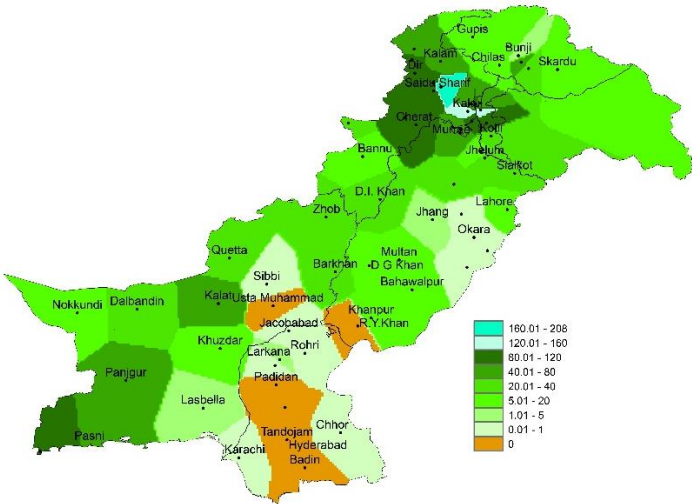


# Weekly Weather and Crop Bulletin for Pakistan

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Rainfall Distribution (mm) during the Previous Week (15<sup>th</sup> – 21<sup>st</sup> April 2024)



## Highlights of Past Weather (15<sup>th</sup> – 21<sup>st</sup> April 2024)

- Moderate to heavy rains were reported from most parts of the country during the past week. While light rainfall was reported from some scattered parts of Sindh Province.
- Daily maximum temperatures were observed below normal in most parts of the country.
- Daily minimum temperatures were observed below normal in most parts of the country except Sindh and GB where normal to above normal minimum temperatures were recorded.
- Also below normal mean daily temperatures were observed in most parts of the country.

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## **Past Weather of Provinces** **(15<sup>th</sup> – 21<sup>st</sup> April 2024)**

### **Punjab**

Light to moderate rainfall was reported from Punjab Province. Weekly maximum and minimum temperatures were recorded as 31.2°C & 18.0°C respectively. For the recent week on average 137.1 growing degree days were accumulated. Average relative humidity was recorded as 59% and wind speed in the morning/evening was recorded as 1.9/4.3 Knots. The highest rainfall was reported as 95.5 mm from Murree. However, the lowest minimum temperature was recorded as 6.0°C at Murree.

### **Baluchistan**

Light to moderate rainfall was reported from the northern parts of the province. Weekly maximum and minimum temperatures were recorded as 22.6°C & 11.7°C respectively. For the recent week on average 85.0 growing degree days were accumulated. Average relative humidity was recorded 85% and wind speed in the morning/evening was recorded as 1.3/4.5 Knots. The highest rainfall was reported as 95.7 mm from Gawadar. However, the lowest minimum temperature was recorded as 5.0°C at Kalat.

### **Khyber Pakhtunkhwa**

Moderate to heavy rainfall was reported from Khyber Pakhtunkhwa. Weekly maximum and minimum temperatures were recorded as 20.3°C & 10.3°C respectively. For the recent week on average 72.1 growing degree days were accumulated. Average relative humidity was recorded as 76% and wind speed in the morning/evening was recorded as 0.5/2.1 Knots. The highest rainfall was reported as 207.0 mm from Malam Jabba. However, the lowest minimum temperature was recorded as -3.5°C at Kalam.

### **Sindh**

Light rainfall was reported from Some parts of Sindh Province. Weekly maximum and minimum temperatures were recorded as 35.7°C & 22.7°C

respectively. For the recent week, on average 169.3 growing degree days were accumulated. Average relative humidity was recorded as 53% and wind speed in the morning/evening was recorded as 2.2/5.7 Knots. The highest rainfall was reported as 1.01 mm from Larkana. However, the lowest minimum temperature was recorded as 19.5°C at Moinjo Daro.

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

Moderate to heavy rainfall was reported from Kashmir But light to moderate rainfall was reported in Gilgit Baltistan. Weekly maximum and minimum temperatures were recorded as 21.2°C & 9.7°C respectively. For the recent week on average 74.1 growing degree days were accumulated. Average relative humidity was recorded as 61%. and wind speed was recorded in the morning/evening as 0.4/2.5. The highest rainfall was reported as 124.5 mm from Garhi Dopatta. However, the lowest minimum temperature recorded was 3.3°C at Skardu.

**Past Weather for Major Agricultural Plains****(15<sup>th</sup> – 21<sup>st</sup> April 2024)****Rawalpindi (Potohar region)**

Rainfall was reported as 45.7 mm from Rawalpindi during the week; however, cloudiness in the morning/evening was recorded as 4.6/5.1 Oktas, and average relative humidity was observed as 71%. Mean minimum time temperature was recorded as 13.3°C and for the recent week, 106.7 growing degree days were accumulated. The wind speed recorded in the morning/evening as 0.9/1.1 Knots. The lowest minimum temperature was recorded as 10.5°C.

**Faisalabad (Central Punjab)**

Rainfall was reported as 0.01 (trace) mm from Faisalabad during the week; however, cloudiness in the morning/evening was recorded 1.7/3.0 Oktas while average relative humidity was observed as 57%. The mean minimum time temperature was recorded 19.0°C & for the recent week 145.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.5/1.6 Knots. The lowest minimum temperature was recorded as 17.5°C.

**Tandojam (Lower Sindh)**

Dry weather was reported during the week; however, cloudiness in the morning/evening was recorded 3.4/3.7 Oktas while average relative humidity was observed as 59%. The mean minimum time temperature was recorded as 21.1°C & for the recent week 161.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.9/1.8 Knots. The lowest minimum temperature was recorded as 19.5°C.

**Usta Muhammad (Eastern Baluchistan)**

Dry weather was reported during the week; however, cloudiness in the morning/evening was recorded as 1.7/2.1. Average relative humidity was observed as 38%. The mean minimum time temperature was recorded as 19.3°C & for the recent week 156.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/1.7 Knots. The lowest minimum temperature was recorded as 17.0°C.

**Quetta (Northern Baluchistan)**

Rainfall was reported as 35.4 mm from Quetta during the week; however, cloudiness in the morning/evening was recorded as 4.5/5.2 Oktas while average relative humidity was observed as

64%. Mean minimum time temperature recorded as 8.1°C & for the recent week 55.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.2/3.3 Knots. The lowest minimum temperature was recorded as 6.5°C.

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**Past Weather for Sub-Regional Agricultural Plains (15<sup>th</sup> – 21<sup>st</sup> April 2024)****Multan**

Rainfall was reported as 17.6 mm during the week; however, cloudiness in the morning/evening was recorded as 2.7/3.9 Oktas. Average relative humidity was observed as 56%. The mean minimum time temperature was recorded as 19.3°C & for the recent week 144.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/4.3 Knots.

**Lahore**

Rainfall was reported as 7.21 mm from Lahore during the week; cloudiness in the morning/evening was recorded as 2.3/4.7 Oktas, and average relative humidity was observed as 48%. The mean minimum time temperature was recorded as 20.0°C & for the recent week 150.6 growing degree days accumulated. The wind speed recorded in the morning/evening as 1.4/5.1 Knots.

**Zhob**

Rainfall was reported as 0.03 mm from Zhob during the week; however, cloudiness in the morning/evening was recorded as 4.3/5.3 Oktas. Average relative humidity was observed as 62%. The mean minimum time temperature was recorded as 22.0°C & for the recent week 150.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.3/3.3 Knots.

**Murree**

Rainfall was reported as 95.51 mm from Murree during the week; however, cloudiness in the morning/evening was recorded as 4.6/6.1 Oktas while average relative humidity was observed as 75%. The mean minimum time temperature was recorded as 7.4°C & for the recent week 45.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.3/3.4 Knots.

**D.I. Khan**

Rainfall was reported as 33.01 mm from D.I. Khan during the week; cloudiness in the morning/evening

was recorded as 3.3/4.6. Average relative humidity was observed as 71%. The mean minimum time temperature was recorded as 18.4°C & for the recent week 131.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/0.3 Knots.

### **Peshawar**

Rainfall was reported as 102.0 mm from Peshawar during the week; however, cloudiness in the morning/evening was recorded as 4.7/5.7 Oktas while average relative humidity was observed as 74%. The mean minimum time temperature was recorded as 15.6°C & for the recent week 108.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/3.4 Knots.

### **Kalam**

Rainfall was reported as 62.8 mm from Kalam during the week; however, cloudiness in the morning/evening was recorded as 6.0/5.0 Oktas while average relative humidity was observed as 46%. The mean minimum time temperature was recorded as 0.5°C & for the recent week 15.1 growing degree days accumulated. The wind speed recorded in the morning/evening as 0.0/1.3 Knots.

### **Gilgit**

Rainfall was reported as 12.02 mm from Gilgit during the week, cloudiness in the morning/evening was recorded as 6.0/6.0 Oktas while average relative humidity was observed as 54%. The mean minimum time temperature was recorded as 11.4°C & for the recent week 88.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/3.7 Knots.

### **Skardu**

Rainfall was reported as 6.0 mm from Skardu during the week; however, cloudiness in the morning/evening was recorded as 5.1/6.7 Oktas while average relative humidity was observed as 46%. The mean minimum time temperature was recorded as 6.9°C & for the recent week 54.2 growing degree days accumulated. The wind speed recorded in the morning/evening as 0.0/1.3 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)**

Wheat crop is sown in the fields. Date of sowing 21-11-2023. Phonological Stage: Full Maturity Completed. Condition: Very Good.

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

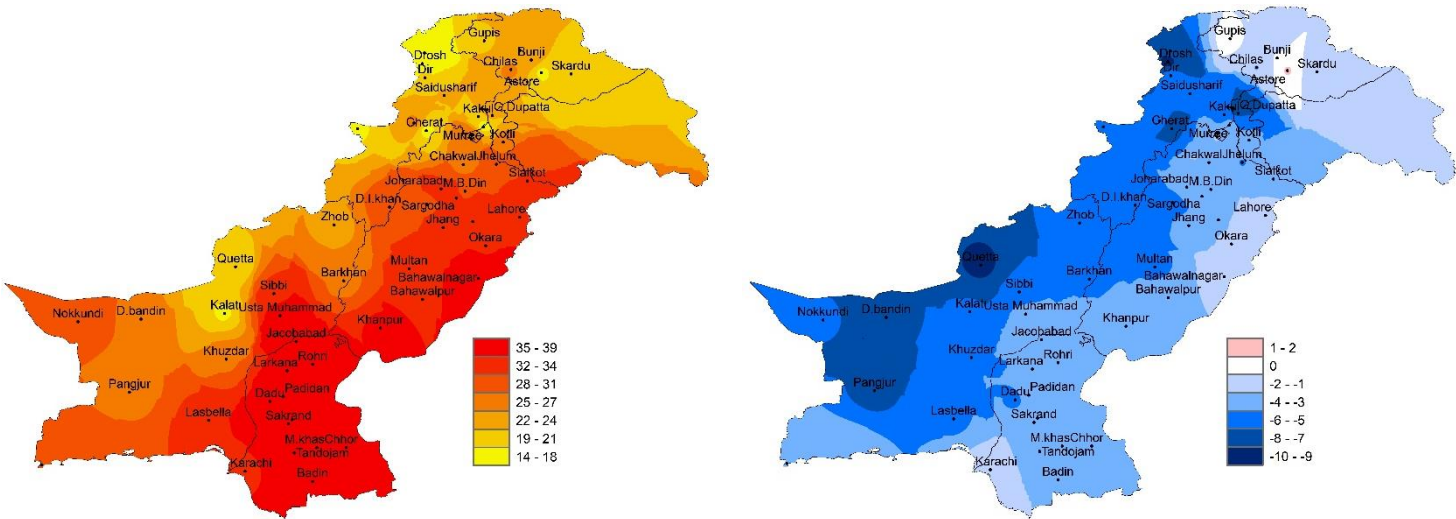
Wheat crop is sown in the fields. Stage: Land is preparing for new crop.

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

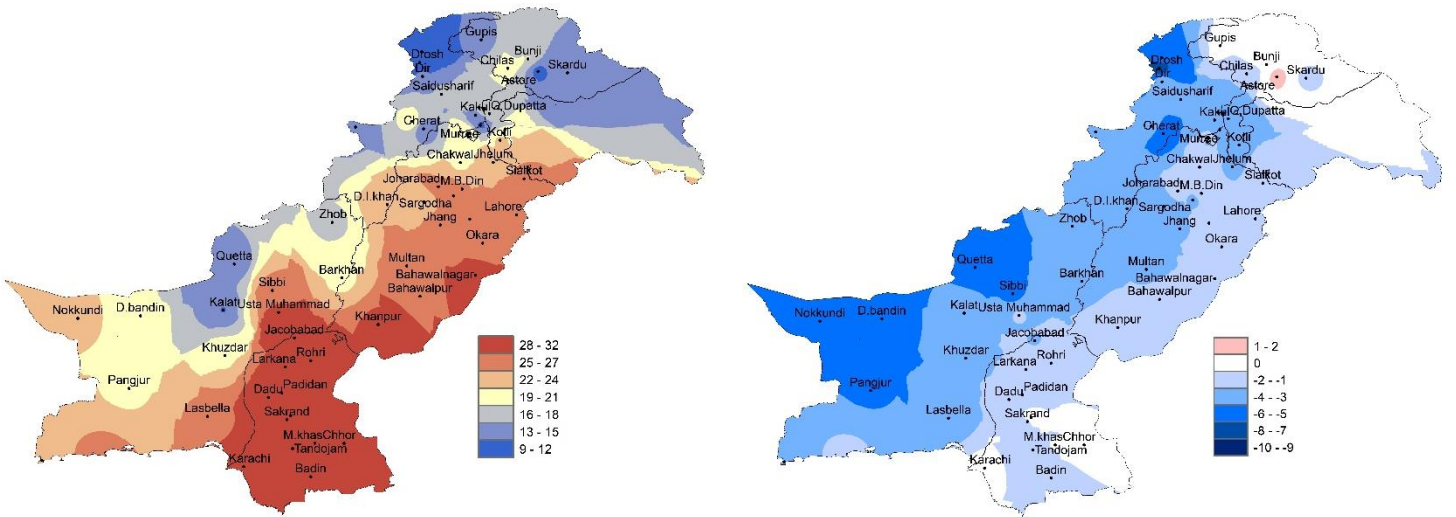
Wheat crop is sown in the fields of RAMC Quetta. Date of sowing 22-11-2023. Phonological Stage: Heading. Condition: Very Good

**Eastern Baluchistan (Usta Muhammad)** Wheat crops are grown in the fields. Phonological Stage: Harvesting Threshing. Condition: Good.

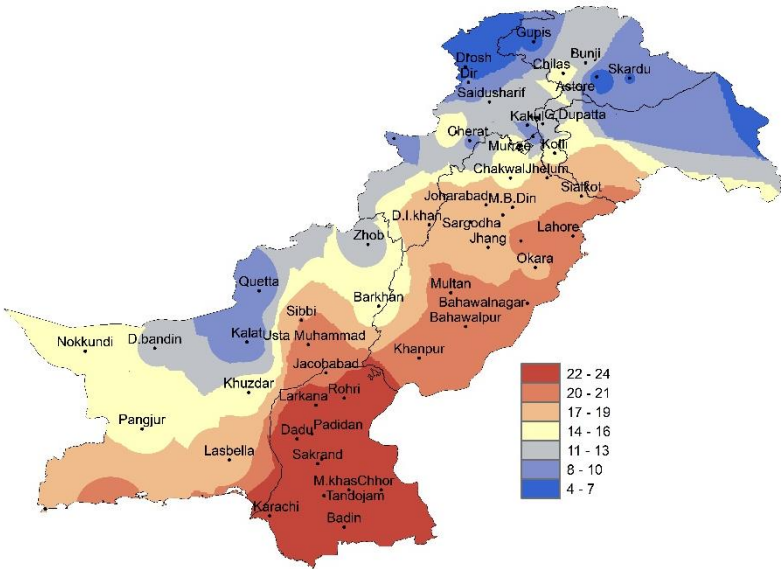
Actual & Departure of Maximum temperature (°C) for the Previous week (15<sup>th</sup> – 21<sup>st</sup> April 2024)



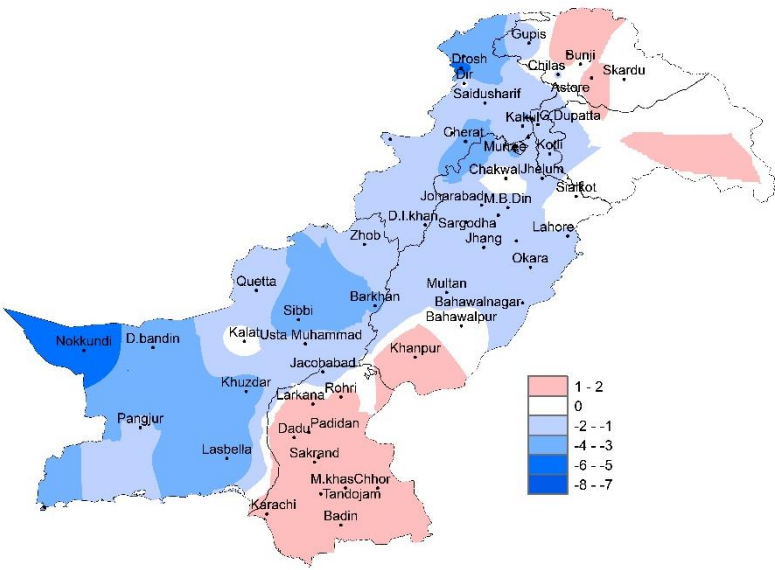
Actual & Departure of Mean temperature (°C) for the Previous week (15<sup>th</sup> – 21<sup>st</sup> April 2024)



Actual Minimum temperature (°C) during the  
Previous week (15<sup>th</sup> – 21<sup>st</sup> April 2024)

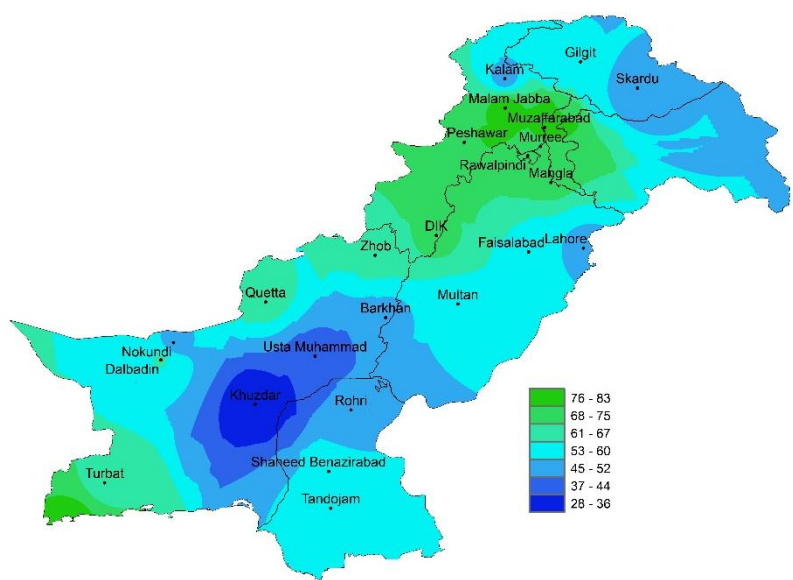


Departure of Minimum temperature (°C) during the  
Previous week (15<sup>th</sup> – 21<sup>st</sup> April 2024)

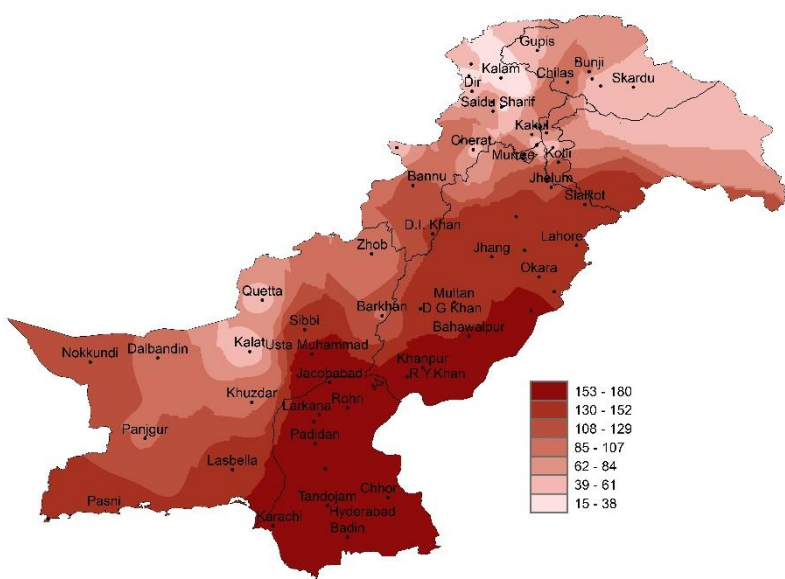




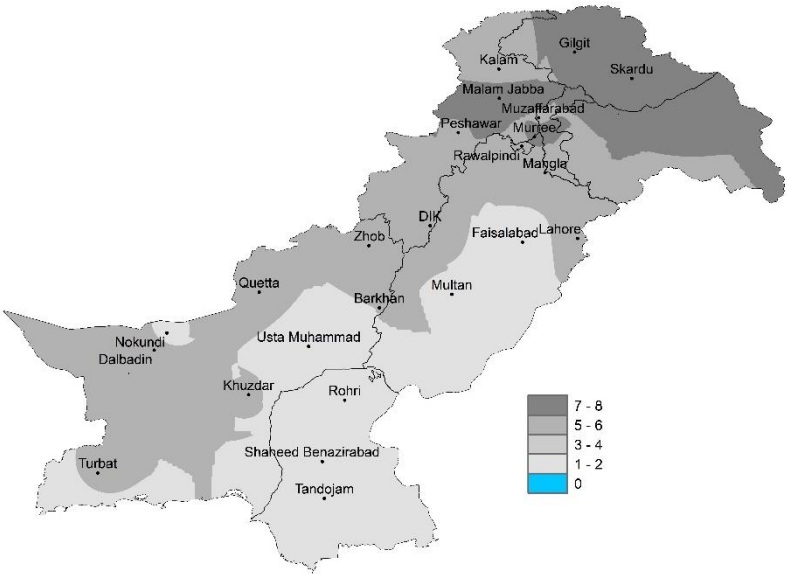
Mean Relative Humidity (%) during the  
Previous week (15<sup>th</sup> – 21<sup>st</sup> April 2024)



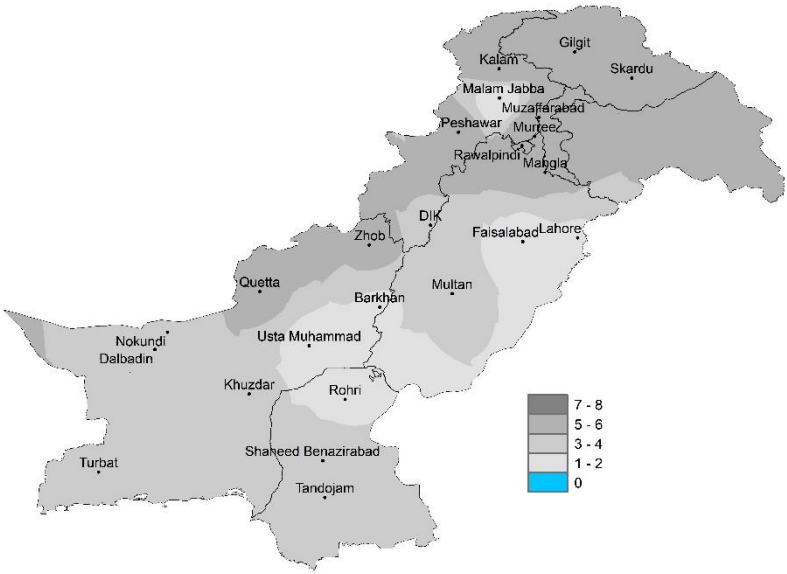
Total Growing Degree Days accumulated during the  
Previous week (15<sup>th</sup> – 21<sup>st</sup> April 2024)



Mean Cloudiness (Octas) at 0800PST during the  
Previous week (15<sup>th</sup> – 21<sup>st</sup> April 2024)

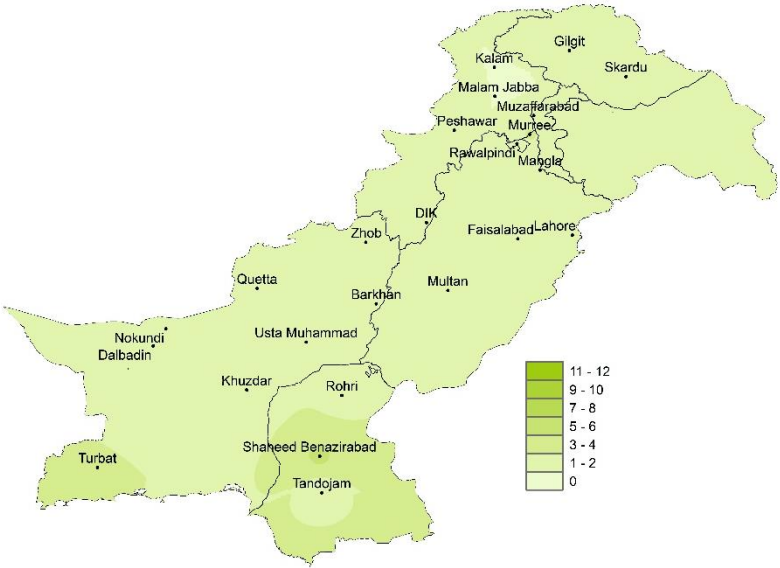


Mean Cloudiness (Octas) at 1700PST during the  
Previous week (15<sup>th</sup> – 21<sup>st</sup> April 2024)

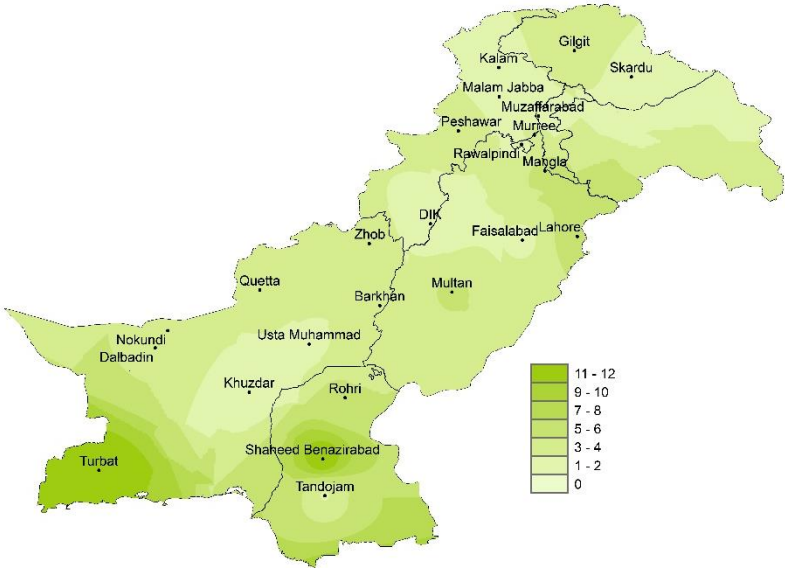




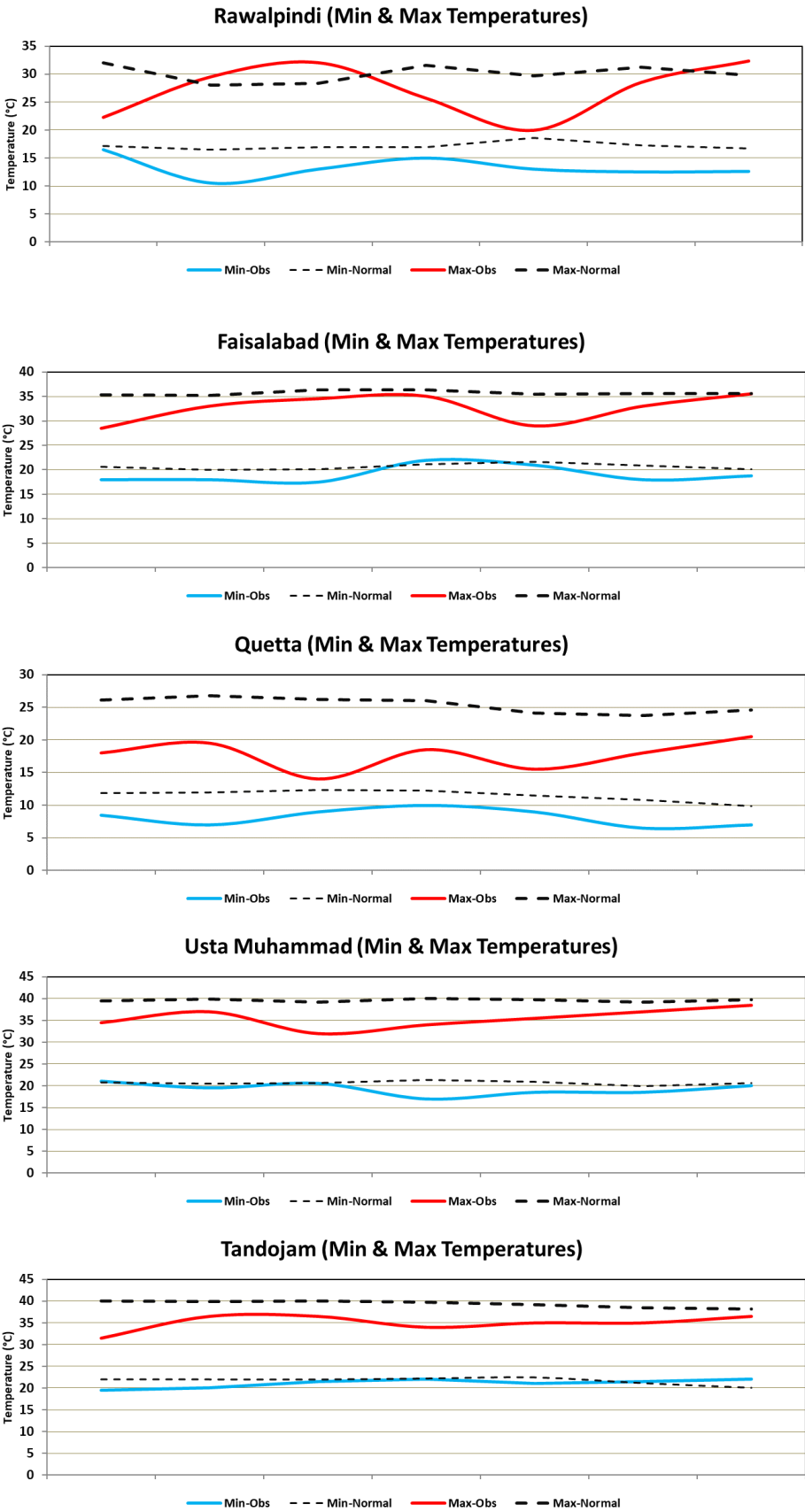
Mean Wind Speed (Knots) at 0800PST during the  
Previous week (15<sup>th</sup> – 21<sup>st</sup> April 2024)



Mean Wind Speed (Knots) at 1700PST during the  
Previous week (15<sup>th</sup> – 21<sup>st</sup> April 2024)



Comparison of temperatures for RAMCs (Minimum & Maximum with normal)  
during the previous week (15<sup>th</sup> – 21<sup>st</sup> April 2024)



**Weekly Weather Advisory for Farmers****(22<sup>nd</sup> – 28<sup>th</sup> April 2024)**

A shallow westerly wave is affecting the upper parts. Another westerly wave is likely to approach western parts of the country on the 24<sup>th</sup> night.

**MONDAY****22-04-2024**

Mainly dry weather is expected in most parts of the country while hot in the southern parts. However, rain-wind/thunderstorms are likely in upper Khyber-Pakhtunkhwa, Kashmir, Gilgit-Baltistan, and adjoining hilly areas.

**TUESDAY****23-04-2024**

Mainly dry weather is expected in most parts of the country while hot in the southern parts. However, rain-wind/thunderstorms are likely in upper Khyber-Pakhtunkhwa, Kashmir, Gilgit-Baltistan and adjoining hilly areas.

**WEDNESDAY****24-04-2024**

Mainly hot and dry weather is expected in most parts of the country while partly cloudy in northern areas. However, rain-wind/thunderstorm is likely in western Balochistan.

**THURSDAY****25-04-2024**

Rain-wind/thunderstorms are likely in Balochistan, south Khyber-Pakhtunkhwa, and south Punjab. Dust/thunderstorm-light rain is expected in upper Sindh. Hot and dry weather is expected in other parts of the country.

**FRIDAY****26-04-2024**

Rain-wind/thunderstorm (Isolated heavy falls) is expected in Khyber-Pakhtunkhwa, Islamabad, Punjab, Balochistan, Gilgit-Baltistan, and Kashmir. Isolated hailstorms are also likely during this period. Snowfall is also likely over high mountains in northern areas. Dust/thunderstorm-light rain is expected in upper Sindh.

**SATURDAY****27-04-2024**

Rain-wind/thunderstorm (Isolated heavy falls) is expected in Khyber-Pakhtunkhwa, Islamabad, Punjab, Balochistan, Gilgit-Baltistan, and Kashmir. Isolated hailstorms are also likely during this period. Snowfall is also likely over high mountains in northern areas.

**SUNDAY****28-04-2024**

Rain-wind/thunderstorm (Isolated heavy falls) is expected in Khyber-Pakhtunkhwa, Islamabad, Punjab, Gilgit-Baltistan and Kashmir. Isolated hailstorms are also likely during this period. Snowfall is also likely over high mountains in northern areas.

**ADVISORY FOR FARMERS**

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

**National Weather Data of Selected Cities from (15<sup>th</sup> – 21<sup>st</sup> April 2024)**

Stations	Minimum/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	Lowest							
D.I. Khan	18.4	17.5	131.8	70.5	33.0	3.3	4.6	0.3	0.3
Faisalabad	19.0	17.5	145.9	56.5	0.0	1.7	3.0	0.5	1.6
Gawadar	21.4	21.0	143.0	79.8	95.7	2.9	2.9	2.6	10.3
Gilgit	11.4	8.0	88.0	54.4	12.0	6.0	6.0	0.3	3.7
Kalam	0.5	-3.5	15.1	45.7	62.8	6.0	5.0	0.0	1.3
Lahore	20.0	17.6	150.6	47.9	7.2	2.3	4.7	1.4	5.1
Malam Jabba	4.9	3.5	22.5	83.3	207.0	*	6.7	*	1.3
Mangla	16.9	14.2	128.3	67.9	13.9	4.2	4.9	1.3	4.9
Multan (PBO)	19.3	17.6	144.0	55.5	17.6	2.7	3.9	2.0	4.3
Murree	7.4	6.0	45.3	74.8	95.5	4.6	6.1	2.3	3.4
Muzaffarabad	12.8	12.2	86.0	77.2	91.6	5.0	5.7	0.0	0.0
Sh. Ben. Abad	22.3	20.5	173.8	52.8	0.0	3.6	3.7	4.3	11.1
Peshawar	15.6	14.0	108.4	74.4	102.0	4.7	5.7	1.1	3.4
Quetta	8.1	6.5	55.5	64.2	35.4	4.5	5.2	1.2	3.3
Rawalpindi	13.3	10.5	106.7	71.0	45.7	4.6	5.1	0.9	1.1
Rohri	22.9	22.0	166.5	47.5	0.0	1.9	2.4	1.4	4.0
Skardu	6.9	3.3	54.2	45.7	6.0	5.1	6.7	0.0	1.3
Tandojam	21.1	19.5	161.3	58.5	0.0	3.4	3.7	0.9	1.8
U.Muhammad	19.3	17.0	156.8	38.0	0.0	1.7	2.1	0.0	1.7
Zhob	22.0	21.0	150.8	62.3	25.7	4.3	5.3	1.3	3.3

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