

Weekly Weather and Crop Bulletin for Pakistan

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Rainfall Distribution (mm) during the Previous Week (08th – 14th July 2024)

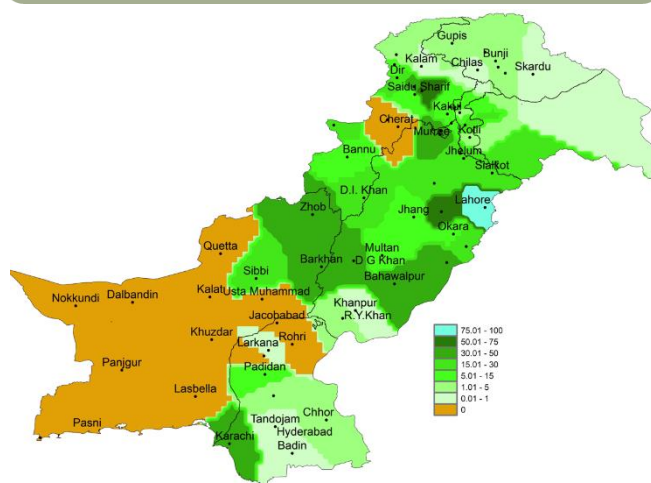


Figure 1: Rainfall.

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 (08th – 14th July 2024)

- Light to moderate rain was reported from most parts of the country whereas dry weather was observed in Baluchistan, few scattered places of Sindh and central KP during the previous week.
- Daily maximum temperatures were observed normal to above normal in most parts of the country.
- Daily minimum temperatures were observed above normal in the country.
- Normal to above 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 **(08th – 14th July 2024)**

Punjab

Moderate to heavy rainfall was reported from the Punjab province. Weekly maximum and minimum temperatures recorded as 37.3°C & 26.5°C respectively. For the recent week on average 118.4 growing degree days were accumulated. Average relative humidity recorded as 64% and wind speed in the morning/evening recorded as 2.6/3.6 Knots. Maximum rainfall was reported as 100.10 mm from Lahore. However, highest maximum temperature was recorded as 44.4°C at Khanpur.

Baluchistan

Light to moderate rainfall was reported from northern parts of the province. Weekly maximum and minimum temperatures recorded as 36.4°C & 23.4°C respectively. For the recent week on average 174.0 growing degree days were accumulated. Average relative humidity recorded 40% and wind speed in the morning/evening recorded as 2.4/7.7 Knots. Maximum rainfall was reported as 45.01 mm from Barkhan. However, highest maximum temperature was recorded as 46.5°C at Sibbi.

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 34.6°C & 21.9°C respectively. For the recent week on average 162.7 growing degree days were accumulated. Average relative humidity recorded as 65% and wind speed in the morning/evening recorded as 1.4/2.9 Knots. Maximum rainfall was reported as 62.00 mm from Malam Jabba. However, highest maximum temperature recorded as 41.5°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 40.1°C & 29.2°C respectively. For the recent week, on average 137.5 growing degree days were accumulated. Average relative humidity recorded as 62% and wind speed in the morning/evening recorded as 3.4/5.1 Knots. Maximum rainfall was reported as 38.52 mm from Karachi. However, highest maximum temperature recorded as 47.0°C at Jacobabad.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light rainfall was reported from Gilgit Baltistan and Kashmir during the previous week. Weekly maximum and minimum temperatures recorded as 32.6°C & 19.4°C respectively. For the recent week on average 147.2 growing degree days were accumulated. Average relative humidity recorded as 52%. and wind speed recorded in the morning/evening as 0.9/3.5. Highest rainfall was reported as 15.80 mm from Rawalakot. However, highest maximum temperature recorded as 42.0°C at Chilas.

Past Weather for Major Agricultural Plains**(08th – 14th July 2024)****Rawalpindi (Potohar region)**

Rainfall reported as 45.60 mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 4.4/3.4 Oktas, average relative humidity observed as 64%. Mean maximum time temperature was recorded as 37.2 °C and for the recent week 104.1 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.2/1.1 Knots. The highest maximum temperature was recorded as 40.0°C.

Faisalabad (Central Punjab)

Rainfall reported as 67.00 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded 1.4/2.7 Oktas while, average relative humidity observed as 70%. Mean maximum time temperature recorded 36.9°C & for the recent week 120.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.6/2.9 Knots. The highest maximum temperature was recorded as 39.0°C.

Tandojam (Lower Sindh)

Rainfall reported as 10.00 mm from Tandojam during the week; however, cloudiness in the morning/evening recorded as 3.7/3.4 oktas while, average relative humidity observed as 73%. Mean maximum time temperature recorded as 38.6°C & for the recent week 123.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/3.1 Knots. The highest maximum temperature was recorded as 39.5°C.

Usta Muhammad (Eastern Baluchistan)

Dry weather reported from Usta Muhammad during the week; however, cloudiness in the morning/evening recorded as 3.4/5.4. Average relative humidity observed as 54%. Mean maximum time temperature recorded as 44.4°C & for the recent week 207.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.1/6.0 Knots. The highest maximum temperature was recorded as 46.5°C.

Quetta (Northern Baluchistan)

Dry weather reported from Quetta during the week; however, cloudiness in the morning/evening recorded as 0.2/2.8 Oktas while, average relative humidity observed as 36%. Mean maximum time temperature recorded as 35.5°C & for the recent week 163.5 growing degree days accumulated. Wind speed recorded in the morning/evening as

2.6/2.8 Knots. The highest maximum temperature was recorded as 37.0°C.

Past Weather for Sub-Regional Agricultural Plains (08th – 14th July 2024)**Multan**

Rainfall reported as 8.20 mm from Multan during the week; however, cloudiness in the morning/evening recorded as 3.1/2.9 Oktas. Average relative humidity observed as 61%. Mean maximum time temperature recorded as 37.9°C & for the recent week 125.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.2/1.1 Knots.

Lahore

Rainfall reported as 100.10 mm from Lahore during the week; cloudiness in the morning/evening recorded as 4.9/5.7 Oktas, average relative humidity observed as 66%. Mean maximum time temperature recorded as 36.0°C & for the recent week 111.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/3.1 Knots.

Zhob

Rainfall reported as 37.01 mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 1.9/4.4 Oktas. Average relative humidity observed as 48%. Mean maximum time temperature recorded as 36.4 °C & for the recent week 174.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.1/5.6 Knots.

Murree

Rainfall reported as 13.00 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 3.6/4.0 Oktas while, average relative humidity observed as 65%. Mean maximum time temperature recorded as 25.7°C & for the recent week 39.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/1.7 Knots.

D.I. Khan

Rainfall reported as 24.00 mm from D.I. Khan during the week; however, cloudiness observed in the morning/evening recorded as 2.0/1.9. Average relative humidity observed as 66%. Mean maximum time temperature recorded as 38.5°C & for the recent week 196.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/2.0 Knots.

Peshawar

Dry weather reported from Peshawar during the week; however, cloudiness in the morning/evening recorded as 4.1/4.7 Oktas while, average relative humidity observed as 59%. Mean maximum time temperature was recorded as 38.6°C & for the recent week 186.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.3/3.7 Knots.

Kalam

Rainfall reported as 1.00 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 1.4/5.4 Oktas while, average relative humidity observed as 39%. Mean maximum time temperature recorded as 27.2°C & for the recent week 112.1 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/1.1 Knots.

Gilgit

Rainfall reported as 1.61 mm from Gilgit during the week, cloudiness in the morning/evening recorded as 4.3/5.3 Oktas while, average relative humidity observed as 45%. Mean maximum time temperature recorded as 34.1°C & for the recent week 147.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/4.9 Knots.

Skardu

Rainfall reported as 0.41 mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 3.4/5.4 Oktas while, average relative humidity observed as 39%. Mean maximum time temperature recorded as 29.1°C & for the recent week 119.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/1.1 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 of RAMC Faisalabad. Date of sowing 23-04-2024. Phonological Stage: Flowering completed. Condition: *Very Good*.

Lower Sindh (Tandojam)

Cotton crop is in the fields of RAMC Tandojam. 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 in the fields of RAMC Usta Muhammad. Date of sowing 01-06-2024. Phonological Stage: Germination Emergence. Condition: *Good*.

Actual & Departure of Maximum temperature (°C) for the Previous week (08th – 14th July 2024)

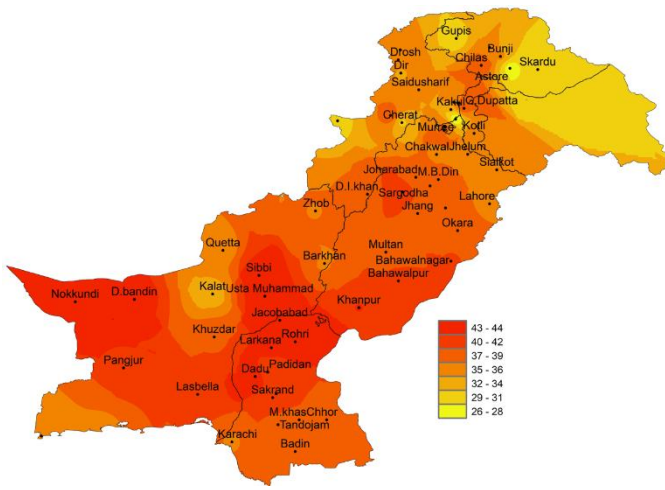


Figure 2: Actual Maximum temperature.

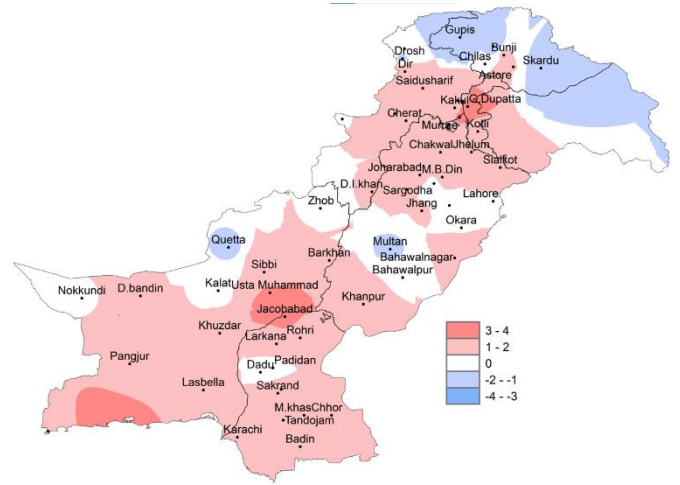


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (08th – 14th July 2024)

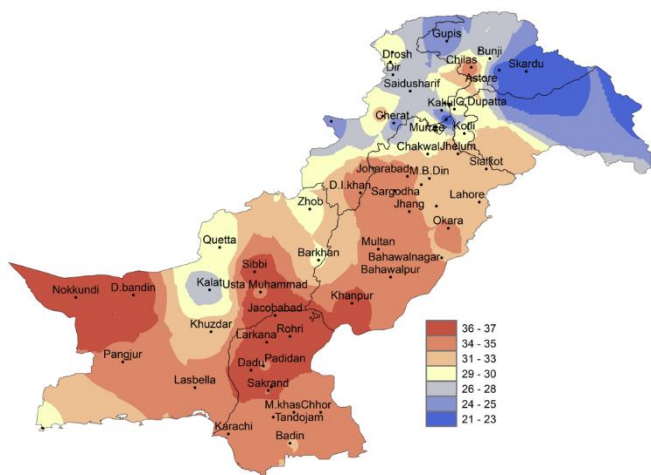


Figure 5: Actual Mean temperature.

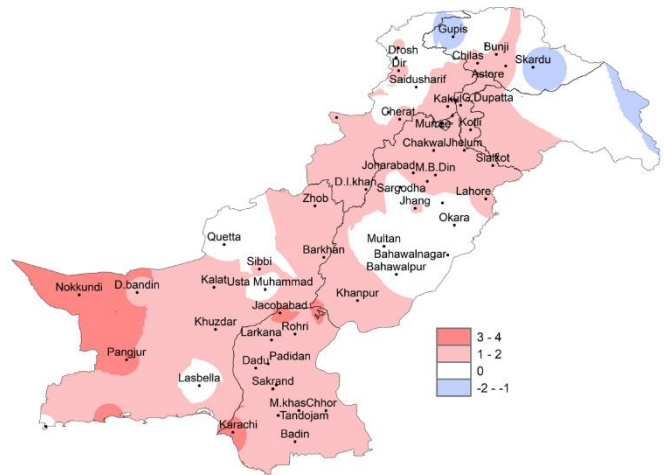


Figure 4: Departure of Mean temperature.

Actual Minimum temperature (°C) during the Previous week (08th – 14th July 2024)

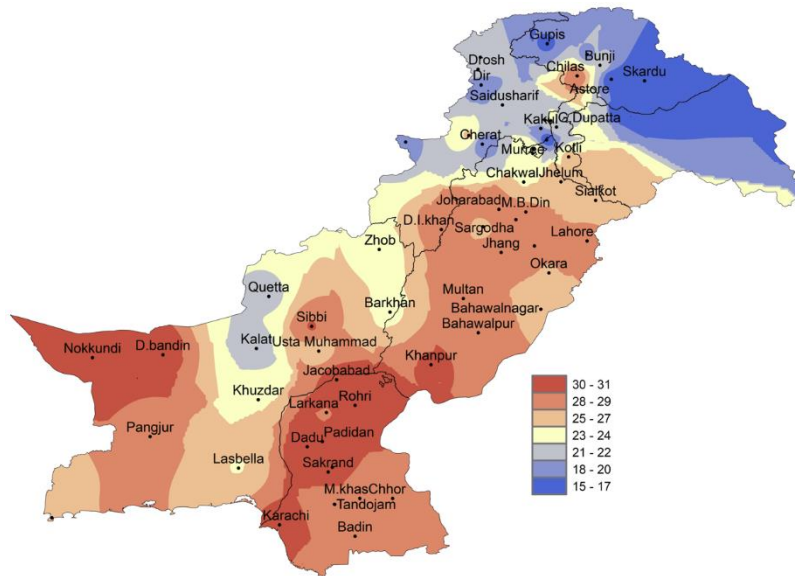


Figure 6: Actual Minimum temperature.

Departure of Minimum temperature (°C) during the Previous week (08th – 14th July 2024)

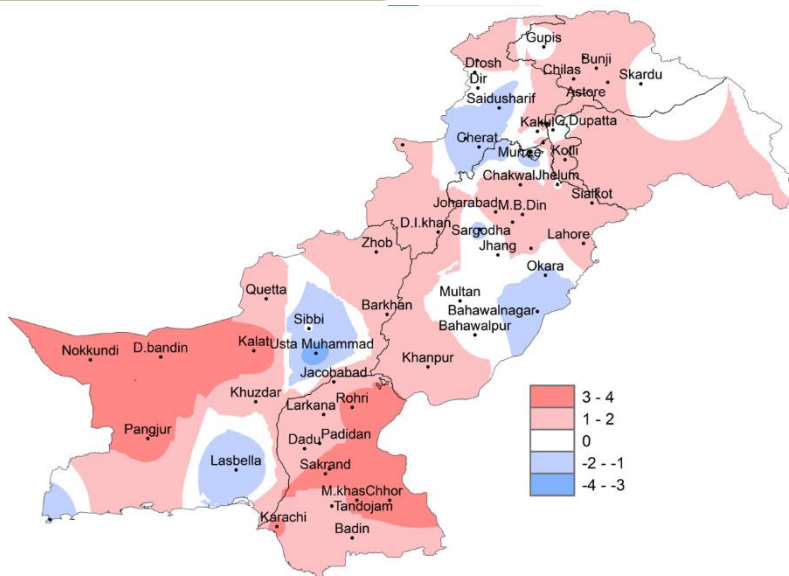


Figure 7: Departure of Minimum temperature.

Mean Relative Humidity (%) during the Previous week (08th – 14th July 2024)

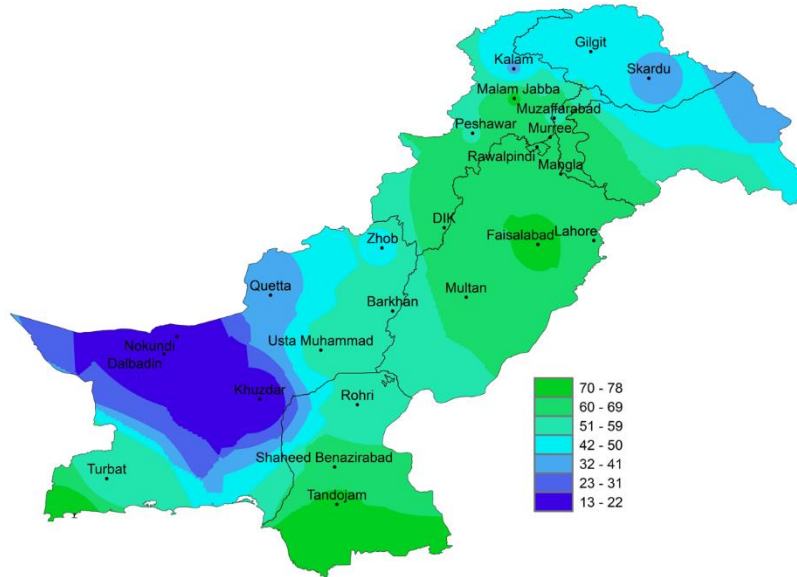


Figure 8: Relative Humidity

Total Growing Degree Days accumulated during the Previous week (08th – 14th July 2024)

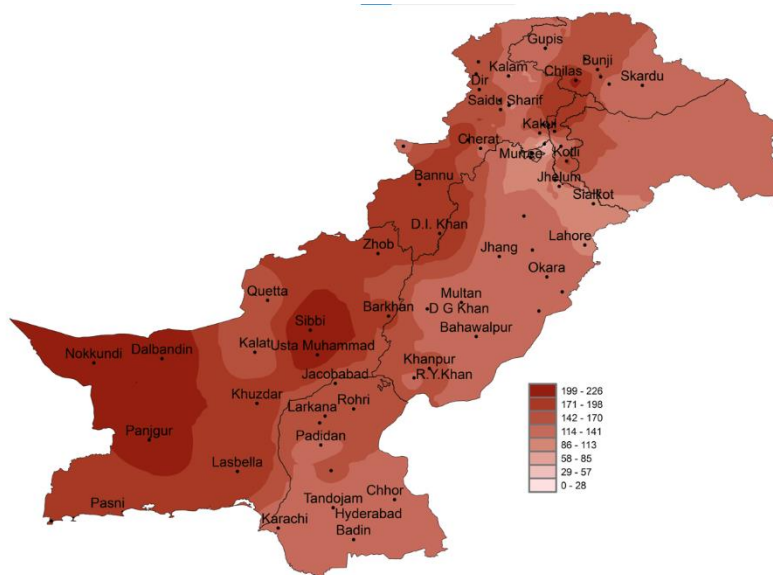


Figure 9: Growing Degree Days

Mean Cloudiness (Octas) at 0800PST during the Previous week (08th – 14th July 2024)

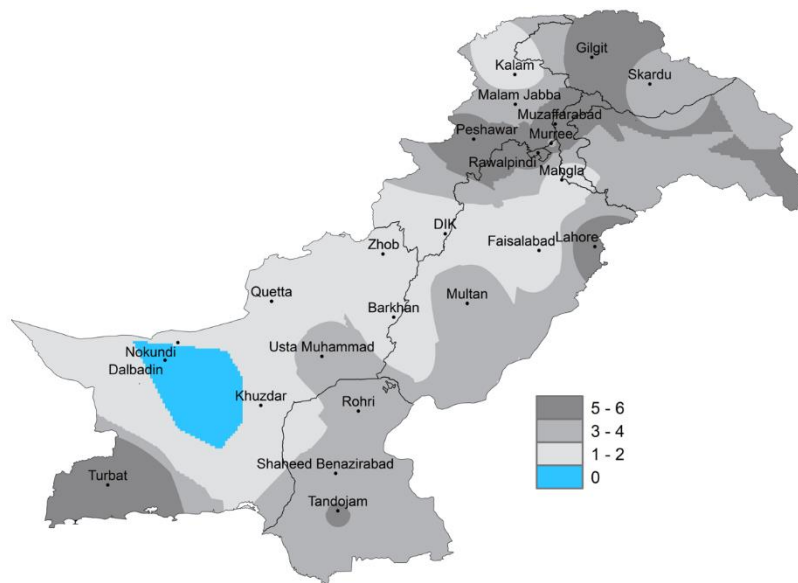


Figure 10: Mean Cloudiness at 0800

Mean Cloudiness (Octas) at 1700PST during the Previous week (08th – 14th July 2024)

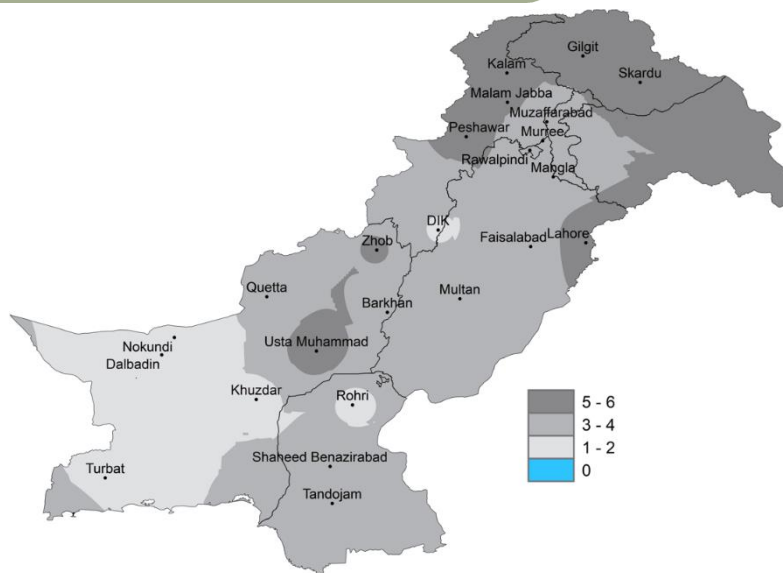


Figure 11: Mean Cloudiness at 1700

**Mean Wind Speed (Knots) at 0800PST during the
Previous week (08th – 14th July 2024)**

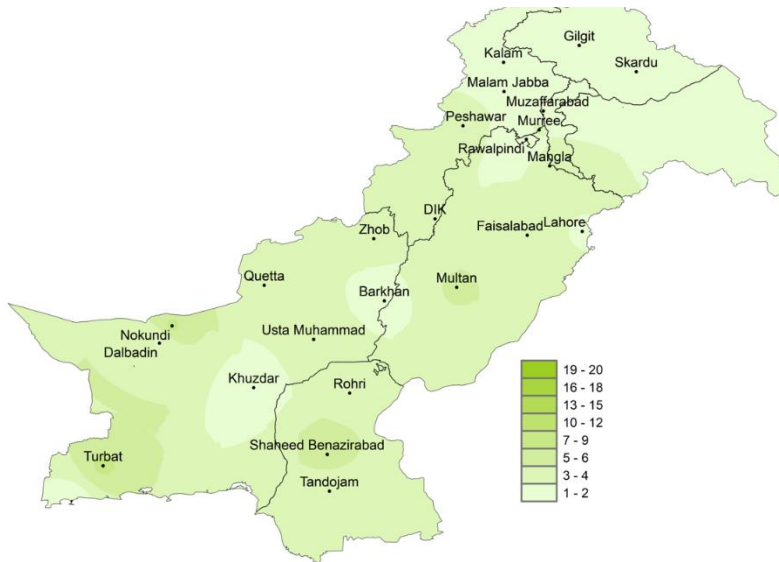


Figure 12: Mean Wind Speed 0300

**Mean Wind Speed (Knots) at 1700PST during the
Previous week (08th – 14th July 2024)**

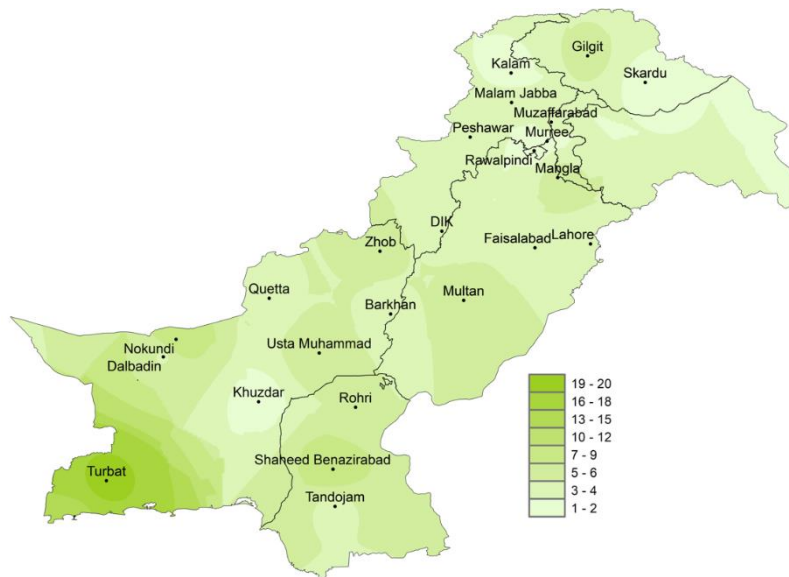
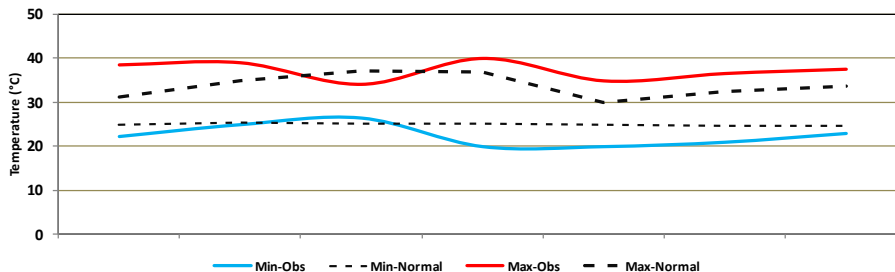


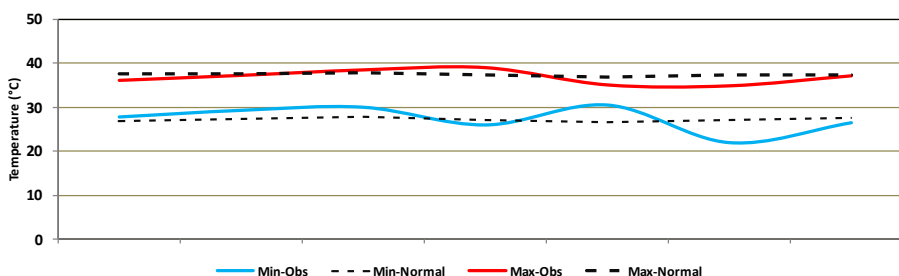
Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal)
during the previous week (08th – 14th July 2024)

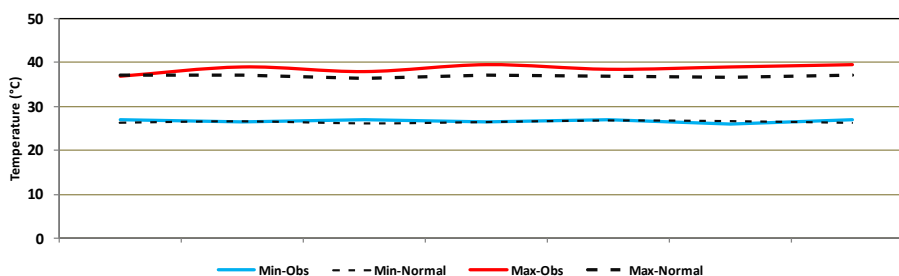
Rawalpindi (Min & Max Temperatures)



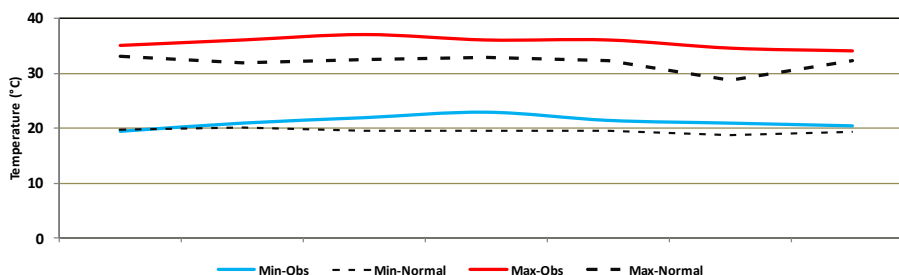
Faisalabad (Min & Max Temperatures)



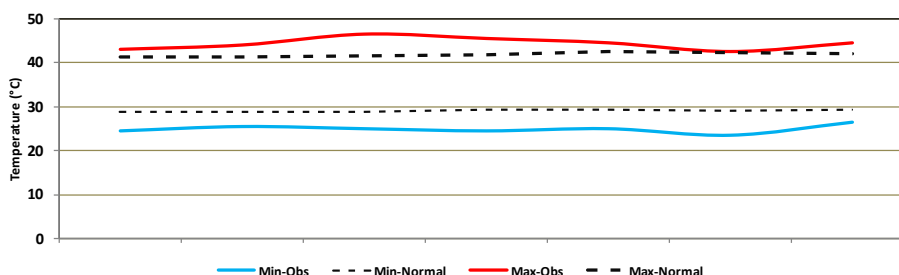
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**(15th – 21st July 2024)**

Weak monsoon currents from Arabian Sea are penetrating central/upper parts of the country. A trough of westerly wave is affecting upper parts of the country and likely to affect western and southern parts from tonight.

MONDAY**15-07-2024**

Mainly hot and humid weather is expected in most parts of the country. However, rain-thundershower associated with windstorm/gusty winds is likely at isolated places in upper Khyber Pakhtunkhwa, south Punjab, northeast/south Balochistan, southeast Sindh, Gilgit-Baltistan and Kashmir.

TUESDAY**16-07-2024**

Mainly hot and humid weather is expected in most parts of the country. However, rain-thundershower associated with windstorm/gusty winds is likely at isolated places in upper Khyber Pakhtunkhwa, Potohar region, Islamabad, south Punjab, northeast/south Balochistan, southeast Sindh, Gilgit-Baltistan and Kashmir.

WEDNESDAY**17-07-2024**

Rain-wind/thundershower is expected at isolated places in Khyber-Pakhtunkhwa, northeast Punjab, Islamabad, Pothohar region, southeastern Sindh, Kashmir and Gilgit Baltistan. Hot and humid weather expected in other parts of the country.

THURSDAY**18-07-2024**

Rain-wind/thundershower is expected in Khyber Pakhtunkhwa, Islamabad, Pothohar region, Punjab, northeast Balochistan, Kashmir and Gilgit-Baltistan. Hot and humid weather expected in other parts of the country.

FRIDAY**19-07-2024**

Rain-wind/thundershower is expected in Khyber Pakhtunkhwa, Kashmir, Gilgit-Baltistan, Islamabad, Pothohar region, upper/eastern Punjab, northeast Balochistan and southeastern Sindh. Hot and humid weather expected in other parts of the country.

SATURDAY**20-07-2024**

Mainly hot and humid weather expected most plain areas of the country. However, rain-wind/thunderstorm is likely at isolated places in

Khyber Pakhtunkhwa, Gilgit Baltistan, Kashmir, Potohar region and southeast Balochistan.

SUNDAY**21-07-2024**

Mainly hot and humid weather expected most parts of the country. However, rain-wind/thunderstorm is likely at isolated places in upper Khyber Pakhtunkhwa, Gilgit Baltistan, Kashmir and adjoining hilly areas.

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (08th – 14th July 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	38.5	40.5	196.5	66.4	24.0	2.0	1.9	2.0	2.0
Faisalabad	36.9	39.0	120.3	70.0	67.0	1.4	2.7	2.6	2.9
Gawadar	34.9	35.5	185.3	77.9	0.0	4.7	2.4	0.0	13.7
Gilgit	34.1	38.0	147.8	45.4	1.6	4.3	5.3	1.1	4.9
Kalam	27.2	29.0	112.1	39.0	1.0	1.4	5.4	0.0	1.1
Lahore	36.0	38.3	111.4	65.7	100.1	4.9	5.7	1.4	3.1
Malam Jabba	24.4	26.6	96.4	70.1	62.0	3.3	4.4	1.4	2.9
Mangla	35.8	37.5	111.2	66.7	21.4	1.3	3.1	2.3	5.4
Multan (PBO)	37.9	40.2	125.8	61.0	8.2	3.1	2.9	4.3	6.0
Murree	25.7	26.8	39.7	64.7	13.0	3.6	4.0	2.0	1.7
Muzaffarabad	36.7	38.7	172.9	57.6	12.0	4.0	2.9	0.0	2.6
Sh. Ben. Abad	41.4	43.5	143.5	60.0	2.0	3.0	3.4	5.1	8.3
Peshawar	38.6	40.5	186.8	58.9	0.0	4.1	4.7	2.3	3.7
Quetta	35.5	37.0	163.5	36.0	0.0	0.2	2.8	2.6	2.8
Rawalpindi	37.2	40.0	104.1	64.0	45.6	4.4	3.4	0.2	1.1
Rohri	42.3	44.5	148.3	53.4	0.0	2.7	1.6	3.4	4.0
Skardu	29.1	31.4	119.5	39.0	0.4	3.4	5.4	0.0	1.1
Tandojam	38.6	39.5	123.8	72.5	10.0	3.7	3.4	1.7	3.1
U.Muhammad	44.4	46.5	207.5	54.2	0.0	3.4	5.4	3.1	6.0
Zhob	36.4	39.0	174.0	48.3	37.0	1.9	4.4	2.1	5.6

*** Shows that data was not available.