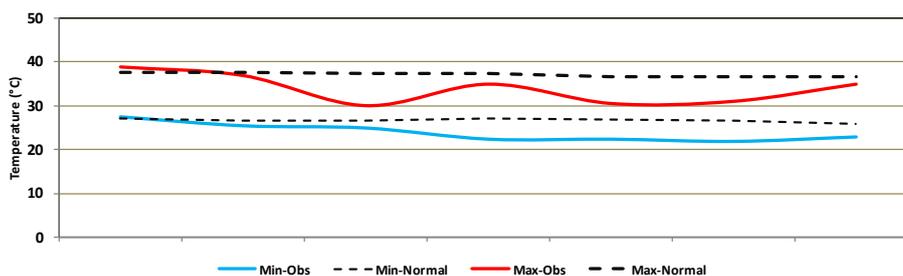
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



**Weekly Weather Advisory for Farmers****(02<sup>nd</sup> – 08<sup>th</sup> September 2024)**

Monsoon currents from Arabian sea and Bay of Bengal are penetrating upper and central parts of the country and likely to strengthen during (night). A westerly wave is also affecting upper parts of the country.

**MONDAY****02-09-2024**

Rain-wind/thundershower is likely in Gilgit-Baltistan, Kashmir, Khyber Pakhtunkhwa, Northeast/south Punjab, Pothohar region, Islamabad and Northeast/southeast Balochistan. Isolated heavyfalls may also occur in upper Khyber Pakhtunkhwa and Potohar region during evening/night. Hot and dry weather is expected in other parts of the country.

**TUESDAY****03-09-2024**

Hot and dry weather is expected in most parts of the country. Rain-wind/thundershower is likely in Kashmir, Gilgit-Baltistan, Khyber Pakhtunkhwa, Punjab, Pothohar region, Islamabad, Northeast/south Balochistan and upper/southeastern Sindh. Isolated heavyfalls may also occur in upper Khyber Pakhtunkhwa, Potohar region and central Punjab.

**WEDNESDAY****04-09-2024**

Mainly hot and dry weather is expected most parts of the country. However, rain-wind/thunderstorm is likely at isolated places in upper/southern Khyber-Pakhtunkhwa, Kashmir, Gilgit-Baltistan, southeastern/northeastern Balochistan and Sindh.

**THURSDAY****05-08-2024**

Mainly hot and dry weather is expected most parts of the country. However, rain-wind/thunderstorm is likely at isolated places in upper/south Khyber-Pakhtunkhwa, Kashmir and adjoining hilly areas.

**FRIDAY****06-09-2024**

Mainly hot and dry weather is expected most parts of the country. However, rain-wind/thunderstorm is likely at isolated places in upper Khyber-Pakhtunkhwa, Gilgit Baltistan, Kashmir, Islamabad, Potohar region and northeast Punjab.

**SATURDAY****07-09-2024**

Mainly hot and dry weather is expected most parts of the country. However, rain-wind/thunderstorm is

likely at isolated places in Khyber-Pakhtunkhwa, Gilgit Baltistan, Kashmir, Potohar region and upper Punjab.

**SUNDAY****08-09-2024**

Mainly hot and dry weather is expected most parts of the country.

**ADVISORY FOR FARMERS**

- The farmers may plan field activities according to the PMD weather forecast.

**National Weather Data of Selected Cities from (26<sup>th</sup> August – 01<sup>st</sup> September 2024)**

Stations	Maximum/Day Time Temperature (°C)		Growing Degree Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Oktas) 0800 PST	Cloudiness (Oktas) 1700 PST	Wind Speed (Knots) 0800 PST	Wind Speed (Knots) 1700 PST
	Mean	Highest							
D.I. Khan	33.4	39.5	99.5	77	39.5	4.4	3.9	2.3	2.3
Faisalabad	32.5	36.5	99.9	80	43.0	5.0	5.1	1.4	1.7
Gawadar	33.6	34.0	104.8	76	3.0	5.0	2.6	1.7	10.9
Gilgit	26.9	35.0	51.1	76	23.3	6.7	7.0	0.3	0.6
Kalam	23.2	26.5	23.4	62	31.5	4.6	6.6	0.0	0.0
Lahore	33.2	36.4	98.6	74	51.0	4.7	5.5	1.4	2.3
Malam Jabba	22.1	25.0	20.3	77	23.0	5.1	5.9	1.4	2.3
Mangla	31.6	37.5	90.5	85	182.5	4.6	5.3	2.3	4.9
Multan (PBO)	33.6	38.3	104.5	77	145.0	4.3	3.7	3.1	7.1
Murree	21.5	25.5	22.5	79	62.0	4.9	7.0	2.3	3.4
Muzaffarabad	29.3	36.4	72.1	81	181.0	5.3	4.7	0.0	0.3
Sh. Ben. Abad	34.2	39.0	104.6	80	50.2	6.6	5.9	8.0	8.9
Peshawar	34.9	39.4	103.3	71	0.0	4.4	4.7	1.4	2.6
Quetta	29.1	34.5	128.0	61	46.4	3.0	5.7	2.8	3.1
Rawalpindi	30.7	37.5	76.1	80	95.1	4.6	6.1	0.1	0.4
Rohri	34.6	38.0	112.0	71	22.0	4.0	4.3	4.3	7.1
Skardu	25.1	32.3	35.8	62	17.9	4.9	6.6	0.0	0.0
Tandojam	32.6	38.5	94.5	82	129.1	5.7	5.6	2.2	2.0
U.Muhammad	33.9	39.0	167.8	76	49.4	4.8	4.2	2.2	3.7
Zhob	31.0	34.5	77.5	52	13.0	2.9	5.4	3.1	4.4

\*\*\* Shows that data was not available.