

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

Rainfall Distribution (mm) during the Previous Week (10th – 16th June 2024)

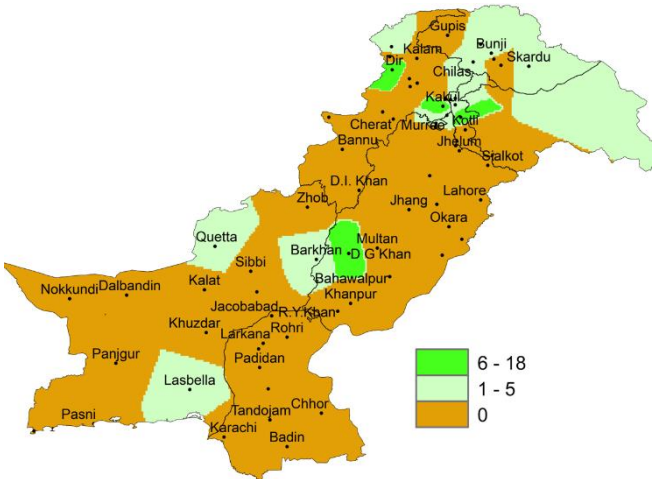


Figure 1: Rainfall.

Highlights of Past Weather
(10th – 16th June 2024)

- Dry weather was reported from most parts of the country except some isolated locations of Balochistan, southwestern Punjab, northwestern KP, GB and Kashmir where light rainfall was observed during the previous week.
- Daily maximum temperatures were observed above normal in most parts of the country.
- Daily minimum temperatures were observed above normal in most parts of the country.
- Above normal mean daily temperatures were observed in the country.

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

Patron-in-Chief: Mr. Mahr Sahibzad Khan (Director General)
Editor-in-Chief: Ms. Asma Jawad Hashmi (Director)
Editor: Ms. Beenish Nazakat (Assistant Meteorologist)

Past Weather of Provinces **(10th – 16th June 2024)**

Punjab

Light rainfall was reported from a few stations of southwestern Punjab while dry weather observed over the rest parts of the province. Weekly maximum and minimum temperatures recorded as 43.7°C & 27.2°C respectively. For the recent week on average 143.1 growing degree days were accumulated. Average relative humidity recorded as 32% and wind speed in the morning/evening recorded as 5.3/6.0 Knots. Maximum rainfall was reported as 7.01 mm from D. G. Khan. However, highest maximum temperature was recorded as 49.0°C at Bhakkar.

Baluchistan

Light rainfall was reported from a few isolated locations whereas dry weather reported from rest parts of the province. Weekly maximum and minimum temperatures recorded as 38.0°C & 23.8°C respectively. For the recent week on average 186.6 growing degree days were accumulated. Average relative humidity recorded 31% and wind speed in the morning/evening recorded as 2.0/6.1 Knots. Maximum rainfall was reported as 1.00 mm from Lasbella. However, highest maximum temperature was recorded as 48.0°C at Sibbi.

Khyber Pakhtunkhwa

Light rainfall was reported from a few isolated locations of northwestern parts of Khyber Pakhtunkhwa while dry weather observed over the rest parts of the province. Weekly maximum and minimum temperatures recorded as 37.7°C & 20.8°C respectively. For the recent week on average 169.6 growing degree days were accumulated. Average relative humidity recorded as 40% and wind speed in the morning/evening recorded as 0.8/2.3 Knots. Maximum rainfall was reported as 18.0 mm from Dir. However, highest maximum temperature recorded as 45.5°C at Bannu and D. I. Khan.

Sindh

Dry weather was reported from Sindh. Weekly maximum and minimum temperatures recorded as 41.6°C & 28.2°C respectively. For the recent week, on average 139.6 growing degree days were accumulated. Average relative humidity recorded as 55% and wind speed in the morning/evening recorded as 5.7/7.6 Knots. Highest maximum temperature recorded as 48.0°C at Jacobabad.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light rainfall was reported from most parts of Gilgit Baltistan and Kashmir. Weekly maximum and minimum temperatures recorded as 33.9°C & 16.9°C respectively. For the recent week on average 142.7 growing degree days were accumulated. Average relative humidity recorded as 35%. and wind speed recorded in the morning/evening as 0.9/4.3. Maximum rainfall was reported as 7.01 mm from Rawalakot. However, highest maximum temperature recorded as 43.0°C at Garhi Dopatta.

Past Weather for Major Agricultural Plains**(10th – 16th June 2024)****Rawalpindi (Potohar region)**

Dry weather reported from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 0.0/1.6 Oktas, average relative humidity observed as 34%. Mean maximum time temperature was recorded as 43.3°C and for the recent week 130.0 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.3/0.8 Knots. The highest maximum temperature was recorded as 44.5°C.

Faisalabad (Central Punjab)

Dry weather reported from Faisalabad during the week; however, cloudiness in the morning/evening recorded 0.4/0.3 Oktas while, average relative humidity observed as 32%. Mean maximum time temperature recorded 43.7°C & for the recent week 147.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.9/3.7 Knots. The highest maximum temperature was recorded as 45.2°C.

Tandojam (Lower Sindh)

Dry weather reported during the week; however, cloudiness in the morning/evening recorded as 1.6/0.3 oktas while, average relative humidity observed as 62%. Mean maximum time temperature recorded as 40.6°C & for the recent week 128.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 5.4/9.1 Knots. The highest maximum temperature was recorded as 43.0°C.

Usta Muhammad (Eastern Baluchistan)

Dry weather reported during the week; however, clear sky has been observed in the morning/evening recorded. Average relative humidity observed as 38%. Mean maximum time temperature recorded as 46.1°C & for the recent week 207.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.1/2.5 Knots. The highest maximum temperature was recorded as 47.5°C.

Quetta (Northern Baluchistan)

Dry weather reported from Quetta during the week; however, cloudiness in the morning/evening recorded as 1.0/3.2 Oktas while, average relative humidity observed as 25%. Mean maximum time temperature recorded as 34.8°C & for the recent week 153.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.2/2.6 Knots. The highest maximum temperature was recorded as 36.0°C.

Past Weather for Sub-Regional Agricultural Plains**(10th – 16th June 2024)****Multan**

Dry weather reported during the week; however, cloudiness in the morning/evening recorded as 0.0/1.5 Oktas. Average relative humidity observed as 34%. Mean maximum time temperature recorded as 43.3°C & for the recent week 151.2 growing degree days accumulated. Wind speed recorded in the morning/evening as 11.7/11.7 Knots.

Lahore

Dry weather reported from Lahore during the week; cloudiness in the morning/evening recorded as 0.5/0.0 Oktas, average relative humidity observed as 28%. Mean maximum time temperature recorded as 44.0°C & for the recent week 149.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.7/4.3 Knots.

Zhob

Dry weather reported from Zhob during the week; however, cloudiness in the morning/evening recorded as 0.3/2.3 Oktas. Average relative humidity observed as 25%. Mean maximum time temperature recorded as 38.0 °C & for the recent week 181.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.5/7.0 Knots.

Murree

Rainfall reported as 2.00 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 0.7/2.7 Oktas while, average relative humidity observed as 33%. Mean maximum time temperature recorded as 29.9°C & for the recent week 63.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.7/2.0 Knots.

D.I. Khan

Dry weather reported from D.I. Khan during the week; however, clear sky has been observed in the morning/evening. Average relative humidity observed as 33%. Mean maximum time temperature recorded as 44.4°C & for the recent week 217.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.3/1.3 Knots

Peshawar

Dry weather reported from Peshawar during the week; however, cloudiness in the morning/evening recorded as 0.0/3.5 Oktas while, average relative humidity observed as 40%. Mean maximum time temperature was recorded as 42.2°C & for the recent week 194.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.3/3.0 Knots.

Kalam

Dry weather reported from Kalam during the week; however, cloudiness in the morning/evening recorded as 0.0/4.3 Oktas while, average relative humidity observed as 30%. Mean maximum time temperature recorded as 28.6°C & for the recent week 100.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/2.7 Knots.

Gilgit

Rainfall reported as 0.02 mm from Gilgit during the week, cloudiness in the morning/evening recorded as 1.8/6.0 Oktas while, average relative humidity observed as 37%. Mean maximum time temperature recorded as 34.7°C & for the recent week 140.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.7/8.0 Knots.

Skardu

Rainfall reported as 0.02 mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 1.5/4.3 Oktas while, average relative humidity observed as 30%. Mean maximum time temperature recorded as 28.3°C & for the recent week 101.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/2.7 Knots.

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.

Crop Situation for Major Agricultural Plains
(Based on data from Regional Agromet Centers)

Actual & Departure of Maximum temperature (°C) for the Previous week (10th – 16th June 2024)

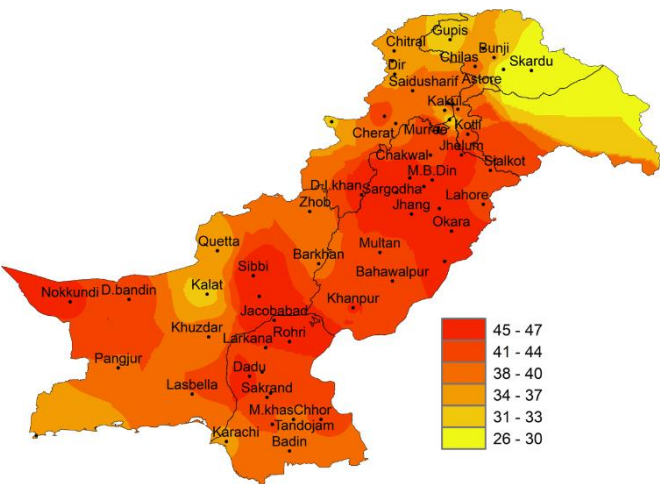


Figure 2: Actual Maximum temperature.

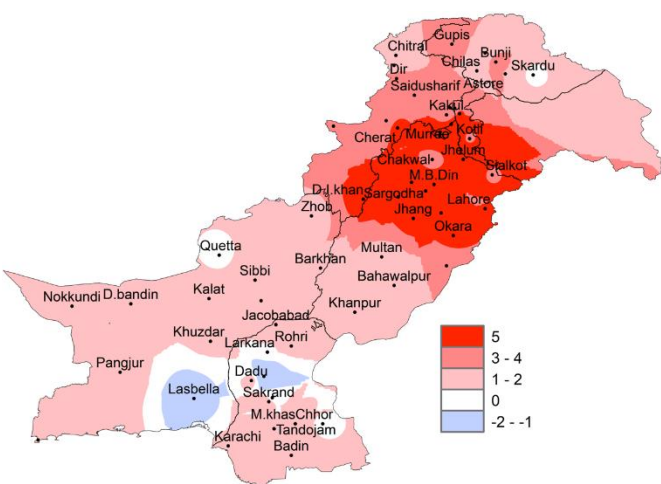


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (10th – 16th June 2024)

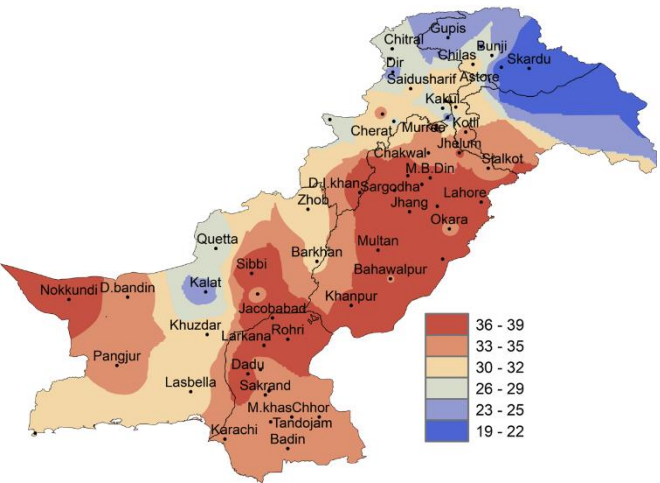


Figure 5: Actual Mean temperature.

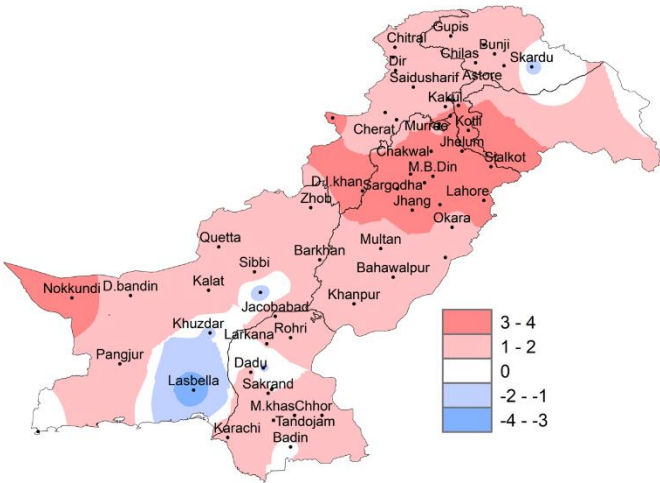


Figure 4: Departure of Mean temperature.

Actual Minimum temperature (°C) during the
Previous week (10th – 16th June 2024)

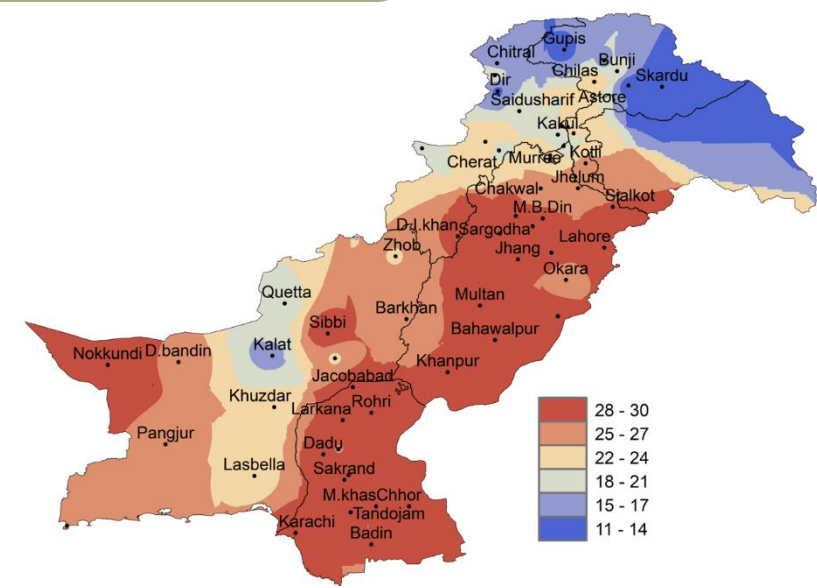


Figure 6: Actual Minimum temperature.

Departure of Minimum temperature (°C) during the
Previous week (10th – 16th June 2024)

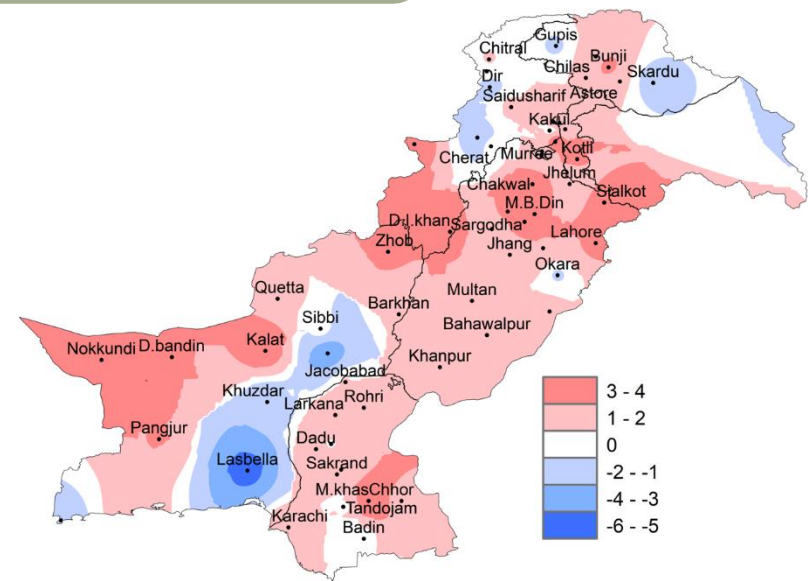


Figure 7: Departure of Minimum temperature.

Mean Relative Humidity (%) during the
Previous week (10th – 16th June 2024)

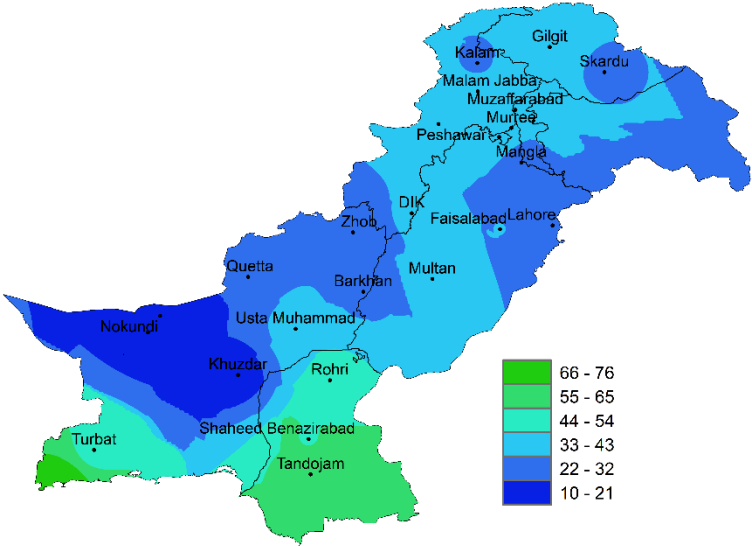


Figure 8: Relative Humidity

Total Growing Degree Days accumulated during the
Previous week (10th – 16th June 2024)

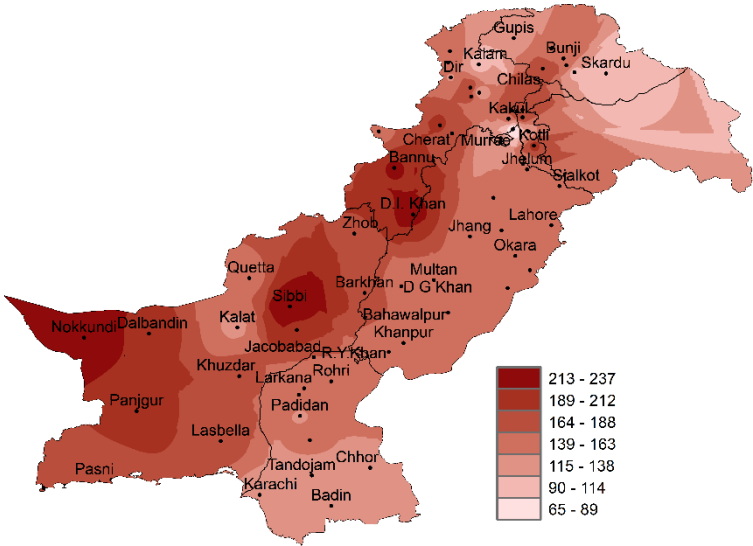


Figure 9: Growing Degree Days

Mean Cloudiness (Octas) at 0800PST during the
Previous week (10th – 16th June 2024)

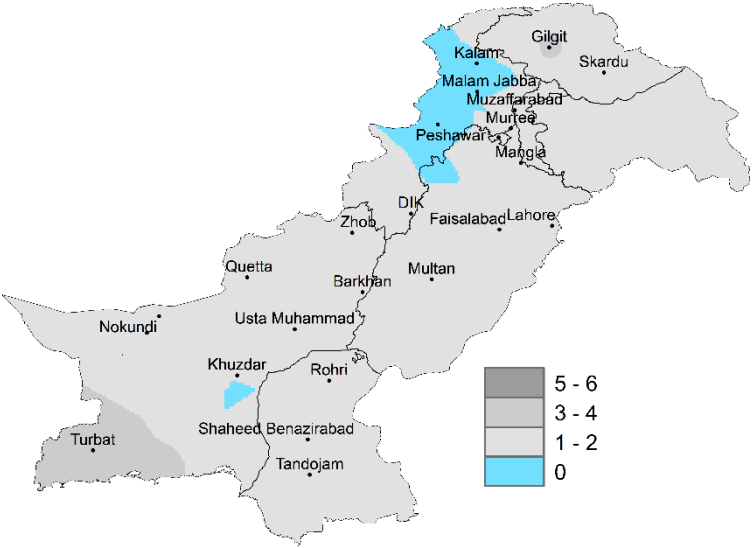


Figure 10: Mean Cloudiness at 0800

Mean Cloudiness (Octas) at 1700PST during the
Previous week (10th – 16th June 2024)

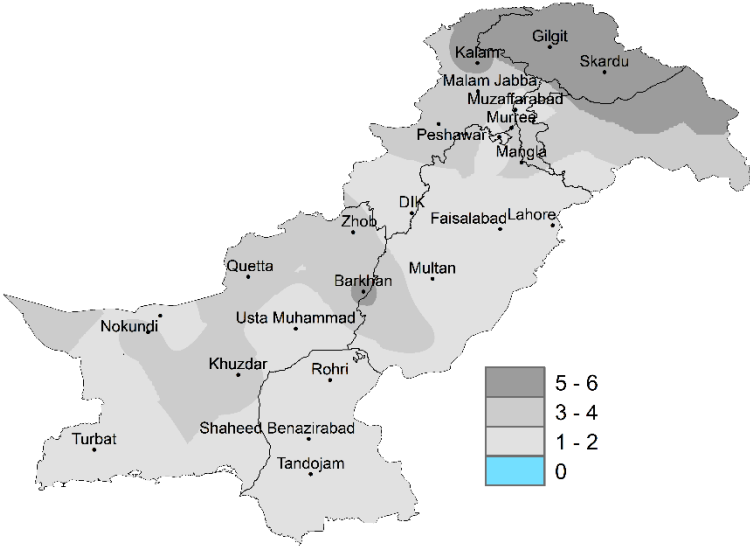


Figure 11: Mean Cloudiness at 1700

Mean Wind Speed (Knots) at 0800PST during the
Previous week (10th – 16th June 2024)

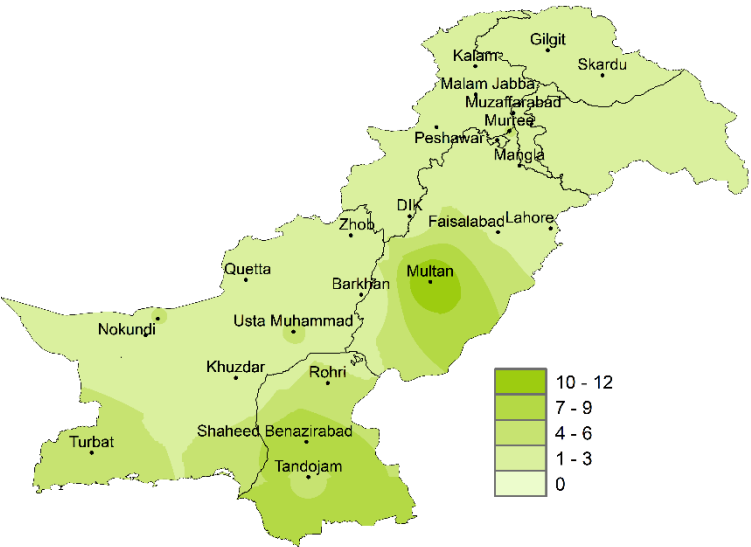


Figure 12: Mean Wind Speed 0300

Mean Wind Speed (Knots) at 1700PST during the
Previous week (10th – 16th June 2024)

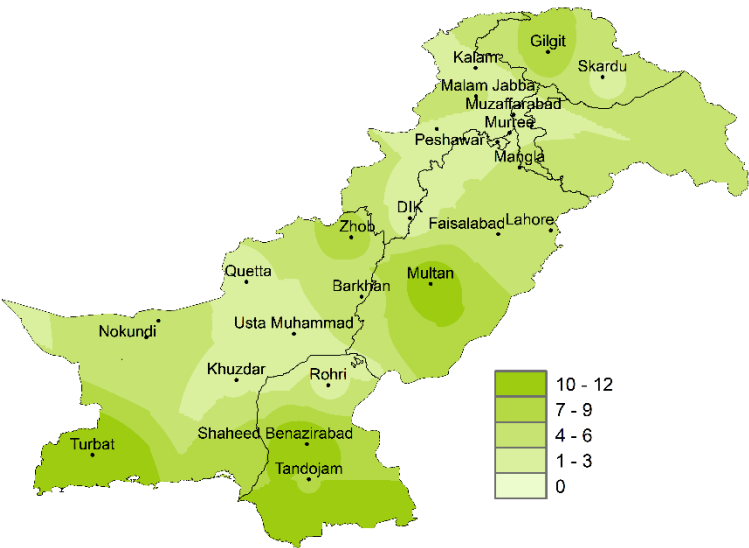
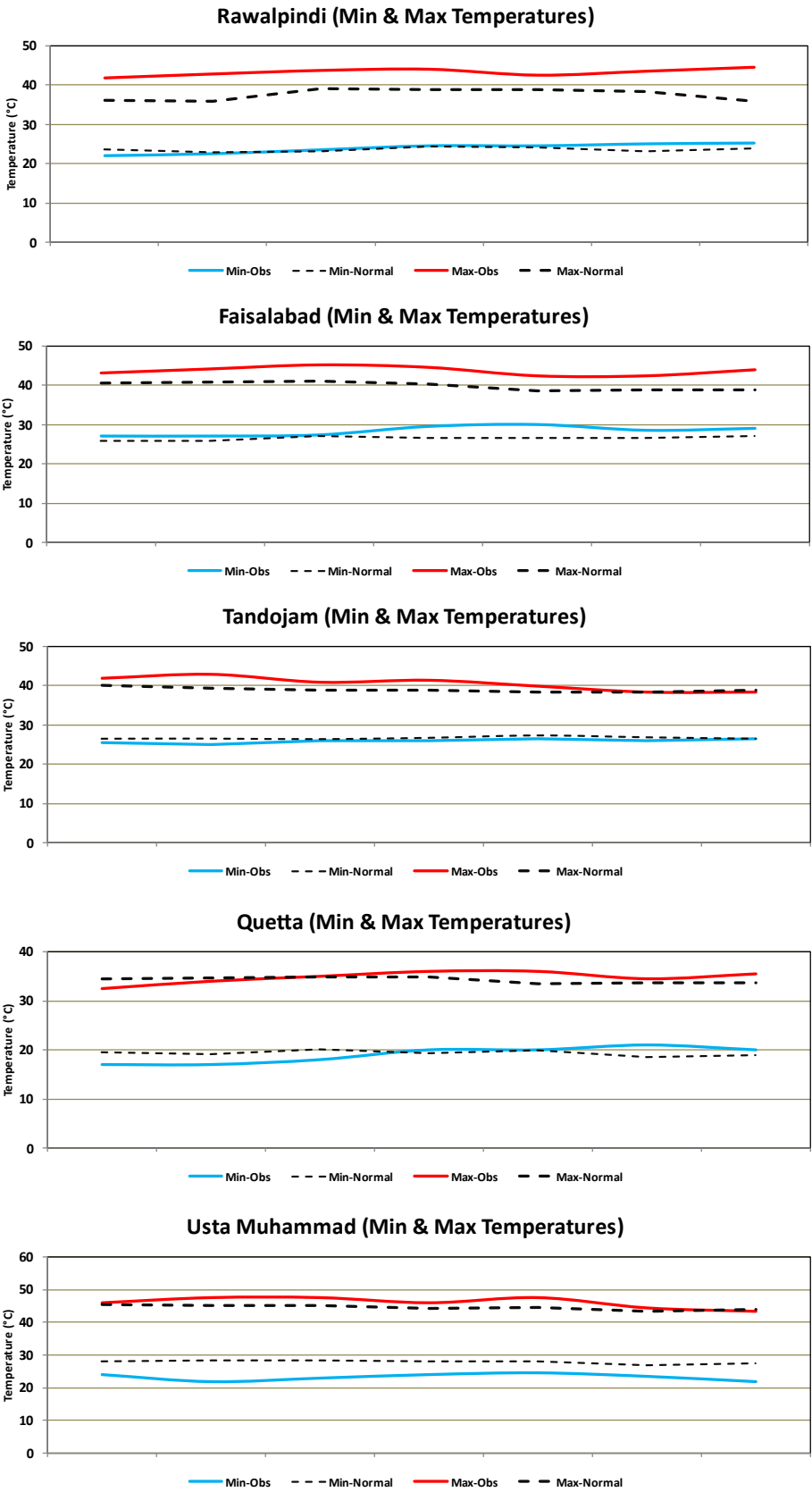


Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal)
during the previous week (10th – 16th June 2024)



Weekly Weather Advisory for Farmers**(19th – 25th June 2024)**

Weak moist currents from Arabian sea is penetrating in central parts of the country. A shallow westerly wave is also present over upper parts.

WEDNESDAY**19-06-2024**

Mainly very hot weather is expected in most plain areas of the country. However, windstorm/thunderstorm-rain is expected at isolated places in Kashmir, Gilgit-Baltistan, Upper Khyber Pakhtunkhwa, Pothohar region and northeast Punjab during evening/night.

THURSDAY**20-06-2024**

Windstorm/thunderstorm-rain is expected at isolated places in Kashmir, Gilgit-Baltistan, Khyber Pakhtunkhwa, Pothohar region, Punjab and northeast Baluchistan. Hot and humid weather is Likely elsewhere in the country.

FRIDAY**21-06-2024**

Rain-wind/thunderstorm is expected in Gilgit-Baltistan, Khyber Pakhtunkhwa, Kashmir, Islamabad, Punjab and eastern Balochistan. Dust storm/thunderstorm with isolated rain likely in upper Sindh.

SATURDAY**22-06-2024**

Hot and dry weather is expected in most parts of the country. Rain-wind/thunderstorm is expected in Gilgit-Baltistan, upper Khyber Pakhtunkhwa, Kashmir. Dust storm/thunderstorm with isolated rain likely in upper Sindh, northeast Balochistan and south Punjab.

SUNDAY**23-06-2024**

Hot and dry weather is expected in most parts of the country. Rain-wind/thunderstorm is expected at isolated places in Gilgit-Baltistan, upper Khyber Pakhtunkhwa and Kashmir.

MONDAY**24-06-2024**

Very hot and dry weather is expected in most parts of the country. Rain-wind/thunderstorm is expected at isolated places in Gilgit-Baltistan, upper Khyber Pakhtunkhwa and Kashmir.

TUESDAY**25-06-2024**

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

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (10th – 16th 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	44.4	45.5	217.0	33.3	0.0	0.0	0.0	1.3	1.3
Faisalabad	43.7	45.2	147.3	32.0	0.0	0.4	0.3	2.9	3.7
Gawadar	34.7	35.5	181.8	75.8	0.0	3.7	0.8	3.0	11.7
Gilgit	34.7	37.5	140.6	37.2	0.0	1.8	6.0	0.7	8.0
Kalam	28.6	29.5	100.8	29.8	0.0	0.0	4.3	0.0	2.7
Lahore	44.0	44.3	149.5	28.2	0.0	0.5	0.0	0.7	4.3
Malam Jabba	27.1	30.0	115.0	37.6	0.0	0.0	3.2	0.7	3.3
Mangla	44.0	45.8	139.8	29.6	0.0	0.8	2.0	3.0	5.7
Multan (PBO)	43.3	45.2	151.2	34.3	0.0	0.0	1.5	11.7	11.7
Murree	29.9	32.0	63.9	32.6	2.0	0.7	2.7	3.7	2.0
Muzaffarabad	40.0	41.4	179.9	42.9	4.0	0.0	1.5	0.0	1.0
Sh. Ben. Abad	43.1	44.2	143.9	53.4	0.0	0.0	0.3	8.7	11.3
Peshawar	42.2	43.5	194.6	39.9	0.0	0.0	3.5	1.3	3.0
Quetta	34.8	36.0	153.3	25.0	0.0	1.0	3.2	2.2	2.6
Rawalpindi	43.3	44.5	130.0	34.3	0.0	0.0	1.6	0.3	0.8
Rohri	43.9	45.5	150.8	49.1	0.0	0.3	0.0	3.0	2.3
Skardu	28.3	30.5	101.4	29.8	0.0	1.5	4.3	0.0	2.7
Tandojam	40.6	43.0	128.0	62.0	0.0	1.6	0.3	5.4	9.1
U.Muhammad	46.1	47.5	207.8	38.0	0.0	0.0	0.0	3.1	2.5
Zhob	38.0	40.0	181.3	24.5	0.0	0.3	2.3	2.5	7.0

*** Shows that data was not available.