

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 (27th May – 02nd June 2024)

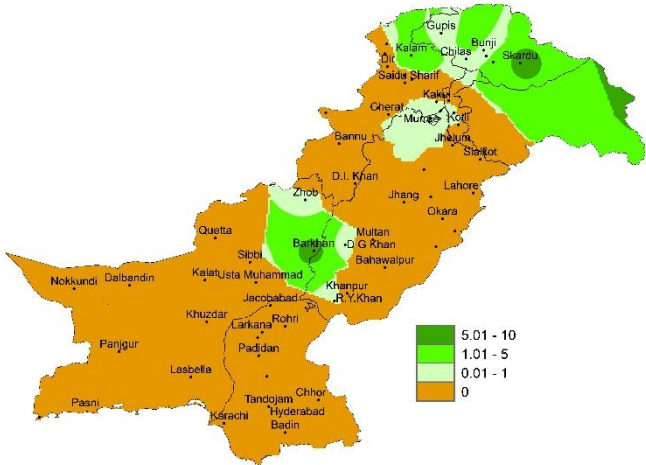


Figure 1: Rainfall.

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
(27th May – 02nd June 2024)

- Dry weather was reported from most parts of the country except northern KP, GB, Kashmir and northeastern Balochistan 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 the country.
- 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 **(27th May – 02nd June 2024)**

Punjab

Dry weather was reported from almost all over Punjab Province while light rain occurred in Rawalpindi division. Weekly maximum and minimum temperatures recorded as 44.6°C & 26.5°C respectively. For the recent week on average 144 growing degree days were accumulated. Average relative humidity recorded as 28% and wind speed in the morning/evening recorded as 2.7/3.5 Knots. Maximum rainfall was reported as 1.00 mm from Murree. However, highest maximum temperature was recorded as 50.1°C at Khanpur.

Baluchistan

Light rainfall was reported from the northern parts whereas dry weather reported from rest parts of the province. Weekly maximum and minimum temperatures recorded as 36.6°C & 23.0°C respectively. For the recent week on average 103.5 growing degree days were accumulated. Average relative humidity recorded 27% and wind speed in the morning/evening recorded as 2.4/7.0 Knots. Maximum rainfall was reported as 6.00 mm from Barkhan. However, highest maximum temperature was recorded as 50.0°C at Sibbi.

Khyber Pakhtunkhwa

Light rainfall was reported from northern parts of Khyber Pakhtunkhwa while dry weather observed over the rest parts of the province. Weekly maximum and minimum temperatures recorded as 37.2°C & 21.0°C respectively. For the recent week on average 99.3 growing degree days were accumulated. Average relative humidity recorded as 31% and wind speed in the morning/evening recorded as 1.8/2.3 Knots. Maximum rainfall was reported as 5.0 mm from Kalam. However, highest maximum temperature recorded as 46.5°C at D. I. Khan.

Sindh

Dry weather was reported from Sindh. Weekly maximum and minimum temperatures recorded as

44.7°C & 28.5°C respectively. For the recent week, on average 151.3 growing degree days were accumulated. Average relative humidity recorded as 46% and wind speed in the morning/evening recorded as 4.6/4.5 Knots. However, highest maximum temperature recorded as 51.5°C at Shaheed Benazirabad.

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 31.9°C & 16.7°C respectively. For the recent week on average 65.1 growing degree days were accumulated. Average relative humidity recorded as 36%. and wind speed recorded in the morning/evening as 0.4/3.6. Highest rainfall was reported as 6.12 mm from Skardu. However, highest maximum temperature recorded as 41.3°C at Kotli.

Past Weather for Major Agricultural Plains**(27th May – 02nd June 2024)****Rawalpindi (Potohar region)**

Rainfall reported as 0.01 mm (Trace) from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 0.8/1.6 Oktas, average relative humidity observed as 31%. Mean maximum time temperature was recorded as 42.1°C and for the recent week 121.9 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.4/1.2 Knots. The highest maximum temperature was recorded as 42.5°C.

Faisalabad (Central Punjab)

Dry weather reported from Faisalabad during the week; however, cloudiness in the morning/evening recorded 0.3/0.0 Oktas while, average relative humidity observed as 32%. Mean maximum time temperature recorded 45.3°C & for the recent week 147.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/3.4 Knots. The highest maximum temperature was recorded as 46.8°C.

Tandojam (Lower Sindh)

Dry weather reported during the week; however, cloudiness in the morning/evening recorded as 0.1/0.0 oktas while, average relative humidity observed as 56%. Mean maximum time temperature recorded as 43.9°C & for the recent week 144.3 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.

Usta Muhammad (Eastern Baluchistan)

Dry weather reported during the week; however, cloudiness in the morning/evening recorded as 0.2/0.5. Average relative humidity observed as 22%. Mean maximum time temperature recorded as 48.8°C & for the recent week 163.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/2.5 Knots. The highest maximum temperature was recorded as 51.0°C.

Quetta (Northern Baluchistan)

Dry weather reported from Quetta during the week; however, cloudiness in the morning/evening recorded as 0.0/0.5 Oktas while, average relative humidity observed as 19%. Mean maximum time temperature recorded as 32.6°C & for the recent week 72.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.3/3.4

Knots. The highest maximum temperature was recorded as 34.0°C.

Past Weather for Sub-Regional Agricultural Plains (27th May – 02nd June 2024)**Multan**

Dry weather reported during the week; however, cloudiness in the morning/evening recorded as 0.4/0.1 Oktas. Average relative humidity observed as 24%. Mean maximum time temperature recorded as 46.0°C & for the recent week 160.1 growing degree days accumulated. Wind speed recorded in the morning/evening as 5.4/6.0 Knots.

Lahore

Dry weather reported from Lahore during the week; cloudiness in the morning/evening recorded as 0.3/0.4 Oktas, average relative humidity observed as 24%. 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 0.0/2.9 Knots.

Zhob

Dry weather reported from Zhob during the week; however, cloudiness in the morning/evening recorded as 0.0/0.6 Oktas. Average relative humidity observed as 30%. Mean maximum time temperature recorded as 36.6°C & for the recent week 103.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.9/4.1 Knots.

Murree

Rainfall reported as 1.00 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 0.9/2.0 Oktas while, average relative humidity observed as 34%. Mean maximum time temperature recorded as 29.4°C & for the recent week 61.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.6/1.7 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 26%. Mean maximum time temperature recorded as 45.0°C & for the recent week 150.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/1.7 Knots.

Peshawar

Dry weather reported from Peshawar during the week; however, cloudiness in the morning/evening recorded as 0.4/0.0 Oktas while, average relative humidity observed as 25%. Mean maximum time temperature was recorded as 42.2°C & for the recent week 128.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.1/4.8 Knots.

Kalam

Rainfall reported as 5.0 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 0.0/5.0 Oktas while, average relative humidity observed as 39%. Mean maximum time temperature recorded as 27.1°C & for the recent week 36.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/2.9 Knots.

Gilgit

Rainfall reported as 2.70 mm from Gilgit during the week, cloudiness in the morning/evening recorded as 2.3/4.7 Oktas while, average relative humidity observed as 38%. Mean maximum time temperature recorded as 32.8°C & for the recent week 62.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.6/6.4 Knots.

Skardu

Rainfall reported as 6.12 mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 3.3/5.0 Oktas while, average relative humidity observed as 39%. Mean maximum time temperature recorded as 24.4°C & for the recent week 16.1 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/2.9 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 completed. 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: Full 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 (27th May – 02nd June 2024)

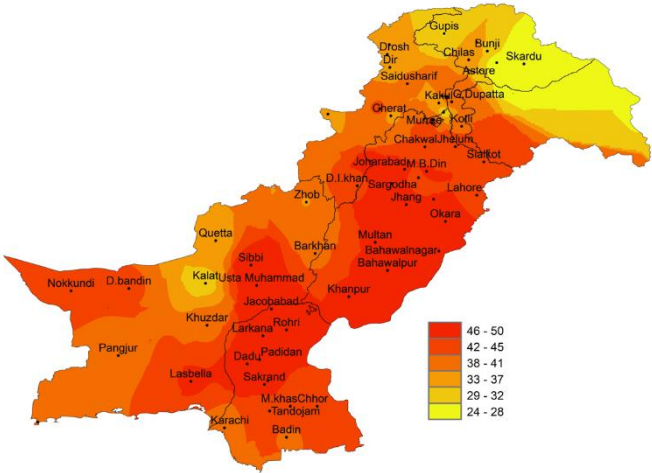


Figure 2: Actual Maximum temperature.

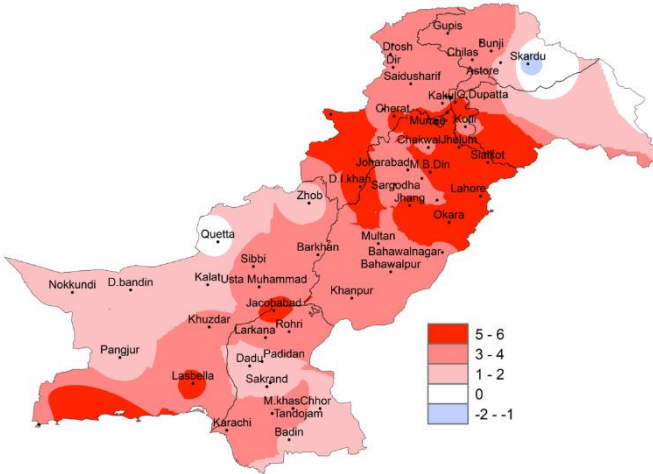


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (27th May – 02nd June 2024)

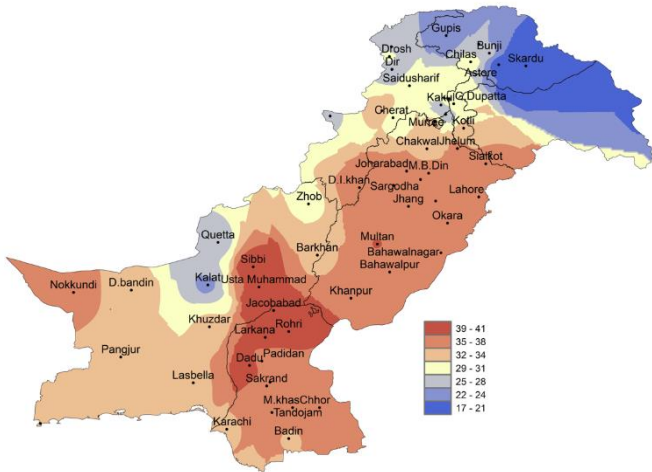


Figure 5: Actual Mean temperature.

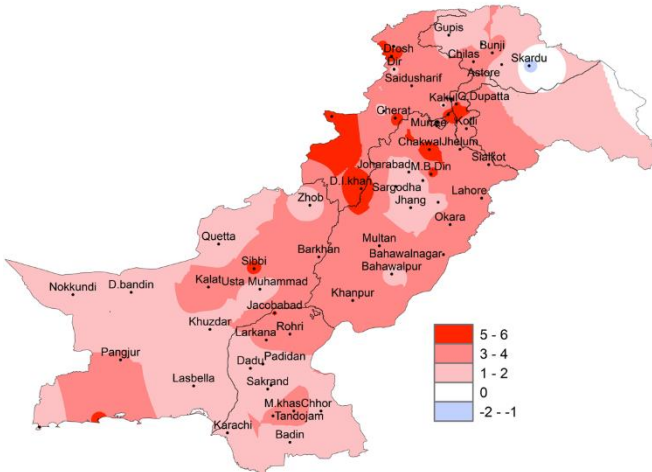


Figure 4: Departure of Mean temperature.

Actual Minimum temperature (°C) during the

Previous week (27th May – 02nd June 2024)

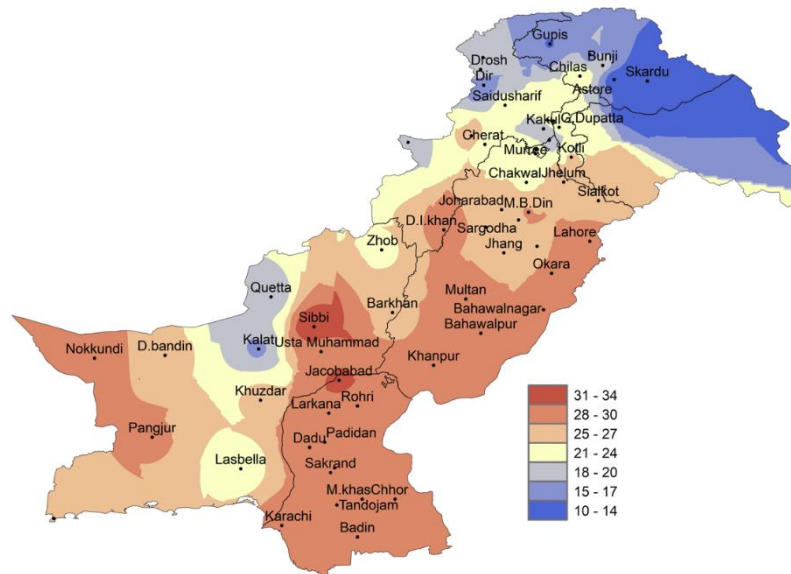


Figure 6: Actual Minimum temperature.

Departure of Minimum temperature (°C) during the

Previous week (27th May – 02nd June 2024)

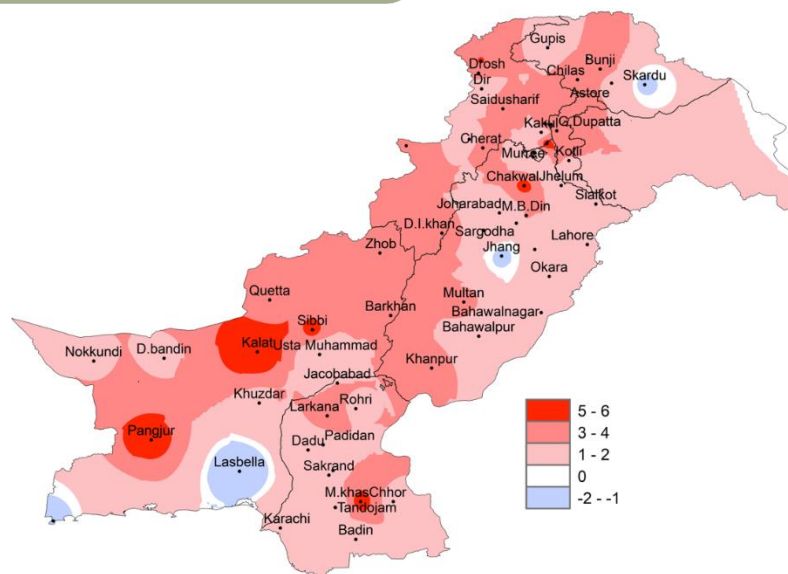


Figure 7: Departure of Minimum temperature.

**Mean Relative Humidity (%) during the
Previous week (27th May – 02nd June 2024)**

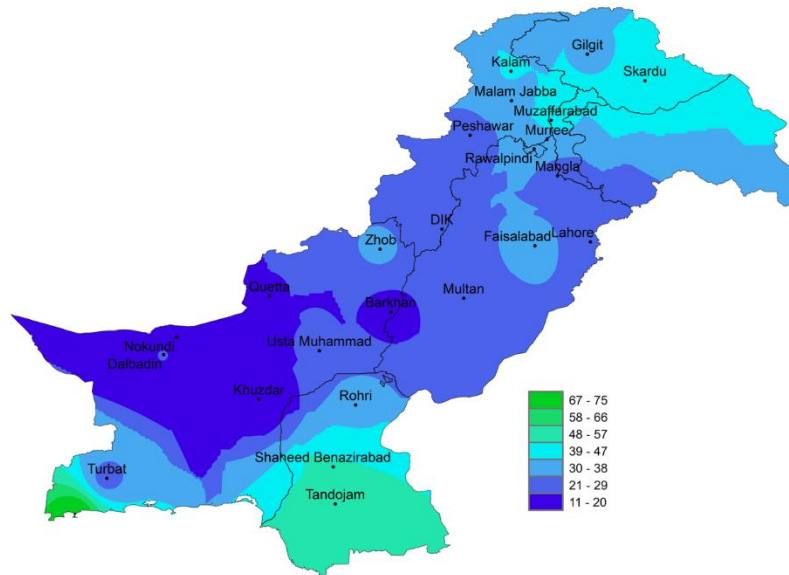


Figure 8: Relative Humidity

**Total Growing Degree Days accumulated during the
Previous week (27th May – 02nd June 2024)**

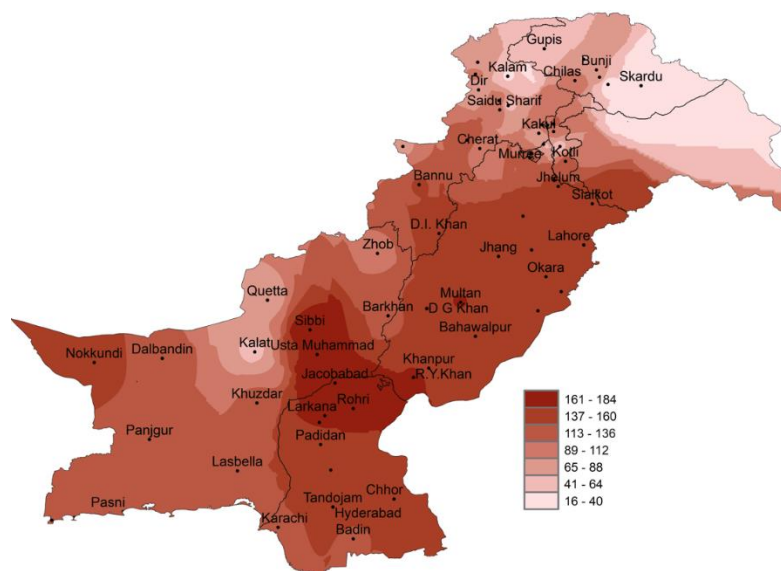


Figure 9: Growing Degree Days

Mean Cloudiness (Octas) at 0800PST during the
Previous week (27th May – 02nd June 2024)

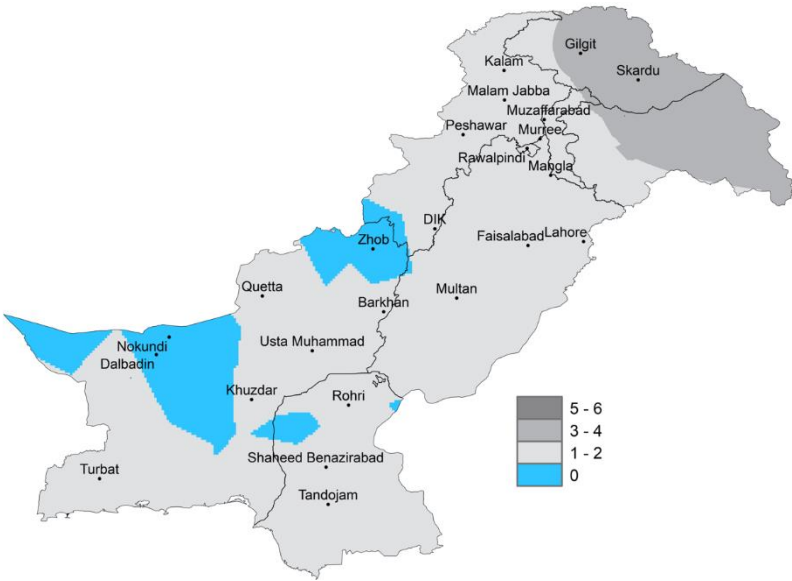


Figure 10: Mean Cloudiness at 0800

Mean Cloudiness (Octas) at 1700PST during the
Previous week (27th May – 02nd June 2024)

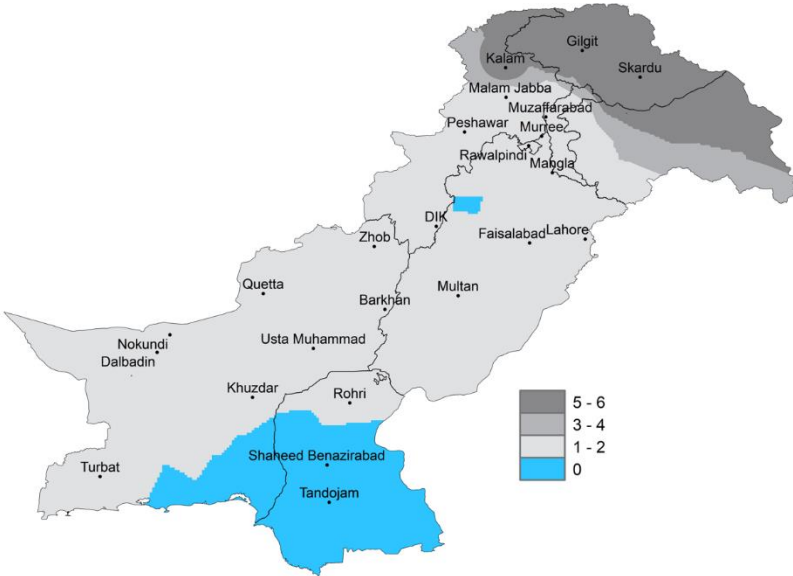


Figure 11: Mean Cloudiness at 1700

Mean Wind Speed (Knots) at 0800PST during the
Previous week (27th May – 02nd June 2024)

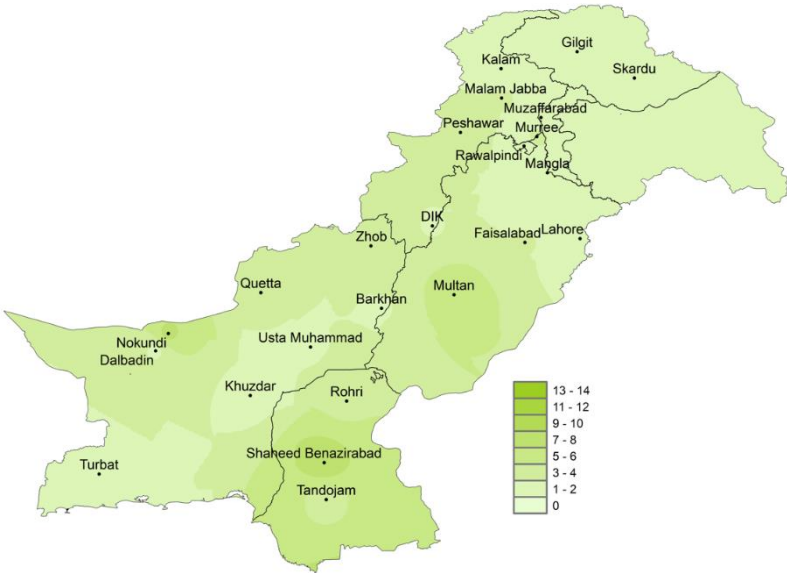


Figure 12: Mean Wind Speed 0300

Mean Wind Speed (Knots) at 1700PST during the
Previous week (27th May – 02nd June 2024)

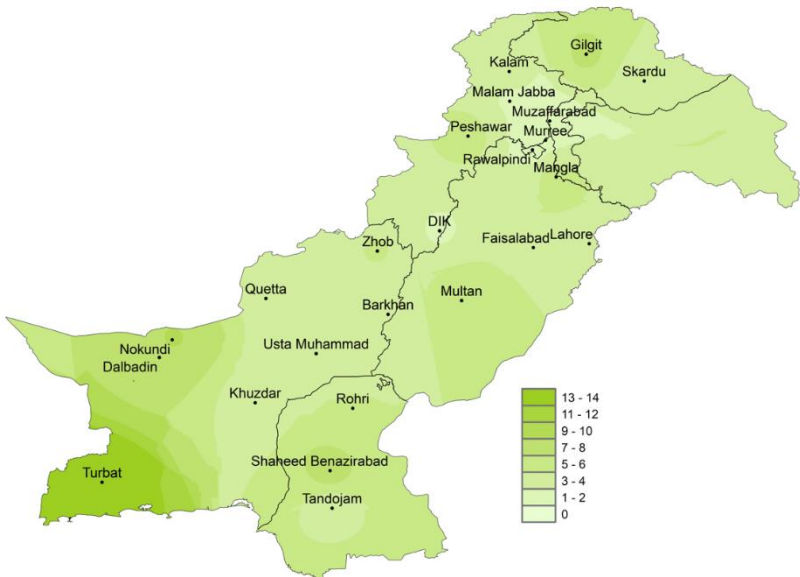
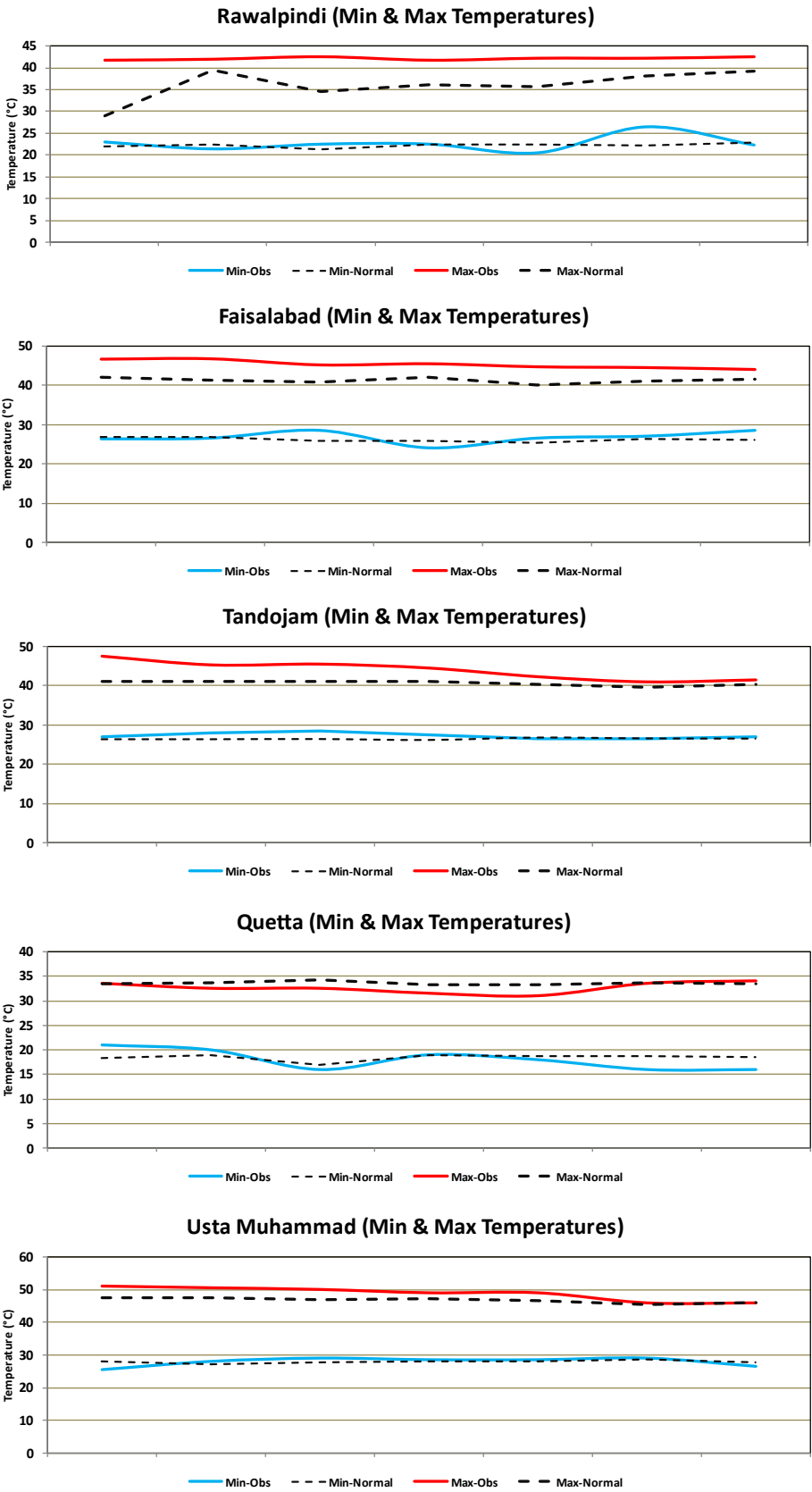


Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal)
during the previous week (27th May – 02nd June 2024)



Weekly Weather Advisory for Farmers**(03rd – 09th June 2024)**

Continental air is prevailing over most parts of the country. A westerly wave is likely to enter upper parts of the country on Tuesday (Evening/night) and may persist during next 03 days.

MONDAY**03-06-2024**

Mainly hot weather is expected in most parts of country, while very hot in plain areas. Rain-windstorm/thunderstorm is expected at isolated places in Gilgit-Baltistan and Kashmir.

TUESDAY**04-06-2024**

Mainly hot weather is expected in most parts of country, while very hot in plain areas. Rain-windstorm/thunderstorm is expected at isolated places in Gilgit-Baltistan, Kashmir, Islamabad, Pothohar Region, northeast Punjab and upper Khyber Pakhtunkhwa during evening/night.

WEDNESDAY**05-06-2024**

Mainly very hot and dry weather is expected in most plain areas of the country. While partly cloudy weather with chances of windstorm/gusty winds with rain/thunderstorm is likely in Gilgit-Baltistan, Kashmir, Islamabad, upper Khyber Pakhtunkhwa and upper/central Punjab.

THURSDAY**06-06-2024**

Mainly very hot and dry weather is expected in most plain areas of the country. While partly cloudy weather with chances of windstorm/gusty winds with rain/thunderstorm is likely in Gilgit-Baltistan, Kashmir, Khyber Pakhtunkhwa, northeast Punjab and Potohar region.

FRIDAY**07-06-2024**

Mainly very hot and dry weather is expected in most plain areas of the country. While partly cloudy weather with chances of rain-wind/thunderstorm is likely in Gilgit-Baltistan, Kashmir, upper Khyber Pakhtunkhwa and Potohar region.

SATURDAY**08-06-2024**

Mainly very hot and dry weather is expected in most plain areas of the country. While partly cloudy weather with chances of rain-wind/thunderstorm is likely in Gilgit-Baltistan, Kashmir, upper Khyber Pakhtunkhwa, potohar region and northeast Punjab.

SUNDAY**09-06-2024**

Mainly very hot and dry weather is expected in most plain areas of the country. While rain-wind/thunderstorm is likely in Gilgit-Baltistan, Chitral, Swat, and Kohistan.

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (27th May – 02nd 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	45.0	46.5	150	25.7	0.0	0.0	0.0	1.7	1.7
Faisalabad	45.3	46.8	147	32.0	0.0	0.3	0.0	2.0	3.4
Gawadar	38.6	44.0	120	75.0	0.0	0.4	0.0	1.7	13.1
Gilgit	32.8	37.5	63	37.7	2.7	2.3	4.7	0.6	6.4
Kalam	27.1	30.0	36	38.7	5.0	0.0	5.0	0.0	2.9
Lahore	44.9	45.7	151	24.1	0.0	0.3	0.4	0.0	2.9
Malam Jabba	26.9	30.0	46	34.9	0.0	0.6	1.6	2.3	1.7
Mangla	43.9	44.5	136	25.4	0.0	0.7	2.0	0.6	5.1
Multan (PBO)	46.0	48.8	160	24.2	0.0	0.4	0.1	5.4	6.0
Murree	29.4	30.5	62	34.1	1.0	0.9	2.0	2.6	1.7
Muzaffarabad	38.8	40.4	108	42.6	0.0	0.3	1.3	0.0	0.0
Sh. Ben. Abad	46.6	51.5	154	47.4	0.0	0.0	0.0	7.4	7.1
Peshawar	42.2	43.5	129	25.3	0.0	0.4	0.0	3.1	4.8
Quetta	32.6	34.0	72	19.3	0.0	0.0	0.5	2.3	3.4
Rawalpindi	42.1	42.5	122	31.0	0.0	0.8	1.6	0.4	1.2
Rohri	46.7	50.0	161	34.3	0.0	0.0	0.0	3.4	4.0
Skardu	24.4	30.2	16	38.7	6.1	3.3	5.0	0.3	2.9
Tandojam	43.9	47.5	144	55.8	0.0	0.1	0.0	3.1	2.5
U.Muhammad	48.8	51.0	163	21.5	0.0	0.2	0.5	1.7	2.5
Zhob	36.6	38.0	104	30	0.0	0.0	0.6	2.9	4.1

*** Shows that data was not available.