

Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the Previous
Week (02nd – 08th September 2024)**

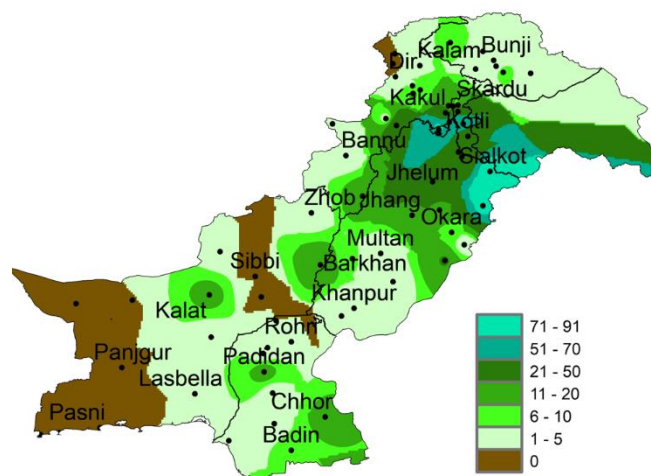


Figure 1: Rainfall.

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Highlights of Past Weather

(02nd – 08th September 2024)

- Light to moderate rain (isolated heavy rain from northwest & northeast Punjab) was reported from throughout the country during the previous week.
- Normal to above normal daily maximum temperatures were observed in most parts of the country whereas below normal in GB and isolated central parts of Punjab, southeastern Sindh and northeast & southeast Balochistan.
- Daily minimum temperatures were observed above normal in most parts of the country.
- Near 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 **(02nd – 08th September 2024)**

Punjab

Light to moderate rainfall (isolated heavy rain from northwest&northeast parts) was reported from the Province during the previous week. Weekly maximum and minimum temperatures recorded as 34.9°C & 25.4°C respectively. For the recent week on average 106.2 growing degree days were accumulated. Average relative humidity recorded as 76% and wind speed in the morning/evening recorded as 1.5/1.7 Knots. Maximum rainfall was reported as 91.00 mm from Sialkot. However, the highest maximum temperature was recorded as 40.0°C at Bhakkar.

Baluchistan

Light to moderate rainfall was reported from north&southeast parts of the province. Weekly maximum and minimum temperatures recorded as 34.3°C & 21.5°C respectively. For the recent week on average 90.3 growing degree days were accumulated. Average relative humidity recorded 45% and wind speed in the morning/evening recorded as 1.2/5.9 Knots. Maximum rainfall was reported as 18.00 mm from Barkhan. However, highest maximum temperature was recorded as 42.5°C at Sibbi.

Khyber Pakhtunkhwa

Light to moderate rainfall was reported from the province. Weekly maximum and minimum temperatures recorded as 32.1°C & 20.3°C respectively. For the recent week on average 78.4 growing degree days were accumulated. Average relative humidity recorded as 73% and wind speed in the morning/evening recorded as 0.6/1.6 Knots. Maximum rainfall was reported as 44.00 mm from Cherat. However, the highest maximum temperature recorded as 39.0°C at D. I. Khan.

Sindh

Light to moderate rainfall was reported from Sindh. Weekly maximum and minimum temperatures recorded as 36.0°C & 26.7°C respectively. For the recent week, on average 114.5 growing degree days

were accumulated. Average relative humidity recorded as 72% and wind speed in the morning/evening recorded as 2.6/3.3 Knots. Maximum rainfall was reported as 79.00 mm from Mithi. However, the highest maximum temperature recorded as 41.0°C at Dadu.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light rainfall was reported from Gilgit Baltistan and moderate rainfall from Kashmir during the previous week. Weekly maximum and minimum temperatures recorded as 29.5°C & 17.2°C respectively. For the recent week on average 58.6 growing degree days were accumulated. Average relative humidity recorded as 67%. and wind speed recorded in the morning/evening as 0.4/0.6. The highest rainfall was reported as 71.00 mm from Rawalakot. However, the highest maximum temperature recorded as 37.5°C at Chilas.

Past Weather for Major Agricultural Plains**(02nd – 08th September 2024)****Rawalpindi (Potohar region)**

Rainfall reported as 61.00 mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 4.3/3.9 Oktas, average relative humidity observed as 76%. Mean maximum time temperature was recorded as 34.1°C and for the recent week 90.2 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.3/0.8 Knots. The highest maximum temperature was recorded as 35.0°C.

Faisalabad (Central Punjab)

Rainfall reported as 16.40 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded 1.0/3.6 Oktas while, average relative humidity observed as 71%. Mean maximum time temperature recorded 35.3°C & for the recent week 108.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.6/1.7 Knots. The highest maximum temperature was recorded as 37.0°C.

Tandojam (Lower Sindh)

Dry weather reported from Tandojam during the week; however, cloudiness in the morning/evening recorded as 1.4/2.1 oktas while, average relative humidity observed as 79%. Mean maximum time temperature recorded as 34.4°C & for the recent week 101.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.2/2.0 Knots. The highest maximum temperature was recorded as 35.5°C.

Usta Muhammad (Eastern Baluchistan)

Dry weather reported from Usta Muhammad during the week; however, cloudiness in the morning/evening recorded as 1.7/1.1. Average relative humidity observed as 69%. Mean maximum time temperature recorded as 36.7°C & for the recent week 180.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/2.8 Knots. The highest maximum temperature was recorded as 37.5°C.

Quetta (Northern Baluchistan)

Dry weather reported from Quetta during the week; however, cloudiness in the morning/evening recorded as 0.7/2.0 Oktas while, average relative humidity observed as 37%. Mean maximum time temperature recorded as 32.3°C & for the recent week 136.5 growing degree days accumulated. Wind speed recorded in the morning/evening as

1.5/2.6 Knots. The highest maximum temperature was recorded as 33.0°C.

Past Weather for Sub-Regional Agricultural Plains (02nd – 08th September 2024)**Multan**

Rainfall reported as 1.00 mm from Multan during the week; however, cloudiness in the morning/evening recorded as 2.9/3.3 Oktas. Average relative humidity observed as 67%. Mean maximum time temperature recorded as 35.6°C & for the recent week 113.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.1/1.7 Knots.

Lahore

Rainfall reported as 77.80 mm from Lahore during the week; cloudiness in the morning/evening recorded as 3.1/5.6 Oktas, average relative humidity observed as 76%. Mean maximum time temperature recorded as 34.6°C & for the recent week 105.1 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/1.4 Knots.

Zhob

Dry weather reported from Zhob during the week; however, cloudiness in the morning/evening recorded as 1.1/2.9 Oktas. Average relative humidity observed as 48%. Mean maximum time temperature recorded as 34.3 °C & for the recent week 90.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.3/3.4 Knots.

Murree

Rainfall reported as 65.01 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 4.7/7.7 Oktas while, average relative humidity observed as 86%. Mean maximum time temperature recorded as 22.6°C & for the recent week 29.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/2.0 Knots.

D.I. Khan

Rainfall reported as 16.81 mm from D.I. Khan during the week; however, cloudiness observed in the morning/evening recorded as 4.1/2.1. Average relative humidity observed as 74%. Mean maximum time temperature recorded as 36.4°C & for the recent week 111.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/1.1 Knots.

Peshawar

Rainfall reported as 1.01 mm from Peshawar during the week; however, cloudiness in the morning/evening recorded as 4.3/2.7 Oktas while, average relative humidity observed as 71%. Mean maximum time temperature was recorded as 35.9°C & for the recent week 106.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/1.7 Knots.

Kalam

Rainfall reported as 4.00 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 0.4/5.9 Oktas while, average relative humidity observed as 57%. Mean maximum time temperature recorded as 24.4°C & for the recent week 24.4 growing degree days accumulated. Wind speed recorded in the morning/evening as calm.

Gilgit

Rainfall reported as 4.30 mm from Gilgit during the week, cloudiness in the morning/evening recorded as 4.1/4.6 Oktas while, average relative humidity observed as 64%. Mean maximum time temperature recorded as 30.4°C & for the recent week 57.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/2.0 Knots.

Skardu

Rainfall reported as 0.92 mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 4.0/5.9 Oktas while, average relative humidity observed as 57%. Mean maximum time temperature recorded as 25.3°C & for the recent week 30.8 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: Boll opening started. 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: Tillering. Condition: *Good*.

Actual & Departure of Maximum temperature (°C) for the Previous week (02nd – 08th September 2024)

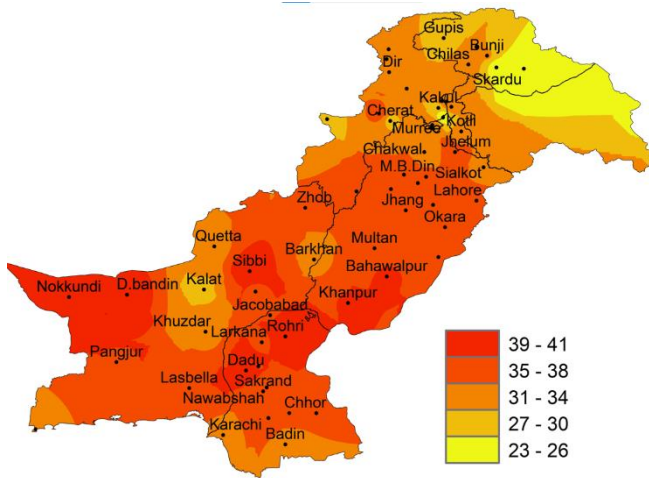


Figure 2: Actual Maximum temperature.

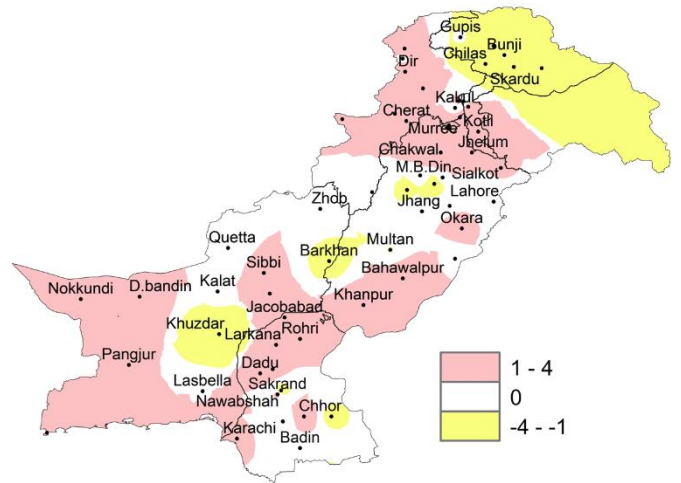


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (02nd – 08th September 2024)

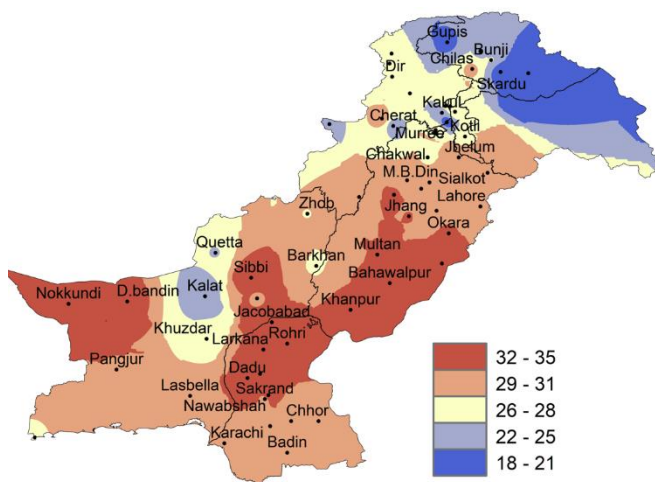


Figure 5: Actual Mean temperature.

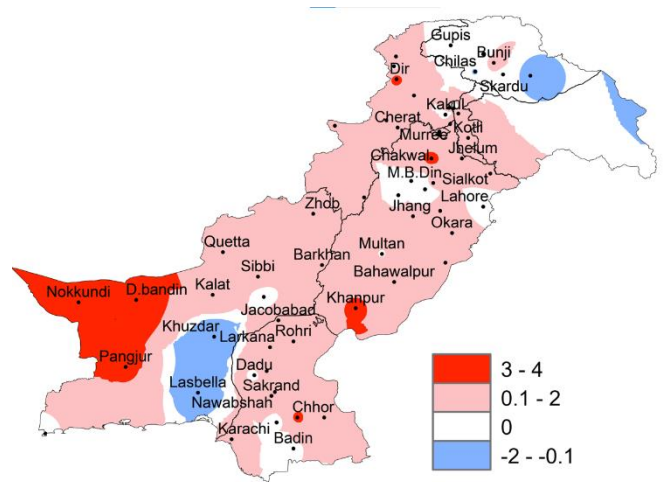


Figure 4: Departure of Mean temperature.

Actual Minimum temperature (°C) during the Previous week (02nd – 08th September 2024)

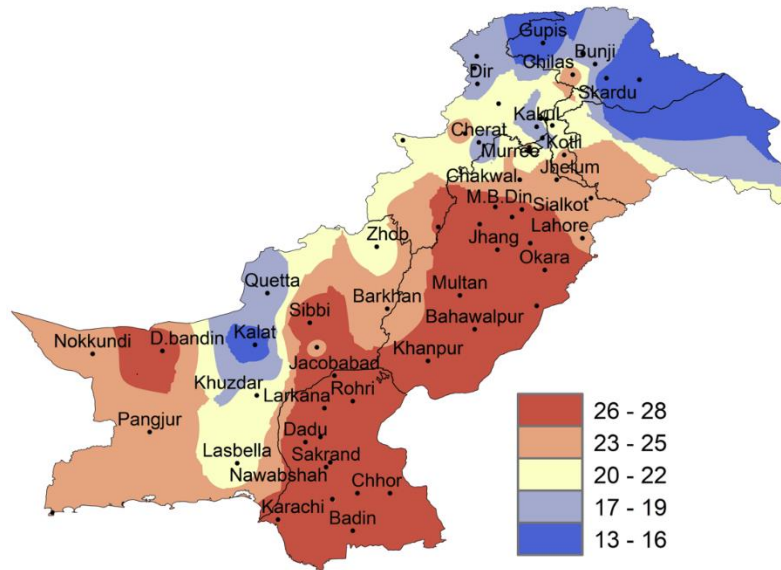


Figure 6: Actual Minimum temperature.

Departure of Minimum temperature (°C) during the Previous week (02nd – 08th September 2024)

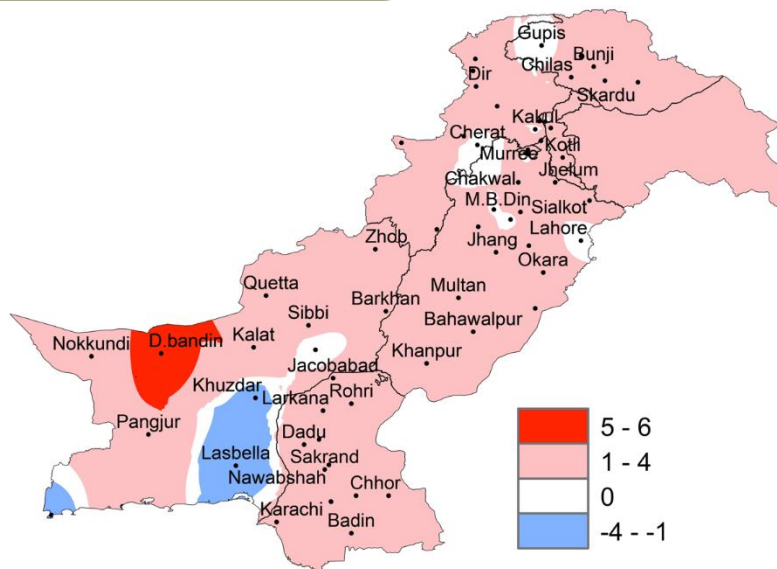


Figure 7: Departure of Minimum temperature.

Mean Relative Humidity (%) during the Previous week (02nd – 08th September 2024)

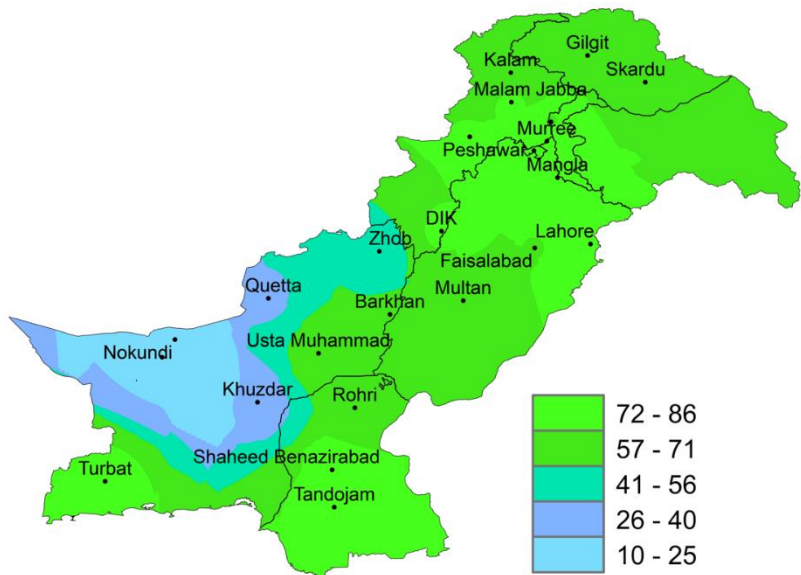


Figure 8: Relative Humidity

Total Growing Degree Days accumulated during the Previous week (02nd – 08th September 2024)

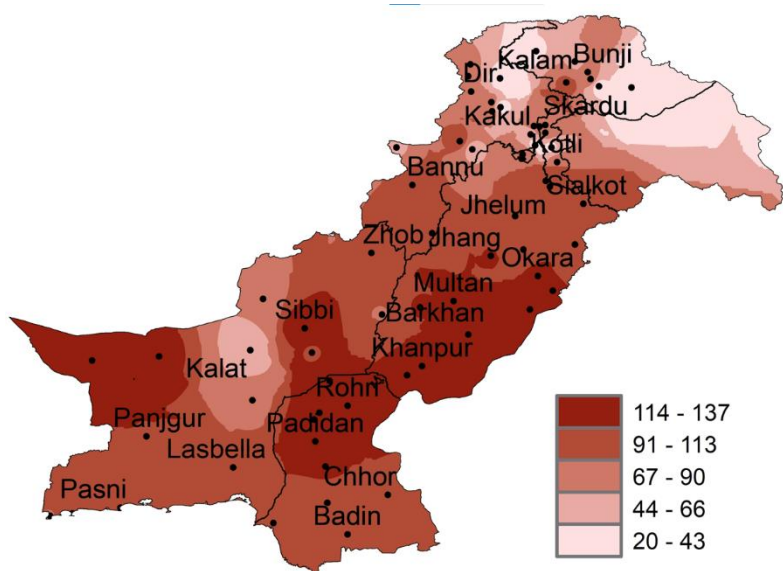


Figure 9: Growing Degree Days

Mean Cloudiness (Octas) at 0800PST during the Previous week (02nd – 08th September 2024)

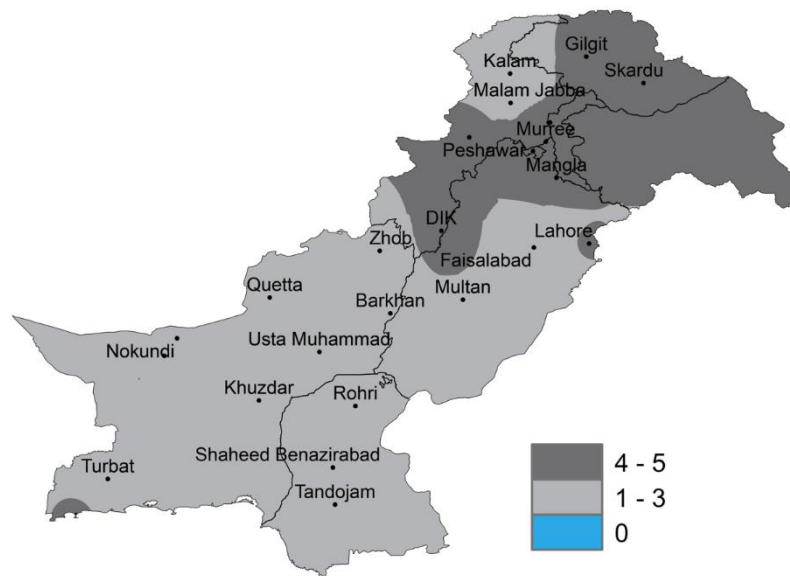


Figure 10: Mean Cloudiness at 0800

Mean Cloudiness (Octas) at 1700PST during the Previous week (02nd – 08th September 2024)

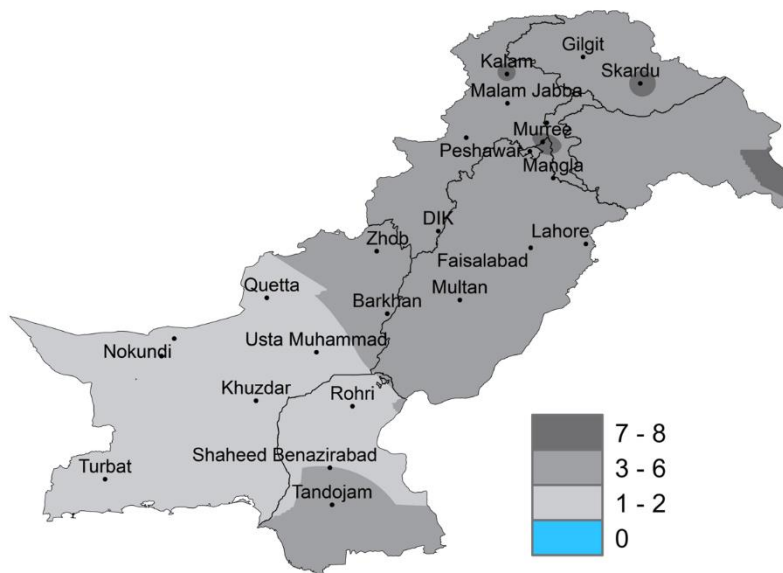


Figure 11: Mean Cloudiness at 1700

**Mean Wind Speed (Knots) at 0800PST during the
Previous week (02nd – 08th September 2024)**

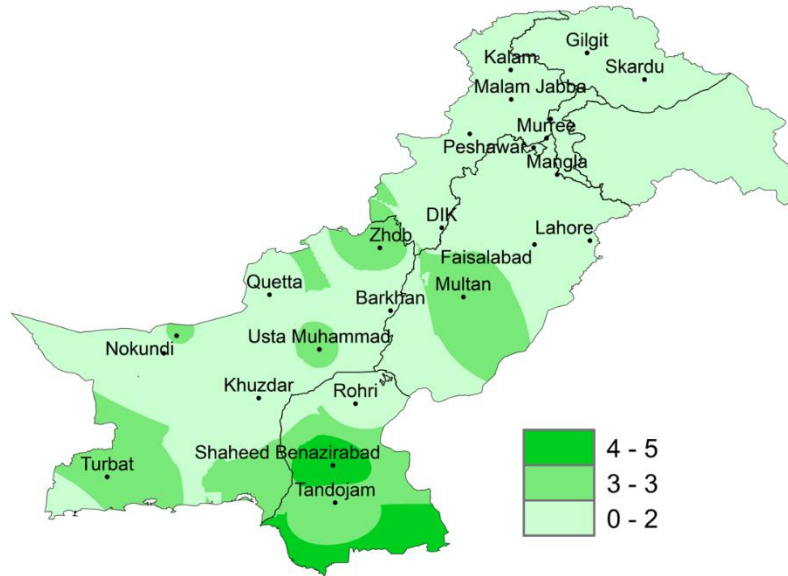


Figure 12: Mean Wind Speed 0300

**Mean Wind Speed (Knots) at 1700PST during the
Previous week (02nd – 08th September 2024)**

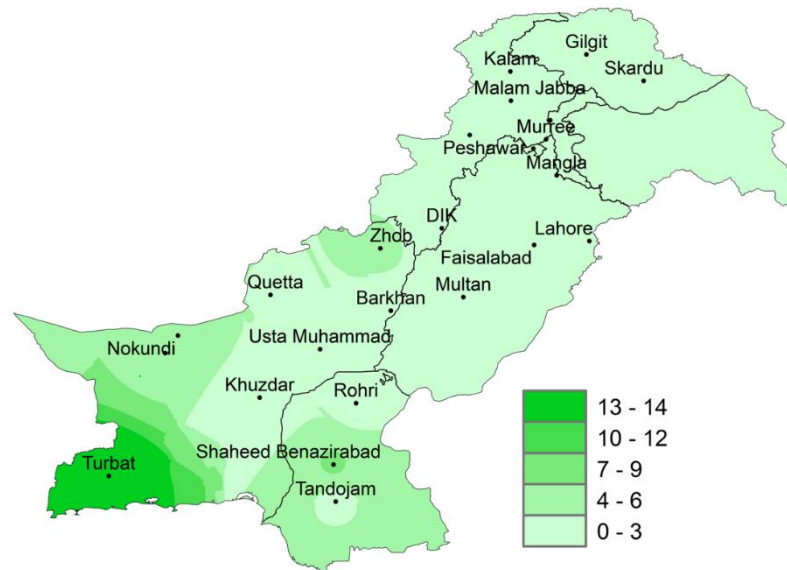
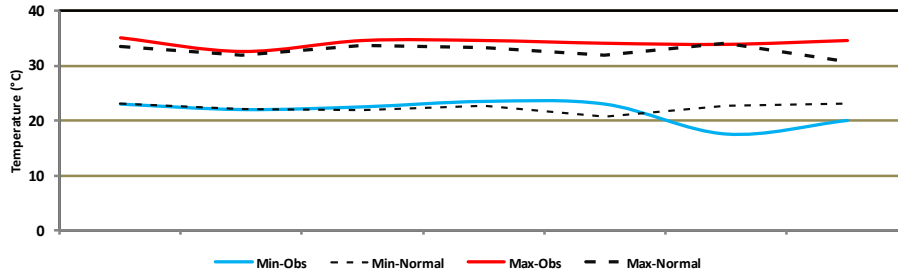


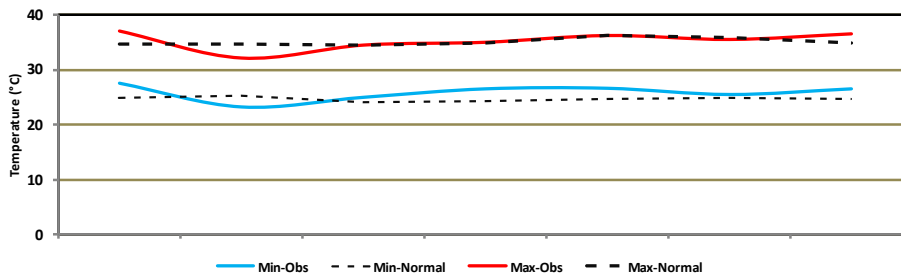
Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal) during the previous week (02nd – 08th September 2024)

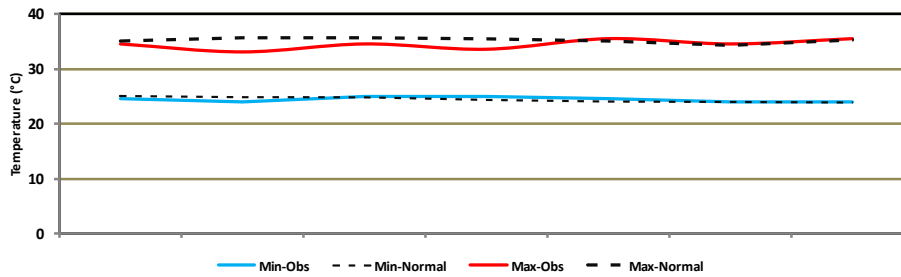
Rawalpindi (Min & Max Temperatures)



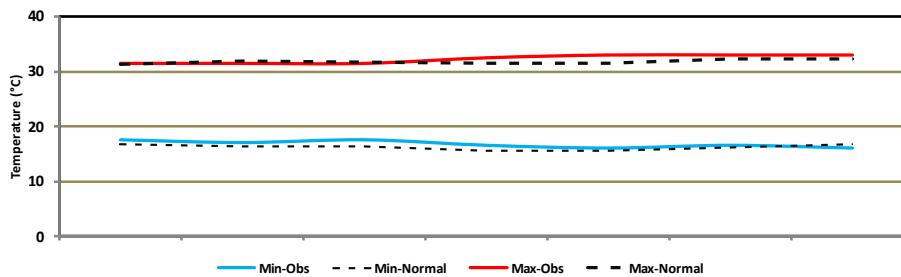
Faisalabad (Min & Max Temperatures)



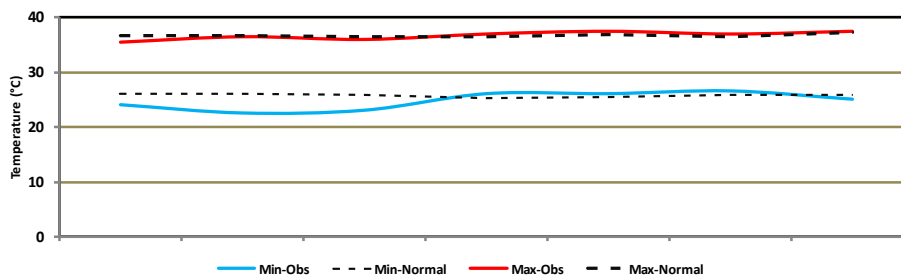
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**(09th – 15th September 2024)**

Continental air is prevailing over most parts of the country.

TUESDAY**10-09-2024**

Mainly hot and dry weather is expected in most parts of the country. However, partly cloudy weather with rain-wind/thunderstorm is likely at isolated places in Gilgit-Baltistan and upper Khyber-Pakhtunkhwa during evening/night.

WEDNESDAY**11-09-2024**

Mainly hot and dry weather is expected in most parts of the country. However, partly cloudy weather with rain-wind/thunderstorm is likely at isolated places in Gilgit-Baltistan and upper Khyber-Pakhtunkhwa.

THURSDAY**12-08-2024**

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

FRIDAY**13-09-2024**

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

SATURDAY**14-09-2024**

Mainly hot and dry weather is expected in most parts of the country. However, rain-wind/thunderstorm is likely in Khyber-Pakhtunkhwa, Islamabad, central Punjab, Potohar region, Kashmir, Gilgit Baltistan north Balochistan. Heavy showers are likely in north Balochistan.

SUNDAY**15-09-2024**

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

MONDAY**16-09-2024**

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

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (02nd – 09th 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	36.4	39.0	111.3	74	16.8	4.1	2.1	1.1	1.1
Faisalabad	35.3	37.0	108.9	71	16.4	1.0	3.6	0.6	1.7
Gawadar	33.7	34.5	104.8	75	0.0	3.1	0.6	0.9	12.0
Gilgit	30.4	34.0	57.5	64	4.3	4.1	4.6	0.0	2.0
Kalam	24.4	25.5	24.4	57	4.0	0.4	5.9	0.0	0.0
Lahore	34.6	36.5	105.1	76	33.0	3.1	5.6	0.3	1.4
Malam Jabba	21.9	23.5	18.2	73	9.0	2.6	5.3	0.0	0.6
Mangla	34.5	35.5	101.4	76	23.4	3.7	3.3	1.7	0.6
Multan (PBO)	35.6	37.5	113.7	67	1.0	2.9	3.3	3.1	1.7
Murree	22.6	24.0	29.3	86	65.0	4.7	7.7	1.1	2.0
Muzaffarabad	33.4	36.3	82.0	70	14.0	3.9	3.3	0.0	0.0
Sh. Ben. Abad	37.0	38.0	116.6	74	1.0	2.0	2.0	5.1	6.3
Peshawar	35.9	37.0	106.4	71	1.0	4.3	2.7	1.4	1.7
Quetta	32.3	33.0	136.5	37	0.0	0.7	2.0	1.5	2.6
Rawalpindi	34.1	35.0	90.2	76	61.0	4.3	3.9	0.3	0.8
Rohri	38.4	40.5	128.3	64	0.0	0.4	1.7	0.6	1.7
Skardu	25.3	28.6	30.8	57	0.9	4.0	5.9	0.0	0.0
Tandojam	34.4	35.5	101.0	79	0.0	1.4	2.1	2.2	2.0
U.Muhammad	36.7	37.5	180.0	69	0.0	1.7	1.1	2.0	2.8
Zhob	34.3	35.5	90.3	48	0.0	1.1	2.9	2.3	3.4

*** Shows that data was not available.