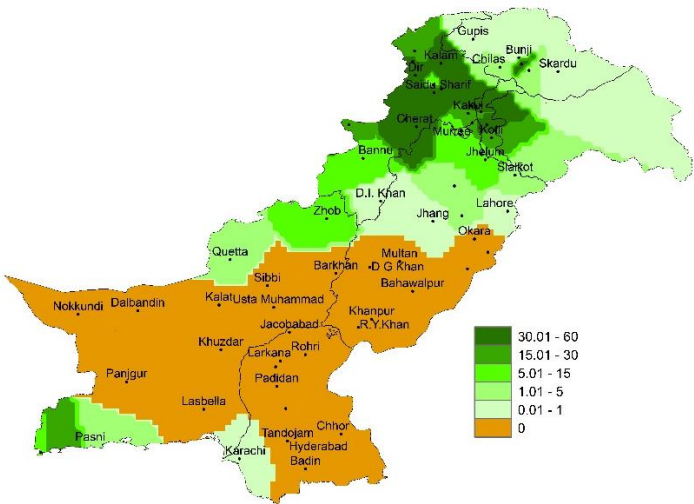


Weekly Weather and Crop Bulletin for Pakistan

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PAKISTAN METEOROLOGICAL
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Rainfall Distribution (mm) during the Previous Week (12th – 18th February 2024)



Highlights of Past Weather (12th – 18th February 2024)

- Light to moderate rainfall was reported from KP, Gilgit-Baltistan, Kashmir, the Potohar region, and the coastal belt of Baluchistan during the past week. Light rain was reported in central & and northeastern Punjab and some stations from Northern Baluchistan.
- Dry weather was reported from south Punjab, Sindh, and the rest of Baluchistan.
- Daily maximum temperatures were observed above normal throughout the country during the past week.
- Daily minimum temperatures were observed normal to slightly above normal in Baluchistan, lower Punjab, Sindh, lower KP, GB and Kashmir while normal to below normal in upper half of Punjab, lower Sindh, few areas of upper KP and Kashmir
- Above normal mean daily temperatures were observed throughout the country during the past week.

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Editor-in-Chief: Asma Jawad Hashmi (Director)
Editor: Dr. Tariq Mahmood (Meteorologist)

Past Weather of Provinces **(12th – 18th February 2024)**

Punjab

Light to moderate rainfall was reported from the Potohar region while light rain was reported in central & north-eastern Punjab during the past week. Weekly maximum and minimum temperatures recorded as 24.3°C & 7.4°C respectively. For the recent week on average 75.8 growing degree days were accumulated. Average relative humidity recorded as 62% and wind speed in the morning/evening recorded as 1.5/2.5 Knots. Highest rainfall was reported as 30.0 mm from Murree. However, the lowest minimum temperature was recorded as -0.5°C at Murree.

Baluchistan

Light to moderate rainfall was reported from the coastal belt while light rainfall was observed in northern Baluchistan. Weekly maximum and minimum temperatures were recorded as 25.1°C & 9.0°C respectively. For the recent week on average 84.3 growing degree days were accumulated. Average relative humidity recorded 48% and wind speed in the morning/evening recorded as 0.7/5.3 Knots. Highest rainfall was reported as 16.5 mm from Gawadar. However, lowest minimum temperature was recorded as -2.5°C at Kalat.

Khyber Pakhtunkhwa

Light to moderate rainfall reported from Khyber Pakhtunkhwa province during the past week. Weekly maximum and minimum temperatures recorded as 19.8°C & 4.4°C respectively. For the recent week on average 50.0 growing degree days were accumulated. Average relative humidity recorded as 64% and wind speed in the morning/evening recorded as 1.1/1.7 Knots. Highest rainfall was reported as 57.0 mm from Pattan. However, lowest minimum temperature recorded as -8.0 °C at Kalam.

Sindh

Trace rainfall was reported from only Karachi station in the Sindh province during the past week.

Weekly maximum and minimum temperatures recorded as 28.6°C & 11.0°C respectively. For the recent week, on average 103.5 growing degree days were accumulated. Average relative humidity recorded as 53% and wind speed in the morning/evening recorded as 1.7/3.7 Knots. Highest rainfall was reported as 0.01 (trace) mm in Karachi during the last week. During the previous week the lowest minimum temperature recorded as 5.5°C at Mithi.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light to moderate rainfall was reported from Gilgit Baltistan and Kashmir province during the past week. Weekly maximum and minimum temperatures recorded as 16.3°C & 0.4°C respectively. For the recent week on average 27.0 growing degree days were accumulated. Average relative humidity recorded as 56%. and wind speed recorded in the morning/evening as 0.3/1.4. Highest rainfall was reported as 57.0 mm from Rawalakot. However, lowest minimum temperature recorded as -7.9°C at Skardu.

Past Weather for Major Agricultural Plains**(12th – 18th February 2024)****Rawalpindi (Potohar region)**

Rainfall was reported as 8.4 mm from Rawalpindi during the week; however, cloudiness in the morning/evening was recorded as 2.0/2.9 Oktas, and average relative humidity was observed as 56%. Mean minimum time temperature was recorded as 4.4°C and for the recent week 66.8 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.2/0.6 Knots. The lowest minimum temperature was recorded as 3.0°C.

Faisalabad (Central Punjab)

Rainfall reported as 1.2 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded 2.3/2.3 Oktas while, average relative humidity observed as 65%. Mean minimum time temperature recorded 6.8°C & for the recent week 74.1 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.6/1.2 Knots. The lowest minimum temperature was recorded as 5.0°C.

Tandojam (Lower Sindh)

Dry weather reported during the week; however, cloudiness in the morning/evening recorded 2.0/1.3 Oktas while, average relative humidity observed as 55%. Mean minimum time temperature recorded as 9.6°C & for the recent week 97.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.5/2.0 Knots. The lowest minimum temperature was recorded as 8.5°C.

Usta Muhammad (Eastern Baluchistan)

Dry weather reported during the week; however, cloudiness in the morning/evening recorded as 1.1/0.5. Average relative humidity observed as 58%. Mean minimum time temperature recorded as 7.9°C & for the recent week 88.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.2/0.8 Knots. The lowest minimum temperature was recorded as 7.0°C.

Quetta (Northern Baluchistan)

Rainfall reported as 3.8 mm from Quetta during the week; however, cloudiness in the morning/evening recorded as 1.8/2.1 Oktas while, average relative humidity observed as 33%. Mean minimum time temperature recorded as 3.0°C & for the recent week 43.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/3.1

Knots. The lowest minimum temperature was recorded as 1.8°C.

Past Weather for Sub-Regional Agricultural Plains (12th – 18th February 2024)**Multan**

Dry weather reported during the week; however, cloudiness in the morning/evening recorded as 2.3/1.6 Oktas. Average relative humidity observed as 59%. Mean minimum time temperature recorded as 8.8°C & for the recent week 85.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/3.7 Knots.

Lahore

Dry weather reported from Lahore during the week; cloudiness in the morning/evening recorded as 2.3/2.6 Oktas, average relative humidity observed as 66%. Mean minimum time temperature recorded as 8.7°C & for the recent week 74.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.6/1.7 Knots.

Zhob

Rainfall was reported as 6.0 mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 1.3/1.4 Oktas. Average relative humidity observed as 33%. Mean minimum time temperature recorded as 2.1°C & for the recent week 45.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.1/5.1 Knots.

Murree

Rainfall reported as 30.0 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 2.0/2.9 Oktas while, average relative humidity observed as 61%. Mean minimum time temperature recorded as 0.1°C & for the recent week 15.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 4.0/2.0 Knots.

D.I. Khan

Dry weather reported from D.I. Khan during the week; cloudiness in the morning/evening recorded as 1.1/2.1. Average relative humidity observed as 66%. Mean minimum time temperature recorded as 7.9°C & for the recent week 80.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.6/0.6 Knots.

Peshawar

Rainfall reported as 42.5 mm from Peshawar during the week; however, cloudiness in the morning/evening recorded as 2.0/3.3 Oktas while, average relative humidity observed as 67%. Mean minimum time temperature was recorded as 5.2°C & for the recent week 71.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/1.7 Knots.

Kalam

Rainfall reported as 54.7 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 2.3/4.6 Oktas while, average relative humidity observed as 51%. Mean minimum time temperature recorded as -5.4°C. Wind speed recorded in the morning/evening as 0.0/0.7 Knots.

Gilgit

Dry weather reported from Gilgit during the week, cloudiness in the morning/evening recorded as 3.4/5.0 Oktas while, average relative humidity observed as 46%. Mean minimum time temperature recorded as -1.4°C & for the recent week 21.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.6/1.9 Knots.

Skardu

Dry weather reported from Skardu during the week; however, cloudiness in the morning/evening recorded as 3.7/2.7 Oktas while, average relative humidity observed as 51%. Mean minimum time temperature recorded as -5.4°C. Wind speed recorded in the morning/evening as 0.0/0.7 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: Shooting Completed. Condition: *Very good*.

Lower Sindh (Tandojam)

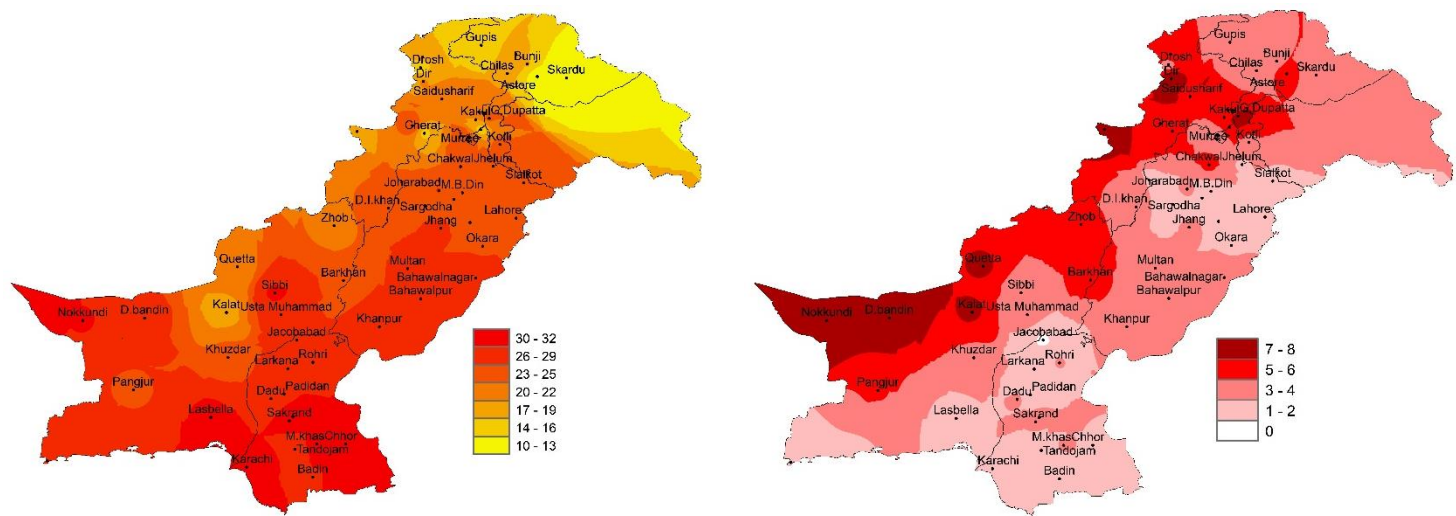
Wheat crop is sown in the fields. Date of sowing 26-11-2023. Variety:TJ83. Phonological Stage: Flowering. Condition: Good after irrigation.

Northern Baluchistan (Quetta)

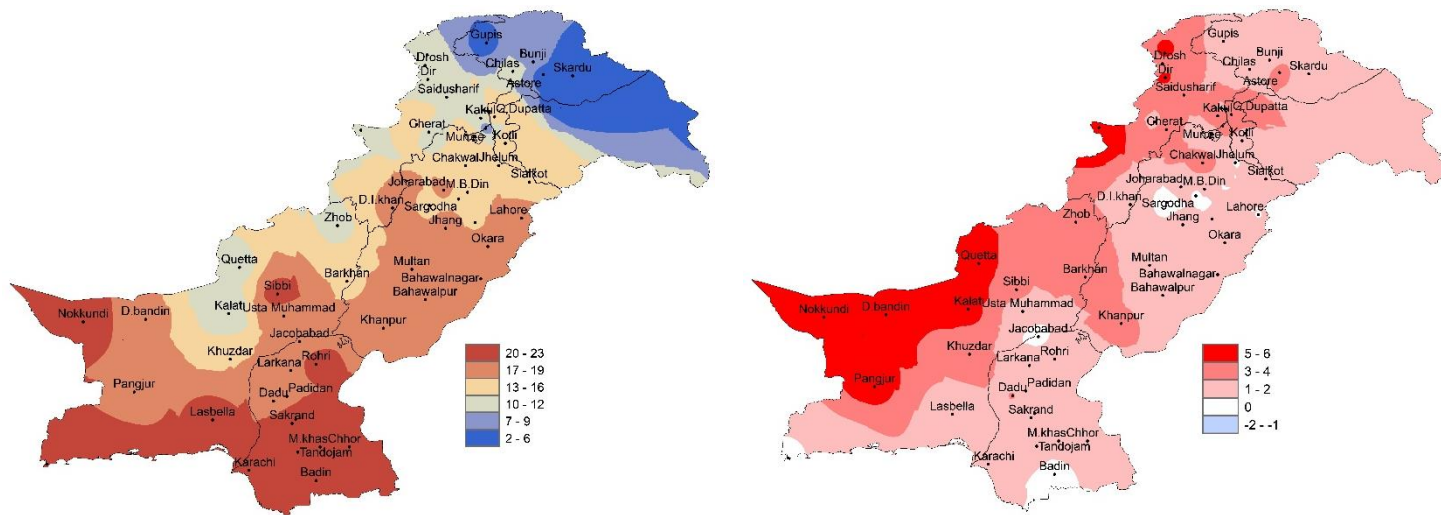
Wheat crop is sown in the fields of RAMC Quetta. Date of sowing 22-11-2023. Phonological Stage: Tillering. Condition: *Good*

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

Actual & Departure of Maximum temperature (°C) for the Previous week (12th – 18th February 2024)

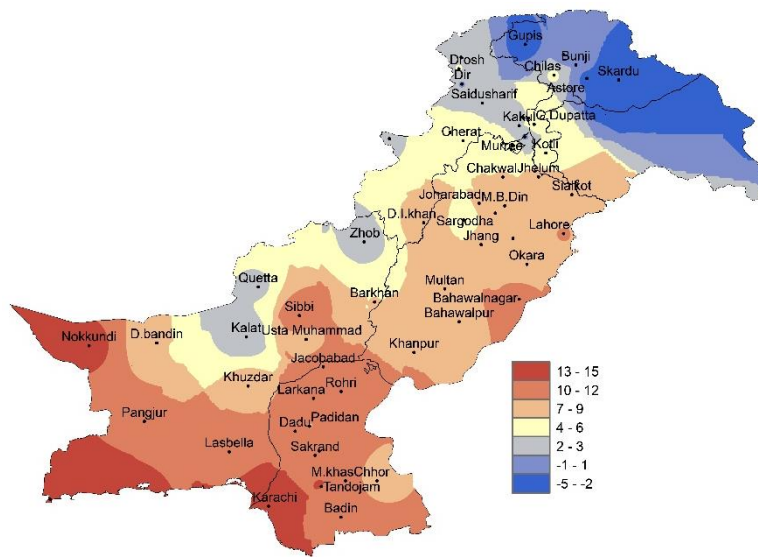


Actual & Departure of Mean temperature (°C) for the Previous week (12th – 18th February 2024)



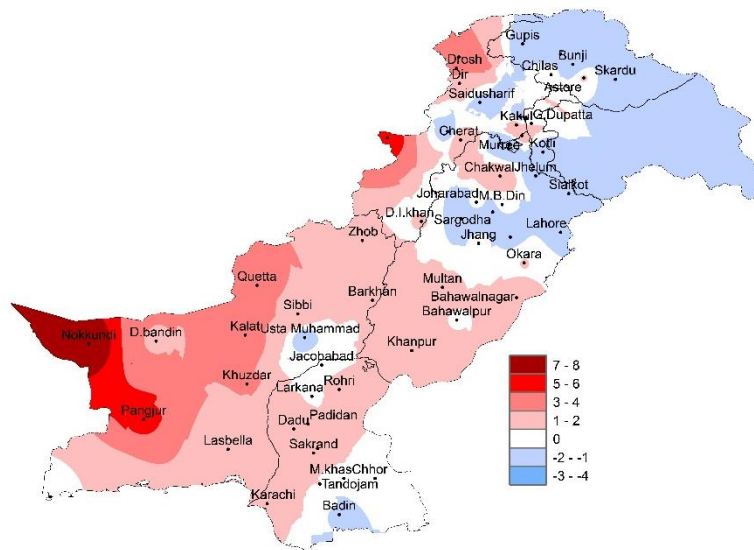
Actual Minimum temperature (°C) during the

Previous week (12th – 18th February 2024)

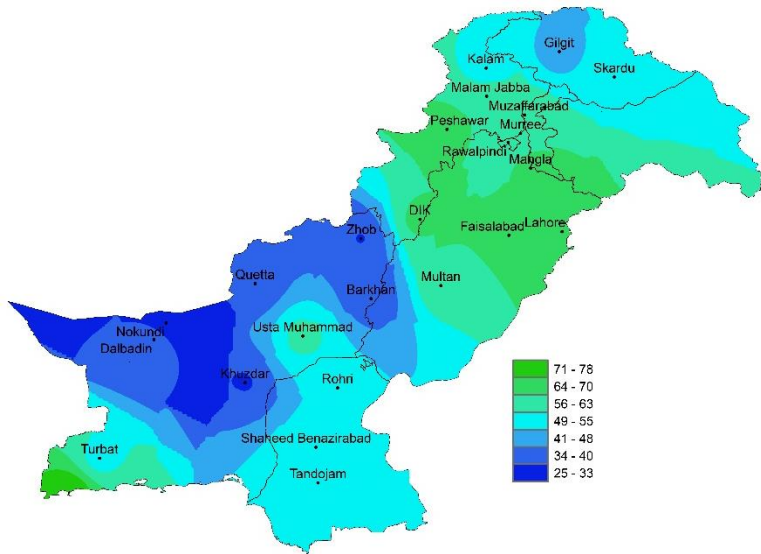


Departure of Minimum temperature (°C) during the

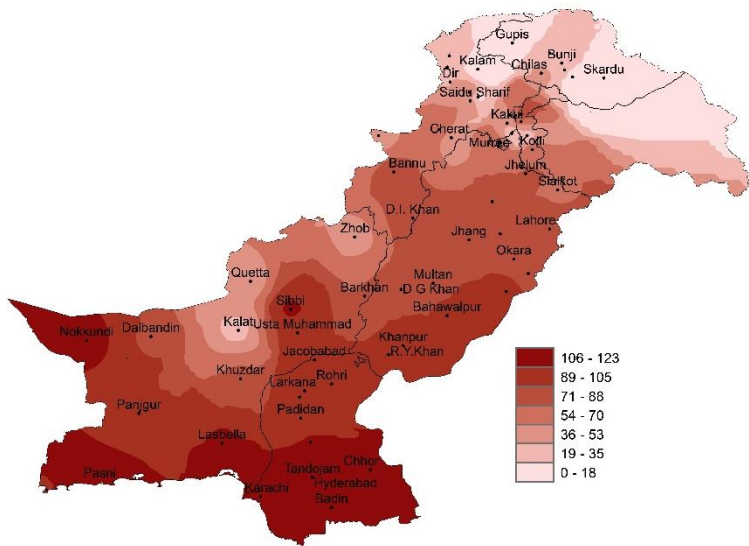
Previous week (12th – 18th February 2024)



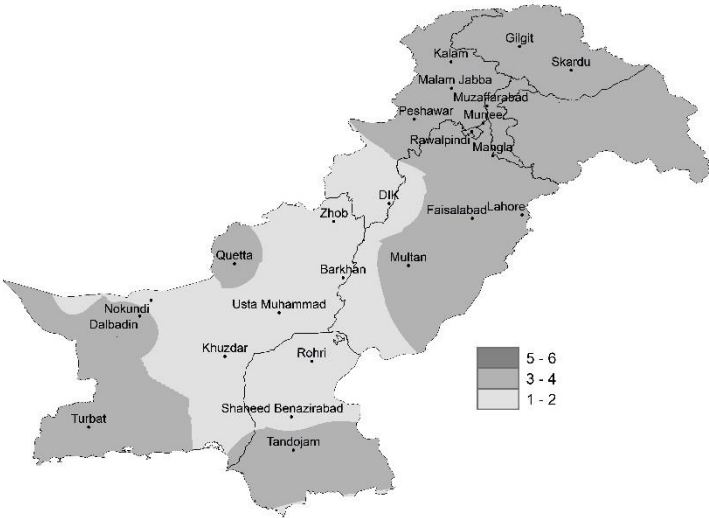
Mean Relative Humidity (%) during the
Previous week (12th – 18th February 2024)



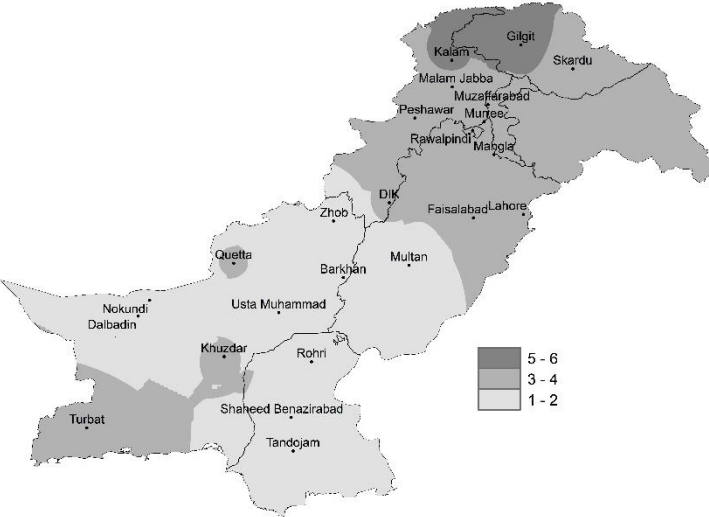
Total Growing Degree Days accumulated during the
Previous week (12th – 18th February 2024)



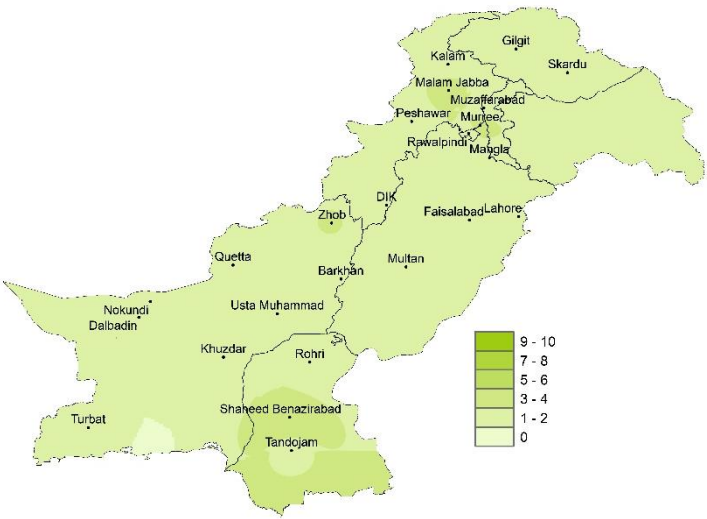
Mean Cloudiness (Octas) at 0800PST during the
Previous week (12th – 18th February 2024)



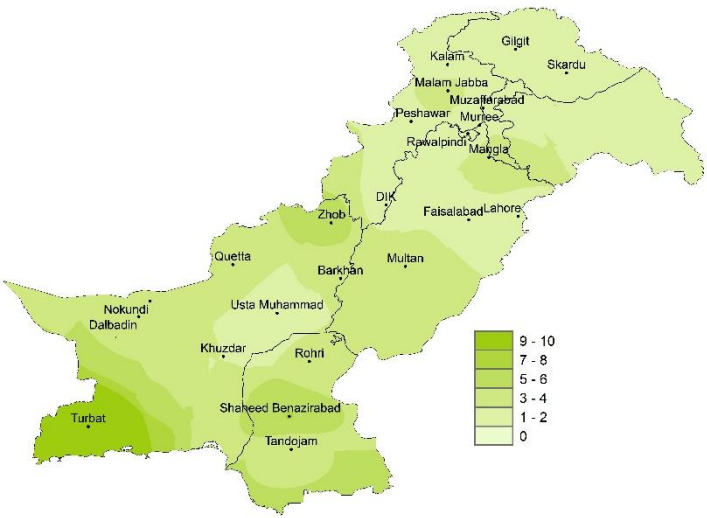
Mean Cloudiness (Octas) at 1700PST during the
Previous week (12th – 18th February 2024)



Mean Wind Speed (Knots) at 0800PST during the
Previous week (12th – 18th February 2024)

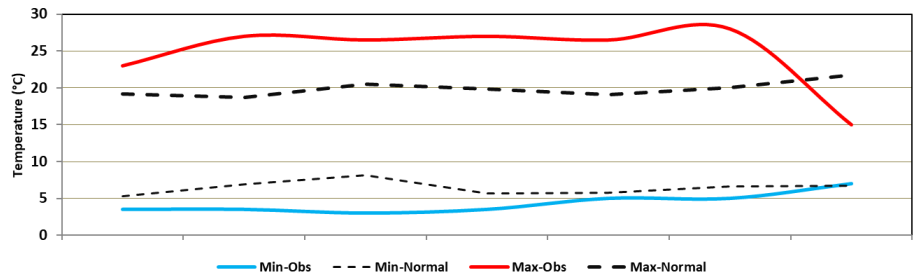


Mean Wind Speed (Knots) at 1700PST during the
Previous week (12th – 18th February 2024)

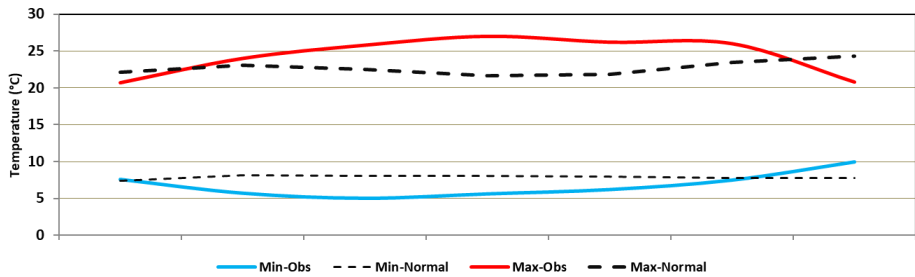


Comparison of temperatures for RAMCs (Minimum & Maximum with normal)
during the previous week (12th – 18th February 2024)

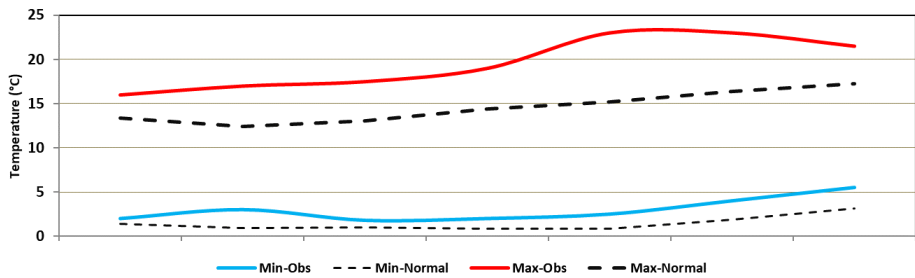
Rawalpindi (Min & Max Temperatures)



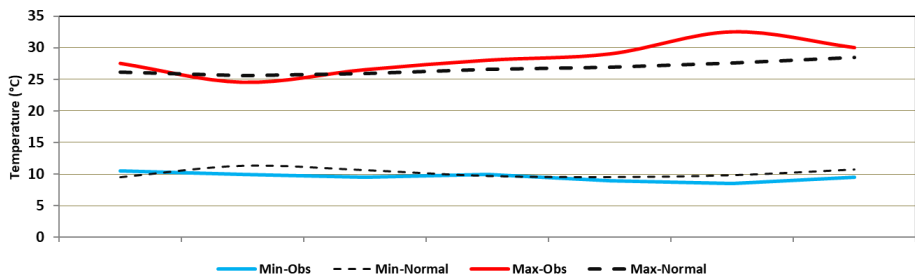
Faisalabad (Min & Max Temperatures)



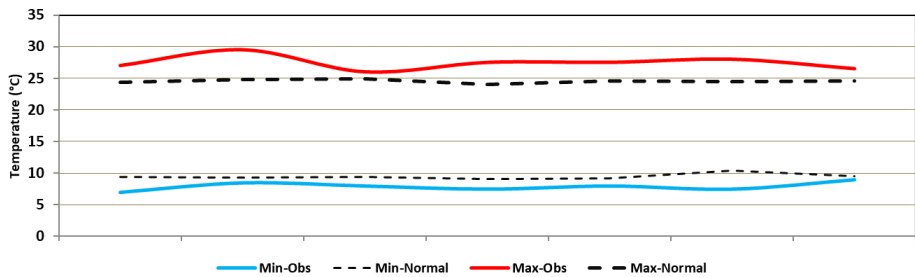
Quetta (Min & Max Temperatures)



Tandojam (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**(19th – 25th February 2024)**

A westerly wave is affecting most upper parts of the country and likely to persist over upper parts till 20th February.

MONDAY**19-02-2024**

More rain wind-thunderstorm (snowfall over hills) is expected in Kashmir, Gilgit-Baltistan, upper Khyber-Pakhtunkhwa, Potohar region, Islamabad, upper Punjab and northern Balochistan while, moderate to heavy rainfall (snowfall over hills) is likely in Kashmir, Gilgit-Baltistan, upper Khyber-Pakhtunkhwa, Murree, Galliyat and Potohar region. Isolated hailstorm is also expected during the forecast period.

TUESDAY**20-02-2024**

More rain wind-thunderstorm (snowfall over hills) is expected in Kashmir, Gilgit-Baltistan, upper Khyber-Pakhtunkhwa, Potohar region, Islamabad, northeast Punjab and northern Balochistan. Isolated hailstorm is also expected during the forecast period.

WEDNESDAY**21-02-2024**

Mainly cold and dry weather is expected in most parts of the country. However partly cloudy weather with chances of rain-wind/thunderstorm (snowfall over mountain) is likely at isolated places in Gilgit Baltistan, upper Khyber Pakhtunkhwa, Kashmir, and adjoining areas.

THURSDAY**22-02-2024**

Mainly cold and dry weather is expected in most parts of the country. However, chances of rain-wind/thunderstorm (snowfall over mountain) are likely in Kashmir and adjoining areas.

FRIDAY**23-02-2024**

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

SATURDAY**24-02-2024**

Mainly cold and dry weather is expected in most parts of the country. However, partly cloudy weather is expected in upper Khyber-Pakhtunkhwa, Gilgit-Baltistan and southwestern parts of Balochistan.

SUNDAY**25-02-2024**

Mainly cold and dry weather is expected in most parts of the country. Rain-wind/thunderstorm is expected in Balochistan, southern parts of Sindh and western parts of Khyber-Pakhtunkhwa.

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (12th – 18th 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	7.9	7.0	80.8	65.7	0.0	1.1	2.1	0.6	0.6
Faisalabad	6.8	5.0	74.1	64.5	1.2	2.3	2.3	0.6	1.2
Gawadar	14.9	14.0	113.8	77.9	16.5	2.0	2.0	0.0	8.9
Gilgit	-1.4	-5.0	21.5	45.5	0.0	3.4	5.0	0.6	1.9
Kalam	-5.4	-8.0	0.0	51.4	54.7	2.3	4.6	0.0	0.7
Khuzdar	8.1	5.0	75.3	32.4	0.0	1.1	2.1	0.0	2.0
Lahore	8.7	8.0	74.8	65.6	0.0	2.3	2.6	0.6	1.7
Malam Jabba	1.9	1.0	5.3	59.1	47.0	2.1	2.7	3.7	3.1
Mangla	5.5	4.4	68.4	66.3	10.0	1.9	2.6	0.6	3.1
Multan (PBO)	8.8	7.0	85.0	58.9	0.0	2.3	1.6	0.0	3.7
Murree	0.1	-0.5	15.0	61.1	30.0	2.0	2.9	4.0	2.0
Muzaffarabad	6.1	4.2	62.5	58.7	36.6	1.9	2.7	0.0	0.0
Sh. Ben. Abad	10.4	9.5	106.8	54.1	0.0	1.4	2.0	3.4	6.6
Peshawar	5.2	4.0	71.7	67.2	42.5	2.0	3.3	0.0	1.7
Quetta	3.0	1.8	43.9	33.0	3.8	1.8	2.1	1.1	3.1
Rawalpindi	4.4	3.0	66.8	56.0	8.4	2.0	2.9	0.2	0.6
Rohri	11.6	10.0	102.8	50.3	0.0	1.4	1.6	0.3	2.6
Skardu	-5.4	-7.9	0.0	51.4	0.0	3.7	2.7	0.0	0.7
Tandojam	9.6	8.5	97.5	55.2	0.0	2.0	1.3	1.5	2.0
U.Muhammad	7.9	7.0	88.8	58.0	0.0	1.1	0.5	0.2	0.8
Zhob	2.1	1.0	45.5	32.6	6.0	1.3	1.4	2.1	5.1

*** Shows that data was not available.