

Weekly Weather and Crop Bulletin for Pakistan

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Rainfall Distribution (mm) during the Previous Week (13<sup>th</sup> – 19<sup>th</sup> May 2024)

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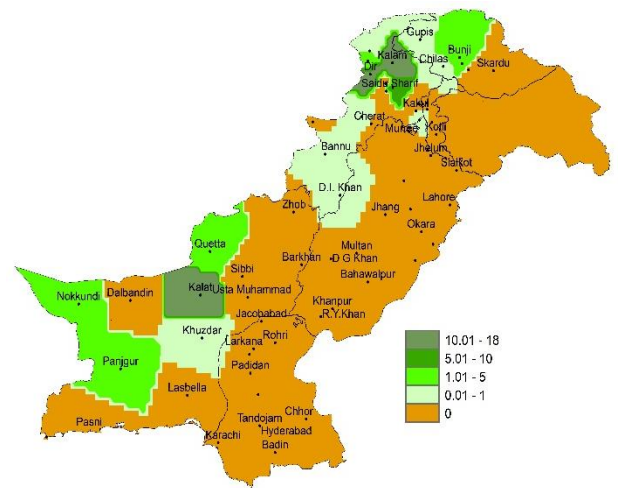


Figure 1: Rainfall.

**Highlights of Past Weather**  
**(13<sup>th</sup> – 19<sup>th</sup> May 2024)**

- Dry weather reported from most parts of the country while light rainfall observed over some of the northwestern parts of Khyber Pakhtunkhwa, Gilgit Baltistan and northwestern Balochistan .
- 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.

## **Past Weather of Provinces** **(13<sup>th</sup> – 19<sup>th</sup> May 2024)**

### **Punjab**

Dry weather was reported from Punjab Province while light rain reported from a few stations of the province. Weekly maximum and minimum temperatures recorded as 41.5°C & 24.7°C respectively. For the recent week on average 126.6 growing degree days were accumulated. Average relative humidity recorded as 36% and wind speed in the morning/evening recorded as 1.3/3.2 Knots. Highest rainfall was reported as 1.0 mm from Noorpur Thal. However, highest maximum temperature was recorded as 46.6°C at D. G. Khan.

### **Baluchistan**

Light rainfall was reported from the northern western parts of the province. Weekly maximum and minimum temperatures recorded as 34.8°C & 20.6°C respectively. For the recent week on average 88.8 growing degree days were accumulated. Average relative humidity recorded 40% and wind speed in the morning/evening recorded as 0.7/5.3 Knots. Highest rainfall was reported as 18.0 mm from Kalat. However, highest maximum temperature was recorded as 46.0°C at Sibbi.

### **Khyber Pakhtunkhwa**

Light rainfall was reported from Khyber Pakhtunkhwa. Weekly maximum and minimum temperatures recorded as 33.4°C & 17.2°C respectively. For the recent week on average 71.9 growing degree days were accumulated. Average relative humidity recorded as 47% and wind speed in the morning/evening recorded as 1.0/1.7 Knots. Highest rainfall was reported as 15.0 mm from Kalam. However, highest maximum temperature recorded as 43.0°C at D. I. Khan.

### **Sindh**

Dry weather was reported from Sindh. Weekly maximum and minimum temperatures recorded as 43.7°C & 26.9°C respectively. For the recent week, on average 142.2 growing degree days were accumulated. Average relative humidity recorded as

40% and wind speed in the morning/evening recorded as 3.2/6.1 Knots. However, highest maximum temperature recorded as 48.5°C at Shaheed Benazirabad.

### **Gilgit-Baltistan and Azad Jammu & Kashmir**

Light rainfall was reported from central-western parts of Gilgit Baltistan while dry weather prevailed in Kashmir. Weekly maximum and minimum temperatures recorded as 31°C & 14.8°C respectively. For the recent week on average 55.1 growing degree days were accumulated. Average relative humidity recorded as 38%. and wind speed recorded in the morning/evening as 0.5/3.0. Highest rainfall was reported as 2.6 mm from Gilgit. However, highest maximum temperature recorded as 38.8°C at Muzaffarabad.

**Past Weather for Major Agricultural Plains****(13<sup>th</sup> – 19<sup>th</sup> May 2024)****Rawalpindi (Potohar region)**

Dry weather reported from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 1.4/1.6 Oktas, average relative humidity observed as 39%. Mean maximum time temperature was recorded as 38.8°C and for the recent week 103.3 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.2/1.4 Knots. The highest maximum temperature was recorded as 40.6°C.

**Faisalabad (Central Punjab)**

Dry weather reported from Faisalabad during the week; however, cloudiness in the morning/evening recorded 0.0/0.6 Oktas while, average relative humidity observed as 38%. Mean maximum time temperature recorded 42.4°C & for the recent week 135.1 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/2.0 Knots. The highest maximum temperature was recorded as 44.5°C.

**Tandojam (Lower Sindh)**

Dry weather reported during the week; however, clear sky observed in the morning/evening while, average relative humidity observed as 52%. Mean maximum time temperature recorded as 42.9°C & for the recent week 134.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.4/5.7 Knots. The highest maximum temperature was recorded as 45.0°C.

**Usta Muhammad (Eastern Baluchistan)**

Dry weather reported during the week; however, cloudiness in the morning/evening recorded as 0.2/3.3. Average relative humidity observed as 38%. Mean maximum time temperature recorded as 46.5°C & for the recent week 144.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.2/3.2 Knots. The highest maximum temperature was recorded as 47.0°C.

**Quetta (Northern Baluchistan)**

Rainfall reported as 3.02 mm from Quetta during the week; however, cloudiness in the morning/evening recorded as 1.1/3.8 Oktas while, average relative humidity observed as 33%. Mean maximum time temperature recorded as 30.2°C & for the recent week 55.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.8/2.4 Knots. The highest maximum temperature was recorded as 31.5°C.

**Past Weather for Sub-Regional Agricultural Plains (13<sup>th</sup> – 19<sup>th</sup> May 2024)****Multan**

Dry weather reported during the week; however, cloudiness in the morning/evening recorded as 0.6/2.3 Oktas. Average relative humidity observed as 31%. Mean maximum time temperature recorded as 43.0°C & for the recent week 142.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.3/5.7 Knots.

**Lahore**

Dry weather reported from Lahore during the week; cloudiness in the morning/evening recorded as 0.0/1.1 Oktas, average relative humidity observed as 31%. Mean maximum time temperature recorded as 42.1°C & for the recent week 133.1 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/3.1 Knots.

**Zhob**

Dry weather reported from Zhob during the week; however, cloudiness in the morning/evening recorded as 2.6/3.4 Oktas. Average relative humidity observed as 27%. Mean maximum time temperature recorded as 42.3°C & for the recent week 136.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.1/4.1 Knots.

**Murree**

Rainfall reported as 0.01 mm (trace) from Murree during the week; however, cloudiness in the morning/evening recorded as 0.7/2.1 Oktas while, average relative humidity observed as 46%. Mean maximum time temperature recorded as 25.3°C & for the recent week 34.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/0.9 Knots.

**D.I. Khan**

Rainfall reported as 0.01 mm (trace) from D.I. Khan during the week; cloudiness in the morning/evening recorded as 1.4/1.9. Average relative humidity observed as 42%. Mean maximum time temperature recorded as 41.9°C & for the recent week 136.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.9/0.9 Knots.

**Peshawar**

Rainfall reported as 0.01 mm (trace) from Peshawar during the week; however, cloudiness in the morning/evening recorded as 1.9/5.1 Oktas while,

average relative humidity observed as 47%. Mean maximum time temperature was recorded as 38.3°C & for the recent week 106.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/2.3 Knots.

#### **Kalam**

Rainfall reported as 15.0 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 1.7/3.6 Oktas while, average relative humidity observed as 27%. Mean maximum time temperature recorded as 25.6°C & for the recent week 8.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/4.1 Knots.

#### **Gilgit**

Rainfall reported as 2.60 mm from Gilgit during the week, cloudiness in the morning/evening recorded as 2.3/3.6 Oktas while, average relative humidity observed as 43%. Mean maximum time temperature recorded as 32.0°C & for the recent week 53.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.6/4.3 Knots.

#### **Skardu**

Dry weather reported from Skardu during the week; however, cloudiness in the morning/evening recorded as 1.6/3.6 Oktas while, average relative humidity observed as 27%. Mean maximum time temperature recorded as 26.7°C & for the recent week 27.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.9/4.1 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. Date of sowing 23-04-2024. Phonological Stage: Third leaf completed. Condition: *Very Good*.

#### **Lower Sindh (Tandojam)**

Cotton crop is in the fields. Date of sowing 14-05-2024. Phonological Stage: Germination. Condition: *Very Good*.

#### **Northern Baluchistan (Quetta)**

Wheat crop is sown in the fields of RAMC Quetta. Date of sowing 22-11-2023. Phonological Stage: Milk 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 (13<sup>th</sup> – 19<sup>th</sup> May 2024)

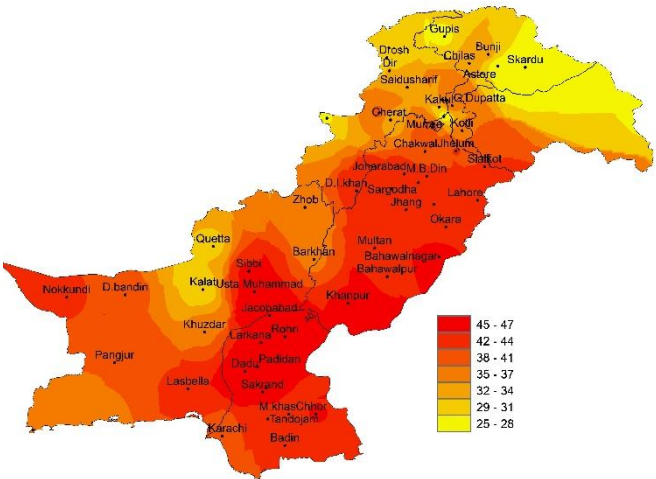


Figure 2: Actual Maximum temperature.

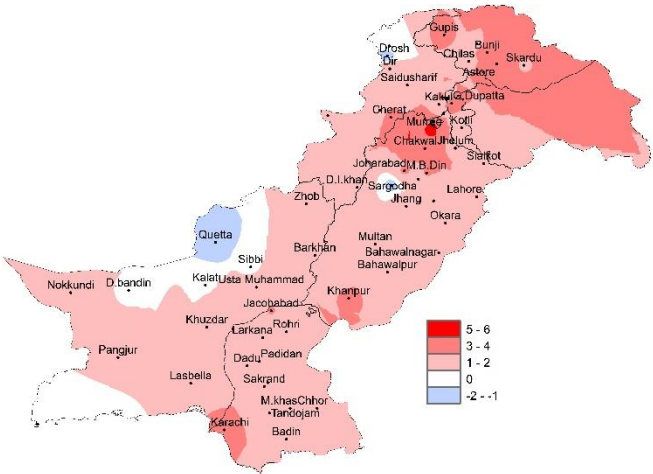


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (13<sup>th</sup> – 19<sup>th</sup> May 2024)

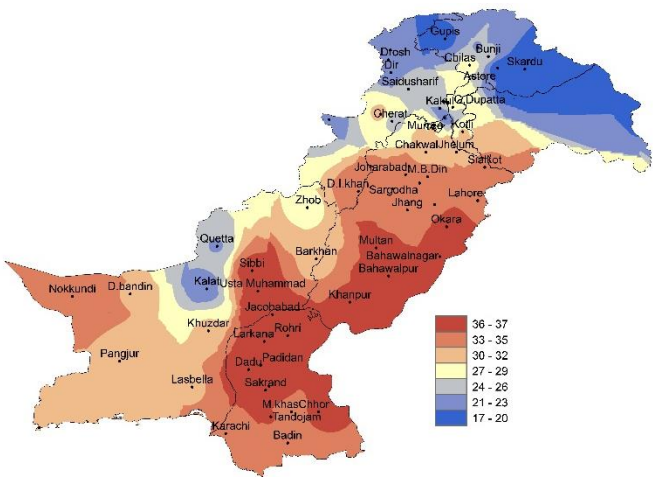


Figure 5: Actual Mean temperature.

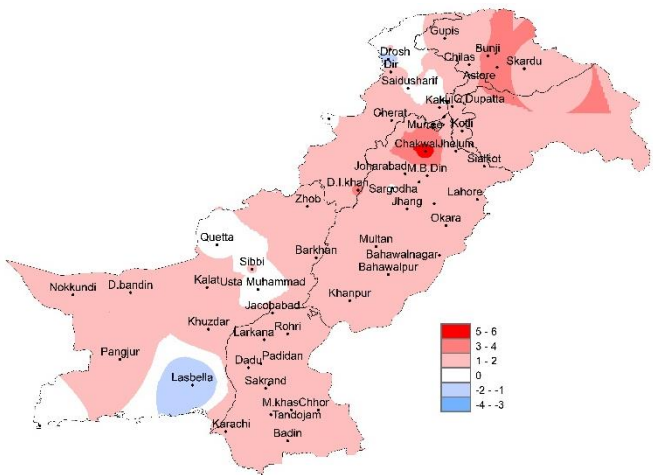


Figure 4: Departure of Mean temperature.

**Actual Minimum temperature (°C) during the**

**Previous week (13<sup>th</sup> – 19<sup>th</sup> May 2024)**

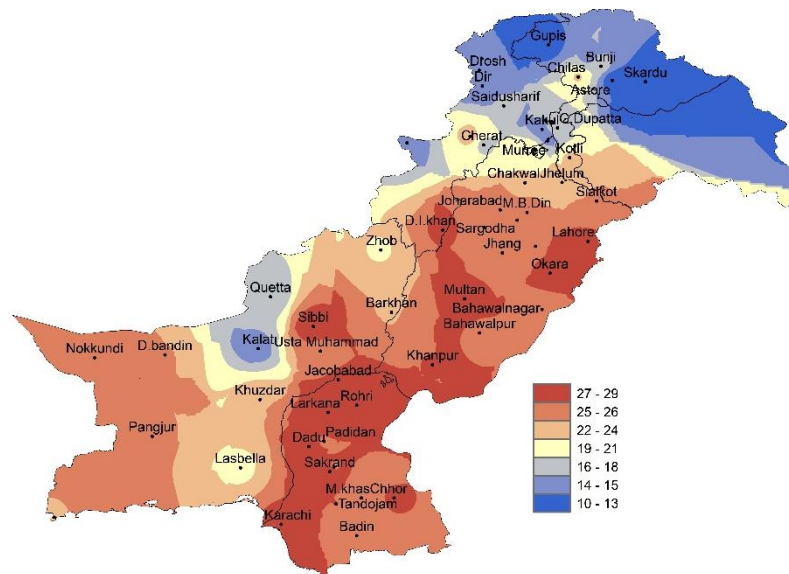


Figure 6: Actual Minimum temperature.

### Departure of Minimum temperature (°C) during the

**Previous week (13<sup>th</sup> – 19<sup>th</sup> May 2024)**

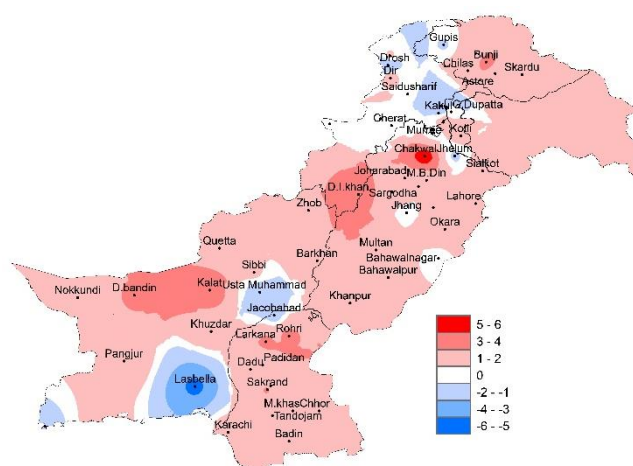


Figure 7: Departure of Minimum temperature.

Mean Relative Humidity (%) during the  
Previous week (13<sup>th</sup> – 19<sup>th</sup> May 2024)

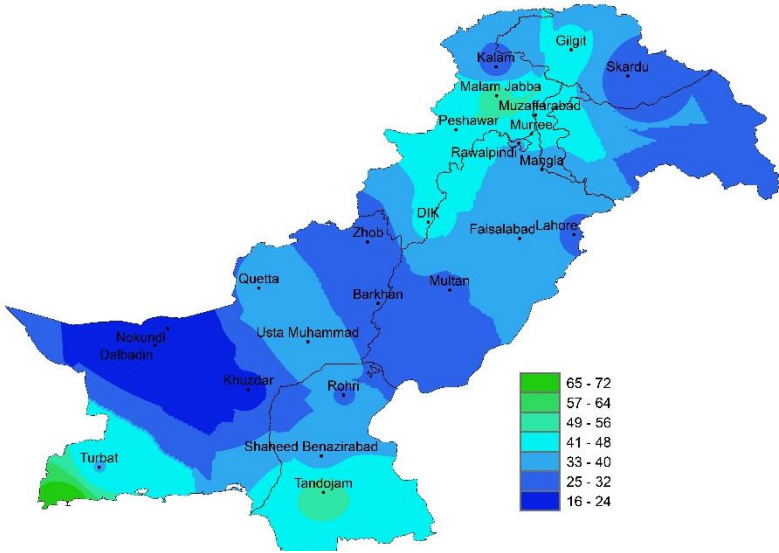


Figure 8: Relative Humidity

Total Growing Degree Days accumulated during the  
Previous week (13<sup>th</sup> – 19<sup>th</sup> May 2024)

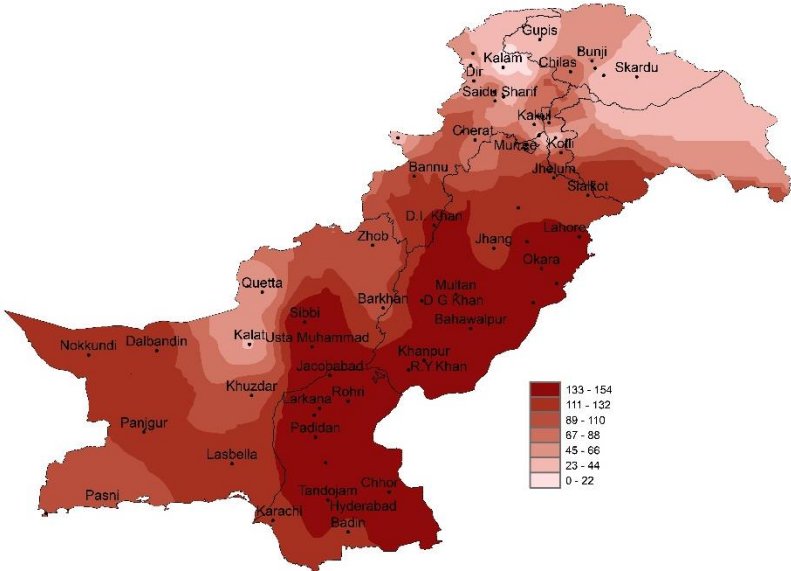


Figure 9: Growing Degree Days



Mean Cloudiness (Octas) at 0800PST during the  
Previous week (13<sup>th</sup> – 19<sup>th</sup> May 2024)

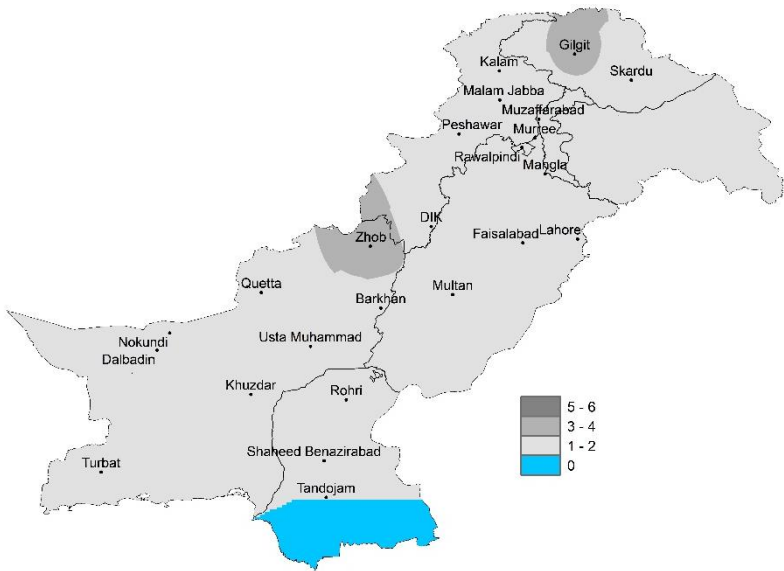


Figure 10: Mean Cloudiness at 0800

Mean Cloudiness (Octas) at 1700PST during the  
Previous week (13<sup>th</sup> – 19<sup>th</sup> May 2024)

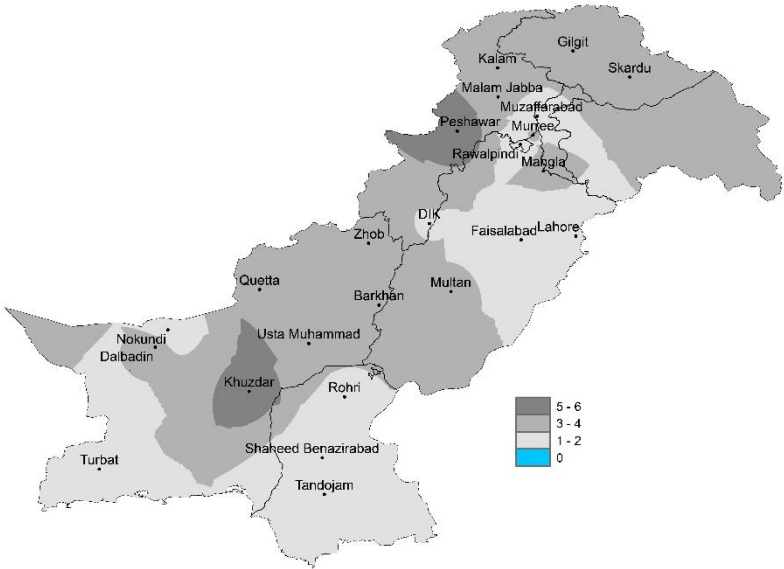


Figure 11: Mean Cloudiness at 1700



**Mean Wind Speed (Knots) at 0800PST during the  
Previous week (13<sup>th</sup> – 19<sup>th</sup> May 2024)**

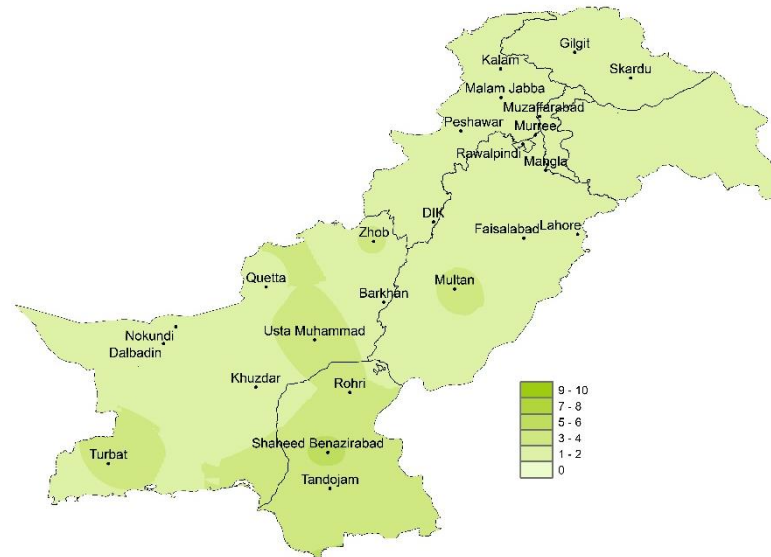


Figure 12: Mean Wind Speed 0300

**Mean Wind Speed (Knots) at 1700PST during the  
Previous week (13<sup>th</sup> – 19<sup>th</sup> May 2024)**

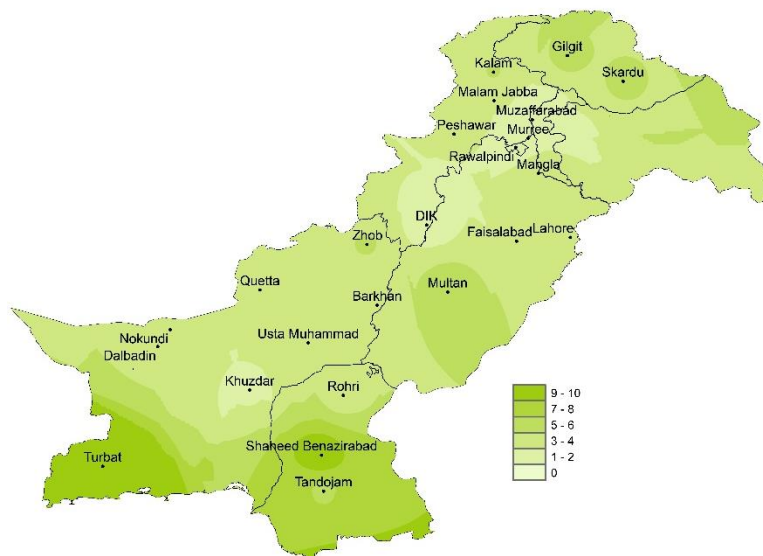
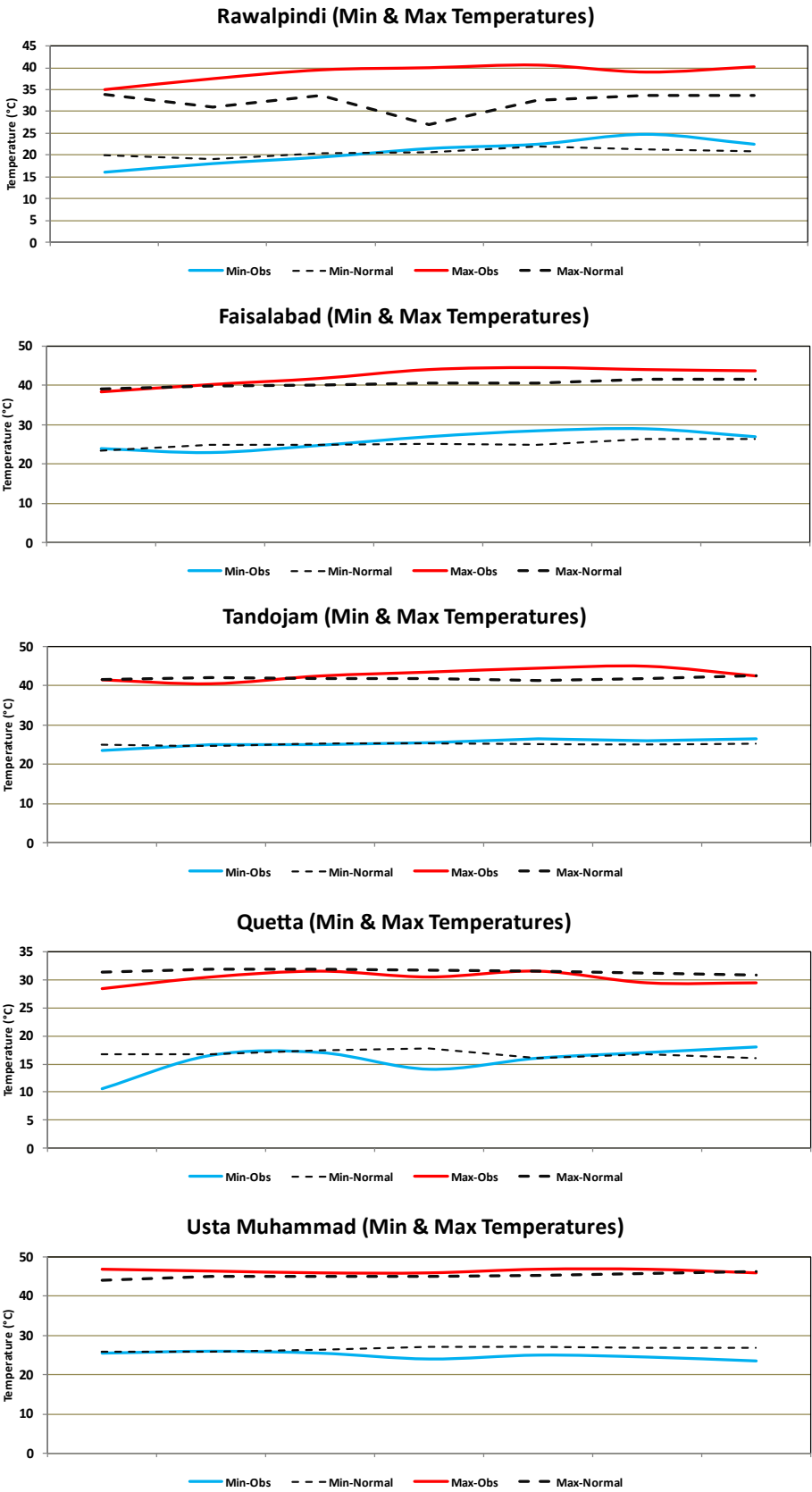


Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal)  
during the previous week (13<sup>th</sup> – 19<sup>th</sup> May 2024)



**Weekly Weather Advisory for Farmers (20<sup>th</sup> – 26<sup>th</sup> May 2024)**

Continental air is prevailing over most parts of the country. A high pressure in the upper atmosphere is likely to develop over most parts of the country, which may cause heatwave like condition especially over Punjab and Sindh from 21st May and likely to convert to severe heatwave conditions from 23rd to 27th May.

**MONDAY****20-05-2024**

Mainly hot and dry weather is expected in most parts of the country, while very hot weather with windstorm-dust raising winds is likely in central and southern parts. However, partly cloudy weather with rain-windstorm/thunderstorm is expected at isolated places in upper Khyber-Pakhtunkhwa, Gilgit-Baltistan and Kashmir during evening/night.

**TUESDAY****21-05-2024**

Mainly hot and dry weather is expected in most parts of the country, while very hot weather is likely in central and southern parts.

**WEDNESDAY****22-05-2024**

Mainly hot and dry weather is expected in most parts of the country, while very hot in southern/central parts. Heat wave condition is likely in most parts of the country. However, partly cloudy weather is likely in Gilgit-Baltistan and upper Khyber Pakhtunkhwa.

**THURSDAY****23-05-2024**

Mainly hot and dry weather is expected in most parts of the country, while very hot in southern/central parts. Severe heat wave condition is likely in most parts of the country. However, partly cloudy weather is likely in Gilgit-Baltistan and upper Khyber Pakhtunkhwa.

**FRIDAY****24-05-2024**

Mainly hot and dry weather is expected in most parts of the country, while very hot in southern/central parts. Severe heat wave condition is likely in most parts of the country. However, isolated rain-thunderstorm is likely in Gilgit Baltistan, Chitral and Swat.

**SATURDAY****25-05-2024**

Mainly hot and dry weather is expected in most parts of the country, while very hot in southern/central parts. Severe heat wave condition is likely in most parts of the country. However, partly cloudy weather is likely in Gilgit-Baltistan and upper Khyber Pakhtunkhwa.

**SUNDAY****26-05-2024**

Mainly hot and dry weather is expected in most parts of the country, while very hot in southern/central parts. Severe heat wave condition is likely in most parts of the country. However, partly cloudy weather is likely 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 (13<sup>th</sup> – 19<sup>th</sup> May 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	41.9	43.0	136.0	41.9	0.0	1.4	1.9	0.9	0.9
Faisalabad	42.4	44.5	135.1	37.5	0.0	0.0	0.6	1.1	2.0
Gawadar	34.6	37.0	103.0	71.7	0.0	0.4	0.0	0.0	10.0
Gilgit	32.0	35.5	53.8	42.6	2.6	2.3	3.6	0.6	4.3
Kalam	25.6	28.0	8.8	26.6	15.0	1.7	3.6	0.0	4.1
Lahore	42.1	44.0	133.1	31.2	0.0	0.0	1.1	0.3	3.1
Malam Jabba	22.7	24.0	20.3	53.5	9.0	0.9	2.7	1.4	2.3
Mangla	40.5	43.0	117.2	34.1	0.0	1.0	2.3	0.6	3.7
Multan (PBO)	43.0	44.5	142.4	31.1	0.0	0.6	2.3	2.3	5.7
Murree	25.3	27.5	34.4	45.5	0.0	0.7	2.1	1.4	0.9
Muzaffarabad	36.0	38.8	85.3	47.0	0.0	0.4	1.1	0.0	0.0
Sh. Ben. Abad	45.3	48.5	145.2	36.6	0.0	0.0	0.3	4.3	9.4
Peshawar	38.3	40.0	106.7	46.6	0.0	1.9	5.1	1.7	2.3
Quetta	30.2	31.5	55.3	33.0	3.0	1.1	3.8	1.8	2.4
Rawalpindi	38.8	40.6	103.3	39.0	0.0	1.4	1.6	0.2	1.4
Rohri	45.2	46.5	154.5	31.8	0.0	1.0	1.1	2.0	3.1
Skardu	26.7	29.0	27.4	26.6	0.0	1.6	3.6	0.9	4.1
Tandojam	42.9	45.0	134.0	52.0	0.0	0.0	0.0	3.4	5.7
U.Muhammad	46.5	47.0	144.8	38.3	0.0	0.2	3.3	3.2	3.2
Zhob	42.3	45.0	136.3	26.6	0.0	2.6	3.4	2.1	4.1

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