

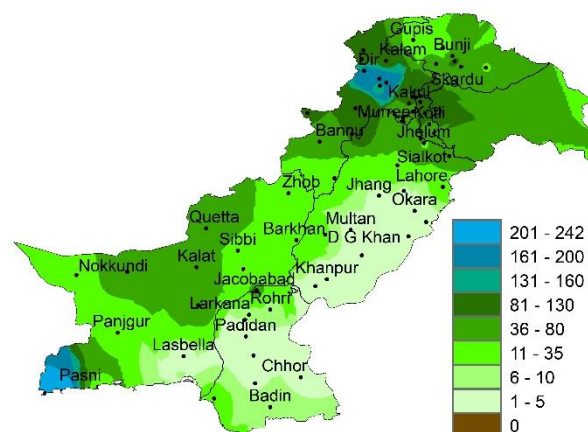
# Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the Previous  
Week (26<sup>th</sup> February – 03<sup>rd</sup> March 2024)**



## Highlights of Past Weather (26<sup>th</sup> February – 03<sup>rd</sup> March 2024)

- Moderate to heavy precipitation was observed in KP, Baluchistan, Potohar region, North-eastern Punjab, and Kashmir, Gilgit-Baltistan.
- While heavy showers were reported from Upper KP and the Coastal belt of Baluchistan.
- Light to moderate rain was reported from Sindh and South Punjab.
- Daily maximum temperatures were observed below normal all over the country, especially on the western side.
- Daily minimum temperatures were observed normal to below normal all over the country.
- Below normal mean daily temperatures were observed all over the country especially very low temperatures were observed in Baluchistan.

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**Editor: Dr. Tariq Mahmood (Meteorologist)**

**Past Weather of Provinces****(26<sup>th</sup> February – 03<sup>rd</sup> March 2024)****Punjab**

Moderate to heavy amount rainfall was reported from the Potohar region, North-eastern Punjab while light to moderate rain was reported in the rest of the province. Weekly maximum and minimum temperatures were recorded as 21.3°C & 9.5°C respectively. For the recent week on average 72.7 growing degree days were accumulated. Average relative humidity recorded as 66% and wind speed in the morning/evening recorded as 2.3/6.4 Knots. Highest rainfall was reported as 62.0 mm from Murree. However, lowest minimum temperature was recorded as -2.0°C at Murree.

**Baluchistan**

Moderate to heavy precipitation was observed all over the province while heavy showers were reported in the Coastal belt of Baluchistan. The highest rainfall was reported in Gawadar during the last week. Weekly maximum and minimum temperatures were recorded as 16.7°C & 7.2°C respectively. For the recent week on average 49.5 growing degree days were accumulated. Average relative humidity was recorded 66% and wind speed in the morning/evening recorded as 2.8/4.1 Knots. Highest rainfall was reported as 242.3 mm from Gawadar. However, lowest minimum temperature was recorded as -8.0°C at Kalat.

**Khyber Pakhtunkhwa**

Moderate to heavy rainfall was reported from Khyber Pakhtunkhwa. Weekly maximum and minimum temperatures recorded as 12.8°C & 4.2°C respectively. For the recent week on average 27.7 growing degree days were accumulated. Average relative humidity recorded as 75.1 % and wind speed in the morning/evening recorded as 1.5/1.9 Knots. Highest rainfall was reported as 189.0 mm from Malam Jabba. However, lowest minimum temperature recorded as -8.0 °C at Kalam.

**Sindh**

Light to moderate rainfall was reported from Sindh. Weekly maximum and minimum temperatures recorded as 25.7°C & 12.3°C respectively. For the recent week, on average 98.0 growing degree days were accumulated. Average relative humidity recorded as 57.8% and wind speed in the morning/evening recorded as 3.9/5.7 Knots. Highest rainfall was reported as 41.0 mm in Jacobabad during the last week. During the previous week the lowest minimum temperature recorded as 1.0°C at Moin – jo – Daro.

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

Moderate to heavy rainfall was reported from Gilgit Baltistan and Kashmir. Weekly maximum and minimum temperatures were recorded as 11.6°C & 1.7°C respectively. For the recent week on average 19.5 growing degree days were accumulated. Average relative humidity was recorded as 64.8%. and wind speed recorded in the morning/evening as 1.1/1.4. Highest rainfall was reported as 124.8 mm from Rawalakot. However, lowest minimum temperature recorded as -6.0°C at Astore.

**Past Weather for Major Agricultural Plains****(26<sup>th</sup> February – 03<sup>rd</sup> March 2024)****Rawalpindi (Potohar region)**

Rainfall reported as 43.0 mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 6.0/6.0 Oktas, average relative humidity observed as 74.5%. Mean minimum time temperature was recorded as 5.8°C and for the recent week 52.9 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.3/0.6 Knots. The lowest minimum temperature was recorded as 3.0°C.

**Faisalabad (Central Punjab)**

Rainfall reported as 4.1 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded 0.8/3.3 Oktas while, average relative humidity observed as 66%. Mean minimum time temperature recorded 9.4°C & for the recent week 75.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.2/2.9 Knots. The lowest minimum temperature was recorded as 6.0°C.

**Tandojam (Lower Sindh)**

Rainfall reported as 4.4mm during the week; however, cloudiness in the morning/evening recorded 1.6/1.8 Oktas while, average relative humidity observed as 57%. Mean minimum time temperature recorded as 11.2°C & for the recent week 95.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.4/3.7 Knots. The lowest minimum temperature was recorded as 8.0°C.

**Usta Muhammad (Eastern Baluchistan)**

Rainfall reported as 9.0mm during the week; however, cloudiness in the morning/evening recorded as 3.4/2.4. Average relative humidity observed as 70%. Mean minimum time temperature recorded as 9.9°C & for the recent week 84.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.2/2.4 Knots. The lowest minimum temperature was recorded as 6.0°C.

**Quetta (Northern Baluchistan)**

Precipitation reported as 61.8mm from Quetta during the week; however, cloudiness in the morning/evening recorded as 5.7/5.3 Oktas while, average relative humidity observed as 79%. Mean minimum time temperature recorded as 0.7°C.

Wind speed recorded in the morning/evening as 2.9/3.2 Knots. The lowest minimum temperature was recorded as -4.4°C.

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

Rainfall reported as 3.2mm during the week; however, cloudiness in the morning/evening recorded as 4.9/3.7 Oktas. Average relative humidity observed as 58%. Mean minimum time temperature recorded as 11.2°C & for the recent week 83.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/8.3 Knots.

**Lahore**

Rainfall reported 14.5mm from Lahore during the week; cloudiness in the morning/evening recorded as 3.7/4.3 Oktas, average relative humidity observed as 59%. Mean minimum time temperature recorded as 10.3°C & for the recent week 78.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/4.6 Knots.

**Zhob**

Rainfall reported as 29.0mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 5.7/5.4 Oktas. Average relative humidity observed as 56%. Mean minimum time temperature recorded as 0.7°C & for the recent week 10.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/4.3 Knots.

**Murree**

Precipitation reported as 62.0 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 6.0/6.4 Oktas while, average relative humidity observed as 82%. Mean minimum time temperature recorded as -0.2°C. Wind speed recorded in the morning/evening as 4.3/6.3 Knots.

**D.I. Khan**

Rainfall reported as 17.0mm from D.I. Khan during the week; cloudiness in the morning/evening recorded as 6.0/5.0. Average relative humidity observed as 67%. Mean minimum time temperature recorded as 10.2°C & for the recent week 71.8

growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/1.7 Knots.

### **Peshawar**

Rainfall reported as 86.0mm from Peshawar during the week; however, cloudiness in the morning/evening recorded as 7.0/6.9 Oktas while, average relative humidity observed as 71%. Mean minimum time temperature was recorded as 8.3°C & for the recent week 55.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/3.1 Knots.

### **Kalam**

Precipitation reported as 97.7 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 7.1/7.1 Oktas while, average relative humidity observed as 67%. Mean minimum time temperature recorded as -5.7°C. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

### **Gilgit**

Precipitation reported as 14.3 mm from Gilgit during the week, cloudiness in the morning/evening recorded as 6.9/7.1 Oktas while, average relative humidity observed as 55%. Mean minimum time temperature recorded as 3.0°C & for the recent week 22.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/2.9 Knots.

### **Skardu**

Precipitation reported as 33.3 mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 6.7/7.4 Oktas while, average relative humidity observed as 67%. Mean minimum time temperature recorded as -2.8°C. Wind speed recorded in the morning/evening as 0.0/0.3 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: heading Completed. Condition: *Very good*.

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

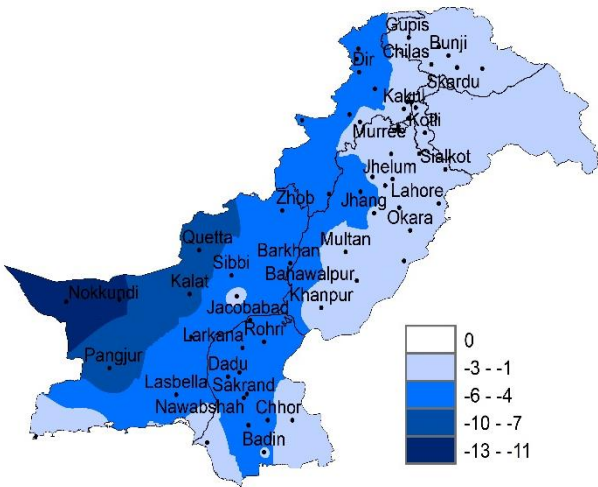
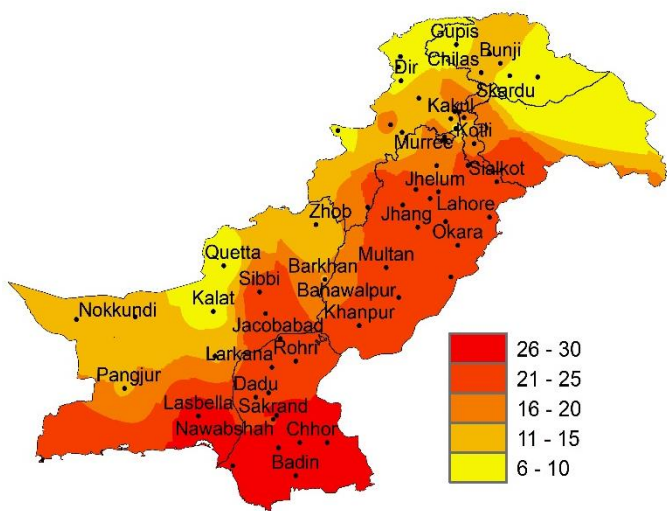
Wheat crop is sown in the fields. Date of sowing 26-11-2023. Variety:TJ83. Phonological Stage: grain formation. Condition: Good after irrigation.

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

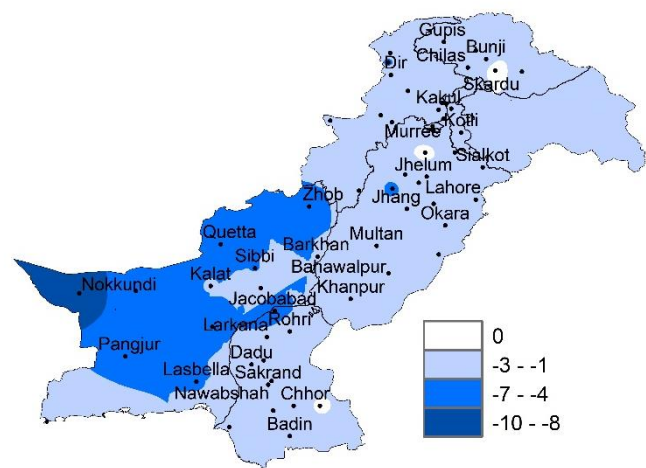
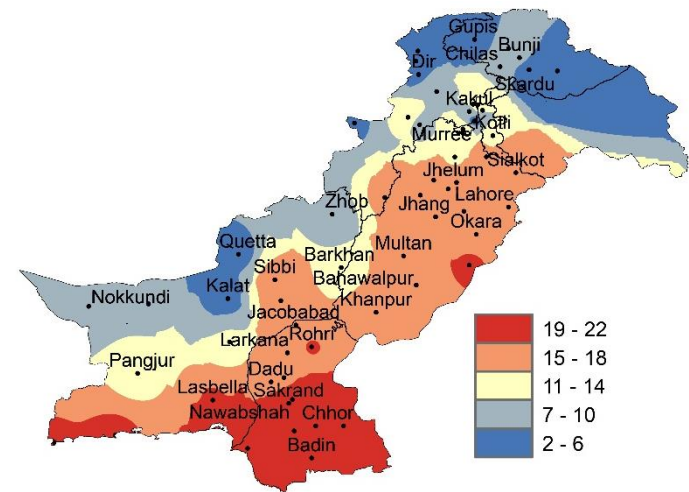
Wheat crop is sown in the fields of RAMC Quetta. Date of sowing 22-11-2023. Phonological Stage: shooting. Condition: *Good*

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

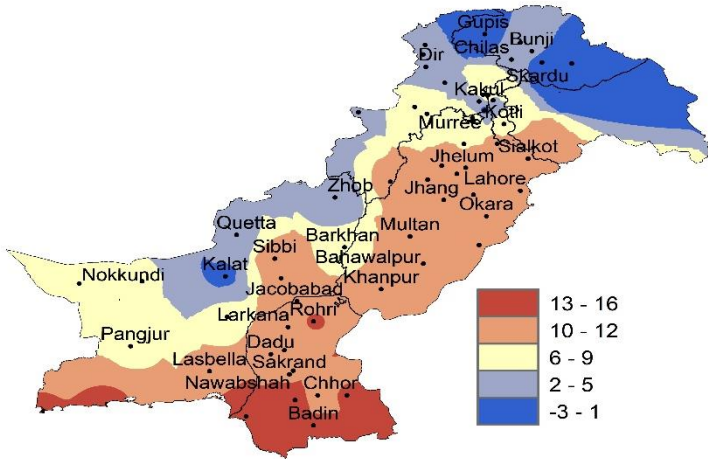
Actual & Departure of Maximum temperature (°C) for the Previous week (26<sup>th</sup> February – 03<sup>rd</sup> March 2024)



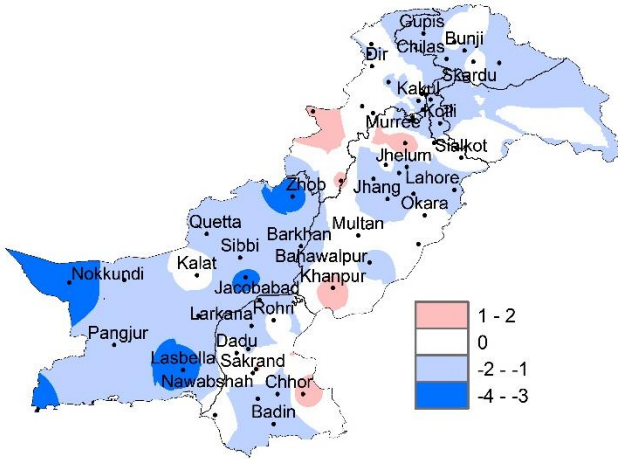
Actual & Departure of Mean temperature (°C) for the Previous week (26<sup>th</sup> February – 03<sup>rd</sup> March 2024)



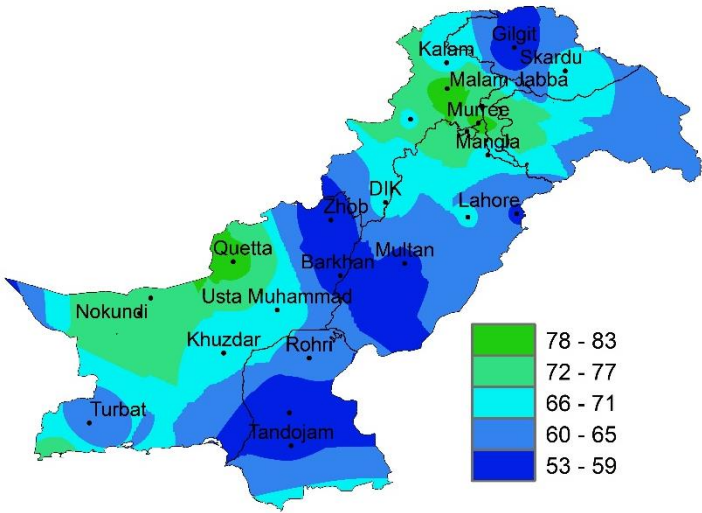
Actual Minimum temperature (°C) during the  
Previous week (26<sup>th</sup> February – 03<sup>rd</sup> March 2024)



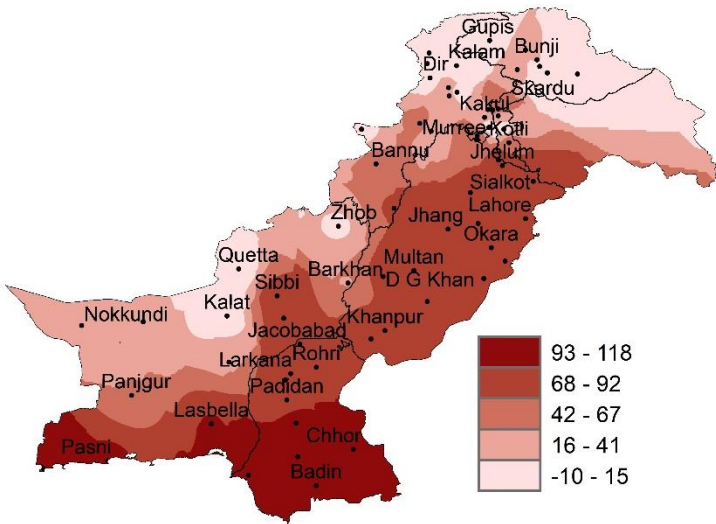
Departure of Minimum temperature (°C) during the  
Previous week (26<sup>th</sup> February – 03<sup>rd</sup> March 2024)



Mean Relative Humidity (%) during the  
Previous week (26<sup>th</sup> February – 03<sup>rd</sup> March 2024)

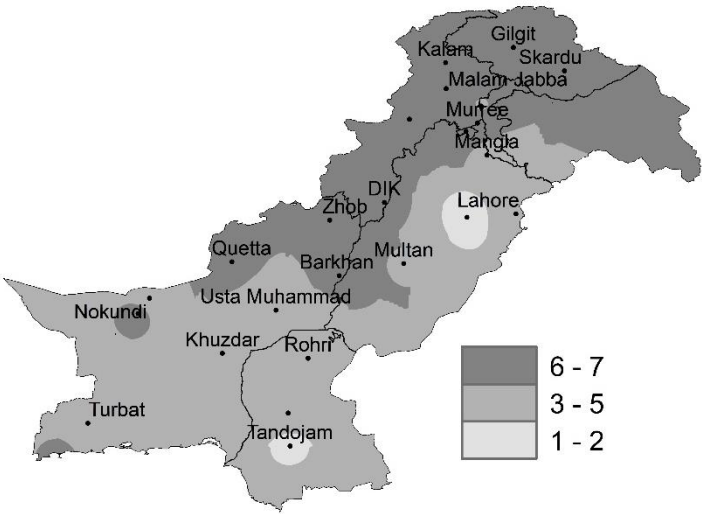


Total Growing Degree Days accumulated during the  
Previous week (26<sup>th</sup> February – 03<sup>rd</sup> March 2024)

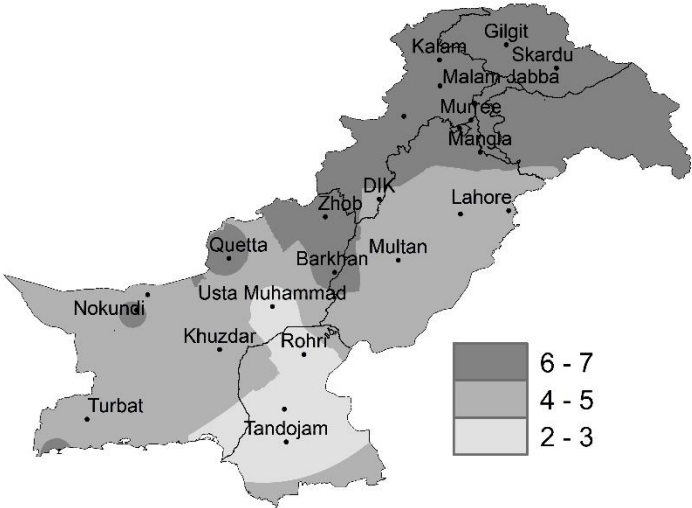




Mean Cloudiness (Octas) at 0800PST during the  
Previous week (26<sup>th</sup> February – 03<sup>rd</sup> March 2024)

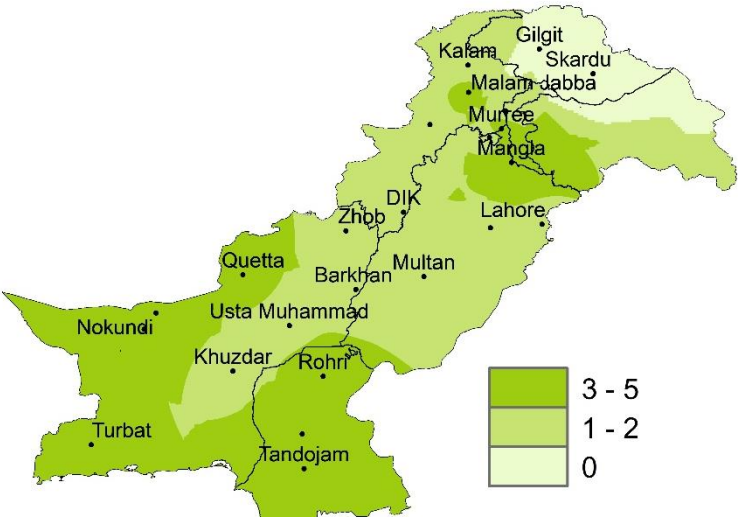


Mean Cloudiness (Octas) at 1700PST during the  
Previous week (26<sup>th</sup> February – 03<sup>rd</sup> March 2024)

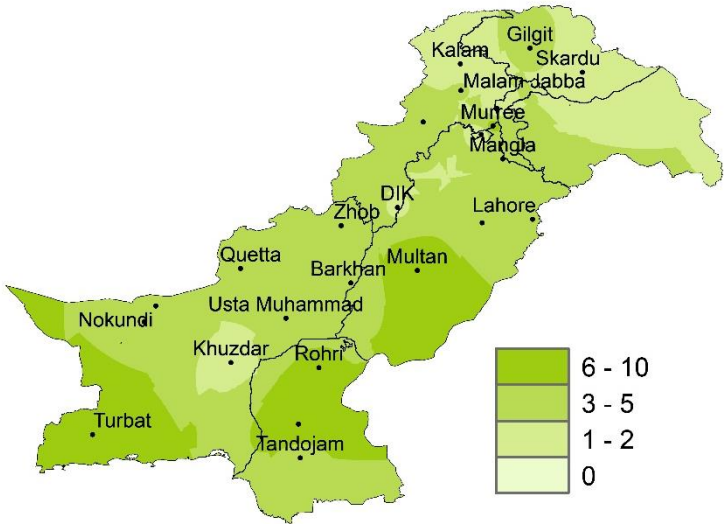




Mean Wind Speed (Knots) at 0800PST during the  
Previous week (26<sup>th</sup> February – 03<sup>rd</sup> March 2024)

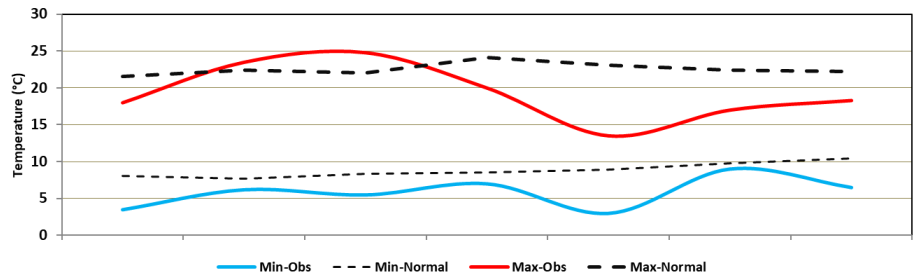


Mean Wind Speed (Knots) at 1700PST during the  
Previous week (26<sup>th</sup> February – 03<sup>rd</sup> March 2024)

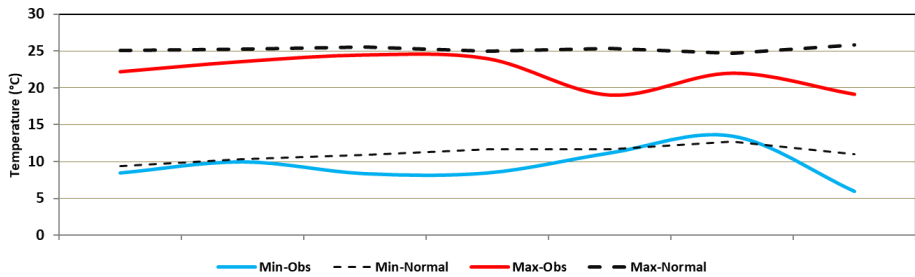


Comparison of temperatures for RAMCs (Minimum & Maximum with normal)  
during the previous week (26<sup>th</sup> February – 03<sup>rd</sup> March 2024)

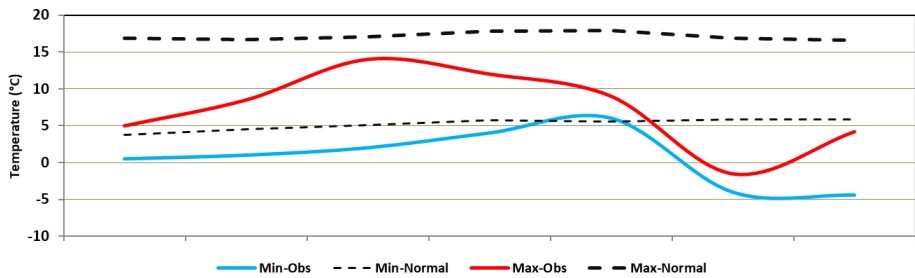
Rawalpindi (Min & Max Temperatures)



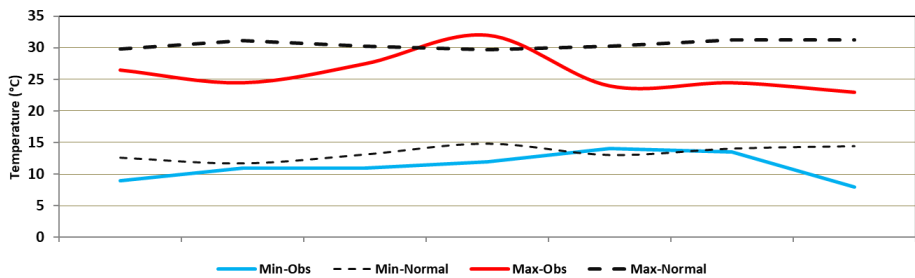
Faisalabad (Min & Max Temperatures)



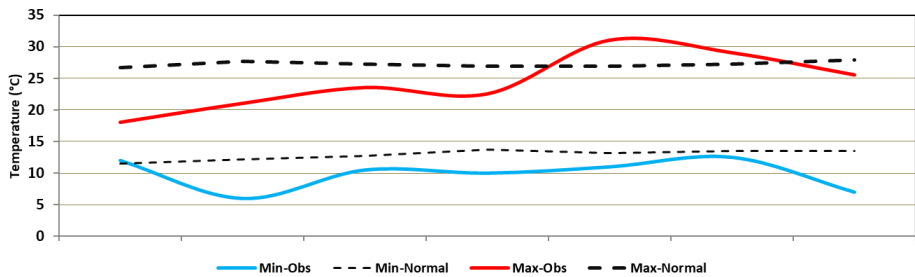
Quetta (Min & Max Temperatures)



Tandojam (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



**Weekly Weather Advisory for Farmers****(04<sup>th</sup> – 10<sup>th</sup> March 2024)**

Continental air is prevailing over most parts of the country. A westerly wave is likely to enter Balochistan from tomorrow (evening/night).

**MONDAY****04-03-2024**

Cold and dry weather is expected in most parts of the country while, very cold in upper parts. However, light rain-wind/thunderstorm (light snowfall) is expected in upper Khyber Pakhtunkhwa and Gilgit Baltistan.

**TUESDAY****5-03-2024**

Cold and dry weather is expected in most parts of the country while, very cold in upper parts. However, rain-wind/thunderstorm (snowfall over hills) is expected in northwest/south Balochistan.

**WEDNESDAY****06-03-2024**

Mainly Cold and dry weather is expected in most parts of the country, while very cold in Swat, Skardu, Murree, Galliyat, Quetta, Kalat, Zhob, Ziarat, Gilgit Baltistan and Kashmir. Rain-wind/thunderstorm (snowfall over hills) is expected in Quetta, Mastung, Ziarat, Pishin, Qilla Abdullah, Qilla Saifullah, Zhob. Gwadar, Chagi, Noushki, Kharan, Washuk, Dalbandin, Kalat, Chitral, Malakand, Swat, Potohar region, Gilgit-Baltistan and Kashmir.

**THURSDAY****07-03-2024**

Mainly cold and dry weather is expected in most parts of the country. Rain-wind/thunderstorm (snowfall over hills) is expected in Gilgit-Baltistan, Kashmir and Pothohar region.

**FRIDAY****08-03-2024**

Mainly Cold and dry weather is expected in most parts of the country, while very cold and partly cloudy in northern parts. However, rain-wind/thunderstorm is expected in Chitral, Swat and Gilgit-Baltistan.

**SATURDAY****09-03-2024**

Mainly Cold and dry weather is expected in most parts of the country. However, rain-wind/thunderstorm is expected in Gwadar, Panjgur, Kech and Lasbella.

**SUNDAY****10-04-2024**

Mainly Cold and dry weather is expected in most parts of the country. However, rain-wind/thunderstorm is expected in Ketch, Gwadar, Lasbella, Quetta and Khuzdar.

**ADVISORY FOR FARMERS**

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

**National Weather Data of Selected Cities from (12<sup>th</sup> – 18<sup>th</sup> February 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	10.2	7.0	71.8	66.6	17.0	6.0	5.0	1.7	1.7
Faisalabad	9.4	6.0	75.3	65.5	4.1	0.8	3.3	1.2	2.9
Gawadar	14.1	9.0	96.3	74.1	242.3	5.1	5.1	5.4	6.9
Gilgit	3.0	1.5	22.6	54.8	14.3	6.9	7.1	0.0	2.9
Kalam	-5.7	-8.0	0.0	66.6	97.7	7.1	7.1	0.0	0.3
Khuzdar	5.8	0.0	39.0	66.6	55.8	4.6	4.1	0.9	1.1
Lahore	10.3	9.1	78.9	58.7	14.5	3.7	4.3	1.4	4.6
Malam Jabba	-2.1	-5.0	0.0	83.0	189.0	6.9	7.4	2.9	2.3
Mangla	8.9	5.5	70.5	66.4	56.8	4.1	5.1	4.3	2.6
Multan (PBO)	11.2	6.4	83.9	58.4	3.2	4.9	3.7	1.1	8.3
Murree	-0.2	-2.0	0.0	81.6	62.0	6.0	6.4	4.3	6.3
Muzaffarabad	6.9	4.5	48.4	71.4	89.0	4.9	6.0	0.0	0.0
Sh. Ben. Abad	12.0	7.0	99.5	53.2	0.0	3.0	2.9	4.3	7.7
Peshawar	8.3	5.5	55.4	70.6	86.0	7.0	6.9	1.4	3.1
Quetta	0.7	-4.4	-6.9	78.6	61.8	5.7	5.3	2.9	3.2
Rawalpindi	5.8	3.0	52.9	74.5	43.0	6.0	6.0	0.3	0.6
Rohri	12.7	9.5	91.3	61.2	5.0	3.3	2.9	4.0	5.7
Skardu	-2.8	-5.1	0.0	66.6	33.3	6.7	7.4	0.0	0.3
Tandojam	11.2	8.0	95.3	59.0	4.4	1.6	1.8	3.4	3.7
U.Muhammad	9.9	6.0	84.8	70.0	9.0	3.4	2.4	1.2	2.4
Zhob	0.7	-2.5	10.6	55.9	29.0	5.7	5.4	2.0	4.3

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