

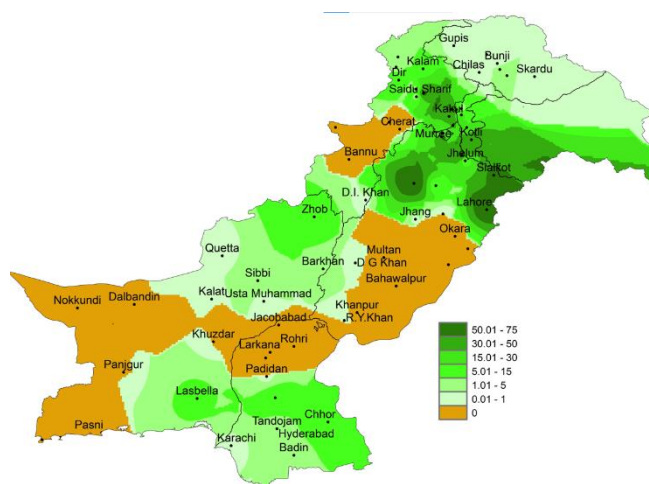
Weekly Weather and Crop Bulletin for Pakistan

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 (24th – 30th June 2024)

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Highlights of Past Weather (24th – 30th June 2024)

- Light to moderate rain was reported from most parts of the country whereas dry weather was observed in central KP, south Punjab, some parts of Sindh and Balochistan 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)

Figure 1: Rainfall.

Past Weather of Provinces**(24th – 30th June 2024)****Punjab**

Light to moderate rainfall was reported from the upper Punjab while dry weather was observed in southern parts of the province. Weekly maximum and minimum temperatures recorded as 41.1°C & 28.5°C respectively. For the recent week on average 138.8 growing degree days were accumulated. Average relative humidity recorded as 53% and wind speed in the morning/evening recorded as 2.7/3.0 Knots. Maximum rainfall was reported as 73.60 mm from Joharabad. However, highest maximum temperature was recorded as 46.5°C at Bhakkar and Noorpur Thal.

Baluchistan

Light rainfall was reported from most parts of the province whereas dry weather observed in western belt of the Baluchistan. Weekly maximum and minimum temperatures recorded as 36.2°C & 23.4°C respectively. For the recent week on average 173.8 growing degree days were accumulated. Average relative humidity recorded 36% and wind speed in the morning/evening recorded as 1.2/6.3 Knots. Maximum rainfall was reported as 10.00 mm from Zhob. However, highest maximum temperature was recorded as 49.0°C at Turbat.

Khyber Pakhtunkhwa

Light to moderate rainfall was reported from most parts of Khyber Pakhtunkhwa while dry weather observed over the central parts of the province. Weekly maximum and minimum temperatures recorded as 36.9°C & 22.4°C respectively. For the recent week on average 172.1 growing degree days were accumulated. Average relative humidity recorded as 55% and wind speed in the morning/evening recorded as 0.8/2.0 Knots. Maximum rainfall was reported as 66.0 mm from Balakot. However, highest maximum temperature recorded as 45.0°C at Bannu.

Sindh

Light to moderate rain was reported from the southern Sindh whereas northern parts observed dry weather. Weekly maximum and minimum temperatures recorded as 42.2°C & 29.6°C respectively. For the recent week, on average 146.3 growing degree days were accumulated. Average relative humidity recorded as 55% and wind speed in the morning/evening recorded as 3.1/5.8 Knots. Maximum rainfall was reported as 53.00 mm from Mirpur Khas. However, highest maximum temperature recorded as 48.5°C at Jacobabad.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light to moderate rainfall was reported from Gilgit Baltistan and Kashmir during the previous week. Weekly maximum and minimum temperatures recorded as 34.8°C & 19.3°C respectively. For the recent week on average 155.3 growing degree days were accumulated. Average relative humidity recorded as 46%. and wind speed recorded in the morning/evening as 1.4/2.8. Highest rainfall was reported as 49.00 mm from Kotli. However, highest maximum temperature recorded as 42.5°C at Chilas and Garhi Dopatta.

Past Weather for Major Agricultural Plains**(24th – 30th June 2024)****Rawalpindi (Potohar region)**

Rainfall reported as 47.01 mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 1.9/4.0 Oktas, average relative humidity observed as 58%. Mean maximum time temperature was recorded as 41.4°C and for the recent week 127.6 growing degree days were accumulated. Wind speed recorded in the morning/evening as 1.1/1.7 Knots. The highest maximum temperature was recorded as 43.2°C.

Faisalabad (Central Punjab)

Dry weather reported from Faisalabad during the week; however, cloudiness in the morning/evening recorded 0.4/2.7 Oktas while, average relative humidity observed as 49%. Mean maximum time temperature recorded 41.4°C & for the recent week 144.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.3/2.9 Knots. The highest maximum temperature was recorded as 43.6°C.

Tandojam (Lower Sindh)

Rainfall reported as 2.60 mm from Tandojam during the week; however, cloudiness in the morning/evening recorded as 2.6/2.1 oktas while, average relative humidity observed as 58%. Mean maximum time temperature recorded as 40.0°C & for the recent week 133.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.3/4.0 Knots. The highest maximum temperature was recorded as 44.5°C.

Usta Muhammad (Eastern Baluchistan)

Dry weather reported from Usta Muhammad during the week; however, cloudiness in the morning/evening recorded as 0.8/4.0. Average relative humidity observed as 36%. Mean maximum time temperature recorded as 43.5°C & for the recent week 219.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/3.4 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 0.8/4.0 Oktas while, average relative humidity observed as 36%. Mean maximum time temperature recorded as 35.3°C & for the recent week 159.5 growing degree days accumulated. Wind speed recorded in the morning/evening as

2.2/2.4 Knots. The highest maximum temperature was recorded as 38.0°C.

Past Weather for Sub-Regional Agricultural Plains (24th – 30th June 2024)**Multan**

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 0.3/1.1 Oktas. Average relative humidity observed as 46%. Mean maximum time temperature recorded as 42.1°C & for the recent week 150.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.4/4.6 Knots.

Lahore

Rainfall reported as 67.00 mm from Lahore during the week; cloudiness in the morning/evening recorded as 2.0/3.0 Oktas, average relative humidity observed as 50%. Mean maximum time temperature recorded as 39.7°C & for the recent week 132.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.7/3.0 Knots.

Zhob

Rainfall reported as 10.00 mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 1.7/4.3 Oktas. Average relative humidity observed as 52%. Mean maximum time temperature recorded as 36.2 °C & for the recent week 173.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/5.6 Knots.

Murree

Rainfall reported as 31.03 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 1.9/5.3 Oktas while, average relative humidity observed as 63%. Mean maximum time temperature recorded as 27.3°C & for the recent week 54.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.9/1.3 Knots.

D.I. Khan

Dry weather reported from D.I. Khan during the week; however, cloudiness observed in the morning/evening recorded as 0.0/0.8. Average relative humidity observed as 50%. Mean maximum time temperature recorded as 42.2°C & for the recent week 214.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/1.1 Knots.

Peshawar

Dry weather reported from Peshawar during the week; however, cloudiness in the morning/evening recorded as 1.0/2.7 Oktas while, average relative humidity observed as 50%. Mean maximum time temperature was recorded as 41.3°C & for the recent week 198.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/2.9 Knots.

Kalam

Rainfall reported as 7.30 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 1.1/4.1 Oktas while, average relative humidity observed as 35%. Mean maximum time temperature recorded as 28.5°C & for the recent week 113.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/0.0 Knots.

Gilgit

Rainfall reported as 0.01 (trace) mm from Gilgit during the week, cloudiness in the morning/evening recorded as 2.6/5.3 Oktas while, average relative humidity observed as 44%. Mean maximum time temperature recorded as 36.4°C & for the recent week 159.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/1.4 Knots.

Skardu

Rainfall reported as (trace) mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 3.7/4.1 Oktas while, average relative humidity observed as 35%. Mean maximum time temperature recorded as 31.9°C & for the recent week 130.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/0.0 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 completed. Condition: *Very Good*.

Lower Sindh (Tandojam)

Cotton crop is in the fields. Date of sowing 14-05-2024. Phonological Stage: Budding. 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 (24th – 30th June 2024)

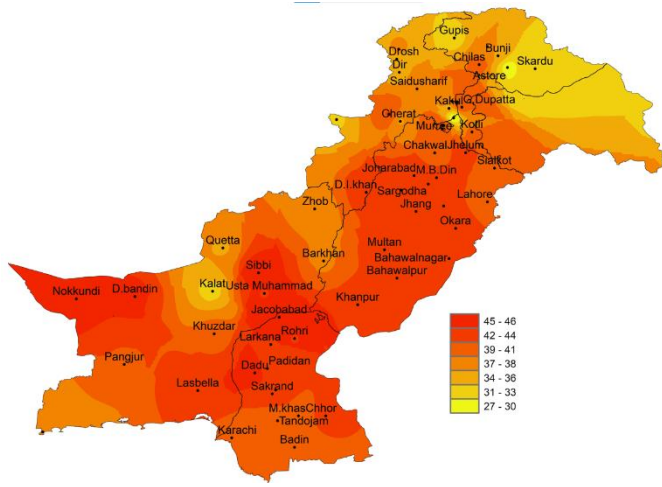


Figure 2: Actual Maximum temperature.

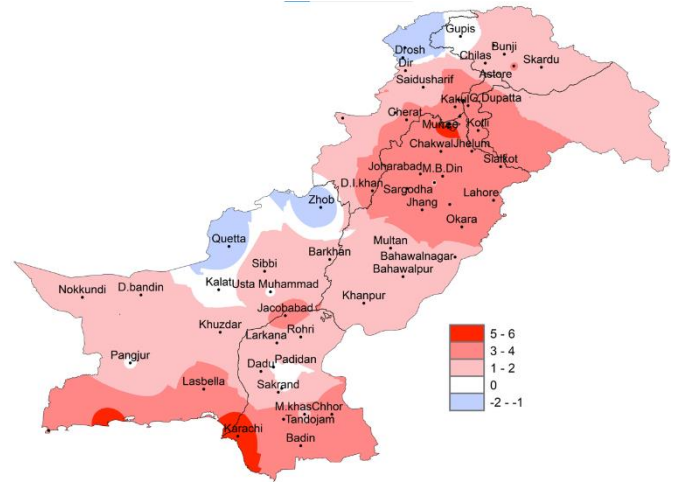


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (24th – 30th June 2024)

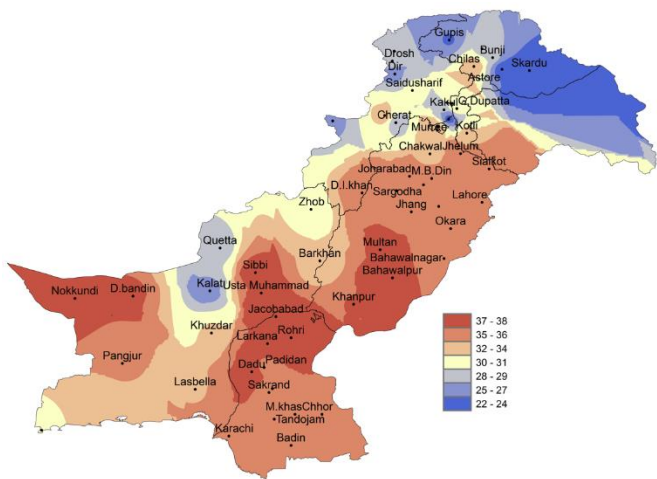


Figure 5: Actual Mean temperature.

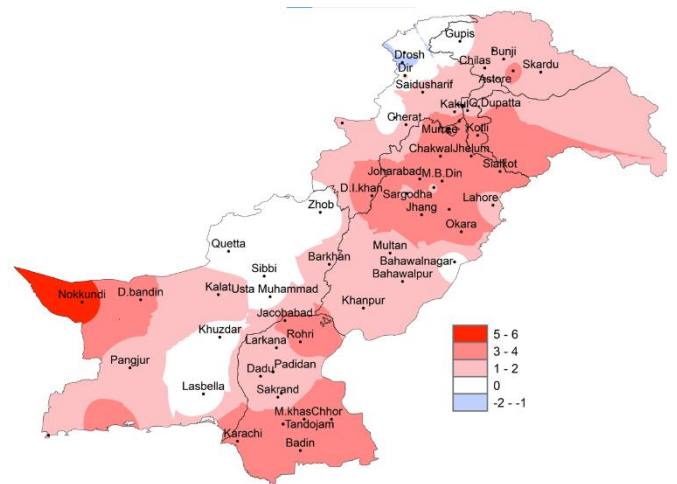


Figure 4: Departure of Mean temperature.

Actual Minimum temperature (°C) during the Previous week (24th – 30th June 2024)

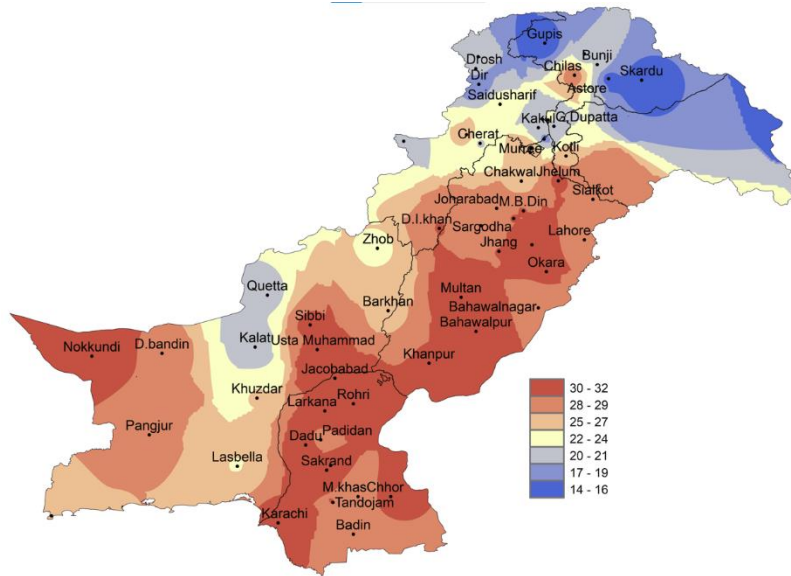


Figure 6: Actual Minimum temperature.

Departure of Minimum temperature (°C) during the Previous week (24th – 30th June 2024)

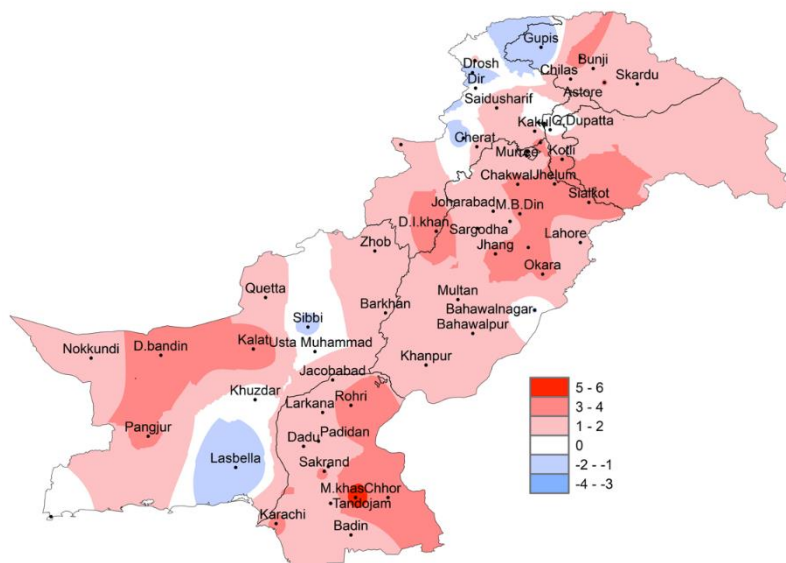


Figure 7: Departure of Minimum temperature.

**Mean Relative Humidity (%) during the
Previous week (24th – 30th June 2024)**

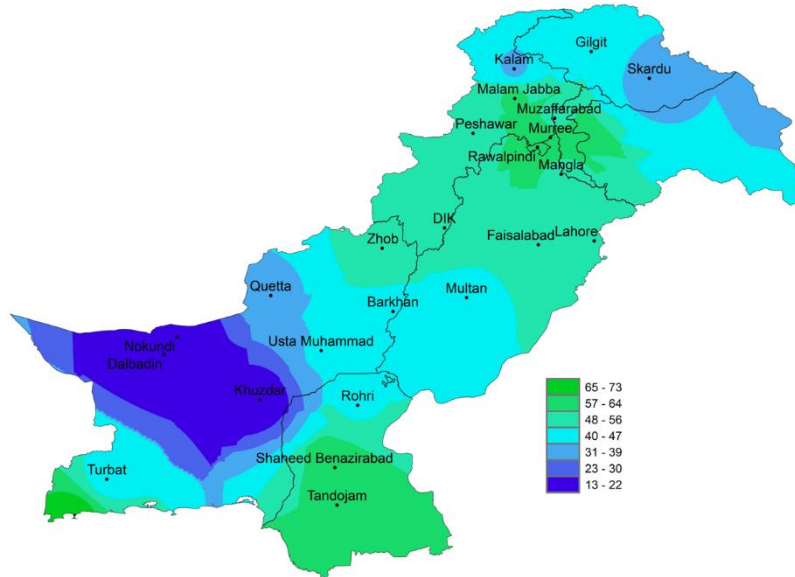


Figure 8: Relative Humidity

**Total Growing Degree Days accumulated during the
Previous week (24th – 30th June 2024)**

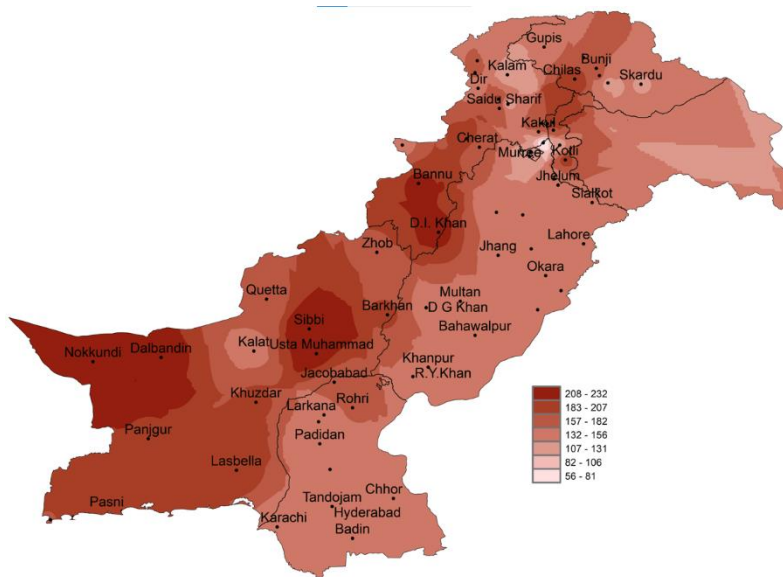


Figure 9: Growing Degree Days

Mean Cloudiness (Octas) at 0800PST during the Previous week (24th – 30th June 2024)

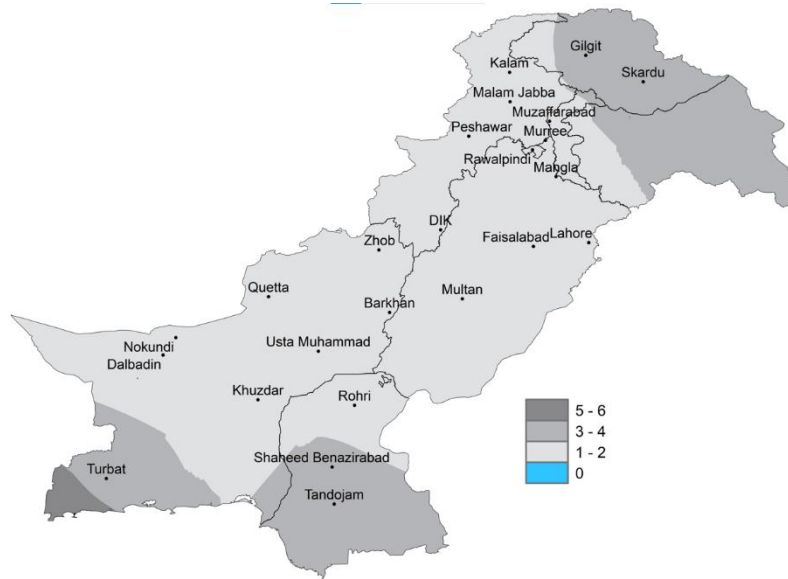


Figure 10: Mean Cloudiness at 0800

Mean Cloudiness (Octas) at 1700PST during the Previous week (24th – 30th June 2024)

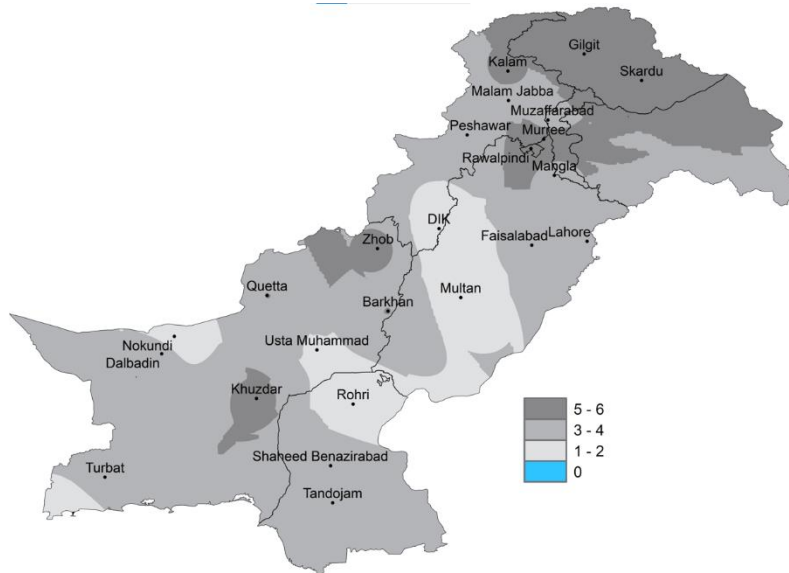


Figure 11: Mean Cloudiness at 1700

**Mean Wind Speed (Knots) at 0800PST during the
Previous week (24th – 30th June 2024)**

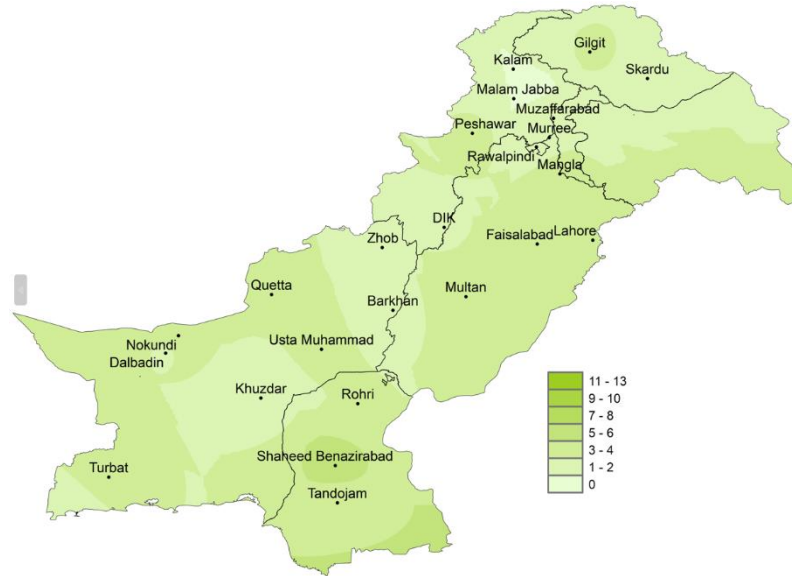


Figure 12: Mean Wind Speed 0300

**Mean Wind Speed (Knots) at 1700PST during the
Previous week (24th – 30th June 2024)**

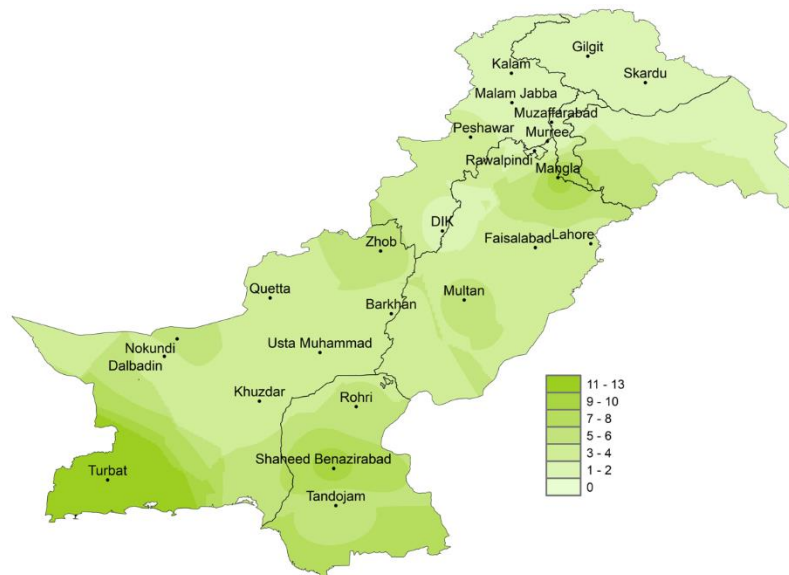
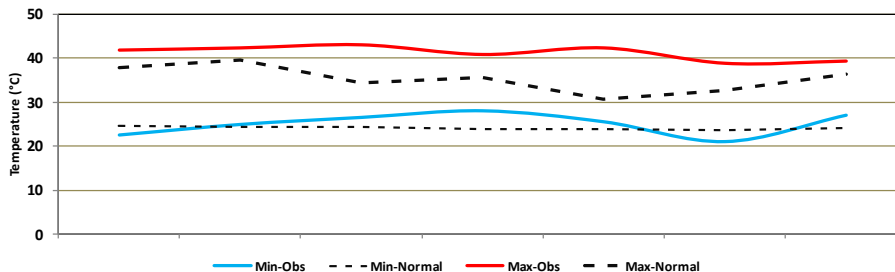


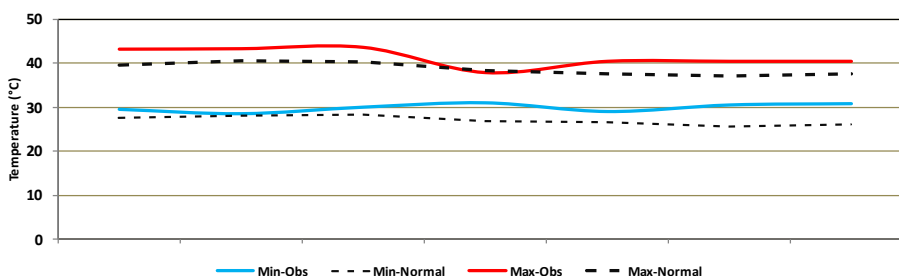
Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal)
during the previous week (24th – 30th June 2024)

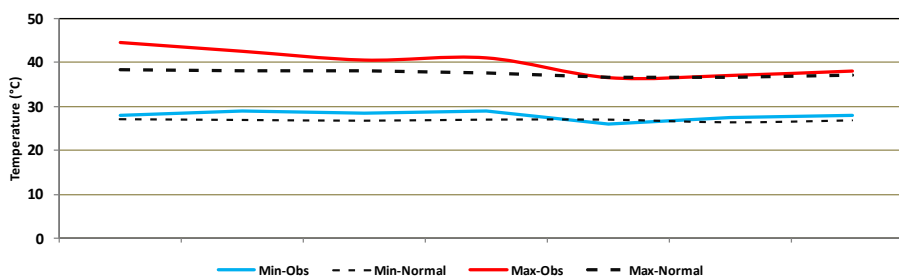
Rawalpindi (Min & Max Temperatures)



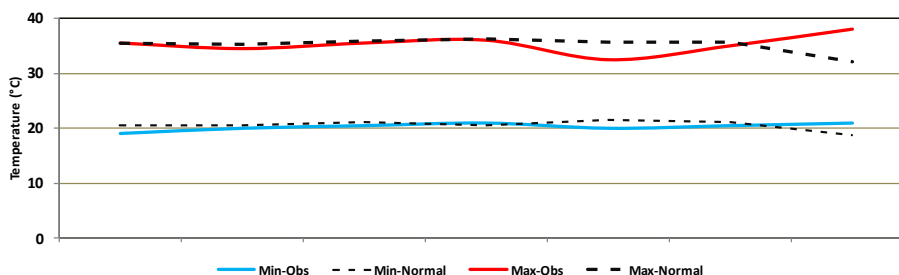
Faisalabad (Min & Max Temperatures)



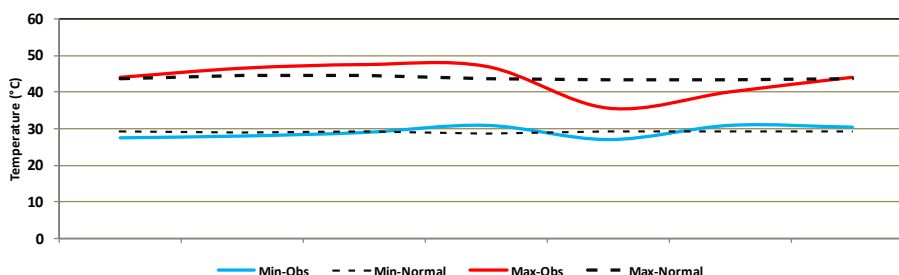
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**(01st – 07th July 2024)**

A shallow westerly wave is present over Kashmir and adjoining hilly areas. Moist currents from Arabian sea penetrating southeastern parts of the country.

MONDAY**01-07-2024**

Mainly hot and humid weather is expected in most parts of the country. However, rain windstorm/thundershower is expected at isolated places in Kashmir, northeast/east Punjab, Potohar region, upper Khyber-Pakhtunkhwa, lower Sindh and northeast/lower Balochistan.

TUESDAY**02-07-2024**

Rain windstorm/thundershower is expected at isolated places in Kashmir, upper Punjab, Potohar region, Islamabad and upper/lower Khyber-Pakhtunkhwa. Hot and humid weather is expected in other parts of the country.

WEDNESDAY**03-07-2024**

Rain-windstorm/thundershower is expected in Islamabad, Potohar region, Kashmir, upper Punjab, Khyber-Pakhtunkhwa. Isolated heavy fall is likely in Kashmir, Abbottabad, Mansehra, Balakot, Buner and northeast Punjab. Hot and humid weather is expected elsewhere.

THURSDAY**04-07-2024**

Rain-windstorm/thundershower is expected in Islamabad, Potohar region, Kashmir, Punjab, Khyber-Pakhtunkhwa, Gilgit-Baltistan and northeast Balochistan. Isolated heavy fall is likely in Murree, Galliyat, Kashmir, Islamabad, Potohar region, Upper Punjab and Upper Khyber Pakhtunkhwa. Landsliding, Flash flooding is expected in Kashmir, Murree, Galliyat and Upper Khyber Pakhtunkhwa.

FRIDAY**05-07-2024**

Rain-windstorm/thundershower is expected in Islamabad, Potohar region, Kashmir, Punjab, Khyber-Pakhtunkhwa, Gilgit-Baltistan and northeast Balochistan. Isolated heavy fall is likely in Murree, Galliyat, Kashmir, Islamabad, Potohar region, Upper Punjab and Upper Khyber Pakhtunkhwa. Landsliding, Flash flooding is expected in Gilgit Baltistan, Kashmir, Upper Khyber Pakhtunkhwa, Murree, Galliyat, Potohar

Region and Hill torrents of DG Khan. Urban flooding also expected in northeast/upper Punjab.

SATURDAY**06-07-2024**

Rain-windstorm/thundershower is expected in Islamabad, Potohar region, Kashmir, Punjab, Khyber-Pakhtunkhwa, Gilgit-Baltistan and northeast Balochistan. Isolated heavy fall is likely in Murree, Galliyat, Kashmir, Islamabad, Potohar region, Upper Punjab and Upper Khyber Pakhtunkhwa. Landsliding, Flash flooding is expected in Gilgit Baltistan, Kashmir, Upper Khyber Pakhtunkhwa, Murree, Galliyat, Potohar Region and Hill torrents of DG Khan. Urban flooding also expected in northeast/upper Punjab.

SUNDAY**07-07-2024**

Rain-windstorm/thundershower is expected in Islamabad, Potohar region, Kashmir, Punjab, Khyber-Pakhtunkhwa, Gilgit-Baltistan, northeast/eastern Balochistan and upper Sindh. Isolated heavy fall is likely in Gilgit Baltistan, Murree, Galliyat, Kashmir, Upper Khyber Pakhtunkhwa and Upper Punjab. Landsliding, Flash flooding is expected in Gilgit Baltistan, Upper Khyber Pakhtunkhwa, Kashmir, Murree and Galliyat. Urban flooding also likely in parts of upper Punjab.

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (24th – 30th 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	42.2	44.0	214.8	50.3	0.0	0.0	0.8	1.1	1.1
Faisalabad	41.4	43.6	144.5	49.0	0.0	0.4	2.7	2.3	2.9
Gawadar	36.5	37.5	190.3	72.6	0.0	5.4	1.3	0.0	11.7
Gilgit	36.4	39.0	159.3	43.6	0.0	2.6	5.3	1.7	1.4
Kalam	28.5	31.0	113.3	35.1	7.3	1.1	4.1	0.0	0.0
Lahore	39.7	43.3	132.6	50.4	35.0	2.0	3.0	3.7	3.0
Malam Jabba	25.7	28.0	110.0	59.6	59.0	1.1	3.9	0.0	0.6
Mangla	41.2	44.5	138.4	52.5	57.6	1.7	3.6	2.6	9.2
Multan (PBO)	42.1	44.0	150.6	45.5	0.0	0.3	1.1	3.4	4.6
Murree	27.3	29.0	54.8	63.2	31.0	1.9	5.3	0.9	1.3
Muzaffarabad	40.9	42.0	185.1	52.2	12.0	1.6	3.2	0.0	0.7
Sh. Ben. Abad	42.0	46.5	144.6	60.6	11.0	2.6	3.6	5.4	9.1
Peshawar	41.3	44.0	198.3	50.2	0.0	1.0	2.7	2.0	2.9
Quetta	35.3	38.0	159.5	36.2	0.0	0.8	4.0	2.2	2.4
Rawalpindi	41.4	43.2	127.6	57.7	47.0	1.9	4.0	1.1	1.7
Rohri	43.6	46.0	158.5	46.2	0.0	0.6	0.6	1.7	4.3
Skardu	31.9	35.5	130.7	35.1	0.0	3.7	4.1	1.4	0.0
Tandojam	40.0	44.5	133.0	58.0	2.6	2.6	2.1	2.3	4.0
U.Muhammad	43.5	47.5	219.3	40.5	0.0	0.8	1.8	2.0	3.4
Zhob	36.2	39.0	173.8	52.4	10.0	1.7	4.3	1.4	5.6

*** Shows that data was not available.