

Weekly Weather and Crop Bulletin for Pakistan

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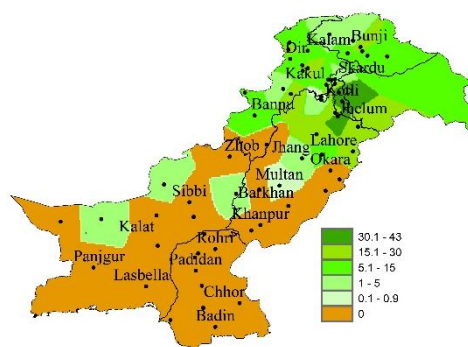


Figure 1: Rainfall.

Rainfall Distribution (mm) during the Previous Week (29th April – 05th May 2024)

Highlights of Past Weather **(29th April – 05th May 2024)**

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- Light to moderate rain was reported from upper half parts of the country during the past week. While dry weather was reported from southern parts of the country.
- Daily maximum temperatures were observed below normal in most parts of the country except coastal region of Sindh and Baluchistan.
- Daily minimum temperatures were observed below normal in the country.
- Below 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 **(29th April – 05th May 2024)**

Punjab

Light to moderate rainfall was reported from Punjab Province. Weekly maximum and minimum temperatures recorded as 33.4°C & 18.0°C respectively. For the recent week on average 144.8 growing degree days were accumulated. Average relative humidity recorded as 45% and wind speed in the morning/evening recorded as 2.8/4.3 Knots. Highest rainfall was reported as 38.0 mm from Jhelum. However, highest maximum temperature was recorded as 41.0°C at Khanpur.

Baluchistan

Light rainfall was reported from the northern parts of the province. Weekly maximum and minimum temperatures recorded as 26.6°C & 14.4°C respectively. For the recent week on average 108.5 growing degree days were accumulated. Average relative humidity recorded 44% and wind speed in the morning/evening recorded as 1.0/6.0 Knots. Highest rainfall was reported as 2.01 mm from Dalbandin and Quetta. However, highest maximum temperature was recorded as 41.0°C at Lasbela.

Khyber Pakhtunkhwa

Light to moderate rainfall was reported from Khyber Pakhtunkhwa. Weekly maximum and minimum temperatures recorded as 24.4°C & 10.8°C respectively. For the recent week on average 88.0 growing degree days were accumulated. Average relative humidity recorded as 58% and wind speed in the morning/evening recorded as 1.6/2.1 Knots. Highest rainfall was reported as 20.01 mm from Cherat. However, highest maximum temperature recorded as 37.5°C at D. I. Khan.

Sindh

Dry weather was reported from Sindh. Weekly maximum and minimum temperatures recorded as 39.1°C & 23.1°C respectively. For the recent week, on average 182.5 growing degree days were accumulated. Average relative humidity recorded as

36% and wind speed in the morning/evening recorded as 2.8/4.7 Knots. Dry weather was reported from Sindh. However, highest maximum temperature recorded as 43.0°C at Nawab Shah.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light to Moderate rainfall was reported from Gilgit Baltistan and Kashmir. Weekly maximum and minimum temperatures recorded as 22.2°C & 9.4°C respectively. For the recent week on average 75.5 growing degree days were accumulated. Average relative humidity recorded as 55%. and wind speed recorded in the morning/evening as 0.8/3.8. Highest rainfall was reported as 42.6 mm from Rawalakot. However, highest maximum temperature recorded as 34.3°C at Kotli.

Past Weather for Major Agricultural Plains (29th**April – 05th May 2024)****Rawalpindi (Potohar region)**

Rainfall reported as 4.7 mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 2.6/4.2 Oktas, average relative humidity observed as 52%. Mean maximum time temperature was recorded as 30.9°C and for the recent week 120.8 growing degree days were accumulated. Wind speed recorded in the morning/evening as 1.4/2.6 Knots. The highest maximum temperature was recorded as 34.0°C.

Faisalabad (Central Punjab)

Rainfall reported as 7.0 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded 2.3/3.3 Oktas while, average relative humidity observed as 48%. Mean maximum time temperature recorded 35.5°C & for the recent week 154.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.0/3.5 Knots. The highest maximum temperature was recorded as 38.5°C.

Tandojam (Lower Sindh)

Dry weather reported during the week; however, cloudiness in the morning/evening recorded 1.0/1.5 Oktas while, average relative humidity observed as 41%. Mean maximum time temperature recorded as 38.6°C & for the recent week 176.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/2.3 Knots. The highest maximum temperature was recorded as 41.0°C.

Usta Muhammad (Eastern Baluchistan)

Dry weather reported during the week; however, cloudiness in the morning/evening recorded as 2.2/1.6. Average relative humidity observed as 45%. Mean maximum time temperature recorded as 39.2°C & for the recent week 169.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/3.2 Knots. The highest maximum temperature was recorded as 41.0°C.

Quetta (Northern Baluchistan)

Rainfall reported as 1.60 mm from Quetta during the week; however, cloudiness in the morning/evening recorded as 2.0/2.7 Oktas while, average relative humidity observed as 36%. Mean maximum time temperature recorded as 22.3°C & for the recent week 80.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.8/3.8 Knots. The highest maximum temperature was recorded as 26.5°C.

Past Weather for Sub-Regional Agricultural**Plains (29th April – 05th May 2024)****Multan**

Rainfall reported as 0.01 (trace) mm during the week; however, cloudiness in the morning/evening recorded as 2.4/2.0 Oktas. Average relative humidity observed as 38%. Mean maximum time temperature recorded as 34.8°C & for the recent week 159.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.7/5.7 Knots.

Lahore

Rainfall reported as 18.41 mm from Lahore during the week; cloudiness in the morning/evening recorded as 2.7/3.1 Oktas, average relative humidity observed as 41%. Mean maximum time temperature recorded as 33.8°C & for the recent week 148.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.7/4.9 Knots.

Zhob

Rainfall reported as 1.00 mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 0.9/2.3 Oktas. Average relative humidity observed as 34%. Mean maximum time temperature recorded as 38.4°C & for the recent week 184.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/3.6 Knots.

Murree

Rainfall reported as 22.51 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 3.3/4.4 Oktas while, average relative humidity observed as 57%. Mean maximum time temperature recorded as 18.4°C & for the recent week 58.1 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/2.3 Knots.

D.I. Khan

Dry weather reported from D.I. Khan during the week; cloudiness in the morning/evening recorded as 2.5/1.7. Average relative humidity observed as 48%. Mean maximum time temperature recorded as 33.4°C & for the recent week 147.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.3/1.3 Knots.

Peshawar

Rainfall reported as 3.01 mm from Peshawar during the week; however, cloudiness in the morning/evening recorded as 2.9/4.6 Oktas while, average relative humidity observed as 59%. Mean maximum time temperature was recorded as 29.7°C & for the recent week 123.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/3.7 Knots.

Kalam

Rainfall reported as 13.3 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 5.0/5.3 Oktas while, average relative humidity observed as 47%. Mean maximum time temperature recorded as 17.1°C & for the recent week 27.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/3.0 Knots.

Gilgit

Rainfall reported as 4.72 mm from Gilgit during the week, cloudiness in the morning/evening recorded as 5.7/5.9 Oktas while, average relative humidity observed as 56%. Mean maximum time temperature recorded as 22.8°C & for the recent week 78.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/5.4 Knots.

Skardu

Rainfall reported as 7.8 mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 5.3/5.3 Oktas while, average relative humidity observed as 47%. Mean maximum time temperature recorded as 19.5°C & for the recent week 55.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/3.0 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: True Third Leaf. 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: Very Good

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

Actual & Departure of Maximum temperature (°C) for the Previous week (29th April – 05th May 2024)

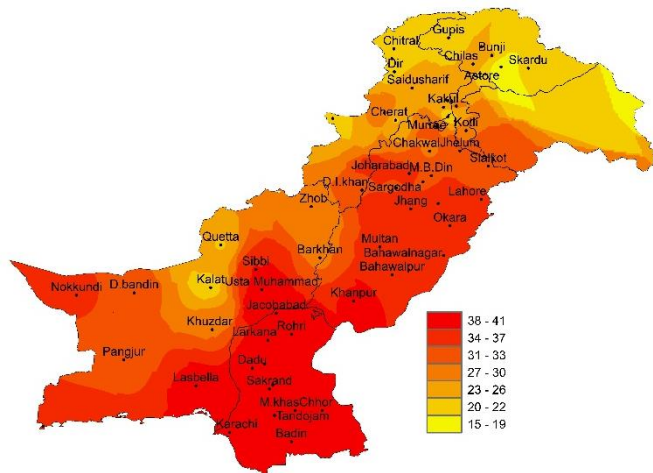


Figure 2: Actual Maximum temperature.

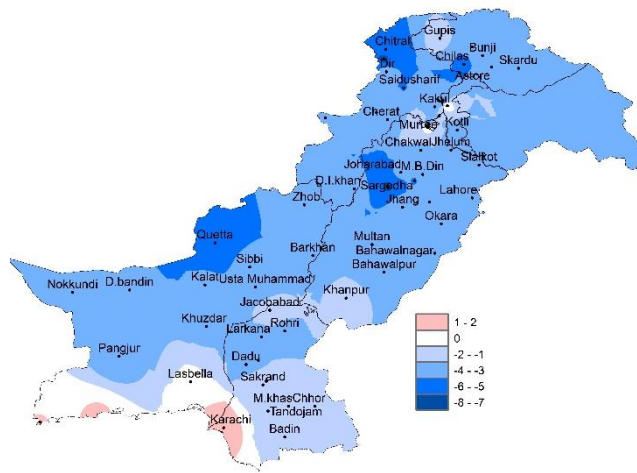


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (29th April – 05th May 2024)

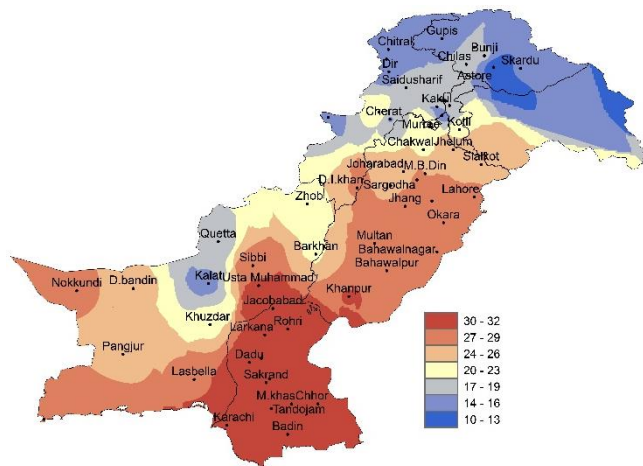


Figure 4: Actual Mean temperature.

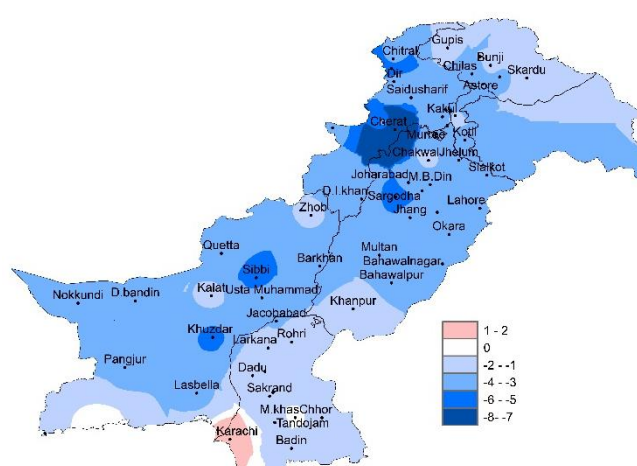


Figure 5: Departure of Mean temperature.

- Departure = Actual – Normal

Actual Minimum temperature (°C) during the

Previous week (29th April – 05th May 2024)

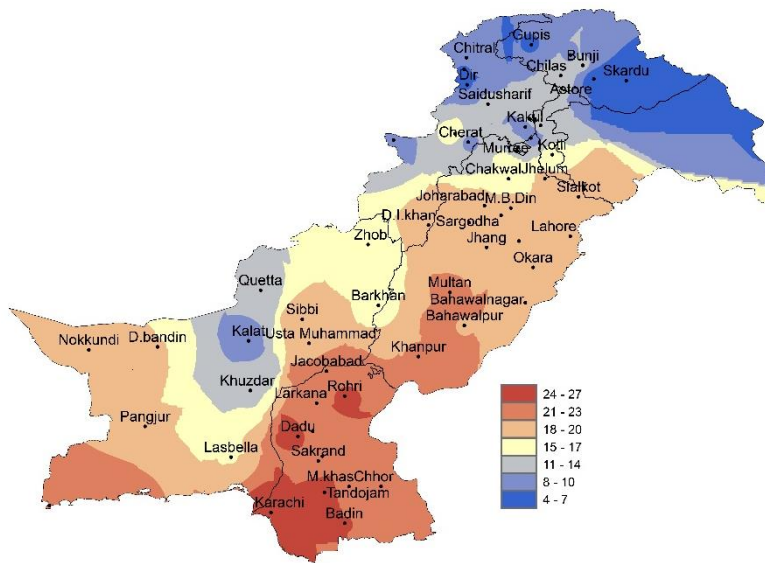


Figure 6: Actual Minimum temperature.

Departure of Minimum temperature (°C) during the

Previous week (29th April – 05th May 2024)

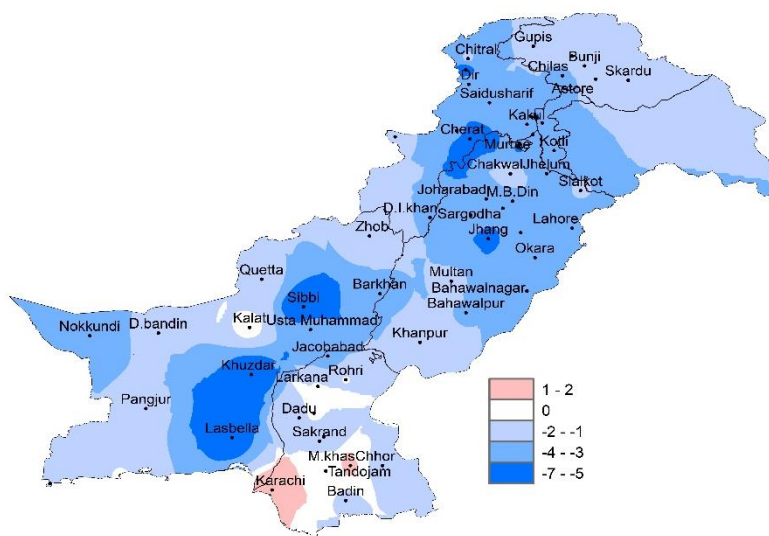


Figure 7: Departure of Minimum temperature.

Mean Relative Humidity (%) during the
Previous week (29th April – 05th May 2024)

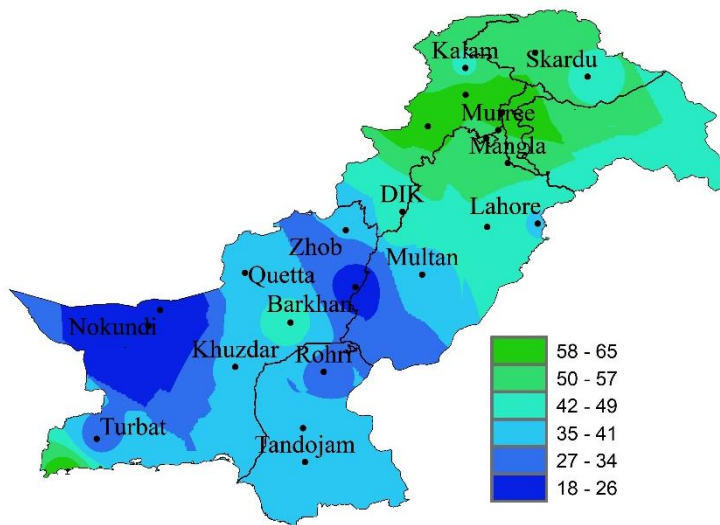


Figure 8: Relative Humidity

Total Growing Degree Days accumulated during the
Previous week (29th April – 05th May 2024)

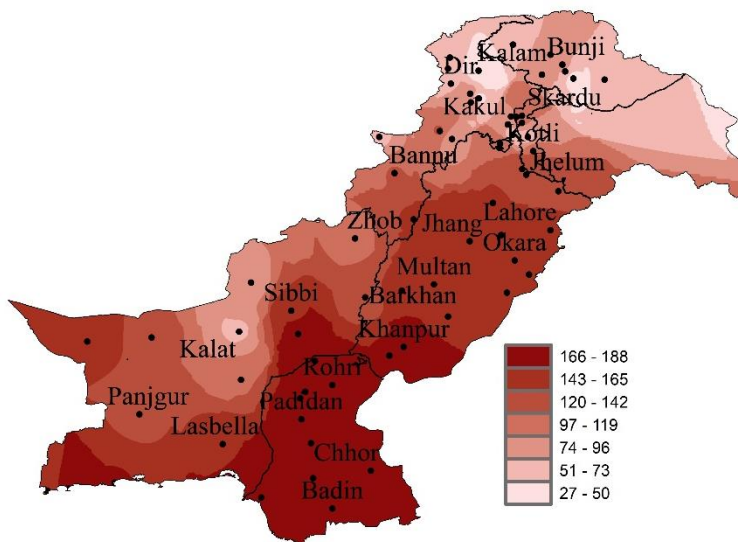


Figure 9: Growing Degree Days

Mean Cloudiness (Octas) at 0800PST during the Previous week (29th April – 05th May 2024)

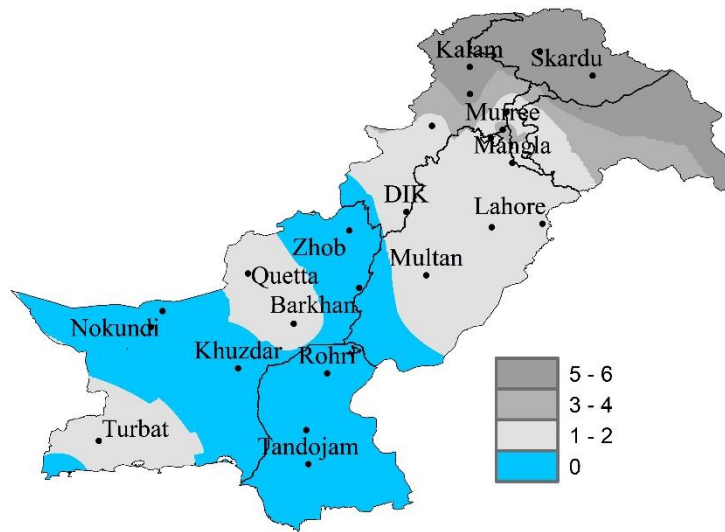


Figure 10: Mean Cloudiness at 0800

Mean Cloudiness (Octas) at 1700PST during the Previous week (29th April – 05th May 2024)

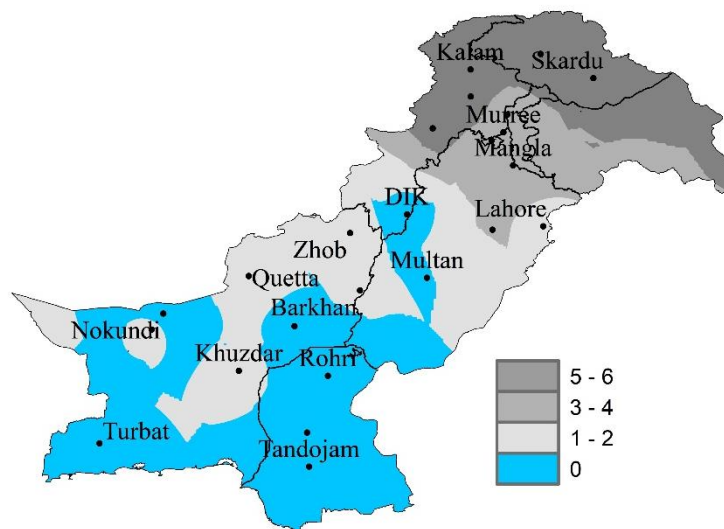


Figure 11: Mean Cloudiness at 1700

**Mean Wind Speed (Knots) at 0800PST during the
Previous week (29th April – 05th May 2024)**

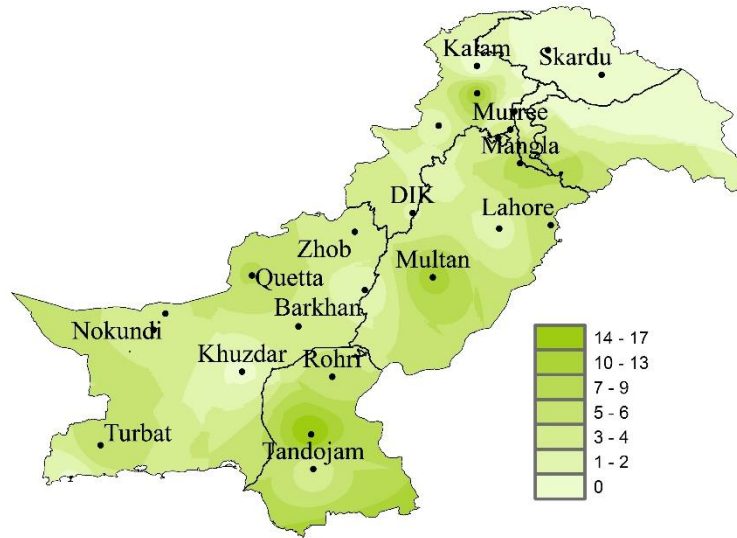


Figure 12: Mean Wind Speed 0300

**Mean Wind Speed (Knots) at 1700PST during the
Previous week (29th April – 05th May 2024)**

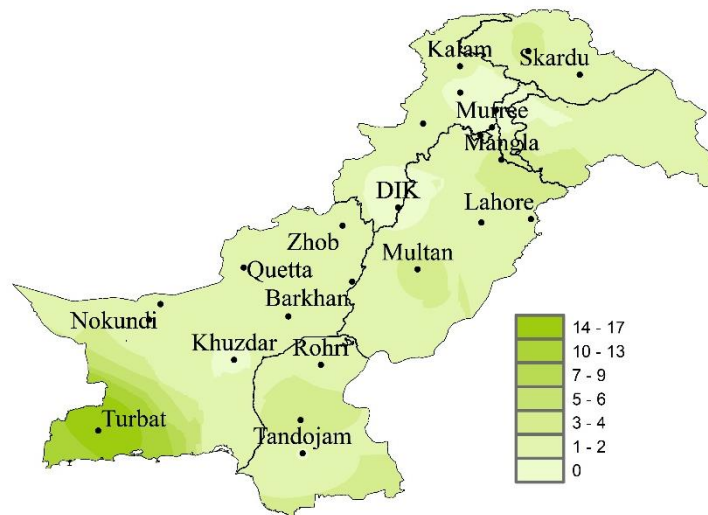
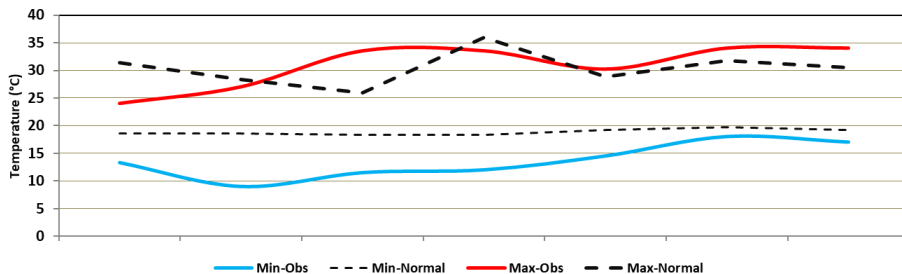


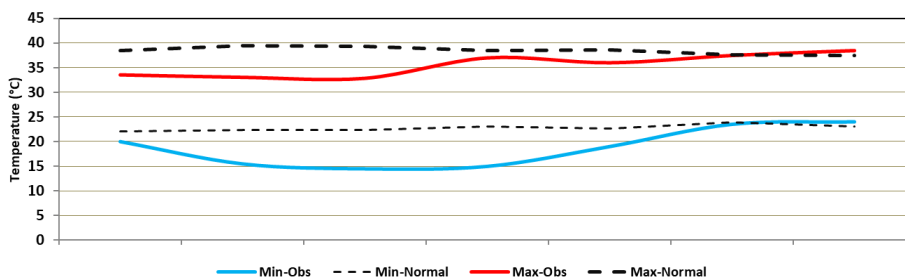
Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal)
during the previous week (29th April – 05th May 2024)

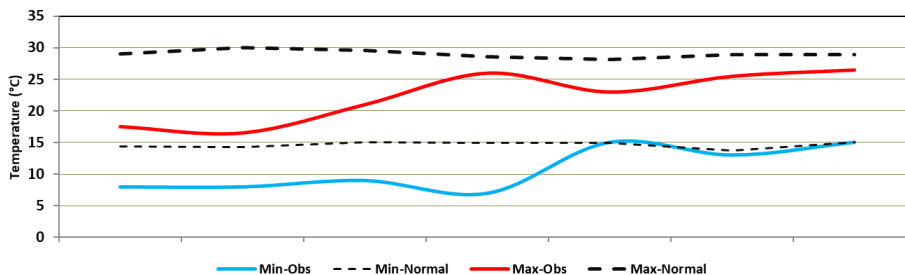
Rawalpindi (Min & Max Temperatures)



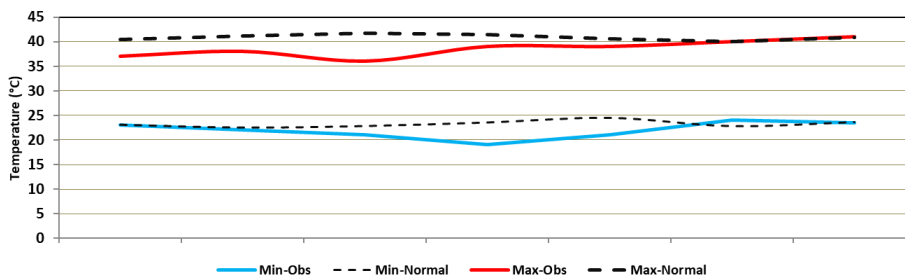
Faisalabad (Min & Max Temperatures)



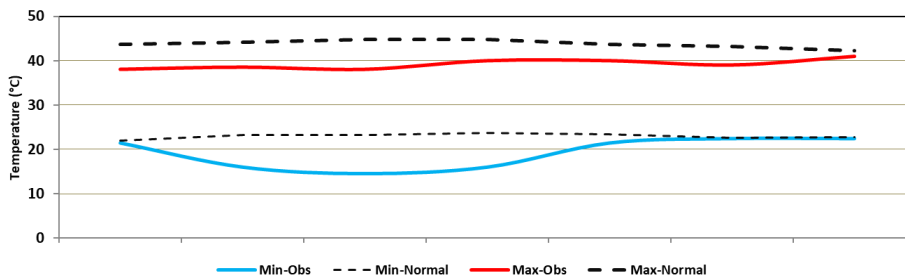
Quetta (Min & Max Temperatures)



Tandojam (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**(06th – 12th May 2024)**

Continental air is prevailing over most parts of the country.

MONDAY**06-05-2024**

Mainly hot and dry weather is expected in most parts of the country. However, partly cloudy weather conditions with light rain-thunderstorm may occur at isolated places in Gilgit-Baltistan. Day temperatures are likely to increase gradually in plain areas of the country.

TUESDAY**07-05-2024**

Mainly hot and dry weather is expected in most parts of the country. However, partly cloudy weather conditions with light rain-thunderstorm may occur at isolated places in Gilgit-Baltistan. Day temperatures are likely to increase gradually in plain areas of the country.

WEDNESDAY**08-05-2024**

Mainly hot and dry weather is expected in most parts of the country. Partly cloudy weather is likely in upper Khyber-Pakhtunkhwa and Gilgit-Baltistan. Day temperatures are likely to increase gradually in plain areas.

THURSDAY**09-05-2024**

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

FRIDAY**10-05-2024**

Mainly hot and dry weather is expected in most parts of the country, while dust raising winds are likely in southern parts. However, rain-thunderstorm/windstorm is expected at isolated places in north Balochistan, Potohar region, Khyber-Pakhtunkhwa, Gilgit-Baltistan and Kashmir-

SATURDAY**11-05-2024**

Rain-thunderstorm/windstorm is expected at isolated places in Khyber-Pakhtunkhwa, Punjab, north Baluchistan, upper Singh, Gilgit-Baltistan, Kashmir and Islamabad. Hot and dry weather is likely elsewhere in the country.

SUNDAY**12-05-2024**

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

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (29th April – 05th 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	33.4	37.5	147.3	47.9	0.0	2.5	1.7	1.3	1.3
Faisalabad	18.8	14.5	154.9	48.0	7.0	2.3	3.3	1.0	3.5
Gawadar	34.9	36.5	169.5	61.5	0.0	1.4	1.0	0.6	12.3
Gilgit	22.8	30.0	78.3	56.0	4.7	5.7	5.9	0.0	5.4
Kalam	17.1	22.0	27.3	46.6	13.3	5.0	5.3	0.0	3.0
Lahore	33.8	37.0	148.4	40.5	12.0	2.7	3.1	2.7	4.9
Malam Jabba	15.0	19.0	32.1	61.8	19.0	4.5	5.3	4.0	2.0
Mangla	32.3	36.5	133.8	51.3	26.8	3.0	3.7	3.3	6.9
Multan (PBO)	34.8	39.0	159.3	37.6	0.0	2.4	2.0	3.7	5.7
Murree	18.4	23.5	58.1	56.7	22.5	3.3	4.4	2.0	2.3
Muzaffarabad	26.0	32.5	97.2	64.6	14.5	2.7	3.9	0.0	0.0
Sh. Ben. Abad	40.8	43.0	182.1	35.1	0.0	1.4	1.7	4.9	7.4
Peshawar	29.7	35.0	123.6	58.6	3.0	2.9	4.6	1.1	3.7
Quetta	10.7	7.0	80.5	36.0	1.6	2.0	2.7	2.8	3.8
Rawalpindi	13.6	9.0	120.8	51.7	4.7	2.6	4.2	1.4	2.6
Rohri	38.1	41.5	181.3	31.8	0.0	0.9	1.3	2.3	4.3
Skardu	19.5	24.7	55.7	46.6	7.8	5.3	5.3	0.0	3.0
Tandojam	21.9	19.0	176.8	40.5	0.0	1.0	1.5	1.4	2.3
U.Muhammad	19.2	14.5	169.5	45.2	0.0	2.2	1.6	2.0	3.2
Zhob	38.4	39.5	184.0	33.8	0.0	0.9	2.3	2.0	3.6

*** Shows that data was not available.