

Weekly Weather and Crop Bulletin for Pakistan

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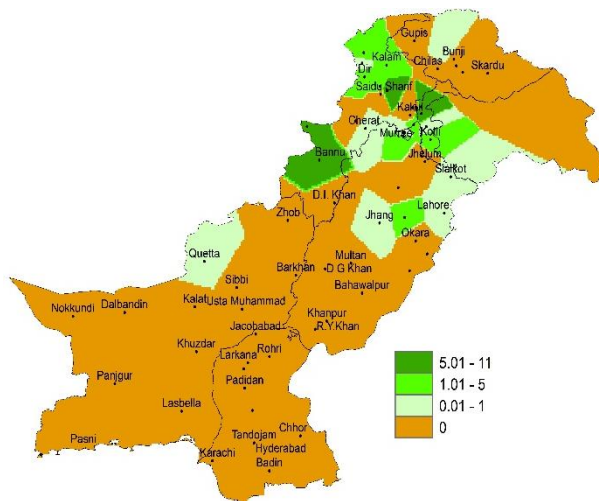


Figure 1: Rainfall.

Rainfall Distribution (mm) during the Previous Week (20th – 26th May 2024)

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Highlights of Past Weather (20th – 26th May 2024)

- Dry weather reported from most parts of the country. Whereas, light rainfall observed over some isolated locations of Khyber Pakhtunkhwa, Punjab and Kashmir.
- Daily maximum temperatures were observed above normal in most parts of the country.
- Daily minimum temperatures were observed above normal in the country.
- Above normal mean daily temperatures were observed in the country.

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

Editor: Dr. Tariq Mahmood (Meteorologist)

Past Weather of Provinces **(20th – 26th May 2024)**

Punjab

Dry weather reported from most parts whereas light rainfall observed over some isolated locations of Punjab Province. Weekly maximum and minimum temperatures recorded as 43.8°C & 26.5°C respectively. For the recent week on average 141.1 growing degree days were accumulated. Average relative humidity recorded as 34% and wind speed in the morning/evening recorded as 2.0/3.2 Knots. Highest rainfall was reported as 3.0 mm from Gujrat. However, highest maximum temperature was recorded as 50.2°C at Khanpur.

Baluchistan

Dry weather reported from the most parts of the province except only 0.02 mm of rainfall reported from Quetta valley. Weekly maximum and minimum temperatures recorded as 36.3°C & 22.0°C respectively. For the recent week on average 99.0 growing degree days were accumulated. Average relative humidity recorded 40% and wind speed in the morning/evening recorded as 1.1/6.0 Knots. However, highest maximum temperature was recorded as 50.0°C at Sibbi.

Khyber Pakhtunkhwa

Light rainfall was reported from most parts of Khyber Pakhtunkhwa Province. Weekly maximum and minimum temperatures recorded as 36.1°C & 19.0°C respectively. For the recent week on average 88.0 growing degree days were accumulated. Average relative humidity recorded as 42% and wind speed in the morning/evening recorded as 1.2/2.0 Knots. Highest rainfall was reported as 11.0 mm from Pattan. However, highest maximum temperature recorded as 48.0°C at D. I. Khan.

Sindh

Dry weather was reported from Sindh. Weekly maximum and minimum temperatures recorded as 45.3°C & 28.2°C respectively. For the recent week, on average 153.6 growing degree days were accumulated. Average relative humidity recorded as

43% and wind speed in the morning/evening recorded as 3.7/5.1 Knots. However, highest maximum temperature recorded as 52.5°C at Moenjo Daro.

Gilgit-Baltistan and Azad Jammu & Kashmir

Dry weather was reported from most parts of Gilgit Baltistan whereas light rainfall observed from western parts of Kashmir. Weekly maximum and minimum temperatures recorded as 33.5°C & 16.7°C respectively. For the recent week on average 72.5 growing degree days were accumulated. Average relative humidity recorded as 36%. and wind speed recorded in the morning/evening as 0.6/4.6. Highest rainfall was reported as 8.4 mm from Garhi Dopatta. However, highest maximum temperature recorded as 41.0°C at Garhi Dopatta.

Past Weather for Major Agricultural Plains**(20th – 26th May 2024)****Rawalpindi (Potohar region)**

Rainfall reported as 1.30 mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 0.0/1.6 Oktas, average relative humidity observed as 38%. Mean maximum time temperature was recorded as 41.4°C and for the recent week 120.1 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.3/1.4 Knots. The highest maximum temperature was recorded as 42.2°C.

Faisalabad (Central Punjab)

Rainfall reported as 1.60 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded 0.4/0.6 Oktas while, average relative humidity observed as 36%. Mean maximum time temperature recorded 44.4°C & for the recent week 145.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.6/2.6 Knots. The highest maximum temperature was recorded as 45.0°C.

Tandojam (Lower Sindh)

Dry weather reported during the week; however, cloudiness in the morning/evening recorded as 0.3/0.0 oktas while, average relative humidity observed as 56%. Mean maximum time temperature recorded as 44.0°C & for the recent week 141.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 4.3/5.7 Knots. The highest maximum temperature was recorded as 45.0°C.

Usta Muhammad (Eastern Baluchistan)

Dry weather reported during the week; however, cloudiness in the morning/evening recorded as 0.0/0.7. Average relative humidity observed as 37%. Mean maximum time temperature recorded as 48.3°C & for the recent week 150.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/2.8 Knots. The highest maximum temperature was recorded as 50.0°C.

Quetta (Northern Baluchistan)

Rainfall reported as 0.02 mm from Quetta during the week; however, cloudiness in the morning/evening recorded as 0.7/2.7 Oktas while, average relative humidity observed as 24%. Mean maximum time temperature recorded as 32.9°C & for the recent week 68.8 growing degree days accumulated. Wind speed recorded in the

morning/evening as 2.3/2.6 Knots. The highest maximum temperature was recorded as 34.5°C.

Past Weather for Sub-Regional Agricultural Plains (20th – 26th May 2024)**Multan**

Dry weather reported during the week; however, cloudiness in the morning/evening recorded as 0.3/0.3 Oktas. Average relative humidity observed as 28%. Mean maximum time temperature recorded as 45.2°C & for the recent week 156.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/5.4 Knots.

Lahore

Rainfall reported as 0.01 (trace) mm from Lahore during the week; cloudiness in the morning/evening recorded as 0.0/1.6 Oktas, average relative humidity observed as 32%. Mean maximum time temperature recorded as 43.3°C & for the recent week 145.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.6/2.3 Knots.

Zhob

Dry weather reported from Zhob during the week; however, cloudiness in the morning/evening recorded as 0.0/2.6 Oktas. Average relative humidity observed as 28%. Mean maximum time temperature recorded as 36.3°C & for the recent week 99.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.3/5.0 Knots.

Murree

Rainfall reported as 2.0 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 0.3/1.4 Oktas while, average relative humidity observed as 42%. Mean maximum time temperature recorded as 28.2°C & for the recent week 55.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/2.0 Knots.

D.I. Khan

Dry weather reported from D.I. Khan during the week; clear sky observed in the morning/evening. Average relative humidity observed as 35%. Mean maximum time temperature recorded as 44.9°C & for the recent week 150.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/2.0 Knots.

Peshawar

Dry weather reported from Peshawar during the week; however, cloudiness in the morning/evening recorded as 0.7/2.3 Oktas while, average relative humidity observed as 37%. Mean maximum time temperature was recorded as 40.9°C & for the recent week 117.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.3/3.7 Knots.

Kalam

Rainfall reported as 4.0 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 0.6/3.0 Oktas while, average relative humidity observed as 27%. Mean maximum time temperature recorded as 27.2°C & for the recent week 18.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/6.3 Knots.

Gilgit

Rainfall reported as 0.40 mm from Gilgit during the week, cloudiness in the morning/evening recorded as 0.7/4.3 Oktas while, average relative humidity observed as 39%. Mean maximum time temperature recorded as 35.1°C & for the recent week 78.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/7.7 Knots.

Skardu

Dry weather reported from Skardu during the week; however, cloudiness in the morning/evening recorded as 0.6/3.0 Oktas while, average relative humidity observed as 27%. Mean maximum time temperature recorded as 29.3°C & for the recent week 42.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/6.3 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: Budding. Condition: Very Good.

Lower Sindh (Tandojam)

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

Northern Baluchistan (Quetta)

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

Eastern Baluchistan (Usta Muhammad)

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

Actual & Departure of Maximum temperature (°C) for the Previous week (20th – 26th May 2024)

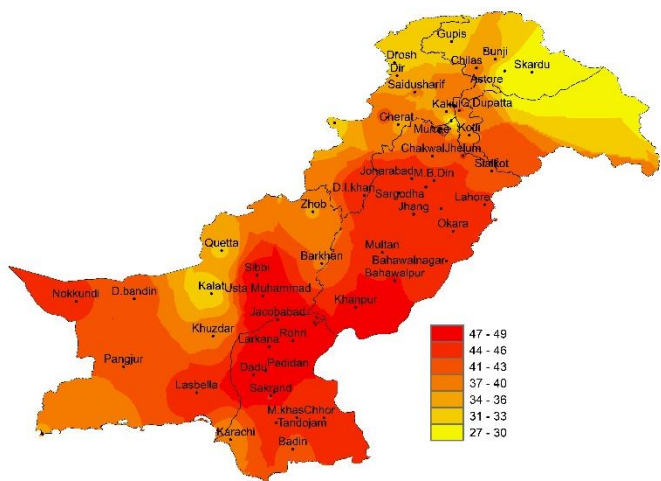


Figure 2: Actual Maximum temperature.

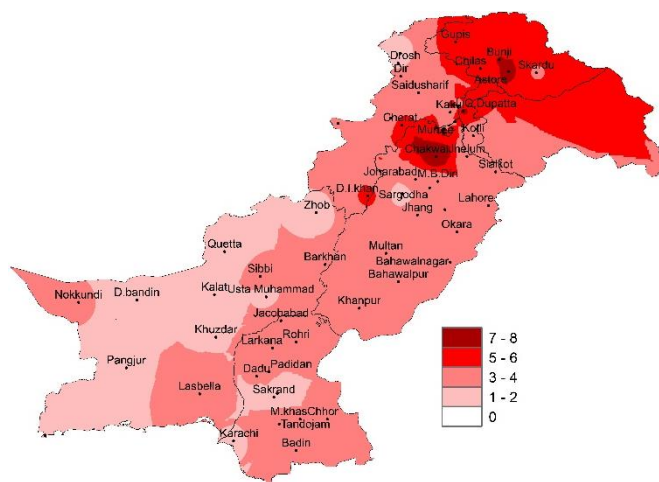


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (20th – 26th May 2024)

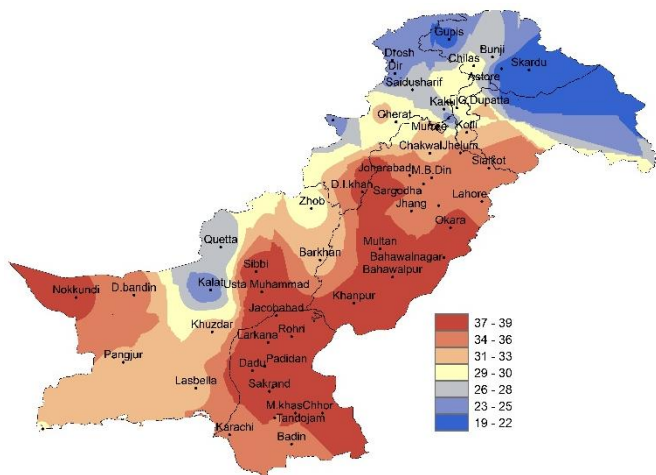


Figure 5: Actual Mean temperature.

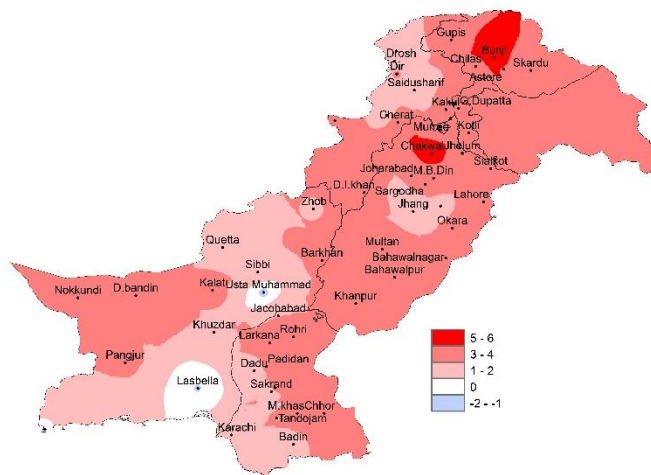


Figure 4: Departure of Mean temperature.

**Actual Minimum temperature (°C) during the
Previous week (20th – 26th May 2024)**

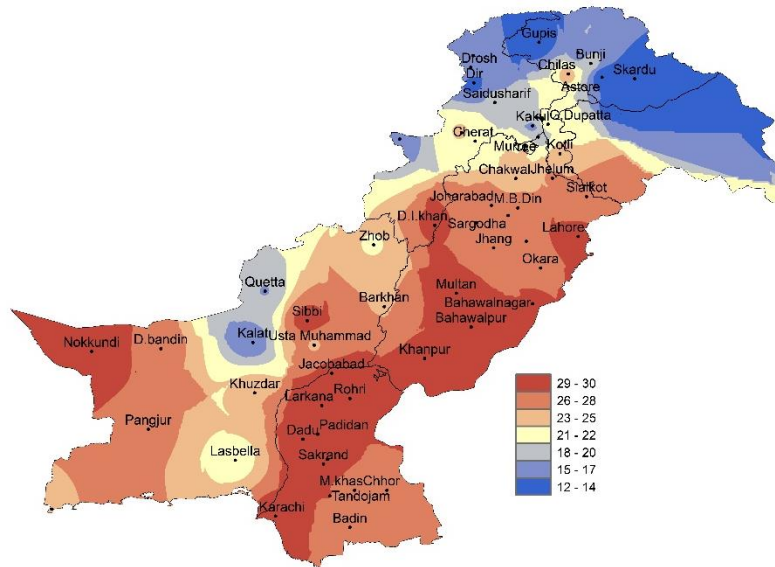


Figure 6: Actual Minimum temperature.

**Departure of Minimum temperature (°C) during the
Previous week (20th – 26th May 2024)**

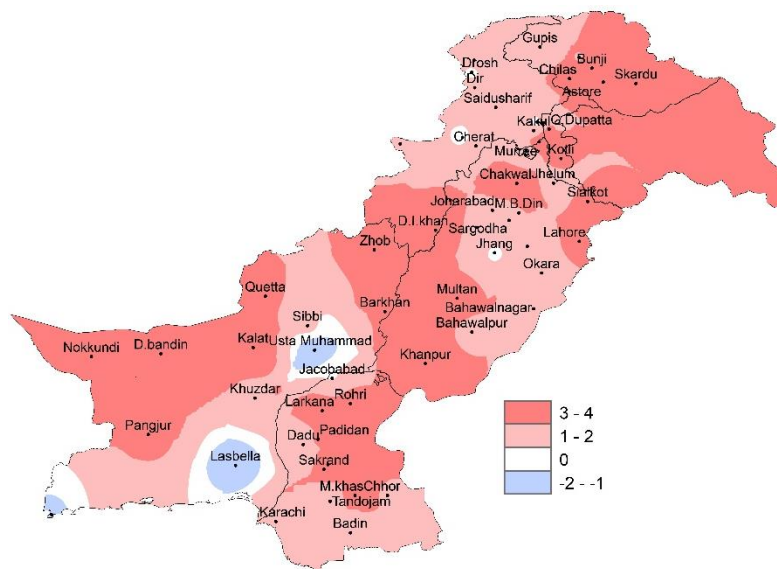


Figure 7: Departure of Minimum temperature.

**Mean Relative Humidity (%) during the
Previous week (20th – 26th May 2024)**

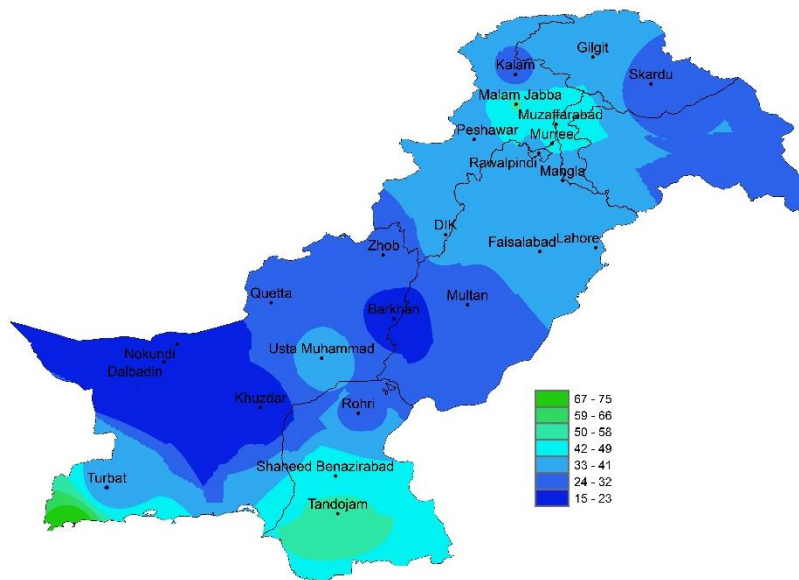


Figure 8: Relative Humidity

**Total Growing Degree Days accumulated during the
Previous week (20th – 26th May 2024)**

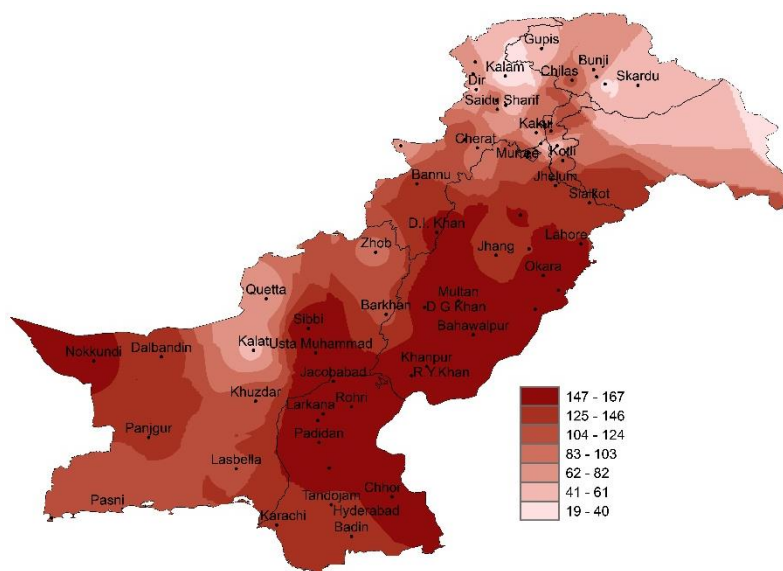


Figure 9: Growing Degree Days

Mean Cloudiness (Octas) at 0800PST during the Previous week (20th – 26th May 2024)

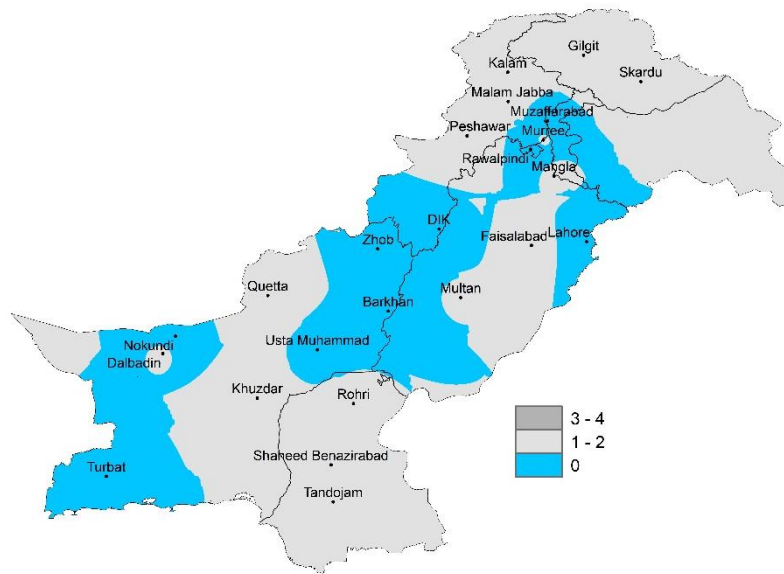


Figure 10: Mean Cloudiness at 0800

Mean Cloudiness (Octas) at 1700PST during the Previous week (20th – 26th May 2024)

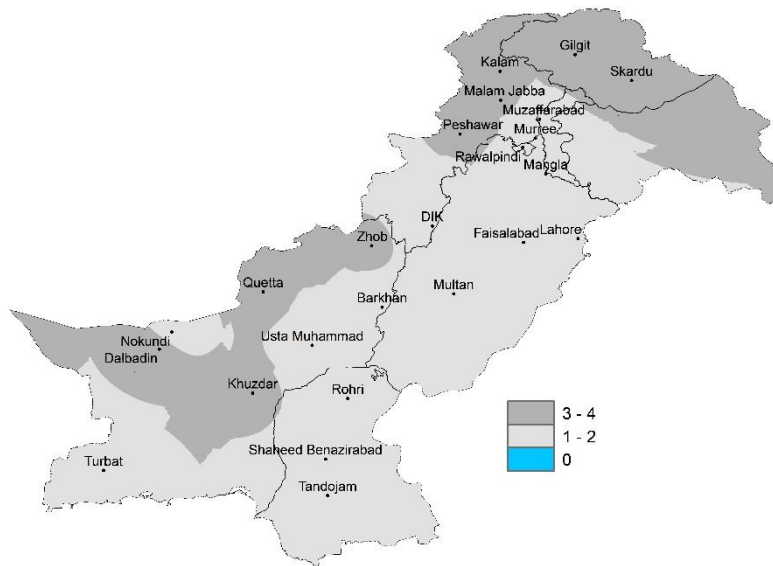


Figure 11: Mean Cloudiness at 1700

**Mean Wind Speed (Knots) at 0800PST during the
Previous week (20th – 26th May 2024)**

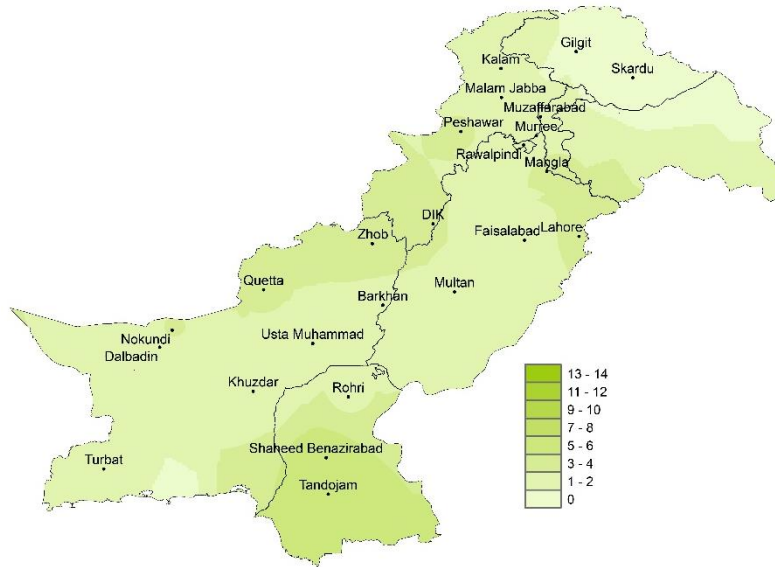


Figure 12: Mean Wind Speed 0300

**Mean Wind Speed (Knots) at 1700PST during the
Previous week (20th – 26th May 2024)**

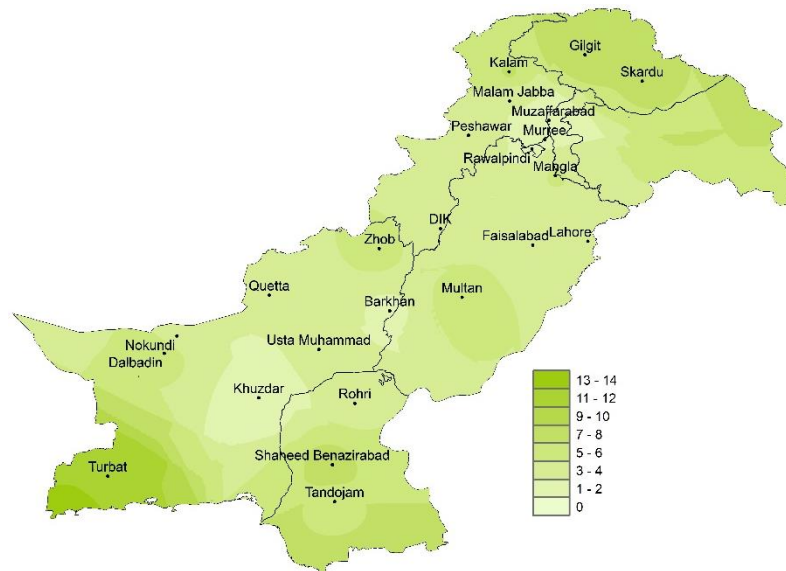
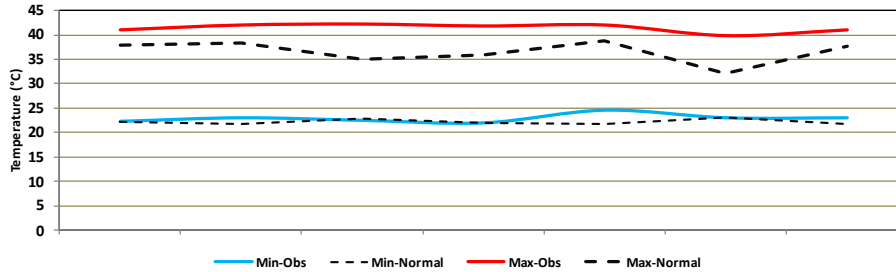


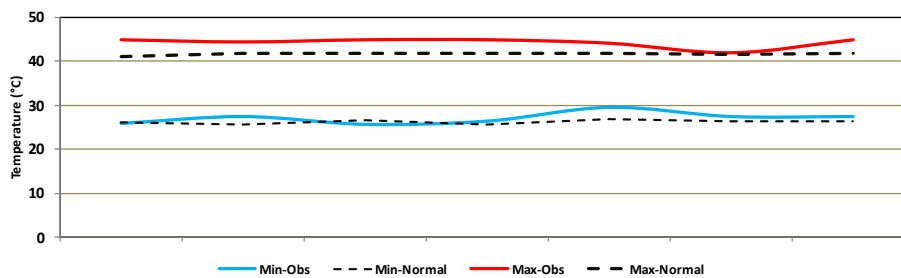
Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal)
during the previous week (20th – 26th May 2024)

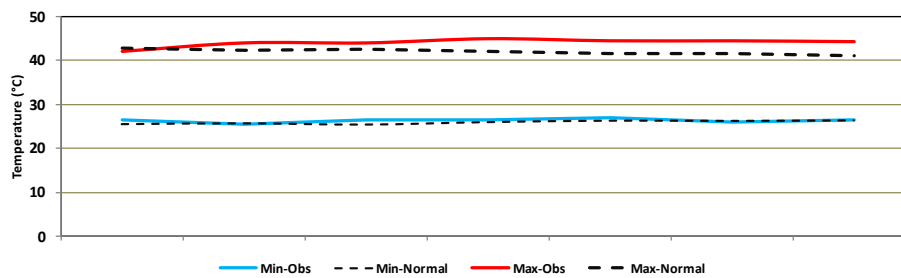
Rawalpindi (Min & Max Temperatures)



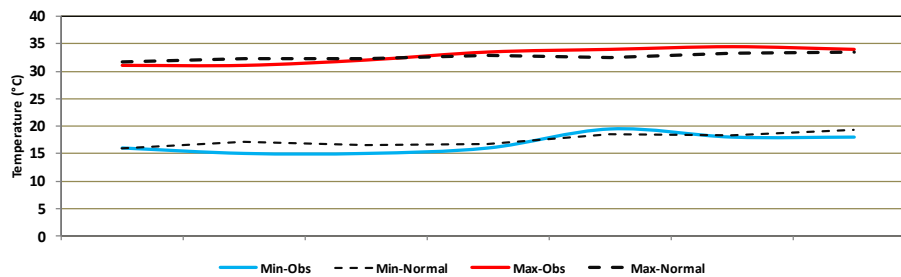
Faisalabad (Min & Max Temperatures)



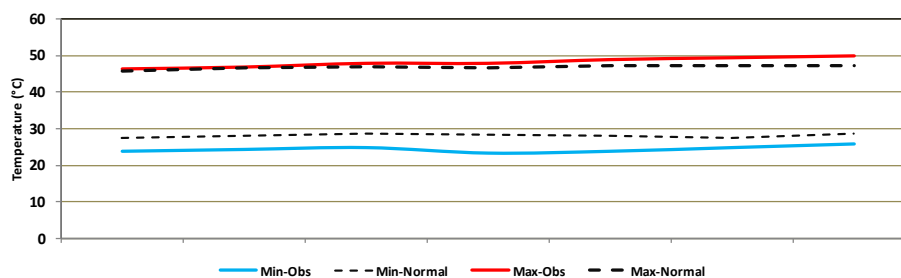
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**(27th – 02nd June 2024)**

Continental air is prevailing over most parts of the country. A high pressure is prevailing in upper atmosphere and likely to persist during next 2 days. A shallow westerly wave is present over northern parts of the country.

MONDAY**27-05-2024**

Heatwave conditions are likely to prevail over most plain areas of the country while, gusty winds/windstorm is expected during afternoon.

TUESDAY**28-05-2024**

Heatwave conditions are likely to prevail over most plain areas of the country while, gusty winds/windstorm is expected during afternoon.

WEDNESDAY**29-05-2024**

Mainly very hot and dry weather is expected in most parts of the country, while gusty wind/dust storm is likely in plain areas. However, rain/thunderstorm is likely at isolated places in upper Khyber Pakhtunkhwa, Gilgit Baltistan, Kashmir and adjoining areas.

THURSDAY**30-05-2024**

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

FRIDAY**30-05-2024**

Mainly very hot and dry weather is expected in most parts of the country. However, rain/thunderstorm is likely at isolated places in Pothohar region, upper Punjab, upper Khyber Pakhtunkhwa, Gilgit Baltistan, Kashmir and adjoining areas.

SATURDAY**01-06-2024**

Mainly very hot and dry weather is expected in most parts of the country. However, rain/thunderstorm is likely at isolated places in upper Khyber

Pakhtunkhwa, Gilgit Baltistan, Kashmir and adjoining areas.

SUNDAY**02-06-2024**

Mainly very hot and dry weather is expected in most parts of the country. While, partly cloudy weather with chances of rain-wind/thunderstorm is likely 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 (20th – 26th 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	44.9	48.0	150.8	34.9	0.0	0.0	0.0	2.0	2.0
Faisalabad	44.4	45.0	145.5	35.5	1.6	0.4	0.6	0.6	2.6
Gawadar	36.5	38.5	110.5	74.7	0.0	0.0	0.0	0.0	13.1
Gilgit	35.1	37.5	78.5	39.2	0.4	0.7	4.3	0.0	7.7
Kalam	27.2	29.5	18.5	26.9	4.0	0.6	3.0	0.0	6.3
Lahore	43.3	45.0	145.8	32.1	0.0	0.0	1.6	2.6	2.3
Malam Jabba	26.1	28.0	35.0	49.9	7.0	0.4	2.4	0.6	2.3
Mangla	42.2	43.5	128.4	33.4	0.0	0.3	0.9	2.6	4.3
Multan (PBO)	45.2	48.4	156.6	27.9	0.0	0.3	0.3	1.4	5.4
Murree	28.2	28.8	55.9	42.0	2.0	0.3	1.4	2.0	2.0
Muzaffarabad	38.9	40.4	104.1	44.4	0.0	0.0	0.3	0.0	0.0
Sh. Ben. Abad	47.4	48.5	158.9	41.9	0.0	0.7	0.9	5.1	6.6
Peshawar	40.9	43.0	117.9	37.2	0.0	0.7	2.3	2.3	3.7
Quetta	32.9	34.5	68.8	23.6	0.0	0.7	2.7	2.3	2.6
Rawalpindi	41.4	42.2	120.1	37.5	1.3	0.0	1.6	0.3	1.4
Rohri	47.1	49.5	163.8	30.2	0.0	0.4	0.0	1.7	2.9
Skardu	29.3	30.7	42.9	26.9	0.0	0.6	3.0	0.0	6.3
Tandojam	44.0	45.0	141.4	55.5	0.0	0.3	0.0	4.3	5.7
U.Muhammad	48.3	50.0	150.0	37.0	0.0	0.0	0.7	1.4	2.8
Zhob	45.7	36.3	99.0	27.7	0.0	0.0	2.6	3.3	5.0

*** Shows that data was not available.