

Weekly Weather and Crop Bulletin for Pakistan

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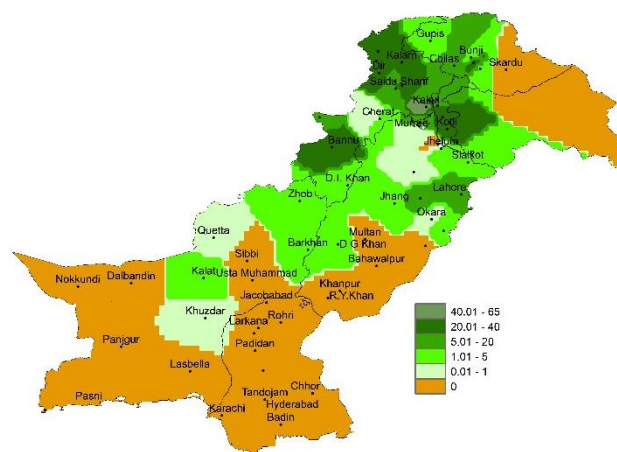


Figure 1: Rainfall.

Rainfall Distribution (mm) during the Previous Week (06th – 12th May 2024)

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Highlights of Past Weather (06th – 12th May 2024)

- Light to moderate rain was reported from most parts of upper half of the country during the past week particularly in Khyber Pakhtunkhwa along the adjoining areas of GB & Kashmir, northeastern & Central parts of Punjab and some parts of Balochistan. While dry weather was reported from southern and eastern parts of GB & Kashmir.
- Daily maximum temperatures were observed above normal in most parts of the country except southeastern Sindh, northwestern Baluchistan, northeastern Punjab and adjoining areas of Kashmir.
- Daily minimum temperatures were observed slightly above normal in the country except eastern belt of Balochistan and upper KP.
- Above normal mean daily temperatures were observed in 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**(06th – 12th May 2024)****Punjab**

Light to moderate rainfall was reported from Punjab Province except southern parts of Punjab. Weekly maximum and minimum temperatures recorded as 39.3°C & 23.4°C respectively. For the recent week on average 184.2 growing degree days were accumulated. Average relative humidity recorded as 42% and wind speed in the morning/evening recorded as 3.1/5.0 Knots. Highest rainfall was reported as 40.3 mm from Chakwal. However, highest maximum temperature was recorded as 46.3°C at Bahawalpur.

Baluchistan

Light rainfall was reported from some of the northern parts of the province. Weekly maximum and minimum temperatures recorded as 33.3°C & 19.9°C respectively. For the recent week on average 151.3 growing degree days were accumulated. Average relative humidity recorded 39% and wind speed in the morning/evening recorded as 0.5/3.8 Knots. Highest rainfall was reported as 5.0 mm from Zhob. However, highest maximum temperature was recorded as 46.5°C at Sibbi.

Khyber Pakhtunkhwa

Light to moderate rainfall was reported from Khyber Pakhtunkhwa. Weekly maximum and minimum temperatures recorded as 31.8°C & 16.0°C respectively. For the recent week on average 132.4 growing degree days were accumulated. Average relative humidity recorded as 47% and wind speed in the morning/evening recorded as 1.1/2.8 Knots. Highest rainfall was reported as 63.0 mm from Kakul. However, highest maximum temperature recorded as 43.5°C at D. I. Khan.

Sindh

Dry weather was reported from Sindh. Weekly maximum and minimum temperatures recorded as 42.5°C & 26.3°C respectively. For the recent week, on average 205.8 growing degree days were accumulated. Average relative humidity recorded as

46% and wind speed in the morning/evening recorded as 2.8/4.9 Knots. Dry weather was reported from Sindh. However, highest maximum temperature recorded as 48.0°C at Dadu.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light to Moderate rainfall was reported from some parts of Gilgit Baltistan and Kashmir. Weekly maximum and minimum temperatures recorded as 29.3°C & 13.7°C respectively. For the recent week on average 115.5 growing degree days were accumulated. Average relative humidity recorded as 41%. and wind speed recorded in the morning/evening as 0.8/2.1. Highest rainfall was reported as 38.0 mm from Rawalakot. However, highest maximum temperature recorded as 37.5°C at Garhi Dopatta.

Past Weather for Major Agricultural Plains**(06th – 12th May 2024)****Rawalpindi (Potohar region)**

Rainfall reported as 0.01 (Trace) mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 2.0/1.3 Oktas, average relative humidity observed as 46%. Mean maximum time temperature was recorded as 36.4°C and for the recent week 161.5 growing degree days were accumulated. Wind speed recorded in the morning/evening as 1.1/1.4 Knots. The highest maximum temperature was recorded as 39.0°C.

Faisalabad (Central Punjab)

Rainfall reported as 6.0 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded 0.9/1.1 Oktas while, average relative humidity observed as 48%. Mean maximum time temperature recorded 40.0°C & for the recent week 190.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/2.8 Knots. The highest maximum temperature was recorded as 44.0°C.

Tandojam (Lower Sindh)

Dry weather reported during the week; however, cloudiness in the morning/evening recorded 0.0/0.6 Oktas while, average relative humidity observed as 48%. Mean maximum time temperature recorded as 41.9°C & for the recent week 196.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.5/2.8 Knots. The highest maximum temperature was recorded as 44.0°C.

Usta Muhammad (Eastern Baluchistan)

Dry weather reported during the week; however, cloudiness in the morning/evening recorded as 1.1/0.7. Average relative humidity observed as 48%. Mean maximum time temperature recorded as 46.0°C & for the recent week 213.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.8/1.4 Knots. The highest maximum temperature was recorded as 48.0°C.

Quetta (Northern Baluchistan)

Rainfall reported as 0.01 (Trace) mm from Quetta during the week; however, cloudiness in the morning/evening recorded as 1.0/1.8 Oktas while, average relative humidity observed as 26%. Mean maximum time temperature recorded as 29.2°C & for the recent week 120.8 growing degree days accumulated. Wind speed recorded in the

morning/evening as 2.1/2.8 Knots. The highest maximum temperature was recorded as 32.0°C.

Past Weather for Sub-Regional Agricultural Plains (06th – 12th May 2024)**Multan**

Dry weather reported during the week; however, cloudiness in the morning/evening recorded as 03/2.1 Oktas. Average relative humidity observed as 34%. Mean maximum time temperature recorded as 42.0°C & for the recent week 204.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 4.3/8.0 Knots.

Lahore

Rainfall reported as 6.01 mm from Lahore during the week; cloudiness in the morning/evening recorded as 2.0/2.9 Oktas, average relative humidity observed as 39%. Mean maximum time temperature recorded as 39.0°C & for the recent week 188.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/4.0 Knots.

Zhob

Rainfall reported as 7.01 mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 1.1/2.0 Oktas. Average relative humidity observed as 28%. Mean maximum time temperature recorded as 44.0°C & for the recent week 212.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.0/4.4 Knots.

Murree

Rainfall reported as 20.0 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 2.4/2.6 Oktas while, average relative humidity observed as 54%. Mean maximum time temperature recorded as 23.1°C & for the recent week 92.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.1/2.9 Knots.

D.I. Khan

Rainfall reported as 2.02 mm from D.I. Khan during the week; cloudiness in the morning/evening recorded as 0.7/2.7. Average relative humidity observed as 45%. Mean maximum time temperature recorded as 40.3°C & for the recent week 191.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/1.4 Knots.

Peshawar

Rainfall reported as 0.01 (Trace) mm from Peshawar during the week; however, cloudiness in the morning/evening recorded as 1.3/4.1 Oktas while, average relative humidity observed as 49%. Mean maximum time temperature was recorded as 37.4°C & for the recent week 169.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.9/3.1 Knots.

Kalam

Rainfall reported as 30.0 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 2.0/3.3 Oktas while, average relative humidity observed as 29%. Mean maximum time temperature recorded as 24.1°C & for the recent week 71.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/3.4 Knots.

Gilgit

Rainfall reported as 7.4 mm from Gilgit during the week, cloudiness in the morning/evening recorded as 3.0/4.3 Oktas while, average relative humidity observed as 40%. Mean maximum time temperature recorded as 31.6°C & for the recent week 122.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.9 Knots.

Skardu

Dry weather reported from Skardu during the week; however, cloudiness in the morning/evening recorded as 1.6/3.3 Oktas while, average relative humidity observed as 29%. Mean maximum time temperature recorded as 26.0°C & for the recent week 90.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/3.4 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 crop is in the fields. Date of sowing 23-04-2024. Phonological Stage: Third leaf completed. Condition: Very Good.

Lower Sindh (Tandojam)

Land is preparing for cotton crop.

Northern Baluchistan (Quetta)

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

Eastern Baluchistan (Usta Muhammad) Land is preparing for new crop.

Actual & Departure of Maximum temperature (°C) for the Previous week (06th – 12th May 2024)

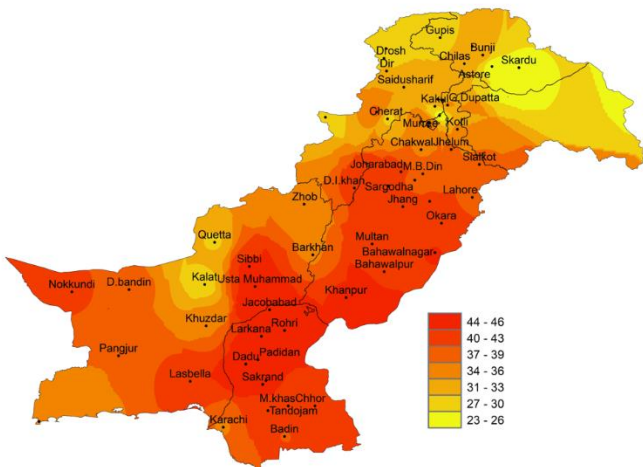


Figure 2: Actual Maximum temperature.

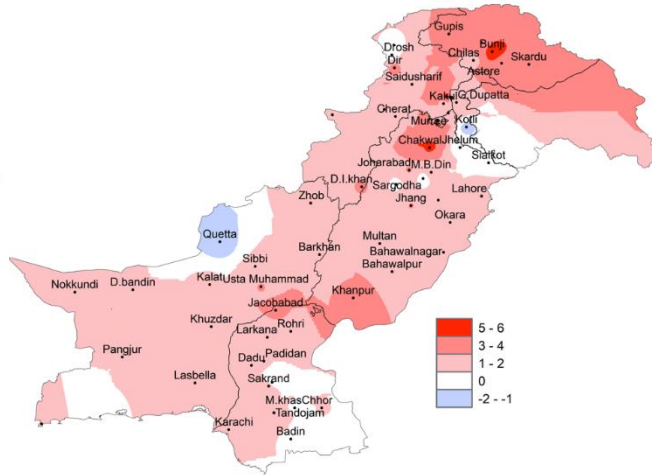


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (06th – 12th May 2024)

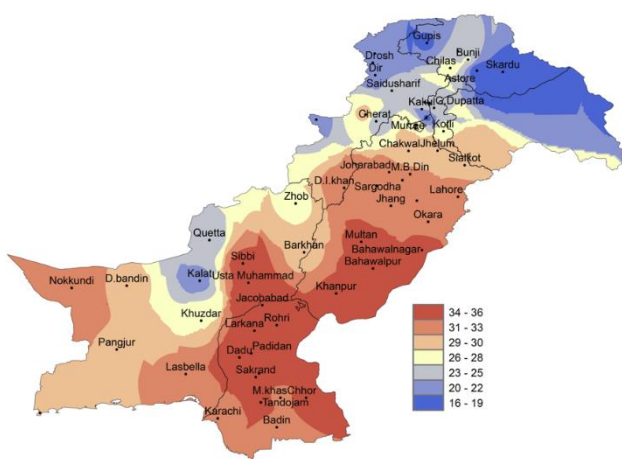


Figure 4: Actual Mean temperature.

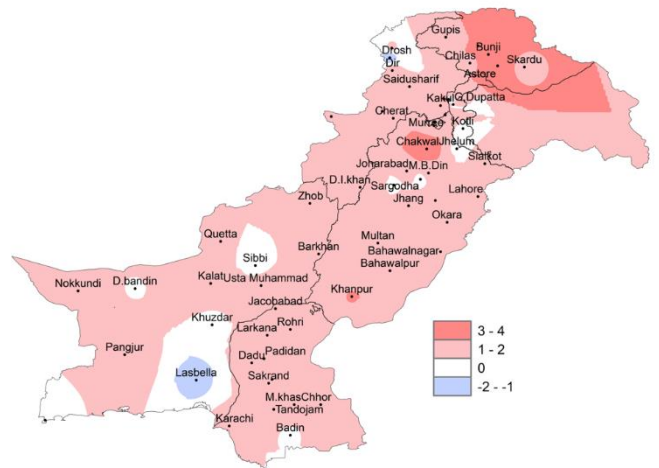


Figure 5: Departure of Mean temperature.

***Departure = Actual – Normal

Actual Minimum temperature (°C) during the Previous week (06th – 12th May 2024)

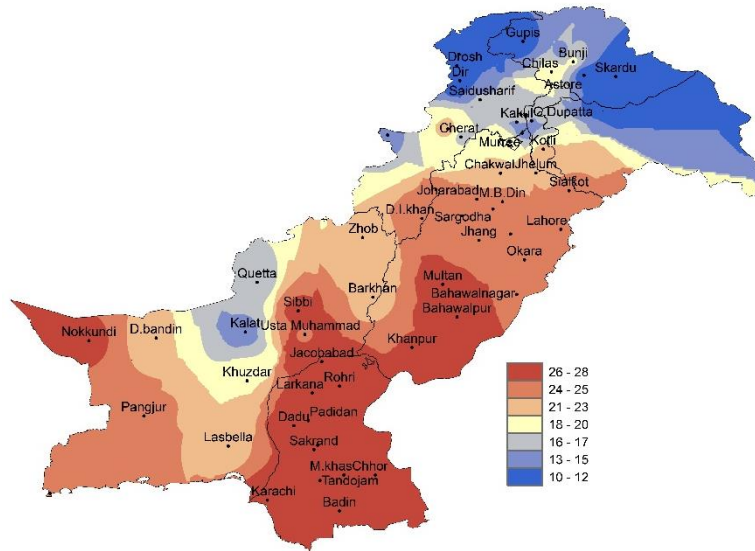


Figure 6: Actual Minimum temperature.

Departure of Minimum temperature (°C) during the Previous week (06th – 12th May 2024)

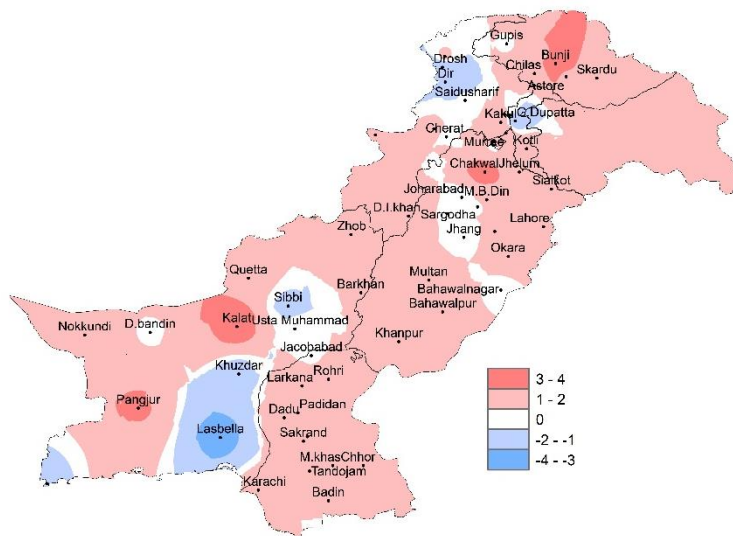


Figure 7: Departure of Minimum temperature.

**Mean Relative Humidity (%) during the
Previous week (06th – 12th May 2024)**

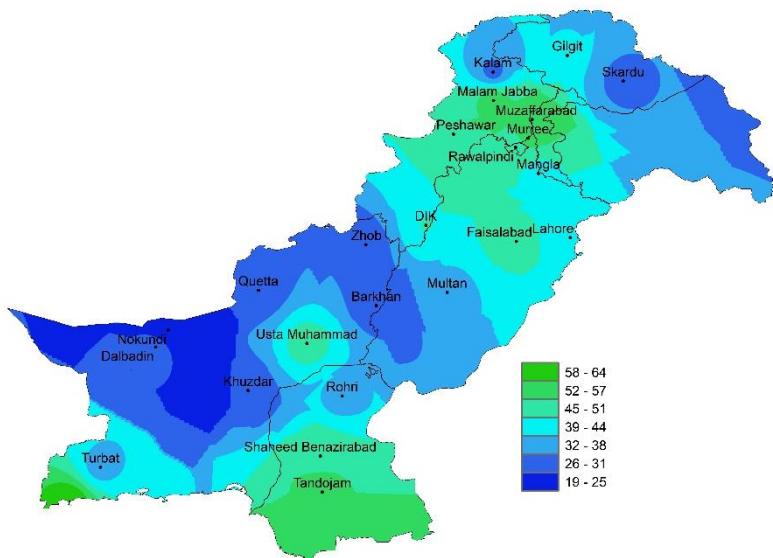


Figure 9: Relative Humidity

**Total Growing Degree Days accumulated during the
Previous week (06th – 12th May 2024)**

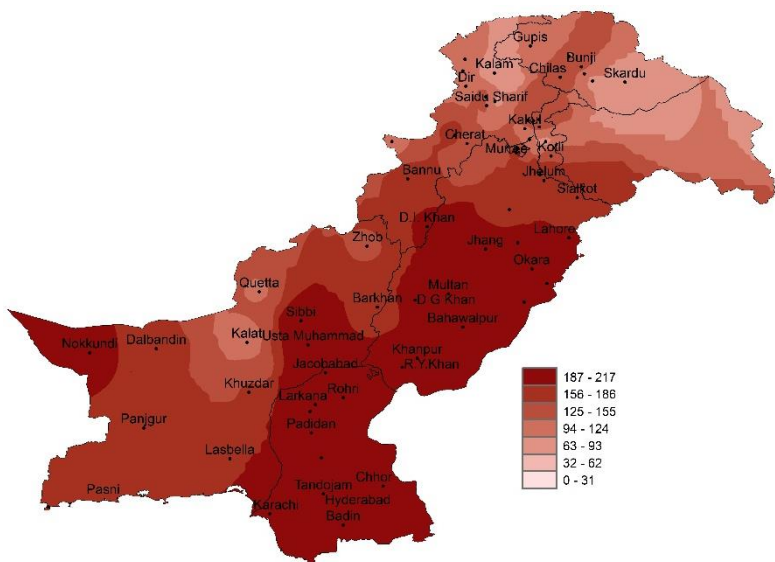


Figure 8: Growing Degree Days

Mean Cloudiness (Octas) at 0800 PST during the Previous week (06th – 12th May 2024)

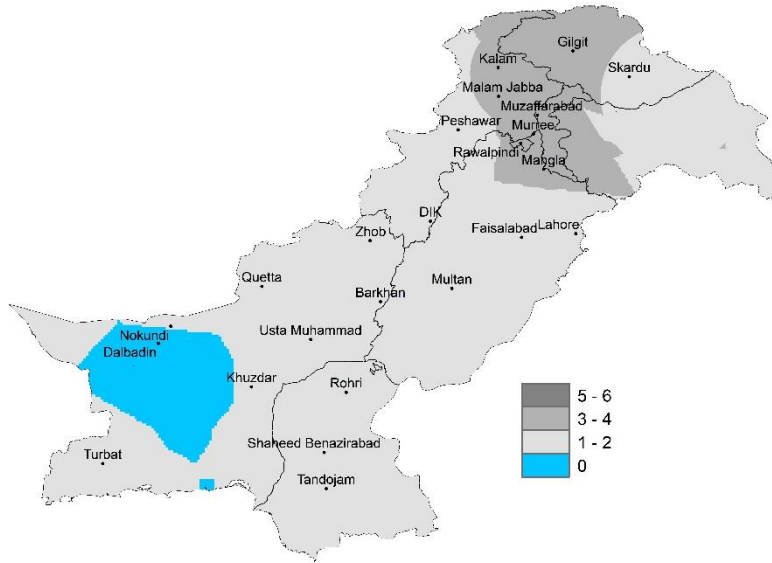


Figure 10: Mean Cloudiness at 0800

Mean Cloudiness (Octas) at 1700 PST during the Previous week (06th – 12th May 2024)

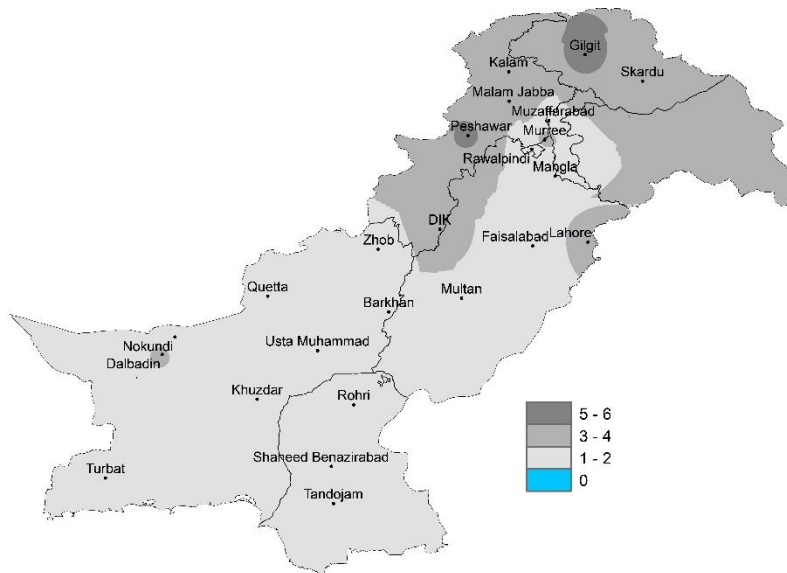


Figure 11: Mean Cloudiness at 1700

Mean Wind Speed (Knots) at 0800 PST during the Previous week (06th – 12th May 2024)

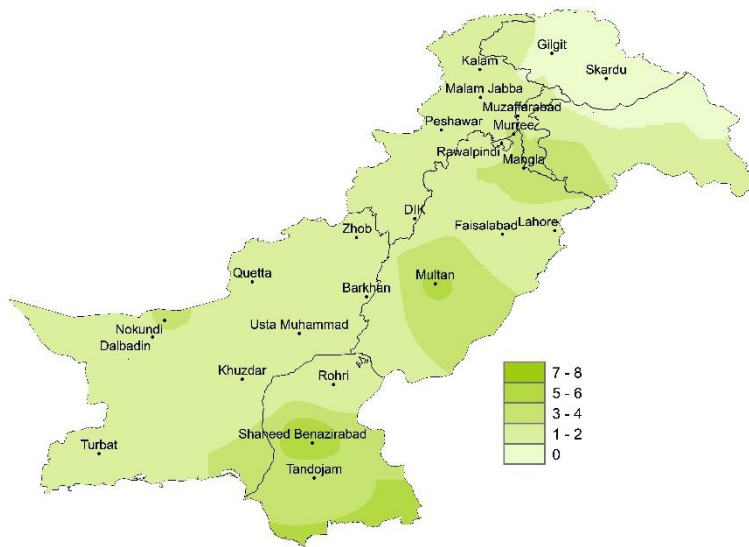


Figure 12: Mean Wind Speed at 0800

Mean Wind Speed (Knots) at 1700 PST during the Previous week (06th – 12th May 2024)

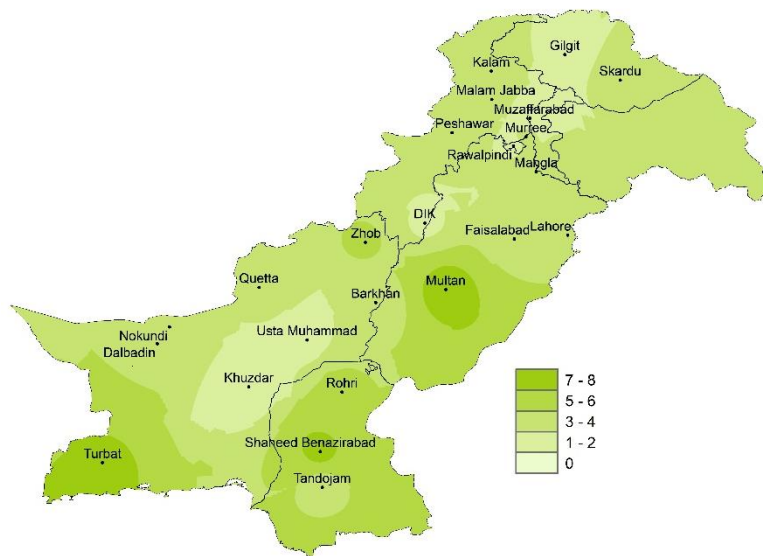
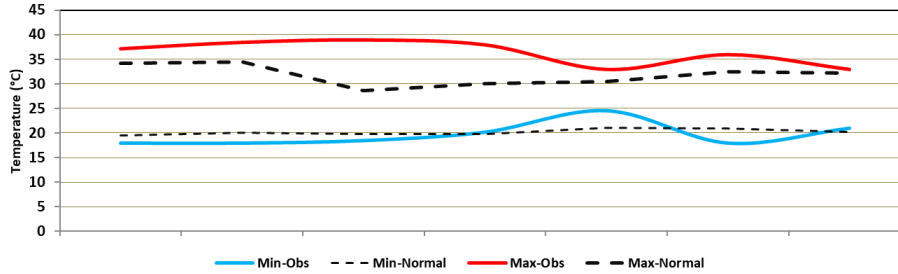


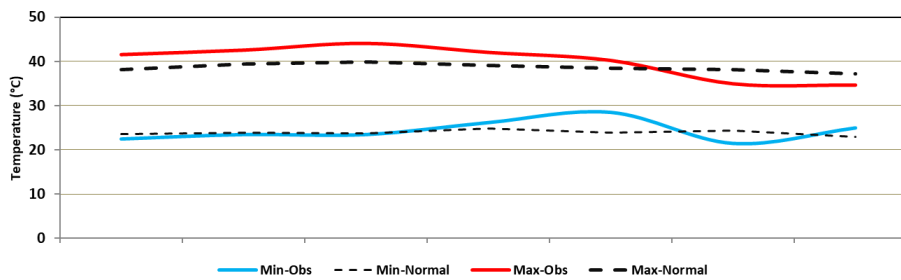
Figure 13: Mean Wind Speed at 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal) during the previous week (06th – 12th May 2024)

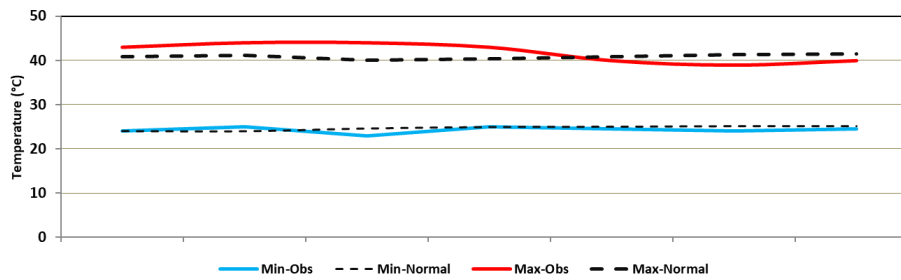
Rawalpindi (Min & Max Temperatures)



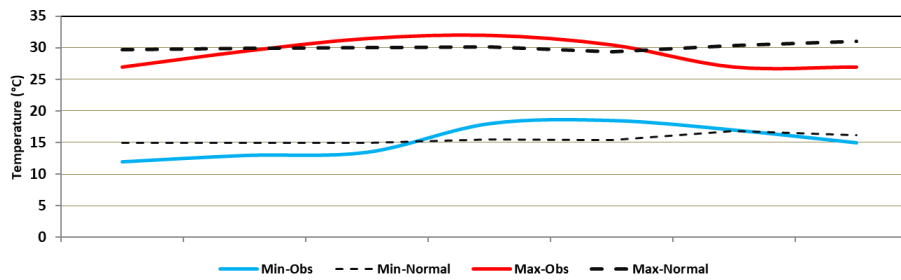
Faisalabad (Min & Max Temperatures)



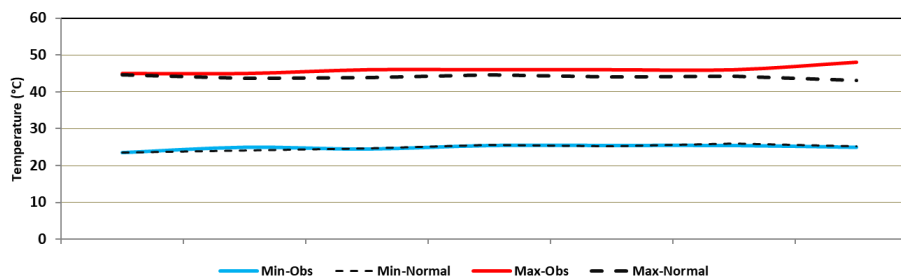
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**(13th – 19th May 2024)**

Continental air is prevailing over most parts of the country

MONDAY**13-05-2024**

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

TUESDAY**14-05-2024**

Mainly hot and dry weather is expected in most parts of the country while, day temperatures are likely to rise gradually in southern areas.

WEDNESDAY**15-05-2024**

Mainly hot and dry weather is expected in most parts of the country, while very hot in southern/central parts. However, rain-wind/thunderstorm is expected at isolated places in Chitral, Swat, Kohistan, Awaran, Washuk and Khuzdar.

THURSDAY**16-05-2024**

Mainly hot and dry weather is expected in most parts of the country, while very hot in southern/central parts. However, rain-wind/thunderstorm is expected at isolated places in Chitral, Swat, Kohistan, Awaran, Washuk and Kharan.

FRIDAY**17-05-2024**

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

SATURDAY**18-05-2024**

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

SUNDAY**19-05-2024**

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

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (06th – 12th May 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	40.3	43.5	191.8	44.6	2.0	0.7	2.7	1.4	1.4
Faisalabad	24.4	21.5	190.3	48.0	6.0	0.9	1.1	1.1	2.8
Gawadar	34.9	37.0	173.8	63.8	0.0	0.3	0.6	0.6	6.6
Gilgit	31.6	36.0	122.8	39.9	7.4	3.0	4.3	0.0	0.9
Kalam	24.1	28.0	71.3	28.5	30.0	2.0	3.3	0.0	3.4
Lahore	39.0	41.5	188.0	38.8	2.0	2.0	2.9	2.0	4.0
Malam Jabba	21.6	24.5	75.7	56.3	35.0	2.3	2.8	2.0	3.3
Mangla	36.5	39.5	166.0	41.2	0.0	2.1	1.7	3.1	4.0
Multan (PBO)	42.0	44.5	204.7	34.4	0.0	0.3	2.1	4.3	8.0
Murree	23.1	25.5	92.3	53.8	20.0	2.4	2.6	3.1	2.9
Muzaffarabad	32.0	35.5	137.0	53.8	11.5	2.0	2.0	0.0	0.0
Sh. Ben. Abad	43.8	47.8	208.9	50.1	0.0	0.4	0.3	5.4	7.1
Peshawar	37.4	40.0	169.7	49.1	0.0	1.3	4.1	0.9	3.1
Quetta	15.3	12.0	120.8	25.5	0.0	1.0	1.8	2.1	2.8
Rawalpindi	19.7	18.0	161.5	46.4	0.0	2.0	1.3	1.1	1.4
Rohri	44.4	46.5	217.3	34.6	0.0	0.0	0.9	0.6	4.9
Skardu	26.0	28.3	90.5	28.5	0.0	1.6	3.3	0.0	3.4
Tandojam	24.3	23.0	196.5	53.0	0.0	0.0	0.6	2.5	2.8
U.Muhammad	24.9	23.5	213.3	48.4	0.0	1.1	0.7	0.8	1.4
Zhob	44.0	45.0	212.3	27.8	0.0	1.1	2.0	1.0	4.4

*** Shows that data was not available.