

Weekly Weather and Crop Bulletin for Pakistan

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Rainfall Distribution (mm) during the Previous Week (22<sup>nd</sup> – 28<sup>th</sup> July 2024)

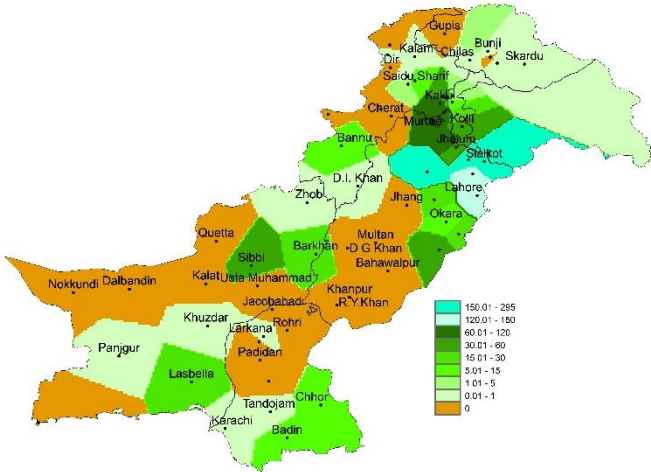


Figure 1: Rainfall.

Highlights of Past Weather  
(22<sup>nd</sup> – 28<sup>th</sup> July 2024)

- Heavy rainfall was reported particularly from northeastern parts of Punjab and adjoining areas of eastern Khyber Pakhtunkhwa. However, light to moderate rainfall observed from some scattered locations of the country.
- Dry weather reported from the central/western parts of Balochistan, Southern Punjab, upper parts of Sindh and some isolated locations of KP.
- 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.

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

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**Past Weather of Provinces****(22<sup>nd</sup> – 28<sup>th</sup> July 2024)****Punjab**

Heavy rainfall was reported particularly from most parts of the northeastern Punjab while dry weather observed over the central/southern parts. Weekly maximum and minimum temperatures recorded as 37.9°C & 28.0°C respectively. For the recent week on average 125.8 growing degree days were accumulated. Average relative humidity recorded as 70% and wind speed in the morning/evening recorded as 3.3/3.7 Knots. Maximum rainfall was reported as 293.71 mm from Sialkot. However, highest maximum temperature was recorded as 44.2°C at Chakwal and Khanpur.

**Baluchistan**

Light to moderate rainfall was reported from some scattered locations while dry weather observed over the central/western parts of the province. Weekly maximum and minimum temperatures recorded as 37.4°C & 25.6°C respectively. For the recent week on average 185.7 growing degree days were accumulated. Average relative humidity recorded 40% and wind speed in the morning/evening recorded as 2.3/7.1 Knots. Maximum rainfall was reported as 47.00 mm from Sibbi. However, highest maximum temperature was recorded as 48.0°C at Nokkundi.

**Khyber Pakhtunkhwa**

Light to moderate rainfall was reported from most parts of Khyber Pakhtunkhwa while dry weather observed over the central and northern parts of the province. Weekly maximum and minimum temperatures recorded as 36.2°C & 23.9°C respectively. For the recent week on average 175.0 growing degree days were accumulated. Average relative humidity recorded as 68% and wind speed in the morning/evening recorded as 1.1/2.3 Knots. Maximum rainfall was reported as 81.00 mm from Kakul. However, highest maximum temperature recorded as 43.5°C at D. I. Khan.

**Sindh**

Light rain was reported from the southern parts of Sindh whereas upper parts of the province observed dry weather. Weekly maximum and minimum temperatures recorded as 39.6°C & 29.4°C respectively. For the recent week, on average 136.4 growing degree days were accumulated. Average relative humidity recorded as 63% and wind speed in the morning/evening recorded as 5.0/6.9 Knots. Maximum rainfall was reported as 13.00 mm from Mirpurkhas. However, highest maximum temperature recorded as 45.0°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 36.1°C & 20.6°C respectively. For the recent week on average 164.6 growing degree days were accumulated. Average relative humidity recorded as 57%. and wind speed recorded in the morning/evening as 0.5/1.9. Highest rainfall was reported as 44.50 mm from Muzaffarabad. However, highest maximum temperature recorded as 45.0°C at Chilas.

**Past Weather for Major Agricultural Plains****(22<sup>nd</sup> – 28<sup>th</sup> July 2024)****Rawalpindi (Potohar region)**

Rainfall reported as 74.90 mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 5.7/4.0 Oktas, average relative humidity observed as 75%. Mean maximum time temperature was recorded as 35.5 °C and for the recent week 101.0 growing degree days were accumulated. Wind speed recorded in the morning/evening as 1.1/2.6 Knots. The highest maximum temperature was recorded as 39.0°C.

**Faisalabad (Central Punjab)**

Rainfall reported as 16.00 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded 3.1/3.1 Oktas while, average relative humidity observed as 70%. Mean maximum time temperature recorded 37.6°C & for the recent week 128.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 4.0/2.6 Knots. The highest maximum temperature was recorded as 39.0°C.

**Tandojam (Lower Sindh)**

Dry weather reported from Tandojam during the week; however, cloudiness in the morning/evening recorded as 3.4/2.7 oktas while, average relative humidity observed as 71%. Mean maximum time temperature recorded as 37.1°C & for the recent week 120.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 4.3/7.1 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 3.0/0.5. Average relative humidity observed as 56%. Mean maximum time temperature recorded as 42.1°C & for the recent week 213.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.2/3.4 Knots. The highest maximum temperature was recorded as 44.0°C.

**Quetta (Northern Baluchistan)**

Dry weather reported from Quetta during the week; however, cloudiness in the morning/evening recorded as 3.7/4.4 Oktas while, average relative humidity observed as 32%. Mean maximum time temperature recorded as 37.6°C & for the recent week 174.0 growing degree days accumulated. Wind speed recorded in the morning/evening as

1.7/2.9 Knots. The highest maximum temperature was recorded as 38.5°C.

**Past Weather for Sub-Regional Agricultural Plains (22<sup>nd</sup> – 28<sup>th</sup> July 2024)****Multan**

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 3.4/3.1 Oktas. Average relative humidity observed as 55%. Mean maximum time temperature recorded as 41.3°C & for the recent week 151.1 growing degree days accumulated. Wind speed recorded in the morning/evening as 7.4/6.9 Knots.

**Lahore**

Rainfall reported as 124.40 mm from Lahore during the week; cloudiness in the morning/evening recorded as 6.0/4.7 Oktas, average relative humidity observed as 70%. Mean maximum time temperature recorded as 35.8°C & for the recent week 114.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.6/2.3 Knots.

**Zhob**

Rainfall reported as 0.02 mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 2.3/3.7 Oktas. Average relative humidity observed as 48%. Mean maximum time temperature recorded as 37.4 °C & for the recent week 185.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.4/4.1 Knots.

**Murree**

Rainfall reported as 64.01 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 5.6/7.4 Oktas while, average relative humidity observed as 86%. Mean maximum time temperature recorded as 24.3°C & for the recent week 43.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/2.0 Knots.

**D.I. Khan**

Rainfall reported as 0.01 mm (Trace) from D.I. Khan during the week; however, cloudiness observed in the morning/evening recorded as 3.3/2.6. Average relative humidity observed as 67%. Mean maximum time temperature recorded as 41.1°C & for the recent week 214.0 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 2.7/4.0 Oktas while, average relative humidity observed as 67%. Mean maximum time temperature was recorded as 39.5°C & for the recent week 194.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.3/3.1 Knots.

**Kalam**

Rainfall reported as 0.02 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 1.7/3.9 Oktas while, average relative humidity observed as 33%. Mean maximum time temperature recorded as 29.4°C & for the recent week 124.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/1.3 Knots.

**Gilgit**

Rainfall reported as 2.00 mm from Gilgit during the week, cloudiness in the morning/evening recorded as 1.7/4.0 Oktas while, average relative humidity observed as 50%. Mean maximum time temperature recorded as 39.1°C & for the recent week 163.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/2.1 Knots.

**Skardu**

Rainfall reported as 0.02 mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 2.3/3.9 Oktas while, average relative humidity observed as 33%. Mean maximum time temperature recorded as 34.4°C & for the recent week 144.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/2.3 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: Flowering. 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. Condition: *Good*.

Actual & Departure of Maximum temperature (°C) for the Previous week (22<sup>nd</sup> – 28<sup>th</sup> July 2024)

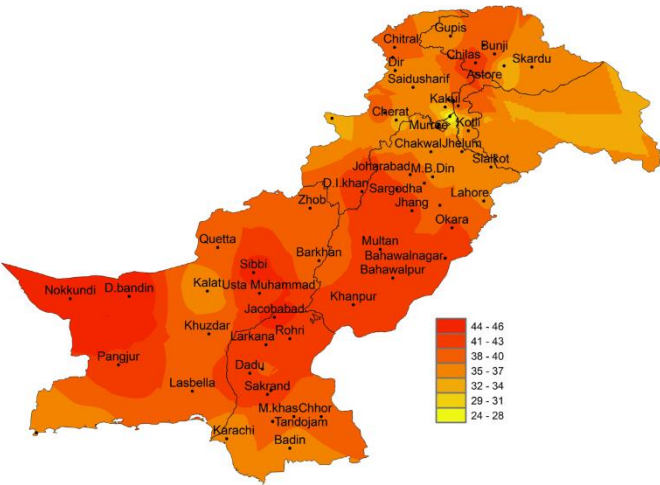


Figure 2: Actual Maximum temperature.

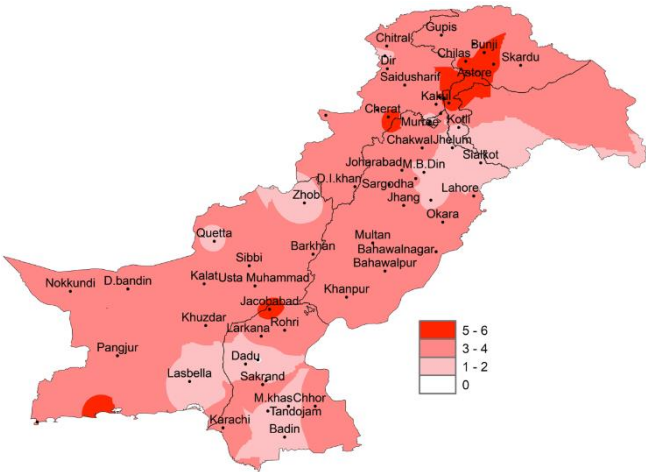


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (22<sup>nd</sup> – 28<sup>th</sup> July 2024)

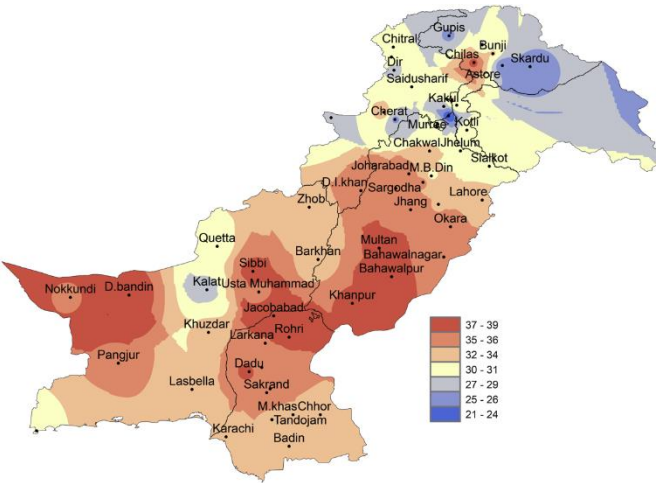


Figure 5: Actual Mean temperature.

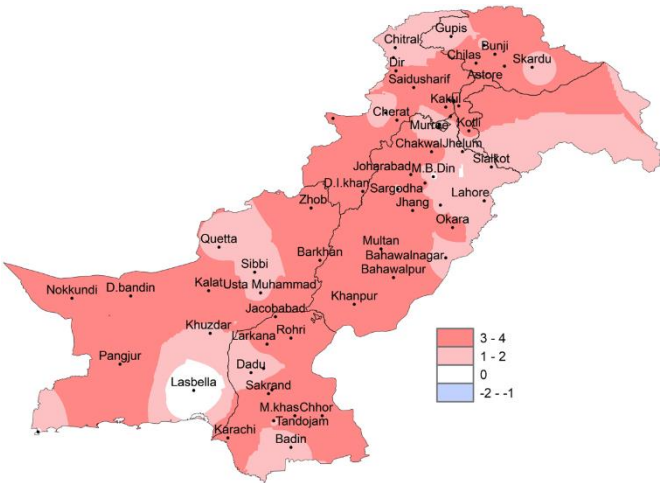


Figure 4: Departure of Mean temperature.

Actual Minimum temperature (°C) during the  
Previous week (22<sup>nd</sup> – 28<sup>th</sup> July 2024)

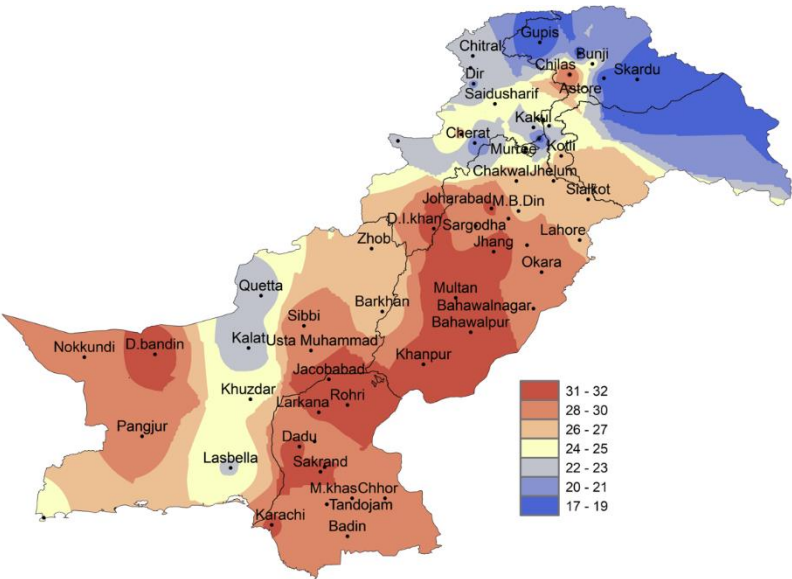


Figure 6: Actual Minimum temperature.

Departure of Minimum temperature (°C) during the  
Previous week (22<sup>nd</sup> – 28<sup>th</sup> July 2024)

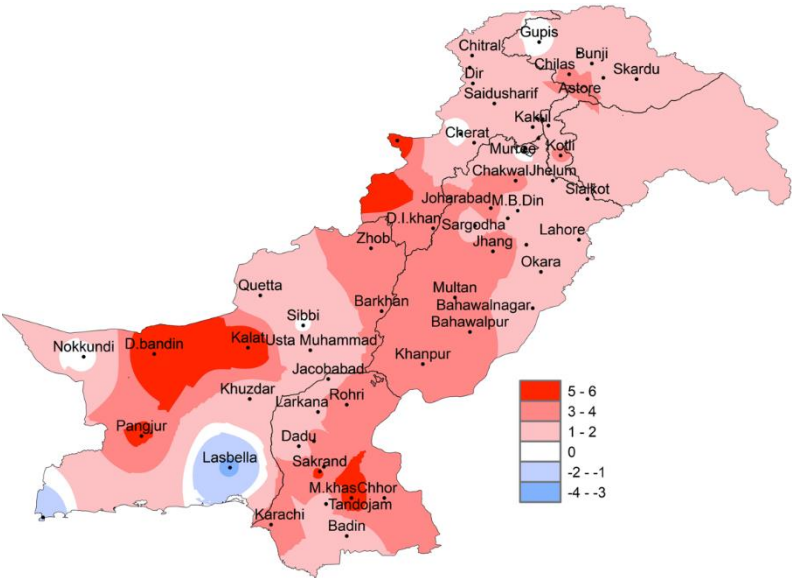


Figure 7: Departure of Minimum temperature.

Mean Relative Humidity (%) during the  
Previous week (22<sup>nd</sup> – 28<sup>th</sup> July 2024)

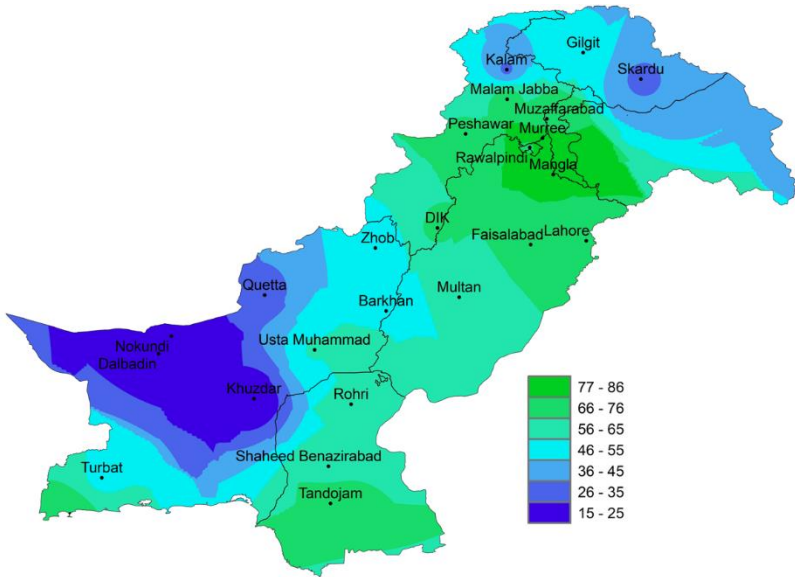


Figure 8: Relative Humidity

Total Growing Degree Days accumulated during the  
Previous week (22<sup>nd</sup> – 28<sup>th</sup> July 2024)

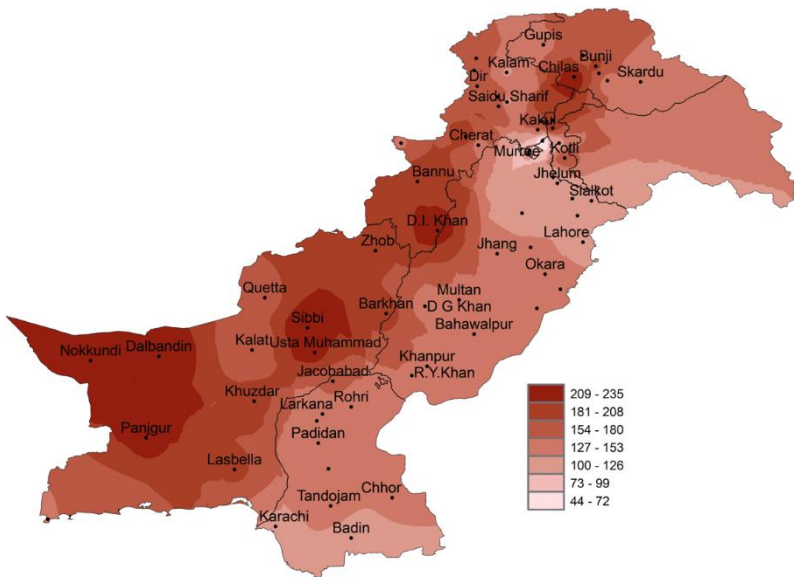


Figure 9: Growing Degree Days



Mean Cloudiness (Octas) at 0800PST during the  
Previous week (22<sup>nd</sup> – 28<sup>th</sup> July 2024)

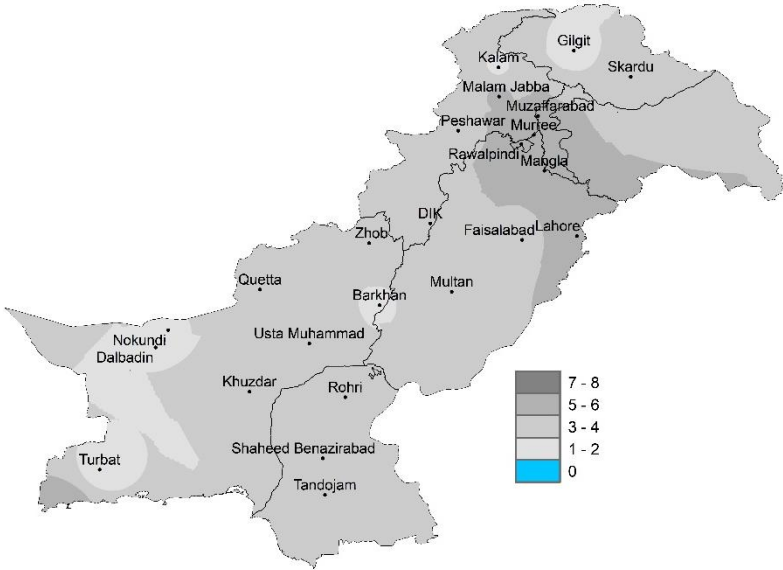


Figure 10: Mean Cloudiness at 0800

Mean Cloudiness (Octas) at 1700PST during the  
Previous week (22<sup>nd</sup> – 28<sup>th</sup> July 2024)

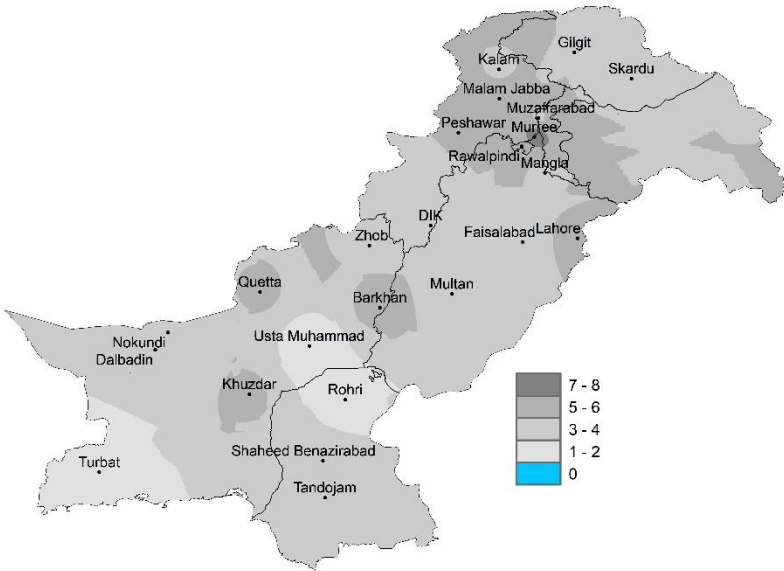


Figure 11: Mean Cloudiness at 1700



Mean Wind Speed (Knots) at 0800PST during the  
Previous week (22<sup>nd</sup> – 28<sup>th</sup> July 2024)

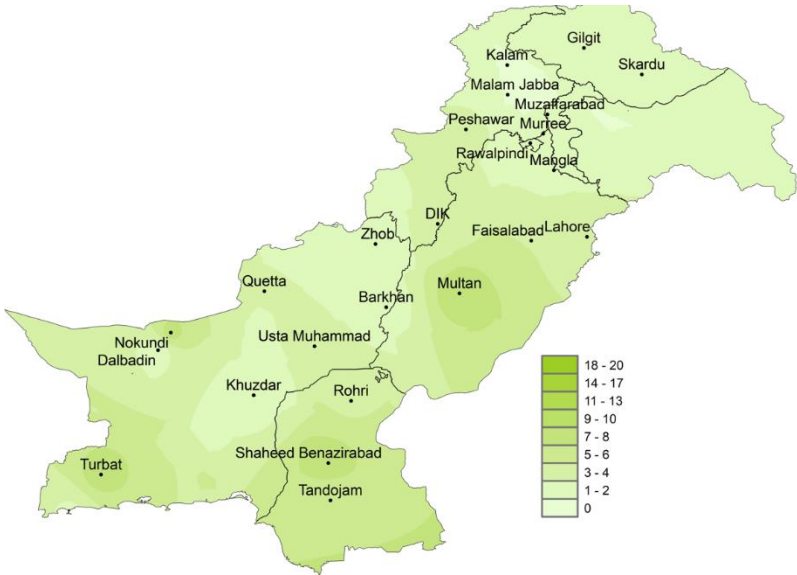


Figure 12: Mean Wind Speed 0300

Mean Wind Speed (Knots) at 1700PST during the  
Previous week (22<sup>nd</sup> – 28<sup>th</sup> July 2024)

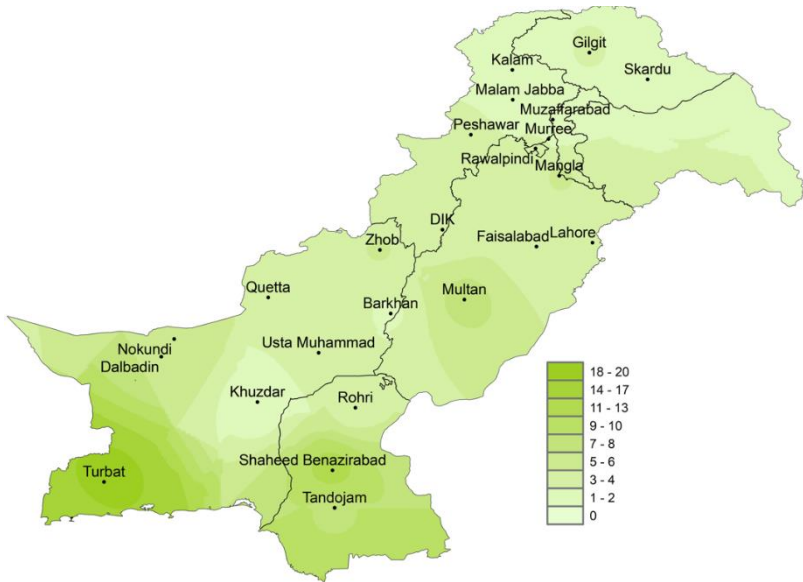
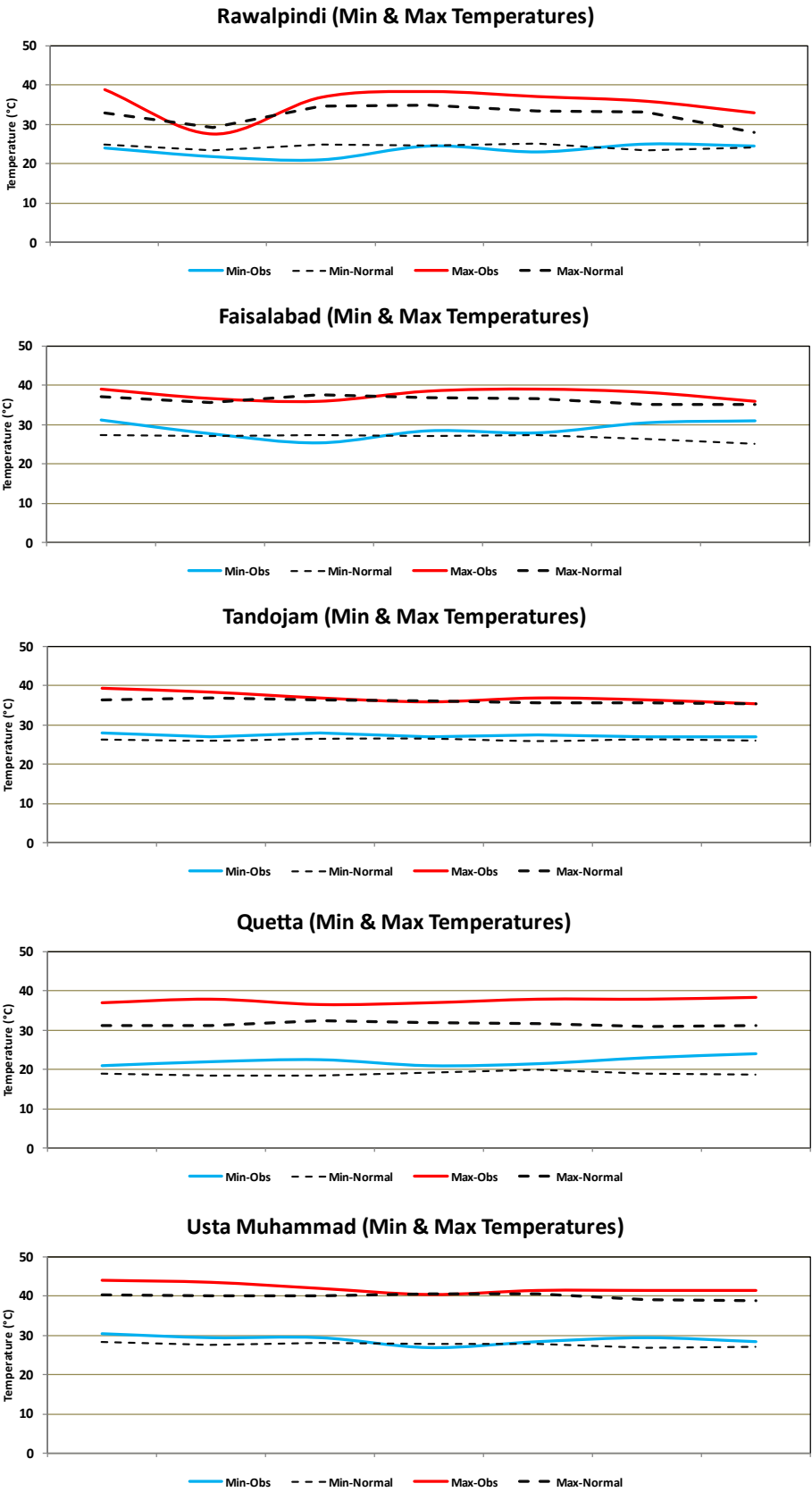


Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal)  
during the previous week (22<sup>nd</sup> – 28<sup>th</sup> July 2024)



**Weekly Weather Advisory for Farmers****(29<sup>th</sup> July – 04<sup>th</sup> August 2024)**

Monsoon currents are penetrating from Bay of Bengal in upper/eastern parts and likely to penetrate in central and southern parts of the country on today evening/night.

**MONDAY****29-07-2024**

Rain-windstorm/thundershower is expected in Khyber Pakhtunkhwa, Kashmir, upper/central Punjab and Islamabad. Rain-windstorm/thundershower is also likely in south Punjab, Sindh and northeast/south Balochistan during evening/night. Heavyfalls may also occur in Kashmir, northeast/southern Punjab, Sindh, northeast Balochistan and upper Khyber Pakhtunkhwa during the period.

**TUESDAY****30-07-2024**

Rain-windstorm/thundershower is expected in Khyber Pakhtunkhwa, Gilgit-Baltistan, Kashmir, Islamabad, Punjab, Sindh and northeast/south Balochistan. Heavyfalls may also occur in Kashmir, northeast/south Punjab, Sindh, northeast Balochistan and Khyber Pakhtunkhwa during the period.

**WEDNESDAY****31-07-2024**

Rain-windstorm/thundershower is expected in Kashmir, Pothohar region, central/eastern Punjab, upper Khyber Pakhtunkhwa, Islamabad, east/south Balochistan, coastal areas of Sindh and Gilgit Baltistan. Isolated heavyfalls is also likely in northeast Punjab and Kashmir.

**THURSDAY****01-08-2024**

Rain-windstorm/thundershower is expected in Kashmir, Punjab, Khyber Pakhtunkhwa, Islamabad, northeast Balochistan, southeast Sindh and Gilgit Baltistan. Isolated heavyfalls may also occur in Kashmir, northeast Punjab, Pothohar region and upper Khyber Pakhtunkhwa.

**FRIDAY****02-08-2024**

Rain-windstorm/thundershower is expected in Kashmir, Punjab, Khyber Pakhtunkhwa, Islamabad, north/southeast Balochistan, Sindh and Gilgit Baltistan. Isolated heavyfalls may also occur in northeast Punjab and Kashmir.

**SATURDAY****03-08-2024**

Rain-windstorm/thundershower is expected in Kashmir, Punjab, Khyber Pakhtunkhwa, Islamabad, northeast Balochistan, Sindh and Gilgit Baltistan. Isolated heavyfalls are likely in Kashmir, upper Khyber Pakhtunkhwa, northeast Punjab and Sindh.

**SUNDAY****04-08-2024**

Rain-windstorm/thundershower is expected in Kashmir, Punjab, upper Khyber Pakhtunkhwa, northeast/southeastern Balochistan and Sindh. Isolated heavyfalls are likely in eastern Punjab, Sindh and southeastern Balochistan.

**ADVISORY FOR FARMERS**

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

**National Weather Data of Selected Cities from (22<sup>nd</sup> – 28<sup>th</sup> 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	41.1	43.5	214.0	67	0.0	3.3	2.6	2.0	2.0
Faisalabad	37.6	39.0	128.0	70	16.0	3.1	3.1	4.0	2.6
Gawadar	36.3	38.0	161.0	75	0.0	5.5	1.2	1.3	13.0
Gilgit	39.1	43.0	163.8	50	2.0	1.7	4.0	1.1	2.1
Kalam	29.4	31.0	124.3	33	0.0	1.7	3.9	0.0	1.3
Lahore	35.8	38.3	114.4	70	86.8	6.0	4.7	2.6	2.3
Malam Jabba	26.5	28.2	116.4	73	9.0	4.4	4.7	0.0	0.0
Mangla	34.5	38.0	105.6	79	63.5	4.6	3.1	0.9	4.3
Multan (PBO)	41.3	42.2	151.1	55	0.0	3.4	3.1	7.4	6.9
Murree	24.3	26.0	43.5	86	64.0	5.6	7.4	0.0	2.0
Muzaffarabad	38.6	41.0	185.4	66	44.5	4.0	3.7	0.0	0.0
Sh. Ben. Abad	41.4	43.5	143.6	62	0.0	4.0	2.7	7.1	11.1
Peshawar	39.5	42.0	194.0	67	0.0	2.7	4.0	2.3	3.1
Quetta	37.6	38.5	174.0	32	0.0	3.7	4.4	1.7	2.9
Rawalpindi	35.5	39.0	101.0	75	74.9	5.7	4.0	1.1	2.6
Rohri	42.6	44.5	149.8	56	0.0	2.1	1.3	3.7	2.6
Skardu	34.4	37.3	144.9	33	0.0	2.3	3.9	0.0	1.3
Tandojam	37.1	39.5	120.8	71	0.0	3.4	2.7	4.3	7.1
U.Muhammad	42.1	44.0	213.8	56	0.0	3.0	0.5	2.2	3.4
Zhob	37.4	39.5	185.7	48	0.0	2.3	3.7	0.4	4.1

\*\*\* Shows that data was not available.