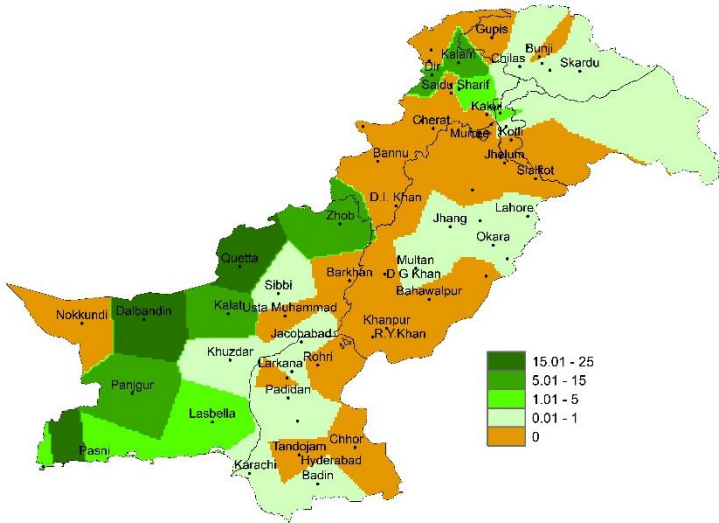


# Weekly Weather and Crop Bulletin for Pakistan

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Rainfall Distribution (mm) during the Previous Week (04<sup>th</sup> – 11<sup>th</sup> March 2024)



## Highlights of Past Weather (04<sup>th</sup> – 10<sup>th</sup> March 2024)

- Light to moderate amount of rainfall was observed in Baluchistan.
- Light rainfall was reported from some areas of Punjab, upper KP, Sindh, Gilgit-Baltistan, and Kashmir.
- While dry weather was reported from lower KP and most parts of Punjab.
- Daily temperatures were observed below normal all over 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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**Editor-in-Chief:** Asma Jawad Hashmi (Director)  
**Editor:** Dr. Tariq Mahmood (Meteorologist)

## **Past Weather of Provinces** **(04<sup>th</sup> – 10<sup>th</sup> March 2024)**

### **Punjab**

Mostly dry weather was reported from Punjab except few stations where light amount of rain was reported. Weekly maximum and minimum temperatures recorded as 23.7°C & 8.2°C respectively. For the recent week on average 76.9 growing degree days were accumulated. Average relative humidity recorded as 55% and wind speed in the morning/evening recorded as 1.2/2.0 Knots. Highest rainfall was reported as 4.2 mm from Joharabad. However, lowest minimum temperature was recorded as -3.0°C at Murree.

### **Baluchistan**

Light to moderate rainfall was reported from the province. Weekly maximum and minimum temperatures recorded as 20.7°C & 6.7°C respectively. For the recent week on average 60.9 growing degree days were accumulated. Average relative humidity recorded 56% and wind speed in the morning/evening recorded as 1.7/2.9 Knots. Highest rainfall was reported as 24.0 mm from Dalbadin. However, lowest minimum temperature was recorded as -6.0°C at Kalat.

### **Khyber Pakhtunkhwa**

Light rainfall was reported from the upper half of Khyber Pakhtunkhwa. Weekly maximum and minimum temperatures were recorded as 17.1°C & 3.1°C respectively. For the recent week on average 37.2 growing degree days were accumulated. Average relative humidity was recorded as 62% and wind speed in the morning/evening was recorded as 0.9/1.17 Knots. The highest rainfall was reported as 7.0 mm from Kalam. However, the lowest minimum temperature recorded as -12.5 °C at Kalam.

### **Sindh**

Light rainfall was reported from Sindh. Weekly maximum and minimum temperatures were recorded as 27.6°C & 11.1°C respectively. For the recent week, on average 100.4 growing degree days were accumulated. Average relative humidity

recorded as 49% and wind speed in the morning/evening recorded as 1.2/3.3 Knots. Highest rainfall was reported as 0.02 mm in Jacobabad during the last week. During the previous week the lowest minimum temperature recorded as 2.0°C at Moin – jo – Daro.

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

Light rainfall was reported from Gilgit Baltistan and Kashmir. Weekly maximum and minimum temperatures recorded as 14.1°C & 1.8°C respectively. For the recent week on average 26.7 growing degree days were accumulated. Average relative humidity recorded as 56%. and wind speed recorded in the morning/evening as 0.2/1.1. Highest rainfall was reported as 2.0 mm from Garhi Dopatta. However, lowest minimum temperature recorded as -5.5°C at Astore.

**Past Weather for Major Agricultural Plains****(04<sup>th</sup> – 10<sup>th</sup> March 2024)****Rawalpindi (Potohar region)**

Dry weather reported from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 1.9/2.3 Oktas, average relative humidity observed as 64%. Mean minimum time temperature was recorded as 5.1°C and for the recent week 62.3 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.2/0.9 Knots. The lowest minimum temperature was recorded as 3.3°C.

**Faisalabad (Central Punjab)**

Rainfall reported as 0.2 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded 2.0/2.6 Oktas while, average relative humidity observed as 55%. Mean minimum time temperature recorded 7.8°C & for the recent week 77.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.4/1.7 Knots. The lowest minimum temperature was recorded as 4.0°C.

**Tandojam (Lower Sindh)**

Dry weather reported during the week; however, cloudiness in the morning/evening recorded 0.6/1.7 Oktas while, average relative humidity observed as 52%. Mean minimum time temperature recorded as 9.1°C & for the recent week 93.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/1.8 Knots. The lowest minimum temperature was recorded as 6.5°C.

**Usta Muhammad (Eastern Baluchistan)**

Dry weather reported during the week; however, cloudiness in the morning/evening recorded as 0.0/2.2. Average relative humidity observed as 62%. Mean minimum time temperature recorded as 8.0°C & for the recent week 73.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.8/1.6 Knots. The lowest minimum temperature was recorded as 7.0°C.

**Quetta (Northern Baluchistan)**

Rainfall reported as 19.8 mm from Quetta during the week; however, cloudiness in the morning/evening recorded as 2.7/5.0 Oktas while, average relative humidity observed as 49%. Mean minimum time temperature recorded as 1.0°C. Wind speed recorded in the morning/evening as

2.3/3.4 Knots. The lowest minimum temperature was recorded as -3.2°C.

**Past Weather for Sub-Regional Agricultural Plains (26th February – 03rd March 2024)****Multan**

Dry weather reported during the week; however, cloudiness in the morning/evening recorded as 1.7/3.6 Oktas. Average relative humidity observed as 54%. Mean minimum time temperature recorded as 8.5°C & for the recent week 80.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.6/4.3 Knots.

**Lahore**

Rainfall reported 1.0 mm from Lahore during the week; cloudiness in the morning/evening recorded as 1.9/2.4 Oktas, average relative humidity observed as 52%. Mean minimum time temperature recorded as 10.1°C & for the recent week 83.2 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.6 Knots.

**Zhob**

Rainfall reported as 10.0 mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 1.0/3.6 Oktas. Average relative humidity observed as 43%. Mean minimum time temperature recorded as 0.4°C & for the recent week 16.2 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/3.6 Knots.

**Murree**

Dry weather reported from Murree during the week; however, cloudiness in the morning/evening recorded as 2.3/4.3 Oktas while, average relative humidity observed as 61%. Mean minimum time temperature recorded as -0.9°C & for the recent week 3.2 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.1/1.1 Knots.

**D.I. Khan**

Dry weather reported from D.I. Khan during the week; cloudiness in the morning/evening recorded as 1.9/3.0. Average relative humidity observed as 56%. Mean minimum time temperature recorded as 9.2°C & for the recent week 84.8 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 3.4/3.1 Oktas while, average relative humidity observed as 57%. Mean minimum time temperature was recorded as 7.0°C & for the recent week 69.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.6/2.9 Knots.

**Kalam**

Precipitation was reported as 7.0 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 4.3/5.9 Oktas while, average relative humidity observed as 57%. Mean minimum time temperature recorded as -9.6°C. Wind speed recorded as calm in the morning/evening.

**Gilgit**

Dry weather reported from Gilgit during the week, cloudiness in the morning/evening recorded as 6.3/5.6 Oktas while, average relative humidity observed as 51%. Mean minimum time temperature recorded as 2.6°C & for the recent week 27.1 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/2.6 Knots.

**Skardu**

Dry weather reported from Skardu during the week; however, cloudiness in the morning/evening recorded as 6.9/5.3 Oktas while, average relative humidity observed as 57%. Mean minimum time temperature recorded as -1.8°C. Wind speed recorded as calm in the morning/evening.

**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: Flowering Completed. Condition: *Very good*.

**Lower Sindh (Tandojam)**

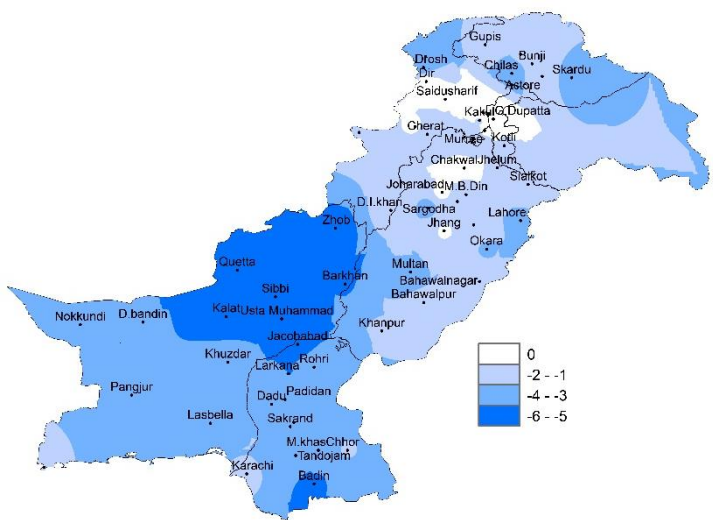
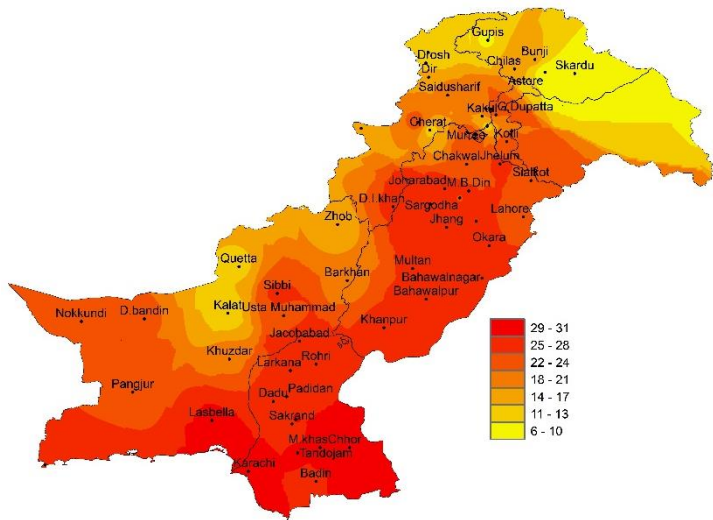
Wheat crop is sown in the fields. Date of sowing 26-11-2023. Variety:TJ83. Phonological Stage: wax maturity. Condition: Good.

**Northern Baluchistan (Quetta)**

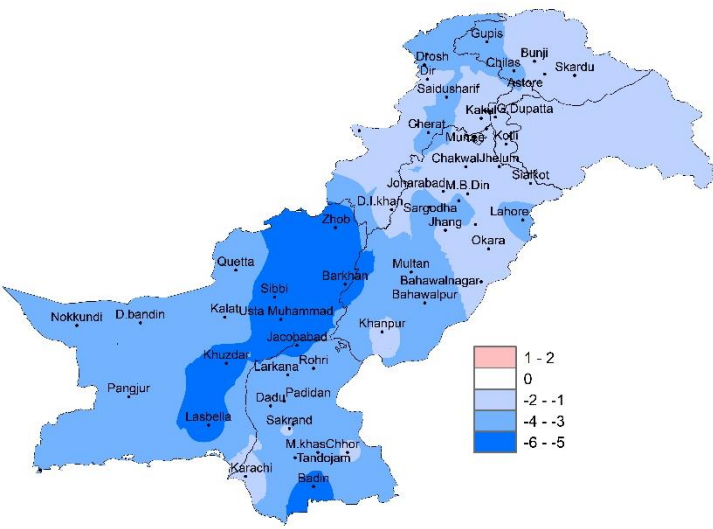
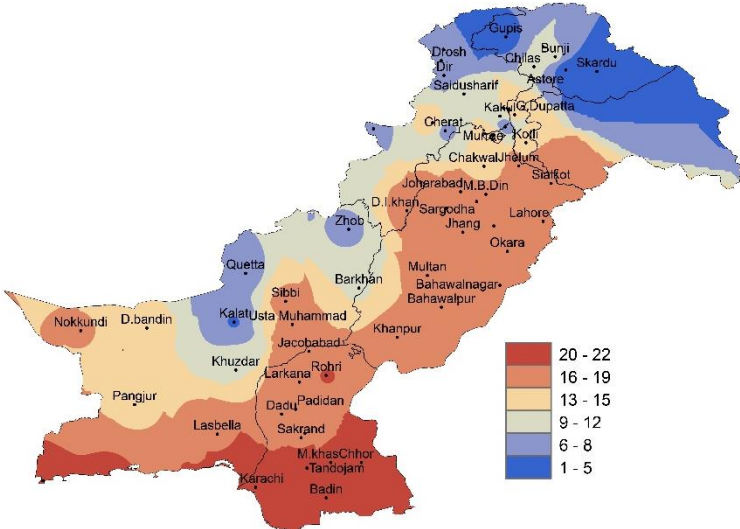
Wheat crop is sown in the fields of RAMC Quetta. Date of sowing 22-11-2023. Phonological Stage: Tillering. Condition: *Good*

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

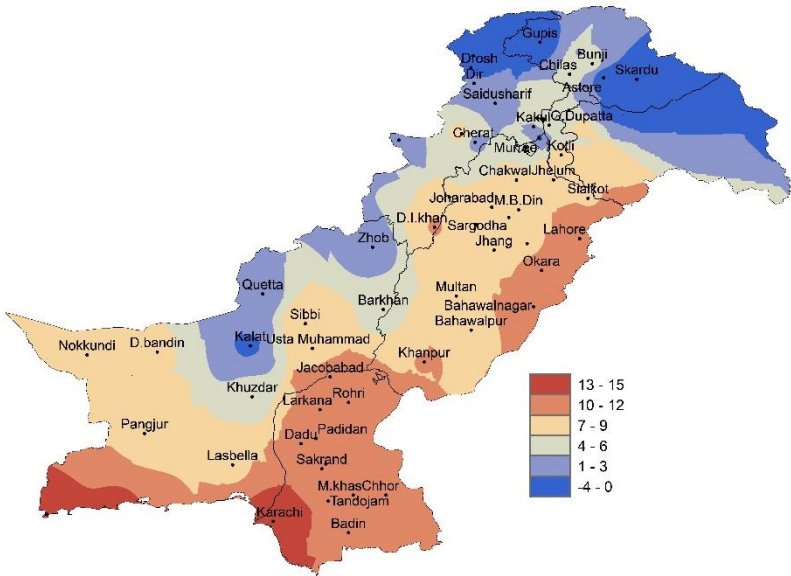
Actual & Departure of Maximum temperature (°C) for the Previous week (04<sup>th</sup> – 10<sup>th</sup> March 2024)



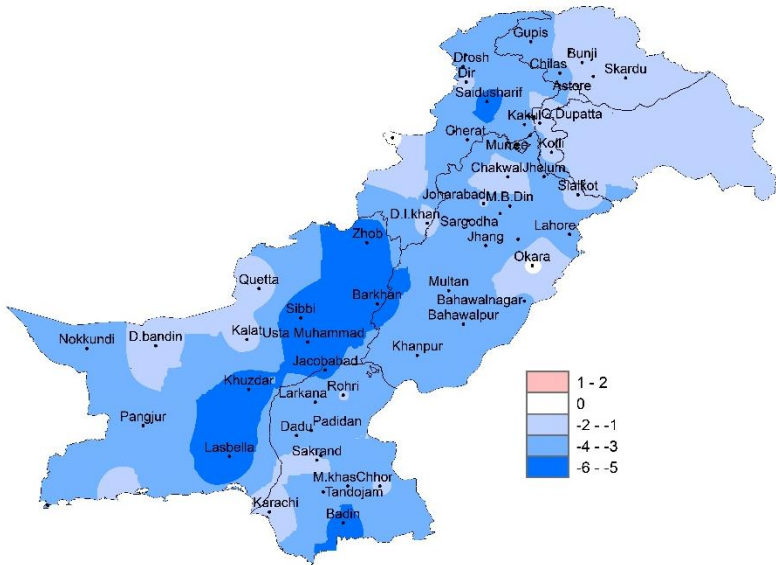
Actual & Departure of Mean temperature (°C) for the Previous week (04<sup>th</sup> – 10<sup>th</sup> March 2024)



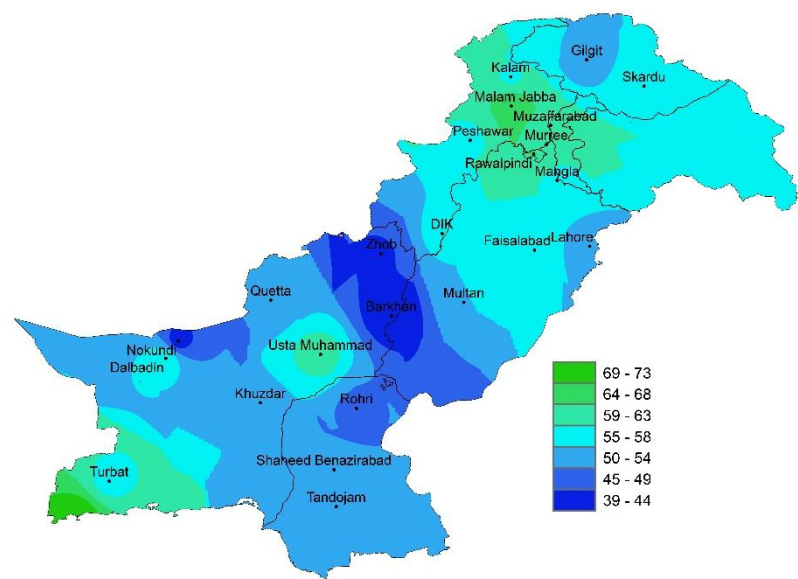
Actual Minimum temperature (°C) during the  
Previous week (04<sup>th</sup> – 10<sup>th</sup> March 2024)



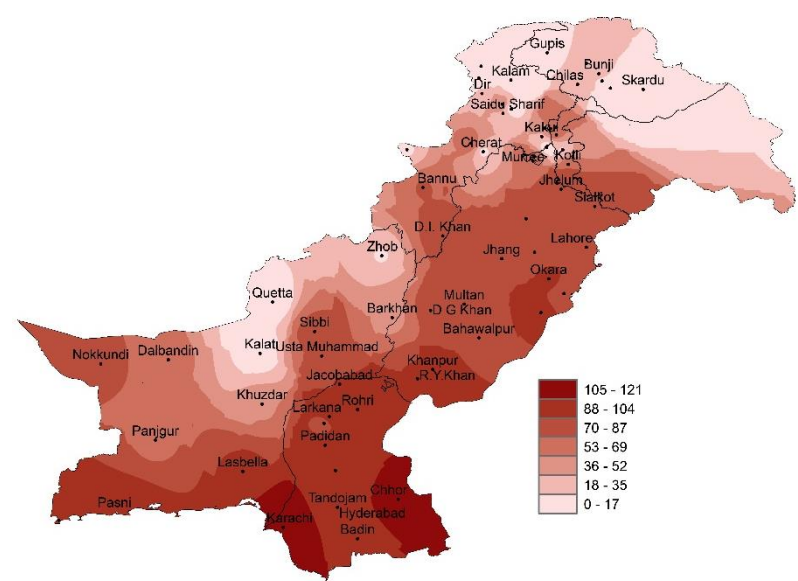
Departure of Minimum temperature (°C) during the  
Previous week (04<sup>th</sup> – 10<sup>th</sup> March 2024)



Mean Relative Humidity (%) during the  
Previous week (04<sup>th</sup> – 10<sup>th</sup> March 2024)

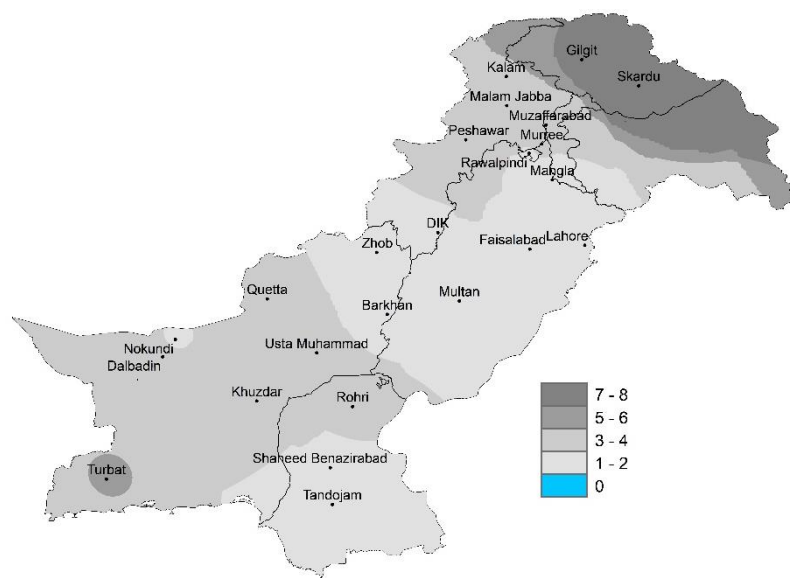


Total Growing Degree Days accumulated during the  
Previous week (04<sup>th</sup> – 10<sup>th</sup> March 2024)

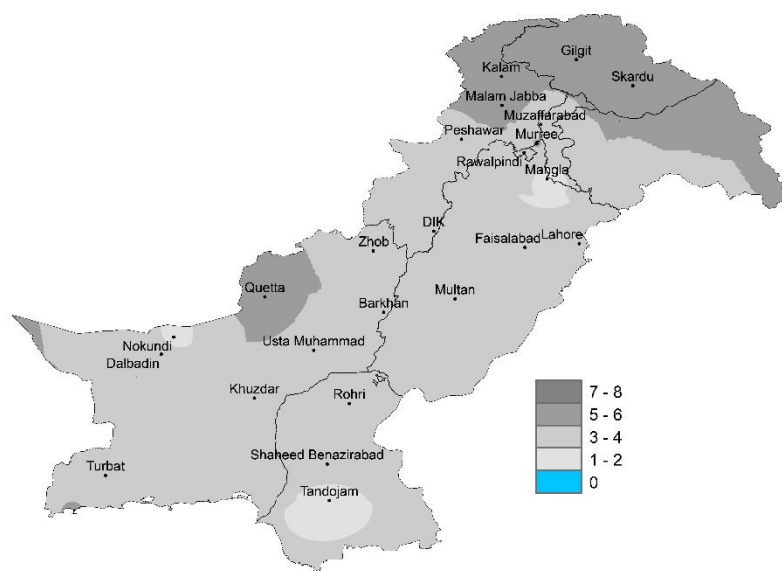




Mean Cloudiness (Octas) at 0800PST during the  
Previous week (04<sup>th</sup> – 10<sup>th</sup> March 2024)

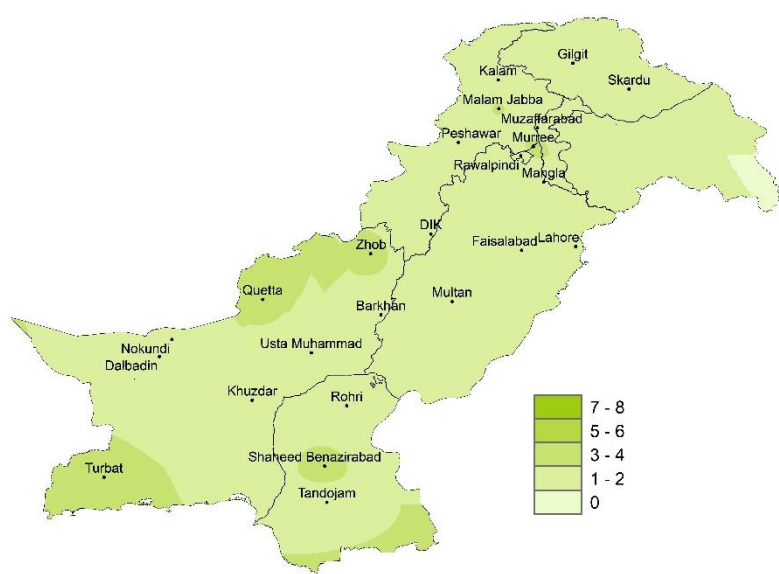


Mean Cloudiness (Octas) at 1700PST during the  
Previous week (04<sup>th</sup> – 10<sup>th</sup> March 2024)

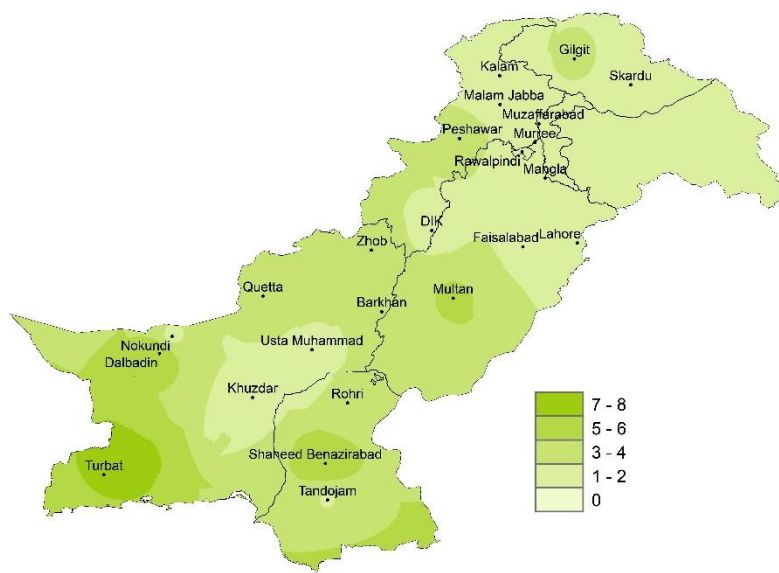




Mean Wind Speed (Knots) at 0800PST during the  
Previous week (04<sup>th</sup> – 10<sup>th</sup> March 2024)

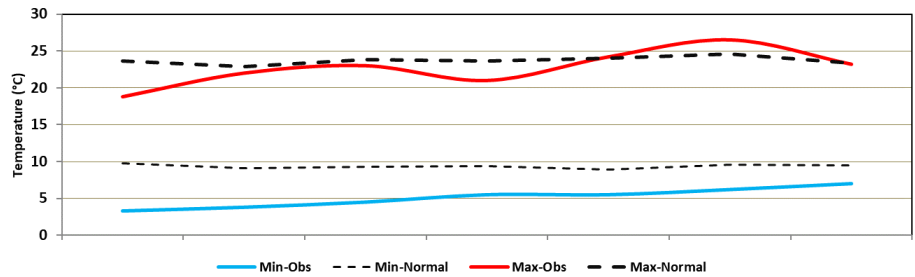


Mean Wind Speed (Knots) at 1700PST during the  
Previous week (04<sup>th</sup> – 10<sup>th</sup> March 2024)

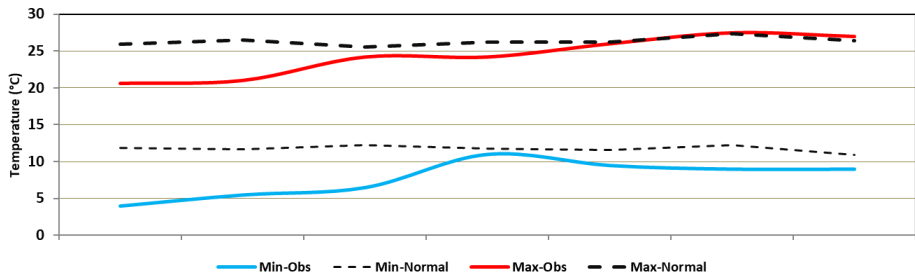


Comparison of temperatures for RAMCs (Minimum & Maximum with normal)  
during the previous week (04<sup>th</sup> – 10<sup>th</sup> March 2024)

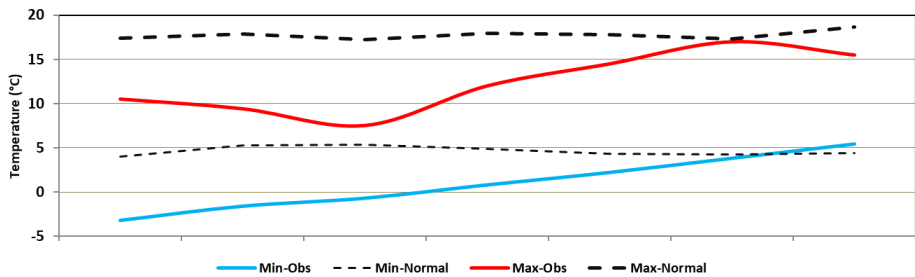
Rawalpindi (Min & Max Temperatures)



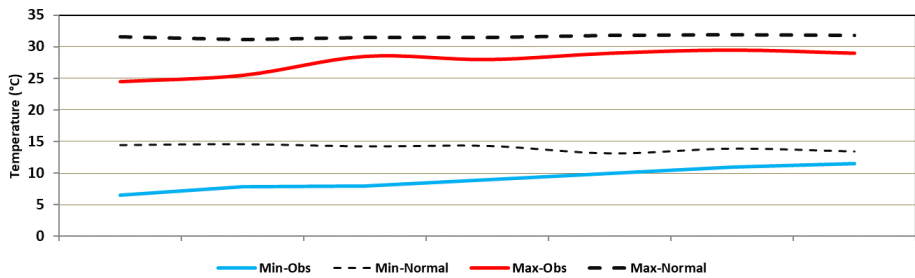
Faisalabad (Min & Max Temperatures)



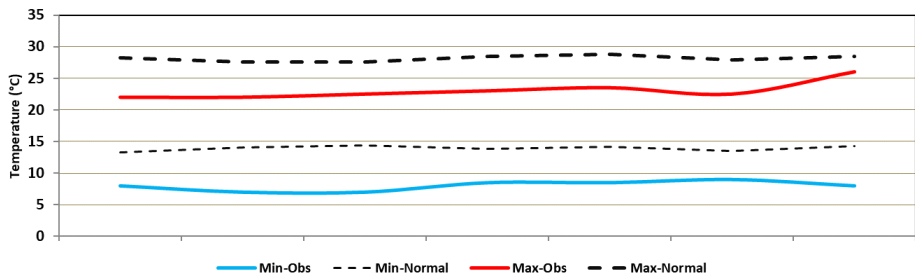
Quetta (Min & Max Temperatures)



Tandojam (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



**Weekly Weather Advisory for Farmers****(11<sup>th</sup> – 17<sup>th</sup> March 2024)**

A westerly wave is affecting northeastern Baluchistan. Another westerly wave is likely to enter western parts from 12<sup>th</sup> March (evening/night) and likely to grip most upper parts of the country on 13<sup>th</sup> March.

**MONDAY****11-03-2024**

Cold and cloudy weather is expected in most parts of the country. However, rain-wind/thunderstorm (snowfall over hills) is likely in north/northeastern Baluchistan, Gilgit-Baltistan, upper Khyber-Pakhtunkhwa, central/south Punjab, Kashmir and adjoining hilly areas.

**TUESDAY****12-02-2024**

Cold and dry weather is expected in most parts of the country. However, rain-wind/thunderstorms (snowfall over hills) is likely in Baluchistan, upper Sindh, Islamabad, south Punjab, Khyber-Pakhtunkhwa, Gilgit-Baltistan, Kashmir and adjoining hilly areas during evening/night.

**WEDNESDAY****13-02-2024**

Rain-wind/thunderstorm (snowfall over hill) is expected in Khyber Pakhtunkhwa, Gilgit Baltistan, Kashmir, upper/central Punjab and Islamabad. Isolated hailstorm is likely during the period while, isolated heavy fall in upper Khyber Pakhtunkhwa, Kashmir and Potohar region. Dry/windy weather is expected elsewhere in the country.

**THURSDAY****14-02-2024**

Mainly cold and dry weather is expected in most parts of the country. However, rain-wind/thunderstorms (snowfall over hill) is expected at isolated places in upper Khyber Pakhtunkhwa, Gilgit Baltistan, Kashmir and adjoining hilly areas.

**FRIDAY****15-03-2024**

Mainly cold and dry weather is expected in most parts of the country.

**SATURDAY****16-03-2024**

Mainly cold and dry weather is expected in most parts of the country. However, rain-wind/thunderstorm (snowfall over mountains) is expected at isolated places in upper Khyber Pakhtunkhwa, Kashmir, and Gilgit-Baltistan.

**SUNDAY****17-04-2024**

Mainly cold and dry weather is expected in most parts of the country.

**ADVISORY FOR FARMERS**

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

**National Weather Data of Selected Cities from (04<sup>th</sup> – 10<sup>th</sup> March 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	9.2	6.5	84.8	55.7	0.0	1.9	3.0	1.1	1.1
Faisalabad	7.8	4.0	77.5	55.0	0.2	2.0	2.6	0.4	1.7
Gawadar	12.6	10.5	94.3	73.4	21.2	3.4	4.1	3.1	4.6
Gilgit	2.6	0.5	27.1	50.5	0.0	6.3	5.6	0.3	2.6
Kalam	-9.6	-12.5	0.0	57.4	7.0	4.3	5.9	0.0	0.0
Khuzdar	3.9	0.0	45.9	51.6	0.3	3.3	3.3	0.0	0.6
Lahore	10.1	8.4	83.2	51.9	1.0	1.9	2.4	0.0	0.6
Malam Jabba	-1.6	-5.0	0.0	67.4	5.0	4.0	5.3	2.0	1.7
Mangla	7.4	5.5	76.1	56.3	0.0	1.4	1.6	0.6	1.7
Multan (PBO)	8.5	6.7	80.9	53.5	0.0	1.7	3.6	0.6	4.3
Murree	-0.9	-3.0	3.2	60.6	0.0	2.3	4.3	3.1	1.1
Muzaffarabad	5.7	3.5	60.0	61.4	2.0	2.7	2.4	0.0	0.0
Sh. Ben. Abad	9.6	6.0	96.4	49.5	0.0	1.7	2.4	2.3	5.7
Peshawar	7.0	4.5	69.4	57.1	0.0	3.4	3.1	0.6	2.9
Quetta	1.0	-3.2	11.6	48.9	19.8	2.7	5.0	2.3	3.4
Rawalpindi	5.1	3.3	62.3	63.7	0.0	1.9	2.3	0.2	0.9
Rohri	12.1	9.0	97.8	46.6	0.0	2.6	2.6	0.0	2.3
Skardu	-1.8	-3.5	0.0	57.4	0.0	6.9	5.3	0.0	0.0
Tandojam	9.1	6.5	93.9	52.1	0.0	0.6	1.7	1.4	1.8
U.Muhammad	8.0	7.0	73.8	61.8	0.0	2.2	3.5	0.8	1.6
Zhob	0.4	-3.0	16.2	42.9	10.0	1.0	3.6	2.0	3.6

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