

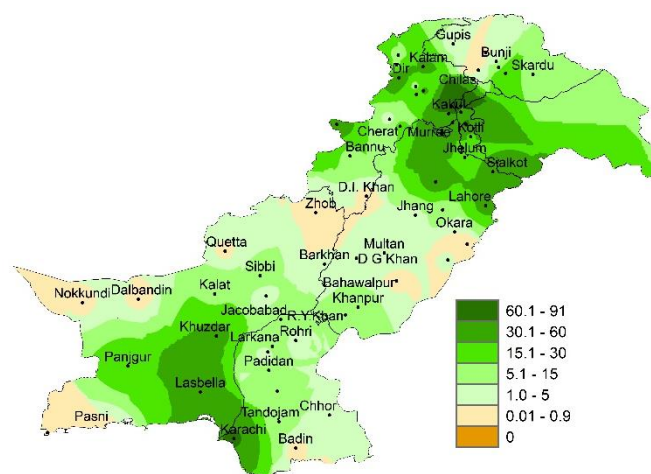
Weekly Weather and Crop Bulletin for Pakistan

**NATIONAL AGROMET CENTRE
PAKISTAN METEOROLOGICAL
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**Rainfall Distribution (mm) during the Previous
Week (29th January – 04th February 2024)**



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Highlights of Past Weather

(29th January – 04th February 2024)

- Light to moderate precipitation was reported from almost all over the country except Upper KP, Potohar Region, Kashmir, and the coastal area of Baluchistan and Sindh where moderate to heavy rainfall was reported.
- Daily maximum temperatures were observed normal to below normal all over the country.
- Daily minimum temperatures were observed normal to slightly above normal almost all over the country whereas above normal in the western part of Baluchistan.
- Normal to below normal mean daily temperatures were observed all over the country whereas above normal in the western part of Baluchistan.

Patron-in-Chief: Mahr Sahibzad Khan (Director General)

Editor-in-Chief: Asma Jawad Hashmi (Director)

Editor: Dr. Tariq Mahmood (Meteorologist)

Past Weather of Provinces**(29th January – 04th February 2024)****Punjab**

Light to moderate precipitation was reported from the Punjab Province except Potohar region where Moderate to heavy rainfall was reported. Weekly maximum and minimum temperatures recorded as 18.8°C & 8.0°C respectively. For the recent week on average 59.6 growing degree days were accumulated. Average relative humidity recorded as 74% and wind speed in the morning/evening recorded as 1.6/2.1 Knots. Highest rainfall was reported as 45.1 mm from Murree, However, lowest minimum temperature was recorded as -3.0°C at Chakwal.

Baluchistan

Light to moderate precipitation was reported from the province except coastal region where Moderate to heavy rainfall was reported. Highest rainfall reported in Quetta during the last week. Weekly maximum and minimum temperatures recorded as 21.3°C & 8.5°C respectively. For the recent week on average 69.1 growing degree days were accumulated. Average relative humidity recorded 51% and wind speed in the morning/evening recorded as 2.7/6.1 Knots. Highest precipitation was reported as 67.7 mm from Quetta. However, lowest minimum temperature was recorded as -4.0°C at Kalat.

Khyber Pakhtunkhwa

Light to moderate precipitation was reported from the KPK except some areas of Upper KP where Moderate to heavy rainfall was reported. Weekly maximum and minimum temperatures recorded as 11.7°C & 2.1°C respectively. For the recent week on average 19.4 growing degree days were accumulated. Average relative humidity recorded as 79% and wind speed in the morning/evening recorded as 0.5/0.7 Knots. Highest precipitation was reported as 60.0 mm from Lower Dir. However, lowest minimum temperature recorded as -13.5 °C at Kalam.

Sindh

Light to moderate precipitation was reported from all over Sindh except coastal areas of Sindh where Moderate to heavy rainfall was reported. Weekly maximum and minimum temperatures recorded as 24.6°C & 12.1°C respectively. For the recent week, on average 93.5 growing degree days were accumulated. Average relative humidity recorded as 72% and wind speed in the morning/evening recorded as 2.0/3.6 Knots. Highest rainfall was reported as 62.8 mm in Karachi during the last week. During the previous week the lowest minimum temperature recorded as 6.0°C at Moin-jo -Daro and Padidan.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light to moderate reported from Gilgit Baltistan while moderate to heavy precipitation was reported from Kashmir. Weekly maximum and minimum temperatures recorded as 9.0°C & 0.0°C respectively. For the recent week on average 9.7 growing degree days were accumulated. Average relative humidity recorded as 71%. and wind speed recorded in the morning/evening as 0.1/1.9. Highest precipitation was reported as 92.9 mm from Muzaffarabad. However, lowest minimum temperature recorded as -6.7°C at Astore.

Past Weather for Major Agricultural Plains**(29th January – 04th February 2024)****Rawalpindi (Potohar region)**

Rainfall reported as 49.2 mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 5.6/4.9 Oktas, average relative humidity observed as 76%. Mean minimum time temperature was recorded as 3.6°C and for the recent week 37.0 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 0.5°C.

Faisalabad (Central Punjab)

Rainfall reported as 10.6 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded 3.1/3.9 Oktas while, average relative humidity observed as 70%. Mean minimum time temperature recorded 9.4°C & for the recent week 68.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.1/1.8 Knots. The lowest minimum temperature was recorded as 8.5°C.

Tandojam (Lower Sindh)

Rainfall reported as 9.0 mm during the week; however, cloudiness in the morning/evening recorded 2.9/3.4 Oktas while, average relative humidity observed as 76%. Mean minimum time temperature recorded as 11.0°C & for the recent week 89.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.9/1.7 Knots. The lowest minimum temperature was recorded as 8.5°C.

Usta Muhammad (Eastern Baluchistan)

Rainfall reported as 2.5 mm during the week; however, cloudiness in the morning/evening recorded as 3.4/3.7 Oktas, average relative humidity observed as 64%. Mean minimum time temperature recorded as 6.7°C & for the recent week 73.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.2/1.4 Knots. The lowest minimum temperature was recorded as 6.5°C.

Quetta (Northern Baluchistan)

Dry weather reported from Quetta during the week; however, cloudiness in the morning/evening recorded as 3.0/4.4 Oktas while, average relative humidity observed as 49%. Mean minimum time temperature recorded as 4.3°C & for the recent

week 29.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.5/3.3 Knots. The lowest minimum temperature was recorded as 1.0°C.

Past Weather for Sub-Regional Agricultural Plains (29th January – 04th February 2024)**Multan**

Rainfall reported as 4.2 mm during the week; however, cloudiness in the morning/evening recorded as 3.6/2.9 Oktas. Average relative humidity observed as 73%. Mean minimum time temperature recorded as 8.6°C & for the recent week 65.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/2.3 Knots.

Lahore

Rainfall reported as 34.5 mm from Lahore during the week; cloudiness in the morning/evening recorded as 4.7/3.9 Oktas, average relative humidity observed as 74%. Mean minimum time temperature recorded as 8.6°C & for the recent week 57.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.6/1.4 Knots.

Zhob

Dry weather reported from Zhob during the week; however, cloudiness in the morning/evening recorded as 1.6/3.1 Oktas. Average relative humidity observed as 37%. Mean minimum time temperature recorded as -1.6°C & for the recent week 2.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 4.3/6.4 Knots.

Murree

Precipitation reported as 41.7mm from Murree during the week; however, cloudiness in the morning/evening recorded as 6.0/6.3 Oktas while, average relative humidity observed as 76%. Mean minimum time temperature recorded as -1.8°C & for the recent week 00 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.3/2.6 Knots.

D.I. Khan

Dry weather reported from D.I. Khan during the week; cloudiness in the morning/evening recorded as 6.2/2.9 Oktas while, average relative humidity observed as 76%. Mean minimum time temperature

recorded as 9.4°C & for the recent week 68.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.6/0.6 Knots.

Peshawar

Rainfall reported as 2.2 mm from Peshawar during the week; however, cloudiness in the morning/evening recorded as 6.0/4.6 Oktas while, average relative humidity observed as 74%. Mean minimum time temperature was recorded as 6.1°C & for the recent week 46.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/1.1 Knots.

Kalam

Precipitation reported as 33.6 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 6.3/6.6 Oktas while, average relative humidity observed as 68%. Mean minimum time temperature recorded as -8.5°C. Wind speed recorded in the morning/evening as 0.0/1.1 Knots.

Gilgit

Dry weather reported from Gilgit during the week, cloudiness in the morning/evening recorded as 6.3/6.4 Oktas while, average relative humidity observed as 60%. Mean minimum time temperature recorded as -0.1°C & for the recent week 3.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/2.0 Knots.

Skardu

Precipitation reported as 5.0 mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 7.0/7.1 Oktas while, average relative humidity observed as 68%. Mean minimum time temperature recorded as -3.3°C. Wind speed recorded in the morning/evening as 0.0/1.1 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)

Wheat crop is sown in the fields. Date of sowing 21-11-2023. Phonological Stage: Shooting Completed. Condition: *Very good*.

Lower Sindh (Tandojam)

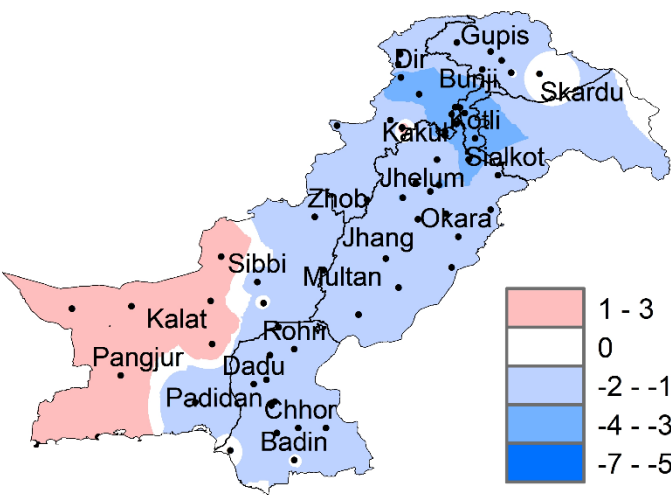
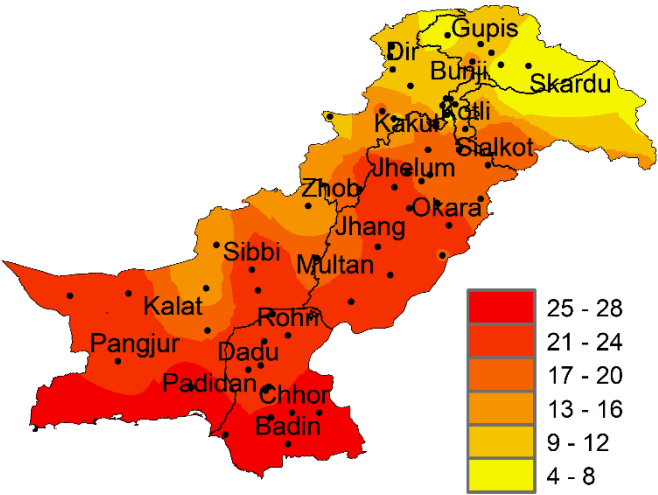
Wheat crop is sown in the fields. Date of sowing 26-11-2023. Variety:TJ83. Phonological Stage: Heading started. Condition: Not Good.

Northern Baluchistan (Quetta)

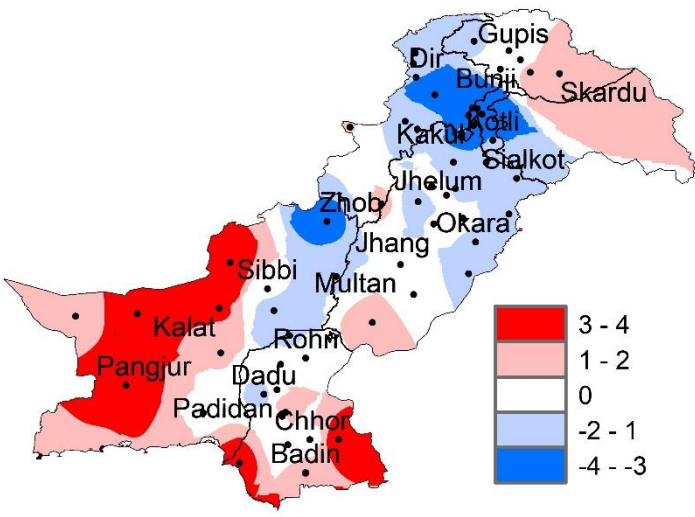
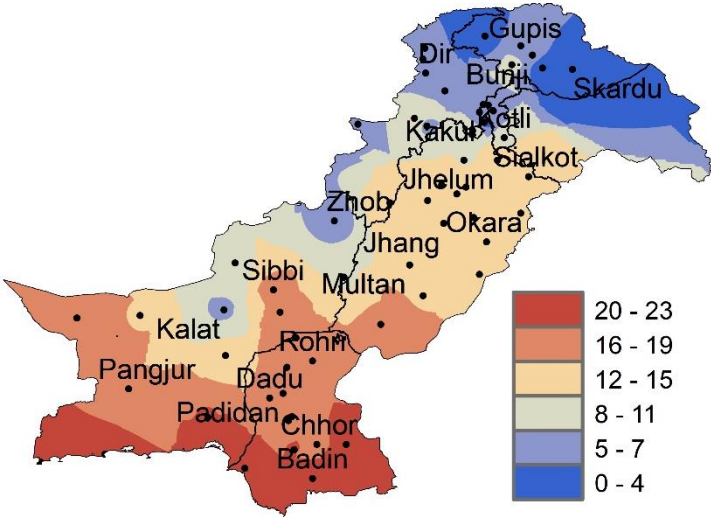
Wheat crop is sown in the fields of RAMC Quetta. Date of sowing 22-11-2023. Phonological Stage: Tillering. Condition: *Good*

Eastern Baluchistan (Usta Muhammad) Rice crops are grown in the fields. Phonological Stage: 3rd leaf. Condition: *Good*.

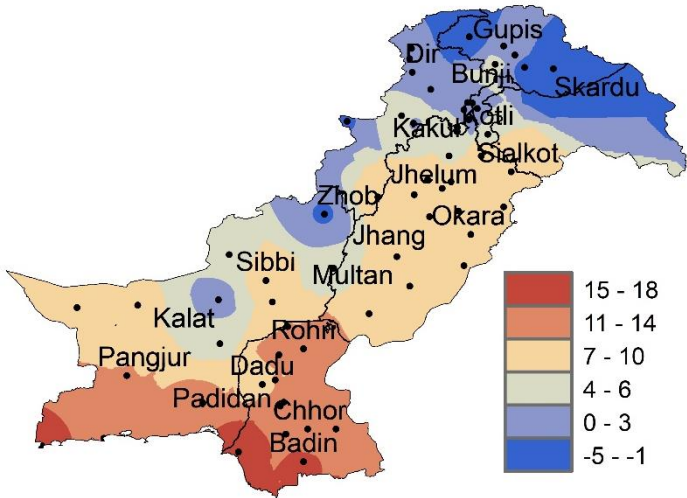
Actual & Departure of Maximum temperature (°C) for the Previous week (29th January – 04th February 2024)



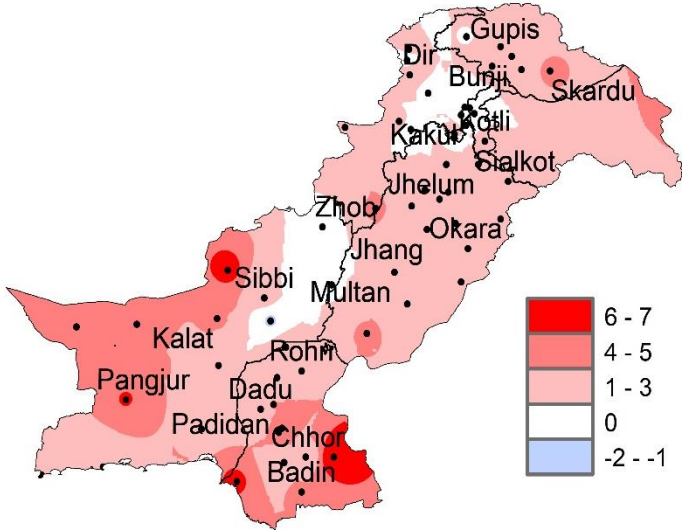
Actual & Departure of Mean temperature (°C) for the Previous week (29th January – 04th February 2024)



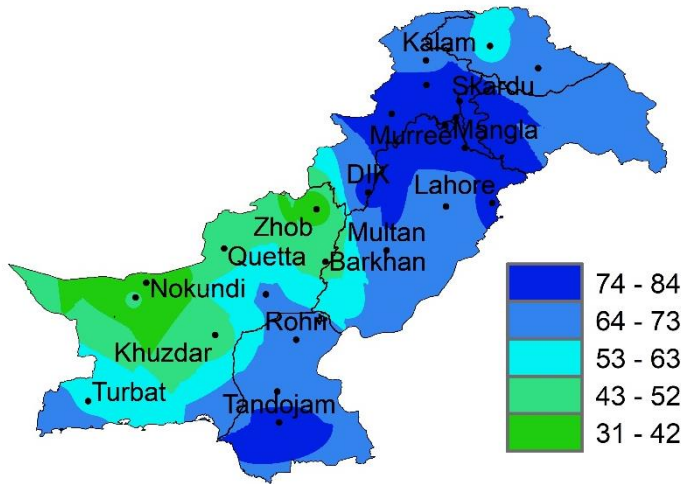
Actual Minimum temperature (°C) during the
Previous week (29th January – 04th February



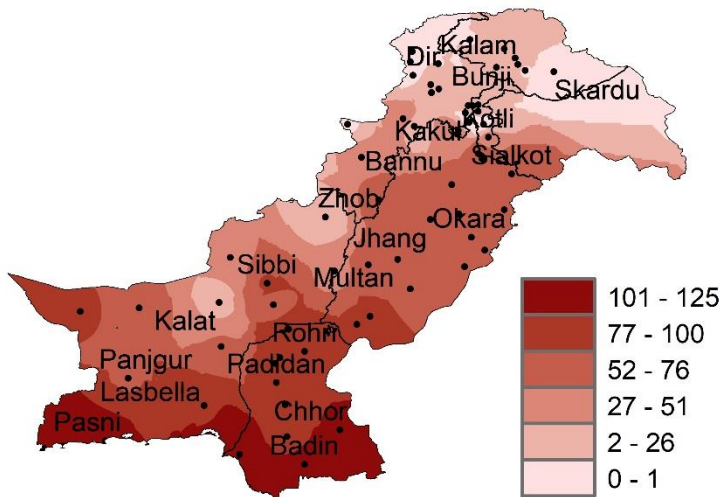
Departure of Minimum temperature (°C) during the
Previous week (29th January – 04th February 2024)



Mean Relative Humidity (%) during the
Previous week (29th January – 04th February 2024)



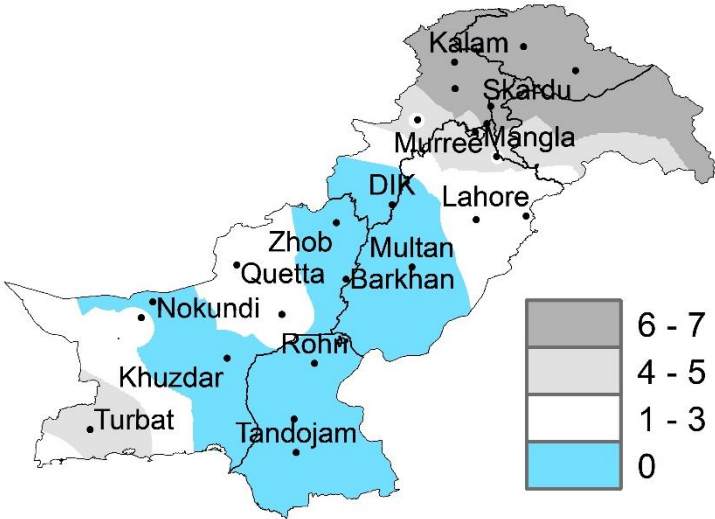
Total Growing Degree Days accumulated during the
Previous week (29th January – 04th February 2024)



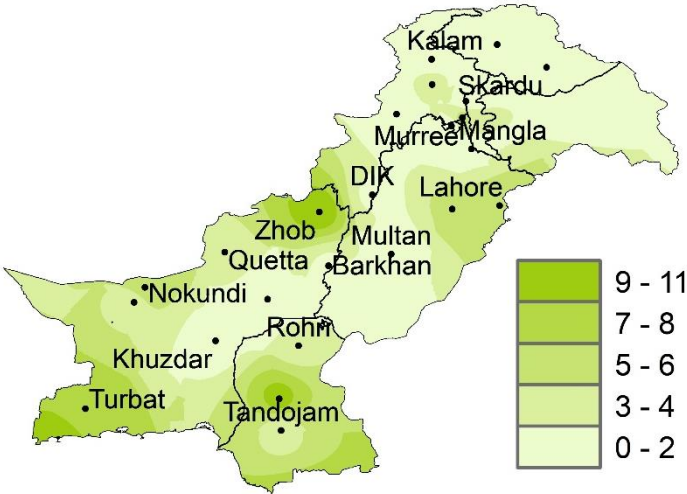
Mean Cloudiness (Octas) at 0800PST during the
Previous week (29th January – 04th February 2024)



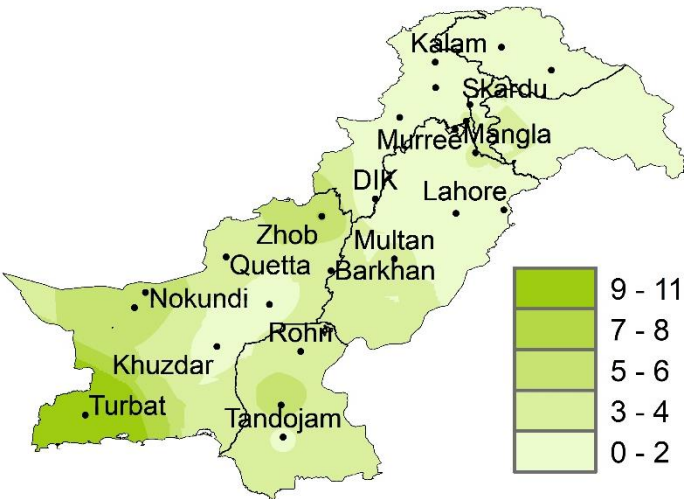
Mean Cloudiness (Octas) at 1700PST during the
Previous week (29th January – 04th February 2024)



Mean Wind Speed (Knots) at 0800PST during the
Previous week (29th January – 04th February 2024)

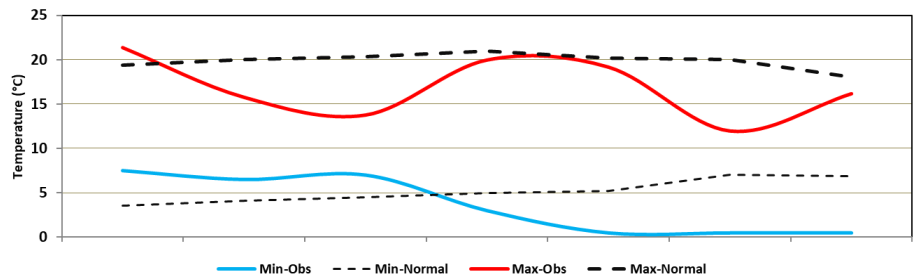


Mean Wind Speed (Knots) at 1700PST during the
Previous week (29th January – 04th February 2024)

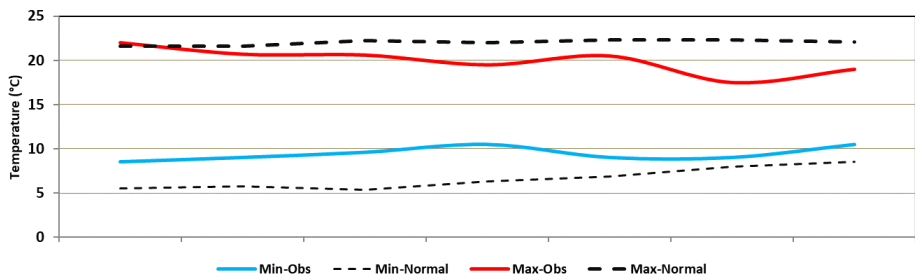


Comparison of temperatures for RAMCs (Minimum & Maximum with normal)
during the previous week (29th January – 04th February 2024)

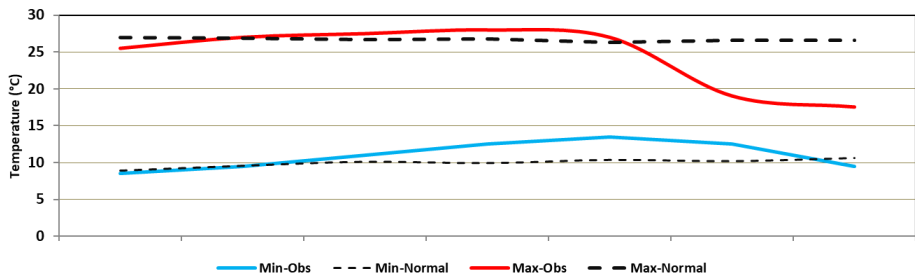
Rawalpindi (Min & Max Temperatures)



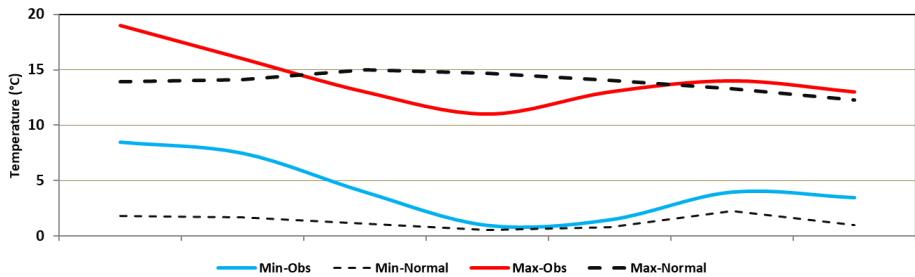
Faisalabad (Min & Max Temperatures)



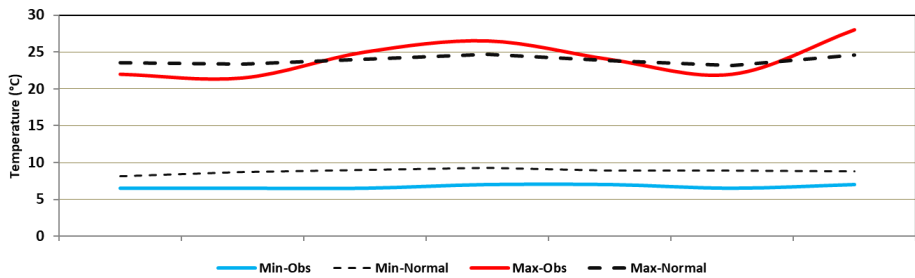
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**(05th – 11th February 2024)**

Continental air is prevailing over most parts of country. However, a shallow westerly wave is likely to affect north-eastern parts of Baluchistan and southern Punjab in next 24 hours.

MONDAY**05-02-2024**

Mainly cold and dry weather is expected in most parts of the country. However, rain wind-thunderstorm (snowfall over mountain) is expected at isolated places in northeast Baluchistan and southern Punjab during evening/night.

TUESDAY**06-02-2024**

Mainly cold and dry weather is expected in most parts of the country while, partly cloudy in Kashmir and Upper Khyber-Pakhtunkhwa. Shallow fog is likely to persist at isolated places in plain areas of Punjab during morning hours.

WEDNESDAY**07-02-2024**

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

THURSDAY**08-02-2024**

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

FRIDAY**09-02-2024**

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

SATURDAY**10-02-2024**

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

SUNDAY**11-02-2024**

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 (29th January – 04th 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 | 9.4 | 8.5 | 68.5 | 76.4 | 0.0 | 6.2 | 2.9 | 0.6 | 0.6 |
| Faisalabad | 9.4 | 8.5 | 68.0 | 70.0 | 10.6 | 3.1 | 3.9 | 2.1 | 1.8 |
| Gawadar | 17.3 | 15.0 | 125.3 | 66.7 | 0.0 | 6.0 | 4.3 | 3.7 | 10.6 |
| Gilgit | -0.1 | -2.5 | 3.7 | 59.7 | 0.0 | 6.3 | 6.4 | 0.0 | 2.0 |
| Kalam | -8.5 | -13.5 | 0.0 | 67.9 | 33.6 | 6.3 | 6.6 | 0.0 | 1.1 |
| Khuzdar | 5.4 | 4.0 | 53.8 | 48.8 | 34.3 | 2.9 | 3.1 | 0.0 | 1.4 |
| Lahore | 8.6 | 7.0 | 57.9 | 74.3 | 34.5 | 4.7 | 3.9 | 2.6 | 1.4 |
| Malam Jabba | -4.0 | -7.0 | 0.0 | 78.4 | 34.0 | 5.4 | 7.1 | 1.4 | 0.0 |
| Mangla | 7.6 | 3.8 | 56.0 | 74.3 | 29.2 | 5.7 | 4.6 | 0.3 | 2.3 |
| Multan (PBO) | 8.6 | 7.3 | 65.8 | 72.8 | 4.2 | 3.6 | 2.9 | 0.0 | 2.3 |
| Murree | -1.8 | -3.0 | 0.0 | 76.2 | 41.7 | 6.0 | 6.3 | 2.3 | 2.6 |
| Muzaffarabad | 2.2 | -0.9 | 11.8 | 83.9 | 92.9 | 6.3 | 6.4 | 0.0 | 2.0 |
| Sh. Ben. Abad | 11.9 | 9.6 | 92.1 | 70.2 | 6.0 | 2.0 | 2.1 | 4.0 | 5.1 |
| Peshawar | 6.1 | 2.5 | 46.4 | 74.1 | 2.2 | 6.0 | 4.6 | 0.0 | 1.1 |
| Quetta | 4.3 | 1.0 | 29.5 | 49.0 | 11.0 | 3.0 | 4.4 | 1.5 | 3.3 |
| Rawalpindi | 3.6 | 0.5 | 37.0 | 76.5 | 49.2 | 5.6 | 4.9 | 0.3 | 0.6 |
| Rohri | 11.5 | 9.5 | 83.0 | 68.5 | 3.0 | 4.4 | 3.1 | 1.1 | 4.0 |
| Skardu | -3.3 | -4.7 | 0.0 | 67.9 | 5.0 | 7.0 | 7.1 | 0.0 | 1.1 |
| Tandojam | 11.0 | 8.5 | 89.3 | 76.5 | 9.0 | 2.9 | 3.4 | 0.9 | 1.7 |
| U.Muhammad | 6.7 | 6.5 | 73.0 | 63.5 | 2.5 | 3.4 | 3.7 | 0.2 | 1.4 |
| Zhob | -1.6 | -4.0 | 2.3 | 37.4 | 0.0 | 1.6 | 3.1 | 4.3 | 6.4 |

*** Shows that data was not available.