

Weekly Weather and Crop Bulletin for Pakistan

**NATIONAL AGROMET CENTRE
PAKISTAN METEOROLOGICAL
DEPARTMENT SECTOR H-8/2,**

ISLAMABAD

Phone: +92-51-9250299

Email: dirnamc@yahoo.com

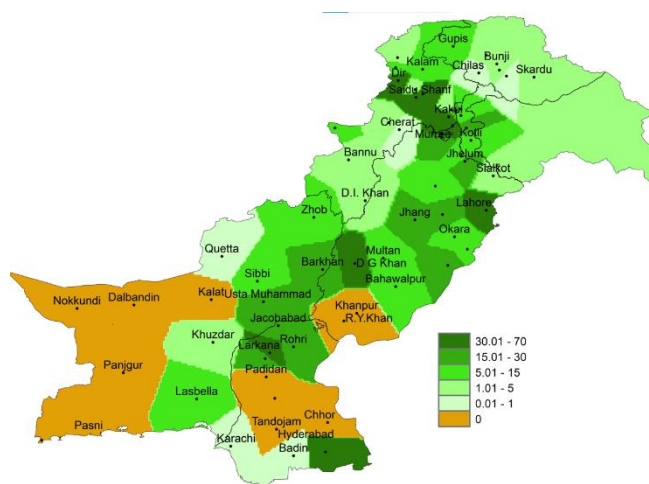


Figure 1: Rainfall.

Rainfall Distribution (mm) during the Previous Week (17th – 23rd June 2024)

Contents

Highlights of past weather	1
Past weather for Agri Plains	2-4
Crop progress	4
Agrometeorological parameters	
• Temperature	5-6
• R.H and GDD	7
• Cloudiness	8
• Wind speed	9
Comparison of temperatures for RAMCs during the previous week	10
Weather Outlook	11
Advisory for Farmers	11
National data for selected stations	12

Highlights of Past Weather (17th – 23rd June 2024)

- Light to moderate rainfall was observed almost all over the country during the previous week.
- Daily maximum temperatures were observed above normal in most parts of Punjab and KP.
- Daily minimum temperatures were observed above normal almost all over the country.
- Normal to 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 **(17th – 23rd June 2024)**

Punjab

Light to moderate rainfall was reported from Punjab Province. Weekly maximum and minimum temperatures recorded as 40.7°C & 27.2°C respectively. For the recent week on average 132.5 growing degree days were accumulated. Average relative humidity recorded as 48% and wind speed in the morning/evening recorded as 4.0/5.2 Knots. Maximum rainfall was reported as 39.00 mm from Murree. However, highest maximum temperature was recorded as 48.5°C at Bhakkar.

Baluchistan

Light to moderate rainfall was reported from the province. Weekly maximum and minimum temperatures recorded as 36.7°C & 24.0°C respectively. For the recent week on average 177.5 growing degree days were accumulated. Average relative humidity recorded 32% and wind speed in the morning/evening recorded as 1.7/7.8 Knots. Maximum rainfall was reported as 20.00 mm from Barkhan. However, highest maximum temperature was recorded as 48.5°C at Sibbi.

Khyber Pakhtunkhwa

Light to moderate rainfall was observed in the province. Weekly maximum and minimum temperatures recorded as 35.8°C & 21.2°C respectively. For the recent week on average 164.7 growing degree days were accumulated. Average relative humidity recorded as 52% and wind speed in the morning/evening recorded as 1.4/4.2 Knots. Maximum rainfall was reported as 54.00 mm from Malam Jabba. However, highest maximum temperature recorded as 46.0°C at Bannu and D. I. Khan.

Sindh

Light to moderate rainfall was reported from Sindh. Weekly maximum and minimum temperatures recorded as 40.9°C & 28.3°C respectively. For the recent week, on average 137.2 growing degree days were accumulated. Average relative humidity

recorded as 58% and wind speed in the morning/evening recorded as 6.2/6.0 Knots. Maximum rainfall was reported as 70.00 mm from Mithi. However, highest maximum temperature recorded as 48.00°C at Jacobabad.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light rainfall was reported from most parts of Gilgit Baltistan while light to moderate was reported from Kashmir. Weekly maximum and minimum temperatures recorded as 32.1°C & 18.1°C respectively. For the recent week on average 140.7 growing degree days were accumulated. Average relative humidity recorded as 45%. and wind speed recorded in the morning/evening as 0.2/3.7. Highest rainfall was reported as 19.00 mm from Muzaffarabad. However, highest maximum temperature recorded as 43.9°C at Kotli.

Past Weather for Major Agricultural Plains**(17th – 23rd June 2024)****Rawalpindi (Potohar region)**

Rainfall reported as 23.90 mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 3.2/4.0 Oktas, average relative humidity observed as 46%. Mean maximum time temperature was recorded as 41.1°C and for the recent week 123.1 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.3/2.3 Knots. The highest maximum temperature was recorded as 44.5°C.

Faisalabad (Central Punjab)

Rainfall reported as 9.80 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded 2.1/2.6 Oktas while, average relative humidity observed as 50%. Mean maximum time temperature recorded 40.6°C & for the recent week 135.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.3/4.9 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 as 2.9/1.9 oktas while, average relative humidity observed as 66%. Mean maximum time temperature recorded as 39.0°C & for the recent week 127.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 6.5/7.1 Knots. The highest maximum temperature was recorded as 42.0°C.

Usta Muhammad (Eastern Baluchistan)

Rainfall reported as 17.00 mm during the week; however, cloudiness in the morning/evening recorded as 1.4/1.0. Average relative humidity observed as 44%. Mean maximum time temperature recorded as 43.5°C & for the recent week 199.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.4/3.1 Knots. The highest maximum temperature was recorded as 47.5°C.

Quetta (Northern Baluchistan)

Rainfall reported as 0.01 (trace) mm from Quetta during the week; however, cloudiness in the morning/evening recorded as 0.5/3.0 Oktas while, average relative humidity observed as 27%. Mean maximum time temperature recorded as 34.2°C & for the recent week 152.1 growing degree days accumulated. Wind speed recorded in the

morning/evening as 2.1/4.7 Knots. The highest maximum temperature was recorded as 35.6°C.

Past Weather for Sub-Regional Agricultural Plains (17th – 23rd June 2024)**Multan**

Rainfall reported as 10.40 mm during the week; however, cloudiness in the morning/evening recorded as 3.0/3.1 Oktas. Average relative humidity observed as 52%. Mean maximum time temperature recorded as 40.0°C & for the recent week 137.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 7.4/8.9 Knots.

Lahore

Rainfall reported as 33.00 mm from Lahore during the week; cloudiness in the morning/evening recorded as 4.5/3.6 Oktas, average relative humidity observed as 42%. Mean maximum time temperature recorded as 40.5°C & for the recent week 134.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.7/4.3 Knots.

Zhob

Rainfall reported as 14.00 mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 0.7/3.1 Oktas. Average relative humidity observed as 34%. Mean maximum time temperature recorded as 36.7 °C & for the recent week 177.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.6/5.4 Knots.

Murree

Rainfall reported as 39.00 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 1.7/4.3 Oktas while, average relative humidity observed as 51%. Mean maximum time temperature recorded as 28.7°C & for the recent week 55.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 4.0/2.6 Knots.

D.I. Khan

Rainfall reported as 4.40 mm from D.I. Khan during the week; however, cloudiness observed in the morning/evening recorded as 2.3/2.0. Average relative humidity observed as 48%. Mean maximum time temperature recorded as 41.8°C & for the recent week 209.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/2.0 Knots.

Peshawar

Rainfall reported as 3.01 mm from Peshawar during the week; however, cloudiness in the morning/evening recorded as 2.7/5.1 Oktas while, average relative humidity observed as 47%. Mean maximum time temperature was recorded as 40.6°C & for the recent week 194.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.3/3.7 Knots.

Kalam

Rainfall reported as 11.50 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 2.1/5.9 Oktas while, average relative humidity observed as 44%. Mean maximum time temperature recorded as 26.1°C & for the recent week 104.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/4.0 Knots.

Gilgit

Rainfall reported as 1.62 mm from Gilgit during the week, cloudiness in the morning/evening recorded as 5.1/5.7 Oktas while, average relative humidity observed as 48%. Mean maximum time temperature recorded as 32.3°C & for the recent week 138.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/6.9 Knots.

Skardu

Rainfall reported as 1.02 mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 4.7/5.9 Oktas while, average relative humidity observed as 44%. Mean maximum time temperature recorded as 27.0°C & for the recent week 105.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/4.0 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: Flowering. Condition: *Very Good*.

Lower Sindh (Tandojam)

Cotton crop is in the fields. Date of sowing 14-05-2024. Phonological Stage: Third True Leaf. 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 sown in the fields of RAMC Usta Muhammad. Date of sowing 01-06-2024.

Actual & Departure of Maximum temperature (°C) for the Previous week (17th – 23rd June 2024)

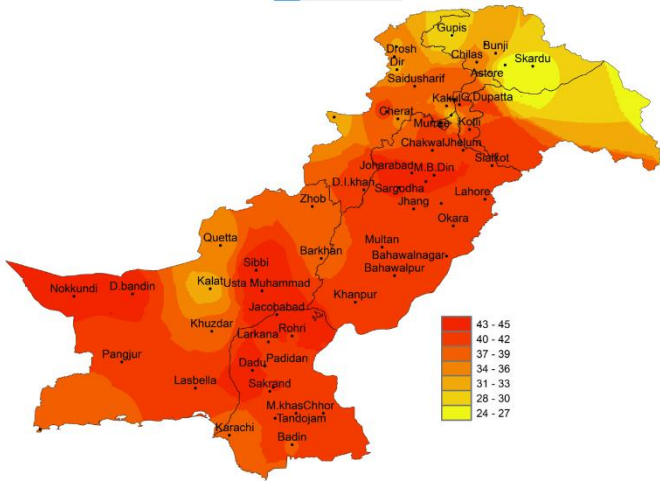


Figure 2: Actual Maximum temperature.

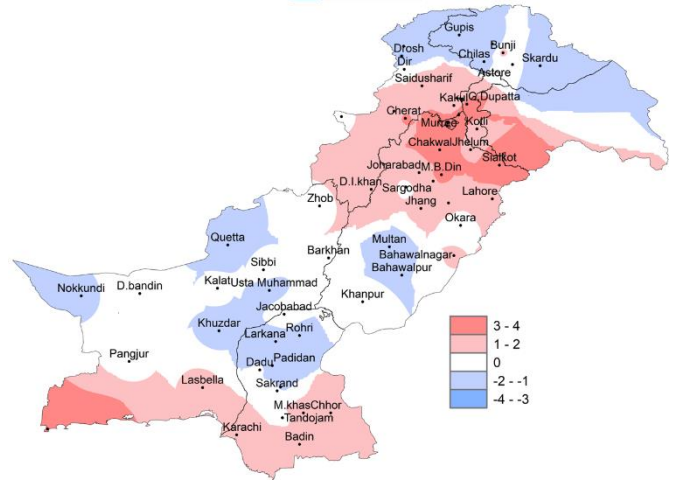


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (17th – 23rd June 2024)

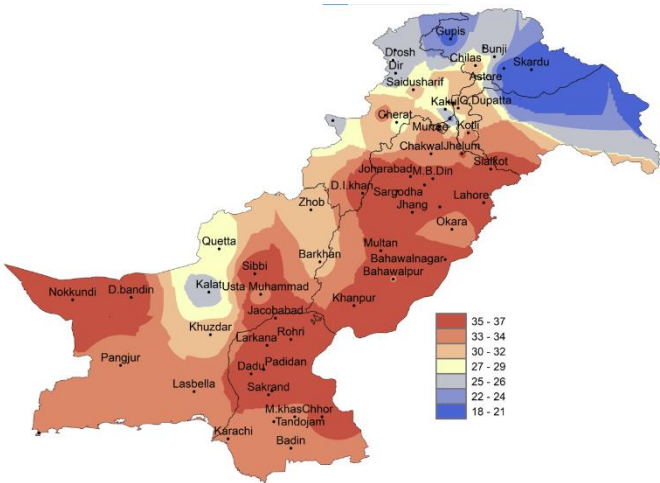


Figure 5: Actual Mean temperature.

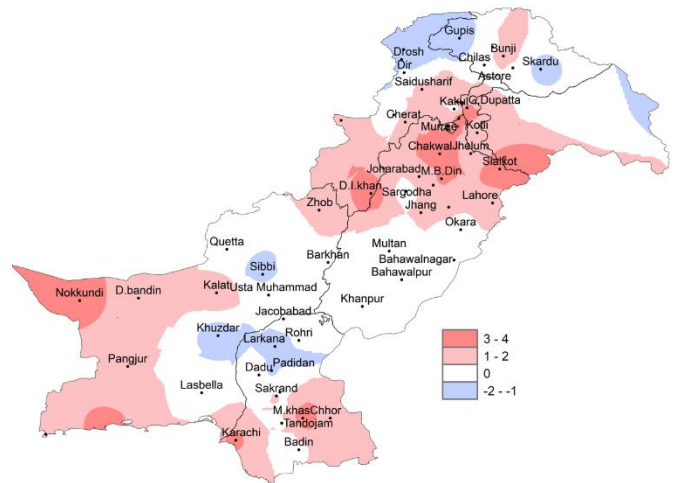


Figure 4: Departure of Mean temperature.

**Actual Minimum temperature (°C) during the
Previous week (17th – 23rd June 2024)**

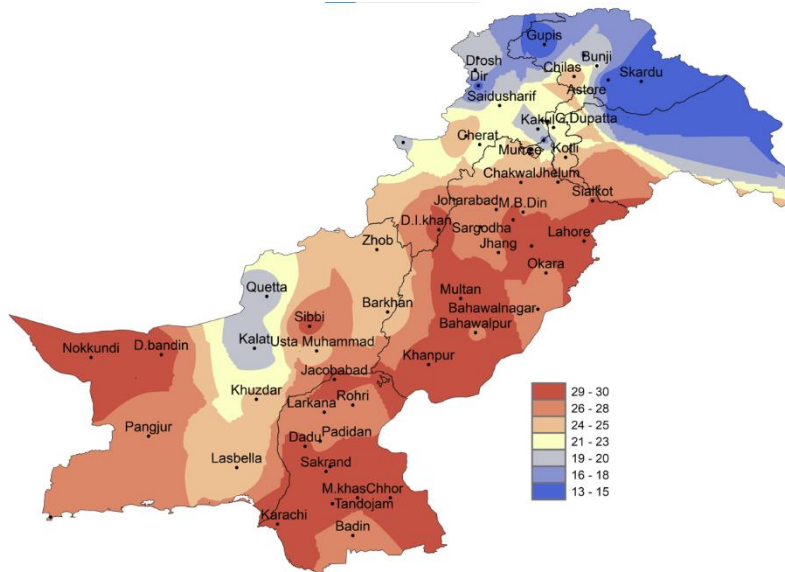


Figure 6: Actual Minimum temperature.

**Departure of Minimum temperature (°C) during the
Previous week (17th – 23rd June 2024)**

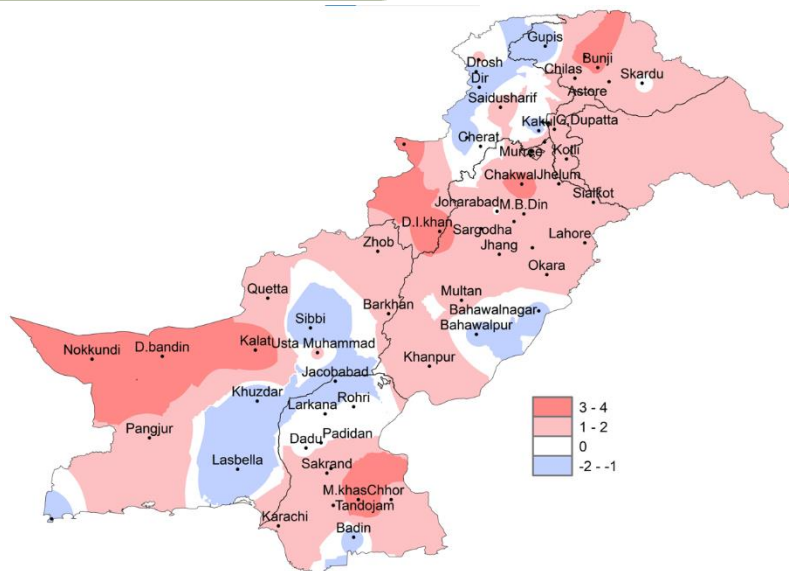


Figure 7: Departure of Minimum temperature.

**Mean Relative Humidity (%) during the
Previous week (17th – 23rd June 2024)**

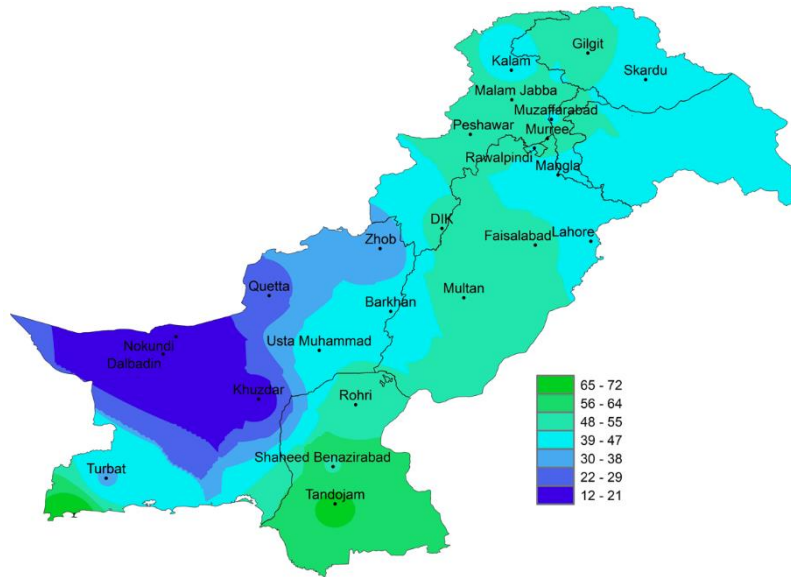


Figure 8: Relative Humidity

**Total Growing Degree Days accumulated during the
Previous week (17th – 23rd June 2024)**

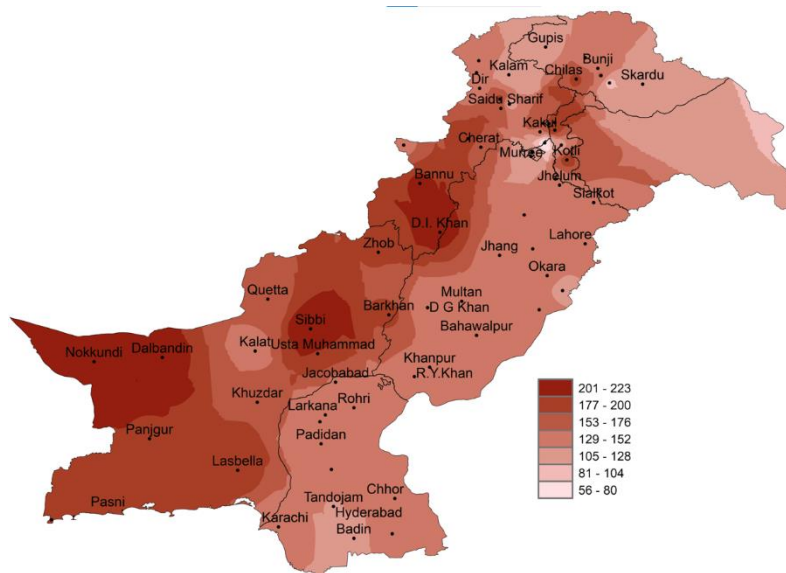


Figure 9: Growing Degree Days

**Mean Cloudiness (Octas) at 0800PST during the
Previous week (17th – 23rd June 2024)**

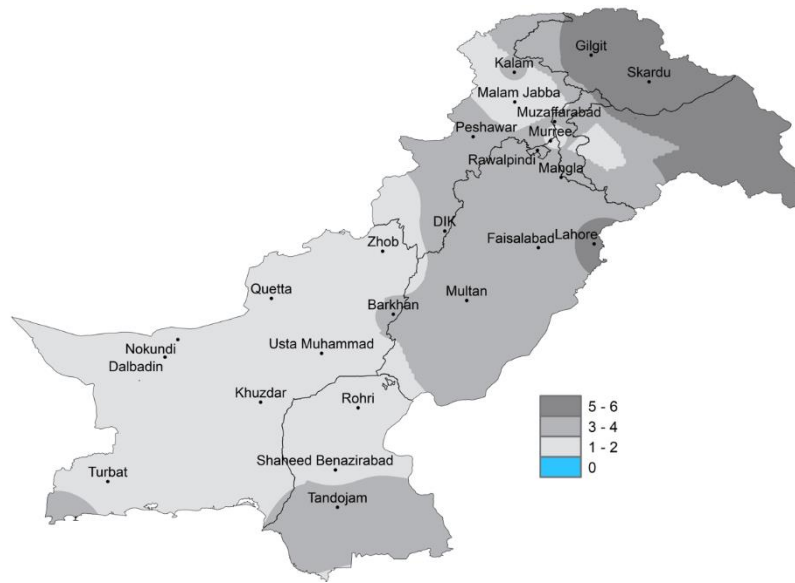


Figure 10: Mean Cloudiness at 0800

**Mean Cloudiness (Octas) at 1700PST during the
Previous week (17th – 23rd June 2024)**

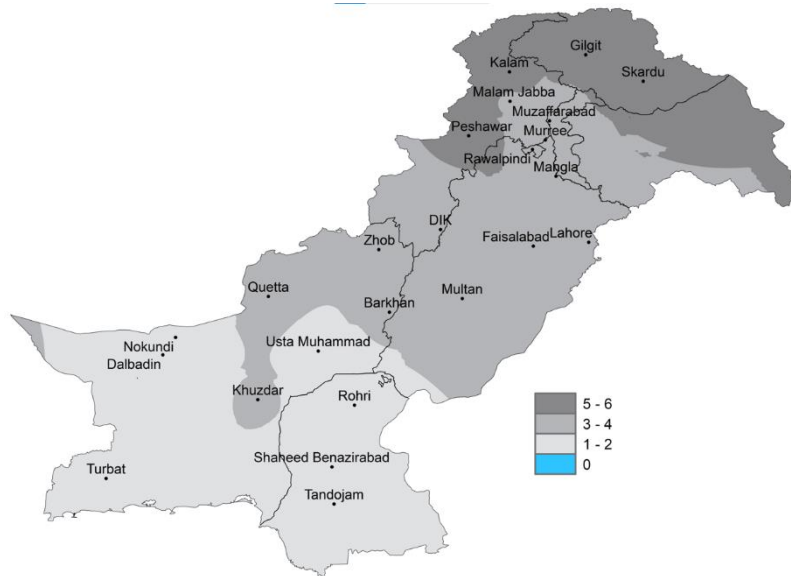


Figure 11: Mean Cloudiness at 1700

**Mean Wind Speed (Knots) at 0800PST during the
Previous week (17th – 23rd June 2024)**

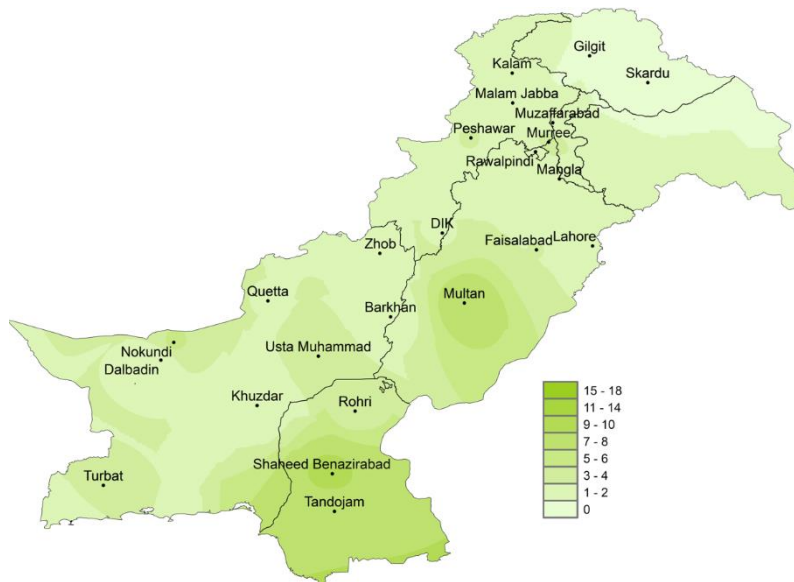


Figure 12: Mean Wind Speed 0300

**Mean Wind Speed (Knots) at 1700PST during the
Previous week (17th – 23rd June 2024)**

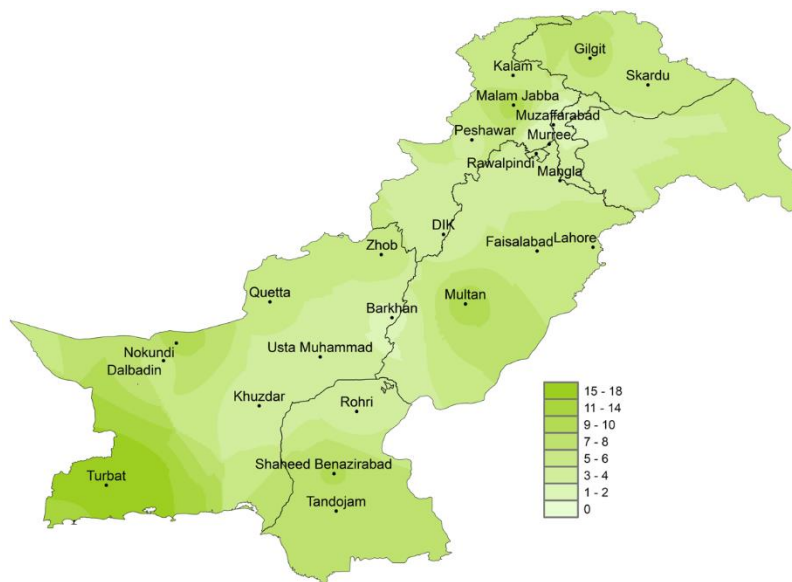
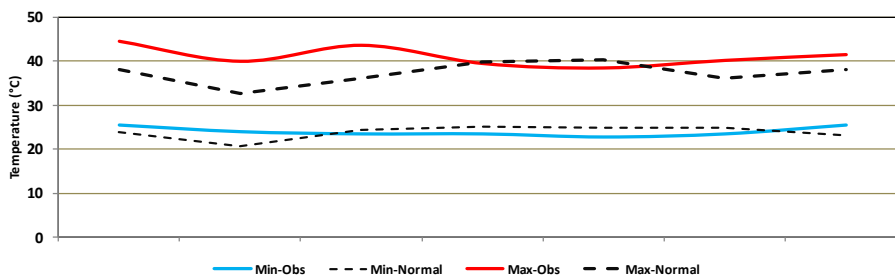


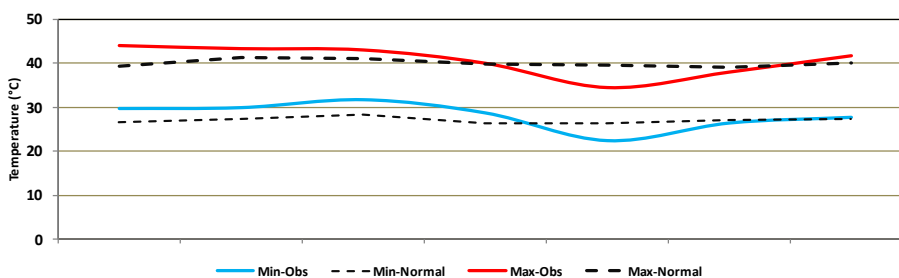
Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal)
during the previous week (17th – 23rd June 2024)

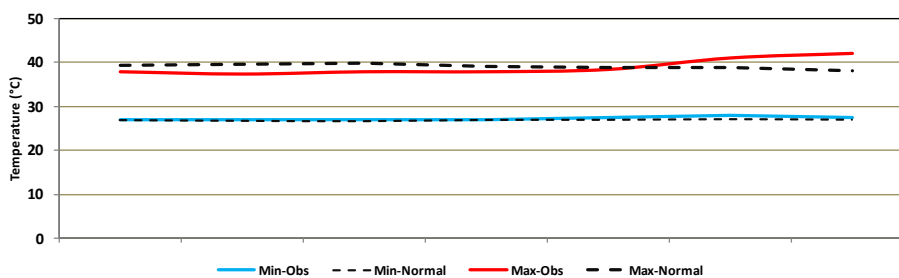
Rawalpindi (Min & Max Temperatures)



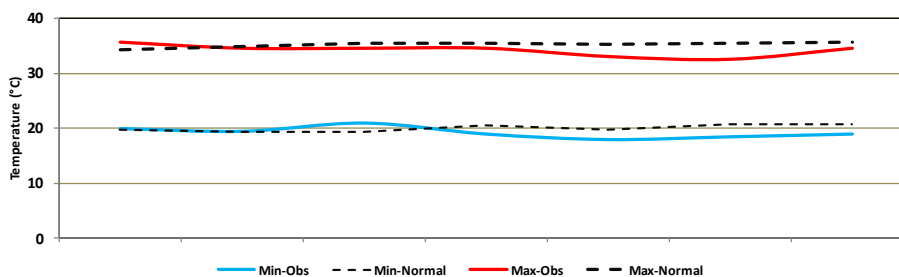
Faisalabad (Min & Max Temperatures)



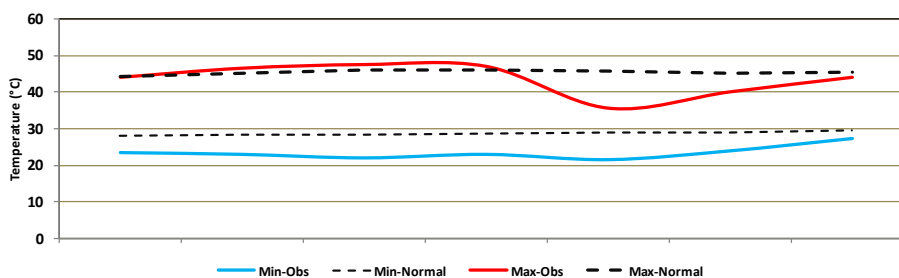
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**(24th – 30th June 2024)**

Continental air is prevailing over most parts of the country. A shallow westerly wave is likely to affect upper parts of the country. Moist currents from Arabian Sea are likely to enter southern and central parts of the country from 26th June.

MONDAY**24-06-2024**

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

TUESDAY**25-06-2024**

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

WEDNESDAY**26-06-2024**

Mainly hot and humid weather is expected in most parts of the country, while very hot and humid in central and southern parts. However, partly cloudy weather with rain-wind/thunderstorm is likely at isolated places in Gilgit Baltistan and Kashmir.

THURSDAY**27-06-2024**

Mainly hot and humid weather is expected in most parts of the country, while very hot and humid in central and southern parts. However, partly cloudy weather with rain-wind/thunderstorm is likely at isolated places in Gilgit Baltistan, Kashmir and northeast Punjab.

FRIDAY**28-06-2024**

Mainly hot and humid weather is expected in most parts of the country, while very hot and humid in central and southern parts. Isolated rain-wind/thunderstorm is expected in Kashmir, Swat, Kohistan, Potohar region, Islamabad and northeast Punjab.

SATURDAY**29-06-2024**

Mainly hot and humid weather is expected in most parts of the country, while very hot and humid in central and southern parts. Isolated rain-wind/thunderstorm is expected in Kashmir, Swat, Kohistan, Potohar region, Islamabad and northeast Punjab.

SUNDAY**30-06-2024**

Rain-wind/thunderstorm is expected in Kashmir, upper Khyber Pakhtunkhwa, Gilgit Baltistan, Potohar region, Islamabad and northeast Punjab.

While Partly cloudy hot and humid weather is likely in central and southern areas of the country.

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (17th – 23rd June 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	41.8	46.0	209.5	48	4.4	2.3	2.0	2.0	2.0
Faisalabad	40.6	44.0	135.9	50	9.8	2.1	2.6	2.3	4.9
Gawadar	38.0	47.5	195.8	73	0.0	2.7	0.0	1.4	13.1
Gilgit	32.3	37.0	138.8	48	1.6	5.1	5.7	0.0	6.9
Kalam	26.1	30.5	104.3	44	11.5	2.1	5.9	0.0	4.0
Lahore	40.5	44.3	134.9	42	33.0	4.5	3.6	0.7	4.3
Malam Jabba	25.9	30.5	107.5	53	54.0	1.0	4.1	1.4	9.1
Mangla	41.4	46.0	131.1	41	12.0	2.2	2.4	0.7	4.0
Multan (PBO)	40.0	44.5	137.7	52	10.4	3.0	3.1	7.4	8.9
Murree	28.7	32.3	55.5	51	39.0	1.7	4.3	4.0	2.6
Muzaffarabad	38.7	43.1	178.9	46	19.0	2.0	2.3	0.0	0.0
Sh. Ben. Abad	42.2	44.2	145.4	55	0.0	1.6	0.3	8.9	8.3
Peshawar	40.6	44.0	194.8	47	3.0	2.7	5.1	2.3	3.7
Quetta	34.2	35.6	152.1	27	0.0	0.5	3.0	2.1	4.7
Rawalpindi	41.1	44.5	123.1	46	23.9	3.2	4.0	0.3	2.3
Rohri	41.9	45.0	137.8	53	27.0	1.4	0.4	3.1	2.6
Skardu	27.0	29.4	105.5	44	1.0	4.7	5.9	0.0	4.0
Tandojam	39.0	42.0	127.0	66	0.0	2.9	1.9	6.5	7.1
U.Muhammad	43.5	47.5	199.5	44	17.0	1.4	1.0	3.4	3.1
Zhob	36.7	41.0	177.5	34	14.0	0.7	3.1	1.6	5.4

*** Shows that data was not available.