

Weekly Weather and Crop Bulletin for Pakistan

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Rainfall Distribution (mm) during the Previous Week (07th – 13th October 2024)

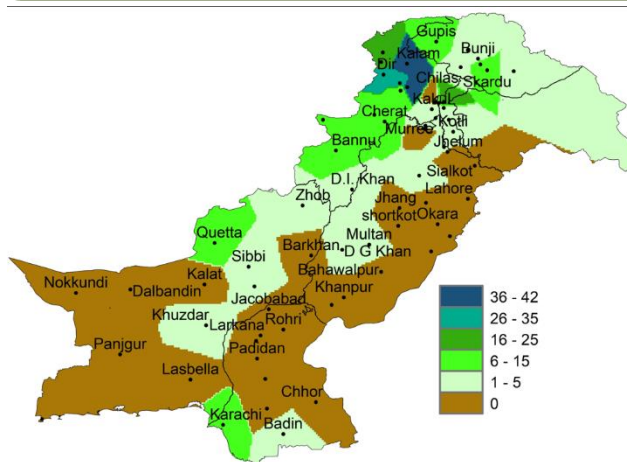


Figure 1: Rainfall.

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Highlights of Past Weather (07th – 13th October 2024)

- Light to moderate rain was reported from throughout the country while hot & dry weather remained in eastern parts of Punjab, Sindh and southern parts of Balochistan during the previous week.
- Above normal daily maximum temperatures were observed in most parts of the country whereas normal to below normal in some parts of Balochistan and upper KPK.
- Normal to above normal daily minimum temperatures were observed in most parts of the country whereas normal to below normal was reported from some parts of Balochistan and upper KPK.
- Normal to above normal mean daily temperatures were observed in most parts of the country whereas normal to below normal in eastern parts of Balochistan, upper KPK and GB.

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

Editor: Irshad Ali (Assistant Meteorologist)

Past Weather of Provinces **(07th – 13th October 2024)**

Punjab

Light rainfall was reported from western parts of the province during the previous week. Weekly maximum and minimum temperatures recorded as 34.1°C & 20.3°C respectively. For the recent week on average 85.4 growing degree days were accumulated. Average relative humidity recorded as 56% and wind speed in the morning/evening recorded as 0.9/2.2 Knots. Maximum rainfall was reported as 2.00 mm from Dera Ghazi Khan. However, the highest maximum temperature was recorded as 39.0°C at Rahimyar Khan.

Baluchistan

Light rainfall was reported from north and southeastern parts of the province during the previous week. Weekly maximum and minimum temperatures recorded as 28.7°C & 16.1°C respectively. For the recent week on average 52.0 growing degree days were accumulated. Average relative humidity recorded 37% and wind speed in the morning/evening recorded as 0.6/4.9 Knots. Maximum rainfall was reported as 8.80 mm from Quetta. However, highest maximum temperature was recorded as 40.5°C at Turbat.

Khyber Pakhtunkhwa

Light to moderate rainfall was reported from the province during the previous week. Weekly maximum and minimum temperatures recorded as 28.1°C & 13.7°C respectively. For the recent week on average 42.4 growing degree days were accumulated. Average relative humidity recorded as 65% and wind speed in the morning/evening recorded as 1.3/1.9 Knots. Maximum rainfall was reported as 42.00 mm from Kalam. However, the highest maximum temperature recorded as 37.0°C at Dera Ismail Khan.

Sindh

Light rainfall was reported from southern parts of the province during the previous week. Weekly maximum and minimum temperatures recorded as 37.2°C & 24.5°C respectively. For the recent week,

on average 110.9 growing degree days were accumulated. Average relative humidity recorded as 62% and wind speed in the morning/evening recorded as 1.4/3.1 Knots. The highest maximum temperature recorded as 40.5°C at Shaheed Benazirabad.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light rainfall was reported from Gilgit Baltistan and Kashmir during the previous week. Weekly maximum and minimum temperatures recorded as 25.2°C & 11.1°C respectively. For the recent week on average 25.5 growing degree days were accumulated. Average relative humidity recorded as 61%. and wind speed recorded in the morning/evening as 0.1/0.7. The highest rainfall was reported as 7.40 mm from Astore. However, the highest maximum temperature recorded as 32.8°C at Kotli.

Past Weather for Major Agricultural Plains**(07th – 13th October 2024)****Rawalpindi (Potohar region)**

Dry weather reported from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 1.4/1.0 Oktas, average relative humidity observed as 64%. Mean maximum time temperature was recorded as 32.5°C and for the recent week 62.5 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.3/0.4 Knots. The highest maximum temperature was recorded as 33.5°C.

Faisalabad (Central Punjab)

Dry weather reported from Faisalabad during the week; however, cloudiness in the morning/evening recorded 0.6/0.6 Oktas while, average relative humidity observed as 64%. Mean maximum time temperature recorded 34.5°C & for the recent week 89.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.6/1.1 Knots. The highest maximum temperature was recorded as 35.2°C.

Tandojam (Lower Sindh)

Dry weather reported from Tandojam during the week; however, cloudiness in the morning/evening recorded as 0.6/0.6 Oktas while, average relative humidity observed as 65%. Mean maximum time temperature recorded as 37.4°C & for the recent week 104.1 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.2/0.8 Knots. The highest maximum temperature was recorded as 38.0°C.

Usta Muhammad (Eastern Baluchistan)

Rainfall reported as 0.01 (trace) mm from Usta Muhammad during the week; however, cloudiness in the morning/evening recorded as 0.7/1.8 Oktas. Average relative humidity observed as 68%. Mean maximum time temperature recorded as 34.3°C & for the recent week 157.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/3.1 Knots. The highest maximum temperature was recorded as 35.5°C.

Quetta (Northern Baluchistan)

Rainfall reported as 3.40 mm from Quetta during the week; however, cloudiness in the morning/evening recorded as 1.1/0.8 Oktas while, average relative humidity observed as 35%. Mean maximum time temperature recorded as 25.0°C & for the recent week 88.3 growing degree days accumulated. Wind speed recorded in the

morning/evening as 2.1/2.6 Knots. The highest maximum temperature was recorded as 27.0°C.

Past Weather for Sub-Regional Agricultural Plains (07th – 13th October 2024)**Multan**

Rainfall reported as 0.01 (trace) mm from Multan during the week; however, cloudiness in the morning/evening recorded as 1.2/0.7 Oktas. Average relative humidity observed as 51%. Mean maximum time temperature recorded as 35.6°C & for the recent week 101.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.7/3.7 Knots.

Lahore

Dry weather reported from Lahore during the week; cloudiness in the morning/evening recorded as 1.0/1.3 Oktas, average relative humidity observed as 56%. Mean maximum time temperature recorded as 33.7°C & for the recent week 89.2 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/2.0 Knots.

Zhob

Rainfall reported as 4.01 mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 0.0/0.5 Oktas. Average relative humidity observed as 37%. Mean maximum time temperature recorded as 28.7 °C & for the recent week 21.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.7/1.3 Knots.

Murree

Rainfall reported as 0.02 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 1.3/2.2 Oktas while, average relative humidity observed as 60%. Mean maximum time temperature recorded as 21.8°C & for the recent week 12.2 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/1.0 Knots.

D.I. Khan

Rainfall reported as 0.01 (trace) mm from D.I. Khan during the week; however, cloudiness in the morning/evening recorded as 1.0/0.0. Average relative humidity observed as 61%. Mean maximum time temperature recorded as 35.4°C & for the recent week 94.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.3/1.3 Knots.

Peshawar

Rainfall reported as 12.00 mm from Peshawar during the week; however, cloudiness in the morning/evening recorded as 1.3/1.3 Oktas while, average relative humidity observed as 69%. Mean maximum time temperature was recorded as 32.6°C & for the recent week 72.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/2.0 Knots.

Kalam

Rainfall reported as 42.00 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 3.0/3.2 Oktas while, average relative humidity observed as 47%. Mean maximum time temperature recorded as 19.7°. Wind speed recorded in the morning/evening as calm.

Gilgit

Rainfall reported as 3.61 mm from Gilgit during the week, cloudiness in the morning/evening recorded as 2.5/3.5 Oktas while, average relative humidity observed as 68%. Mean maximum time temperature recorded as 26.1°C & for the recent week 19.0 growing degree days accumulated. Wind speed recorded in the morning/evening as calm.

Skardu

Rainfall reported as 0.01 (trace) mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 2.2/3.2 Oktas while, average relative humidity observed as 47%. Mean maximum time temperature recorded as 21.4°C. Wind speed recorded in the morning/evening as 0.0/0.5 Knots.

**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 crops are sown in the fields of RAMC Faisalabad. Date of sowing 23-04-2024. Phonological Stage: First Picking. Condition: *Very Good*.

Lower Sindh (Tandojam)

Cotton crops are sown in the fields of RAMC Tandojam. Date of sowing 14-05-2024. Phonological Stage: Fourth Picking. Condition: *Good*.

Northern Baluchistan (Quetta)

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

Eastern Baluchistan (Usta Muhammad)

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

Actual & Departure of Maximum temperature (°C) for the Previous week (07th – 13th October 2024)

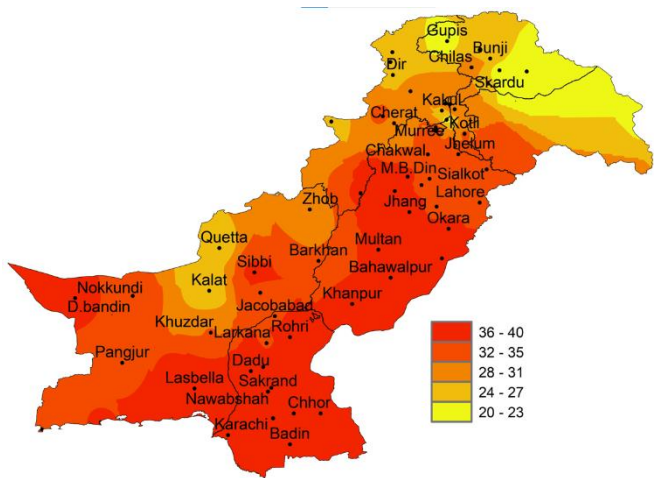


Figure 2: Actual Maximum temperature.

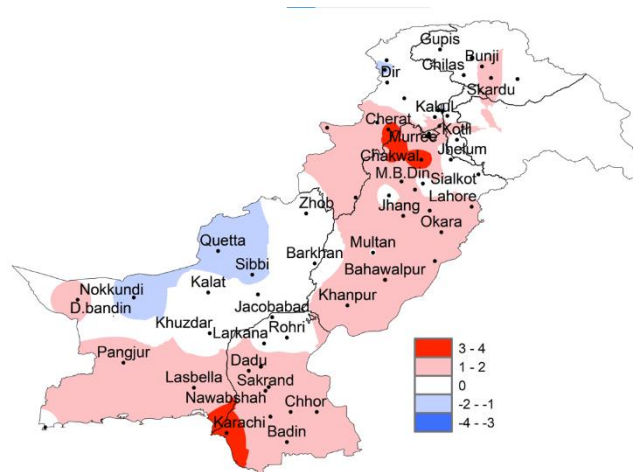


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (07th – 13th October 2024)

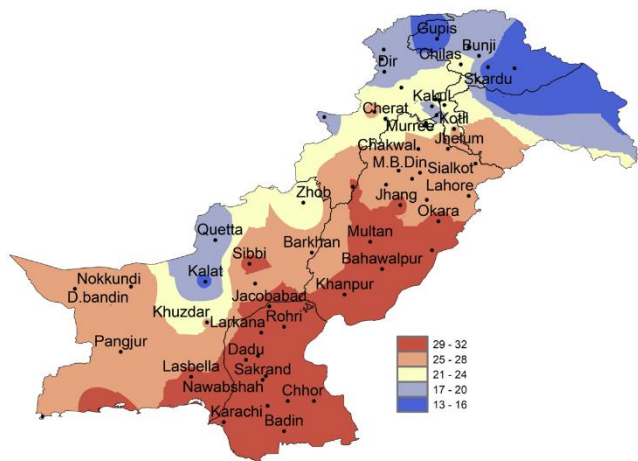


Figure 5: Actual Mean temperature.

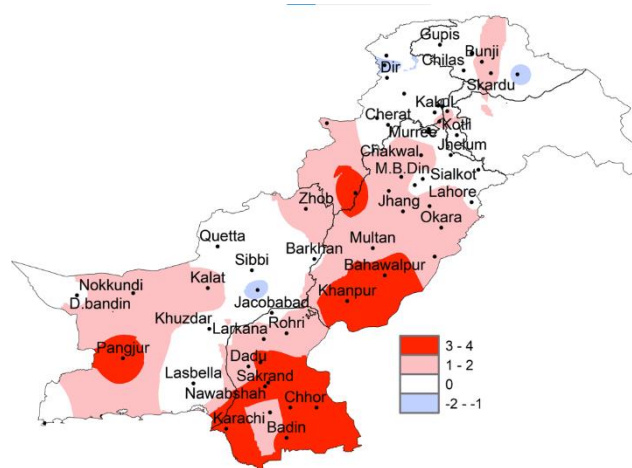


Figure 4: Departure of Mean temperature.

Actual Minimum temperature (°C) during the Previous week (07th – 13th October 2024)

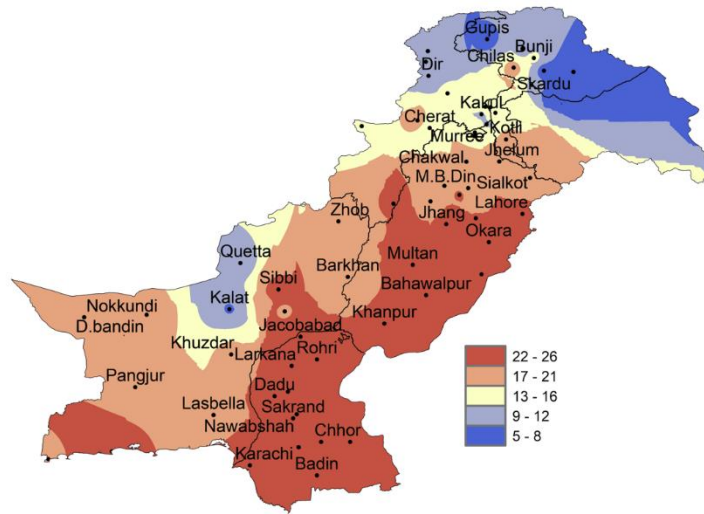


Figure 6: Actual Minimum temperature.

Departure of Minimum temperature (°C) during the Previous week (07th – 13th October 2024)

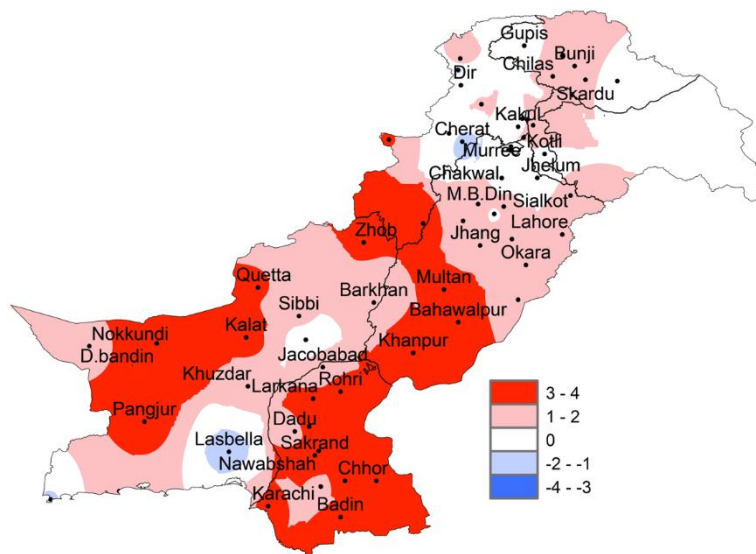


Figure 7: Departure of Minimum temperature.

Mean Relative Humidity (%) during the Previous week (07th – 13th October 2024)

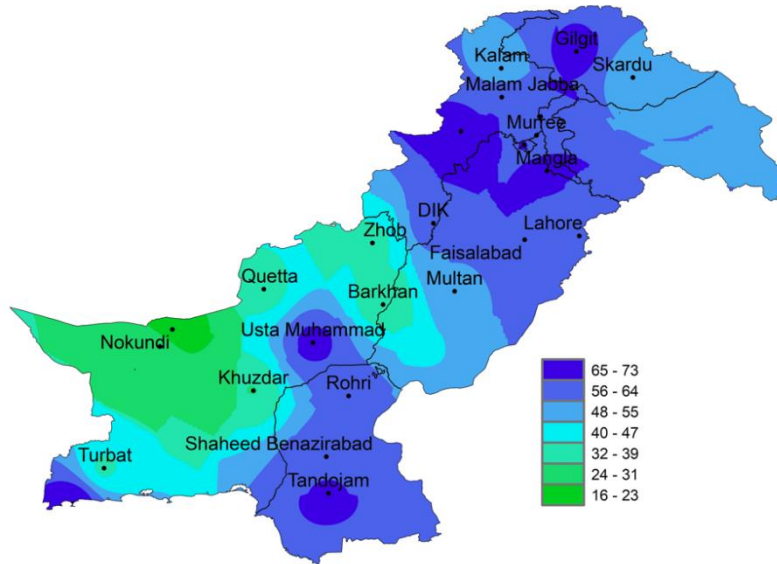


Figure 8: Relative Humidity

Total Growing Degree Days accumulated during the Previous week (07th – 13th October 2024)

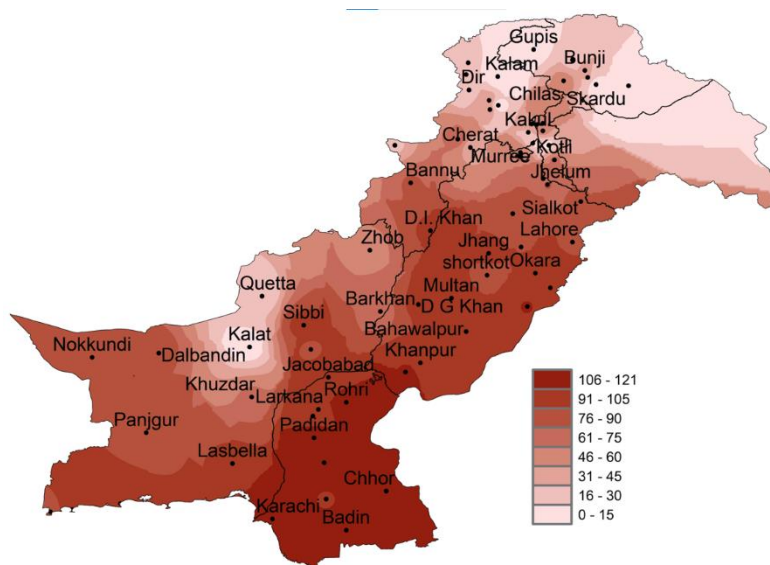


Figure 9: Growing Degree Days

**Mean Cloudiness (Octas) at 0800PST during the
Previous week (07th – 13th October 2024)**

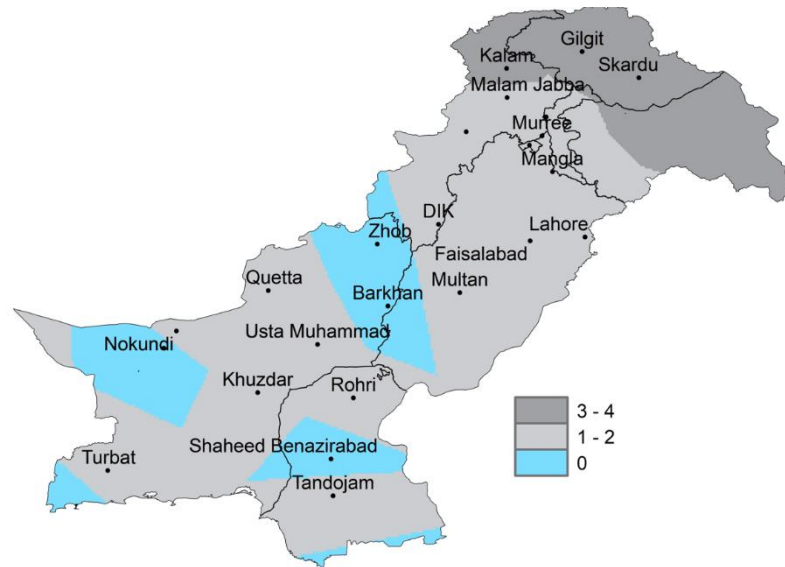


Figure 10: Mean Cloudiness at 0800

**Mean Cloudiness (Octas) at 1700PST during the
Previous week (07th – 13th October 2024)**

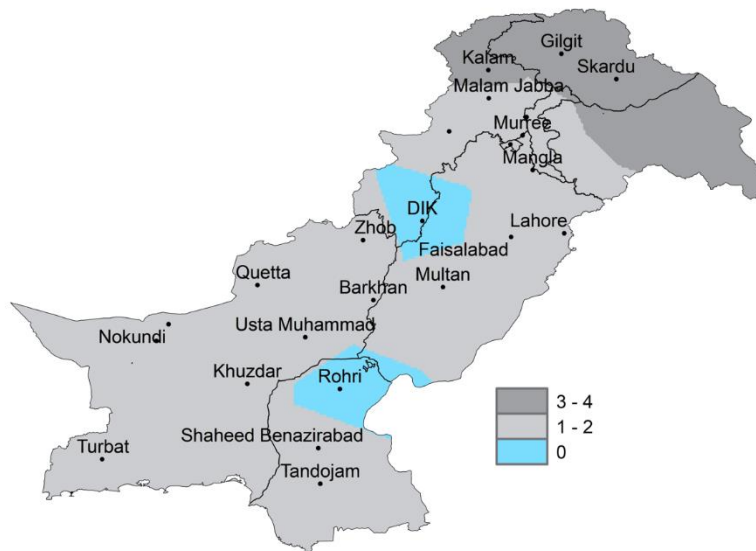


Figure 11: Mean Cloudiness at 1700

**Mean Wind Speed (Knots) at 0800PST during the
Previous week (07th – 13th October 2024)**

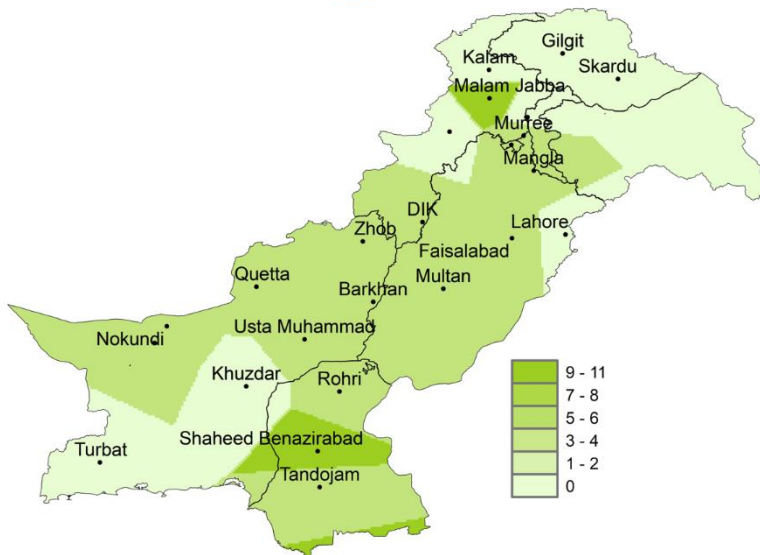


Figure 12: Mean Wind Speed 0300

**Mean Wind Speed (Knots) at 1700PST during the
Previous week (07th – 13th October 2024)**

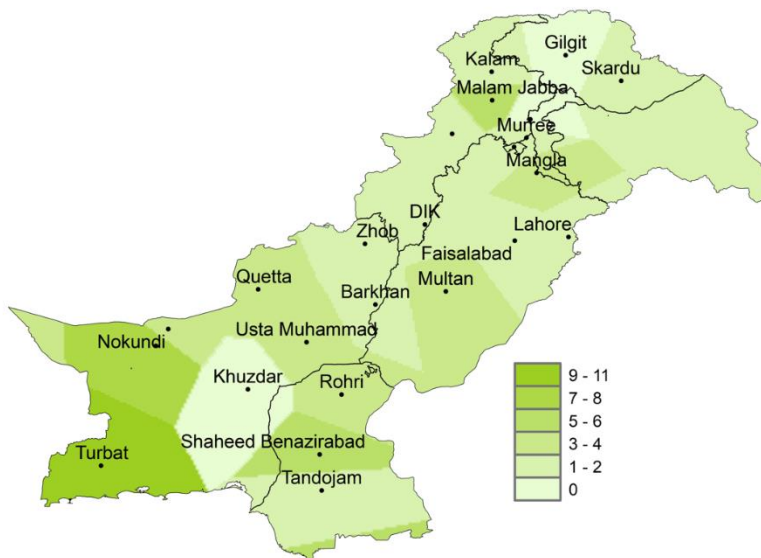
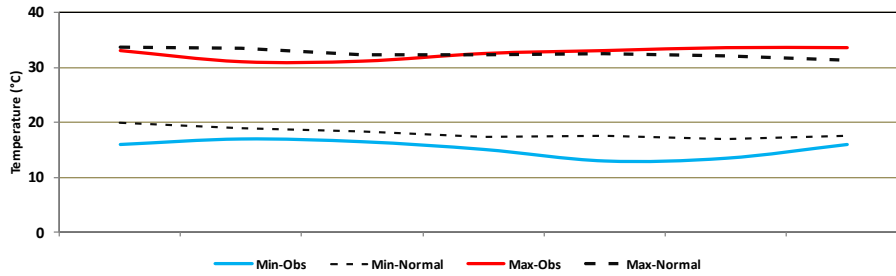


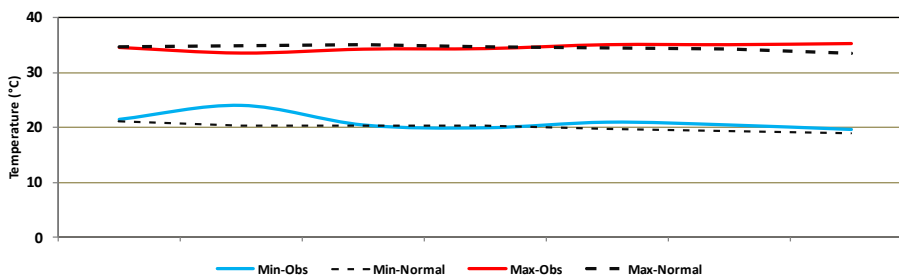
Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal) during the previous week (07th – 13th October 2024)

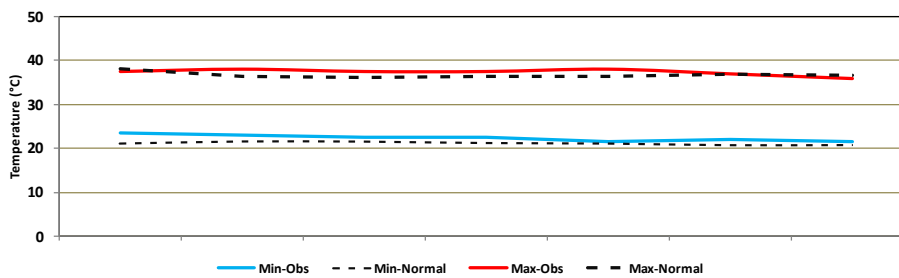
Rawalpindi (Min & Max Temperatures)



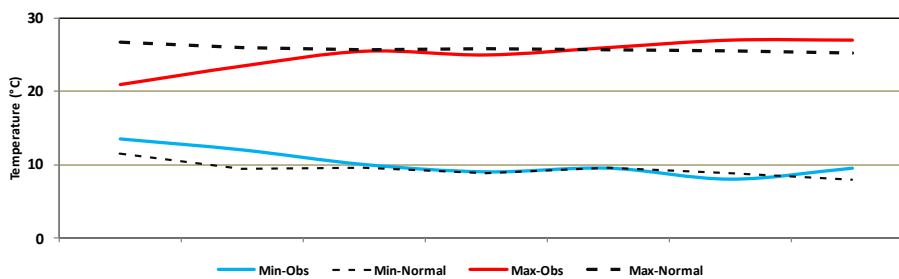
Faisalabad (Min & Max Temperatures)



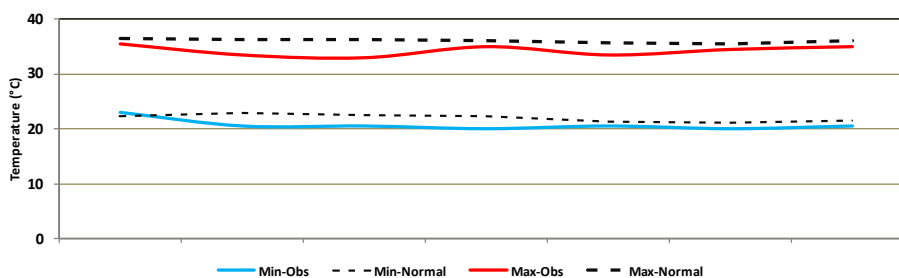
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**(17th – 23th October 2024)**

Continental air is prevailing over most parts of the country. A shallow westerly wave is affecting upper parts of the country.

THURSDAY**17-10-2024**

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

FRIDAY**18-10-2024**

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

SATURDAY**19-10-2024**

Dry weather is expected in most parts of the country, while cold in hilly areas.

SUNDAY**20-10-2024**

Dry weather is expected in most parts of the country, while cold in hilly areas.

MONDAY**21-10-2024**

Mainly dry weather is expected in most parts of the country. However, partly cloudy weather is expected in Gilgit-Baltistan and upper Khyber-Pakhtunkhwa.

TUESDAY**22-10-2024**

Mainly 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, Kashmir and upper Khyber-Pakhtunkhwa.

WEDNESDAY**23-10-2024**

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

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (07th – 13th October 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	35.4	37.0	94.3	61	0.01	1.0	0.0	1.3	1.3
Faisalabad	34.5	35.2	89.5	64	0.00	0.6	0.6	0.6	1.1
Gawadar	35.1	36.0	100.5	73	0.00	0.0	0.3	0.0	11.0
Gilgit	26.1	30.5	19.0	68	3.61	2.5	3.5	0.0	0.0
Kalam	19.7	24.5	0.0	47	42.00	3.0	3.2	0.0	0.5
Lahore	33.7	34.4	89.2	56	0.00	1.0	1.3	0.0	2.0
Malam Jabba	18.6	21.0	0.0	63	37.00	1.7	2.0	3.7	4.7
Mangla	32.5	34.0	72.4	66	0.40	1.2	1.2	0.3	2.3
Multan (PBO)	35.6	37.2	101.7	51	0.01	1.2	0.7	0.7	3.7
Murree	21.8	23.0	12.2	60	0.02	1.3	2.2	2.0	1.0
Muzaffarabad	28.3	31.2	46.9	64	6.01	1.2	2.0	0.0	0.0
Sh. Ben. Abad	39.3	40.5	117.8	63	0.00	0.0	1.7	3.3	5.3
Peshawar	32.6	34.5	72.0	69	12.00	1.3	1.3	0.0	2.0
Quetta	25.0	27.0	88.3	35	3.40	1.1	0.8	2.1	2.6
Rawalpindi	32.5	33.5	62.5	64	0.00	1.4	1.0	0.3	0.4
Rohri	36.2	37.5	108.8	58	0.00	0.8	0.0	0.7	3.3
Skardu	21.4	22.7	0.0	47	0.01	2.2	3.2	0.0	0.5
Tandojam	37.4	38.0	104.1	65	0.00	0.6	0.6	0.2	0.8
U.Muhammad	34.3	35.5	157.5	68	0.01	0.7	1.8	1.4	3.1
Zhob	28.7	31.0	52.0	37	4.01	0.0	0.5	0.7	1.3

*** Shows that data was not available.