

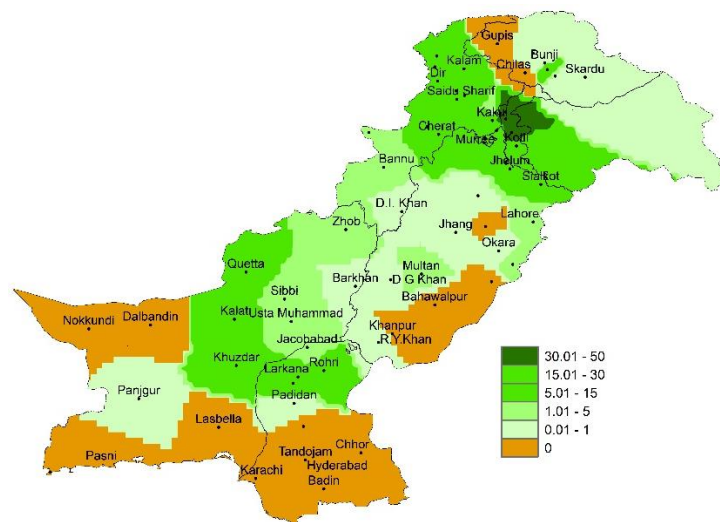
Weekly Weather and Crop Bulletin for Pakistan

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Rainfall Distribution (mm) during the Previous Week (11th – 17th March 2024)



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Highlights of Past Weather (11th – 17th March 2024)

- Light rain was reported from most parts of the country during the past week. While dry weather was reported from some isolated places of southern parts of Sindh, Baluchistan, and Punjab.
- Daily maximum temperatures were observed normal to above normal in Punjab KP, GB/Kashmir whereas normal to below normal in Sindh and Baluchistan.
- Daily minimum temperatures were observed from normal to below normal in most parts of the country.
- Normal to below normal mean daily temperatures were observed in most parts of the country whereas above normal in scattered places of country.

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

Editor: Dr. Tariq Mahmood (Meteorologist)

Past Weather of Provinces **(11th – 17th March 2024)**

Punjab

Light to moderate rainfall was reported from Punjab Province. Weekly maximum and minimum temperatures recorded as 27.3°C & 12.4°C respectively. For the recent week on average 103.8 growing degree days were accumulated. Average relative humidity recorded as 57% and wind speed in the morning/evening recorded as 0.9/2.9 Knots. Highest rainfall was reported as 19.0 mm from Muree. However, lowest minimum temperature was recorded as -2.0°C at Murree.

Baluchistan

Light to moderate rainfall was reported from the province. Highest rainfall reported in Gawadar during the last week. Weekly maximum and minimum temperatures recorded as 25.2°C & 9.8°C respectively. For the recent week on average 87.2 growing degree days were accumulated. Average relative humidity recorded 52% and wind speed in the morning/evening recorded as 1.3/5.5 Knots. Highest rainfall was reported as 20.0 mm from Samungli. However, lowest minimum temperature was recorded as -2.0°C at Kalat.

Khyber Pakhtunkhwa

Light to moderate rainfall was reported from Khyber Pakhtunkhwa. Weekly maximum and minimum temperatures recorded as 20.6°C & 6.1°C respectively. For the recent week on average 57.3 growing degree days were accumulated. Average relative humidity recorded as 62% and wind speed in the morning/evening recorded as 1.1/1.9 Knots. Highest rainfall was reported as 33.0 mm from Pattan. However, lowest minimum temperature recorded as -7.0 °C at Kalam.

Sindh

Light to moderate rainfall was reported from Sindh. Weekly maximum and minimum temperatures recorded as 32.3°C & 15.6°C respectively. For the recent week, on average 132.9 growing degree days were accumulated. Average relative humidity

recorded as 48% and wind speed in the morning/evening recorded as 2.7/4.3 Knots. Highest rainfall was reported as 17.0 mm in Moin – jo – Daro during the last week. During the previous week the lowest minimum temperature recorded as 11°C at Moin – jo – Daro.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light to moderate rainfall was reported from Gilgit Baltistan and Kashmir. Weekly maximum and minimum temperatures recorded as 18.0°C & 4.6°C respectively. For the recent week on average 44.1 growing degree days were accumulated. Average relative humidity recorded as 53%. and wind speed recorded in the morning/evening as 0.2/2.1. Highest rainfall was reported as 47.0 mm from Garhi Dopatta. However, lowest minimum temperature recorded as -2.0°C at Astore.

Past Weather for Major Agricultural Plains**(11th – 17th March 2024)****Rawalpindi (Potohar region)**

Dry weather reported from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 13.6/1.9 Oktas, average relative humidity observed as 64%. Mean minimum time temperature was recorded as 8.6°C and for the recent week 85.6 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.9/2.0 Knots. The lowest minimum temperature was recorded as 6.5°C.

Faisalabad (Central Punjab)

Rainfall reported as 0.0 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded 3.1/3.4 Oktas while, average relative humidity observed as 64%. Mean minimum time temperature recorded 12.9°C & for the recent week 107.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.9/1.6 Knots. The lowest minimum temperature was recorded as 10.5°C.

Tandojam (Lower Sindh)

Dry weather reported during the week; however, cloudiness in the morning/evening recorded 0.0/0.7 Oktas while, average relative humidity observed as 50%. Mean minimum time temperature recorded as 13.2°C & for the recent week 126.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.2/1.5 Knots. The lowest minimum temperature was recorded as 11.5°C.

Usta Muhammad (Eastern Baluchistan)

Dry weather reported during the week; however, cloudiness in the morning/evening recorded as 2.1/0.0. Average relative humidity observed as 57%. Mean minimum time temperature recorded as 9.8°C & for the recent week 97.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/1.4 Knots. The lowest minimum temperature was recorded as 9.0°C.

Quetta (Northern Baluchistan)

Rainfall reported as 6.5 mm from Quetta during the week; however, cloudiness in the morning/evening recorded as 2.1/3.2 Oktas while, average relative humidity observed as 53%. Mean minimum time temperature recorded as 4.1°C. Wind speed recorded in the morning/evening as 1.7/3.5 Knots.

The lowest minimum temperature was recorded as - 2.5°C.

Past Weather for Sub-Regional Agricultural Plains (11th – 17th March 2024)**Multan**

Dry weather reported during the week; however, cloudiness in the morning/evening recorded as 1.9/1.4 Oktas. Average relative humidity observed as 55%. Mean minimum time temperature recorded as 14.3°C & for the recent week 114.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.6/4.6 Knots.

Lahore

Rainfall reported 2.0 mm from Lahore during the week; cloudiness in the morning/evening recorded as 2.9/2.1 Oktas, average relative humidity observed as 57%. Mean minimum time temperature recorded as 13.1°C & for the recent week 102.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/2.3 Knots.

Zhob

Rainfall reported as 5.0 mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 0.9/2.4 Oktas. Average relative humidity observed as 42.4%. Mean minimum time temperature recorded as 6.7°C & for the recent week 63.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.9/5.9 Knots.

Murree

Rainfall reported as 19.0 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 3.0/4.6 Oktas while, average relative humidity observed as 57.4%. Mean minimum time temperature recorded as 3.1°C & for the recent week 26 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/1.7 Knots.

D.I. Khan

Dry weather reported from D.I. Khan during the week; cloudiness in the morning/evening recorded as 1.7/1.0. Average relative humidity observed as 56%. Mean minimum time temperature recorded as 14.4°C & for the recent week 116.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.9/0.9 Knots.

Peshawar

Rainfall reported as 5.2 mm from Peshawar during the week; however, cloudiness in the morning/evening recorded as 3.7/3.9 Oktas while, average relative humidity observed as 59%. Mean minimum time temperature was recorded as 10.7°C & for the recent week 94.1 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.6/2.0 Knots.

Kalam

Rainfall reported as 15.0 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 2.1/3.6 Oktas while, average relative humidity observed as 50%. Mean minimum time temperature recorded as -4.7°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 4.1/4.7 Oktas while, average relative humidity observed as 45%. Mean minimum time temperature recorded as 5.5°C & for the recent week 52.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.9/2.9 Knots.

Skardu

Dry weather reported from Skardu during the week; however, cloudiness in the morning/evening recorded as 4.3/3.0 Oktas while, average relative humidity observed as 50%. Mean minimum time temperature recorded as 0.4°C & for the recent week 9.2 growing degree days accumulated. 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)

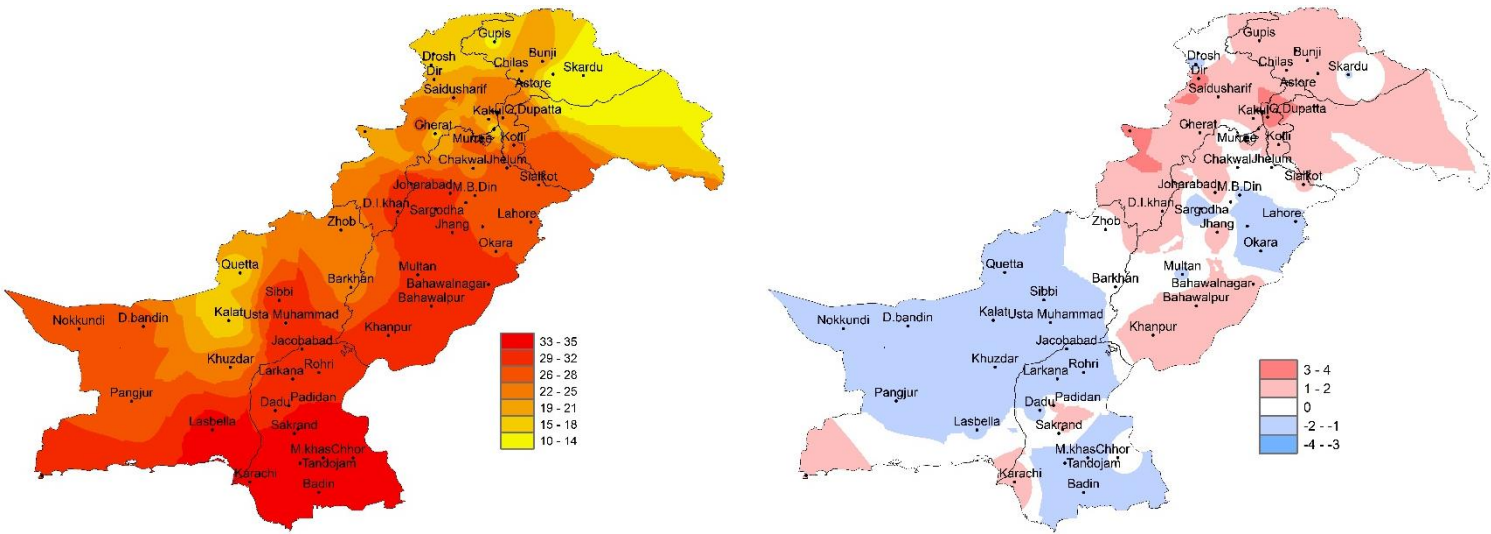
Wheat crop is sown in the fields. Date of sowing 26-11-2023. Variety:TJ83. Phonological Stage: Flowering/Grain Formation. Condition: Good.

Northern Baluchistan (Quetta)

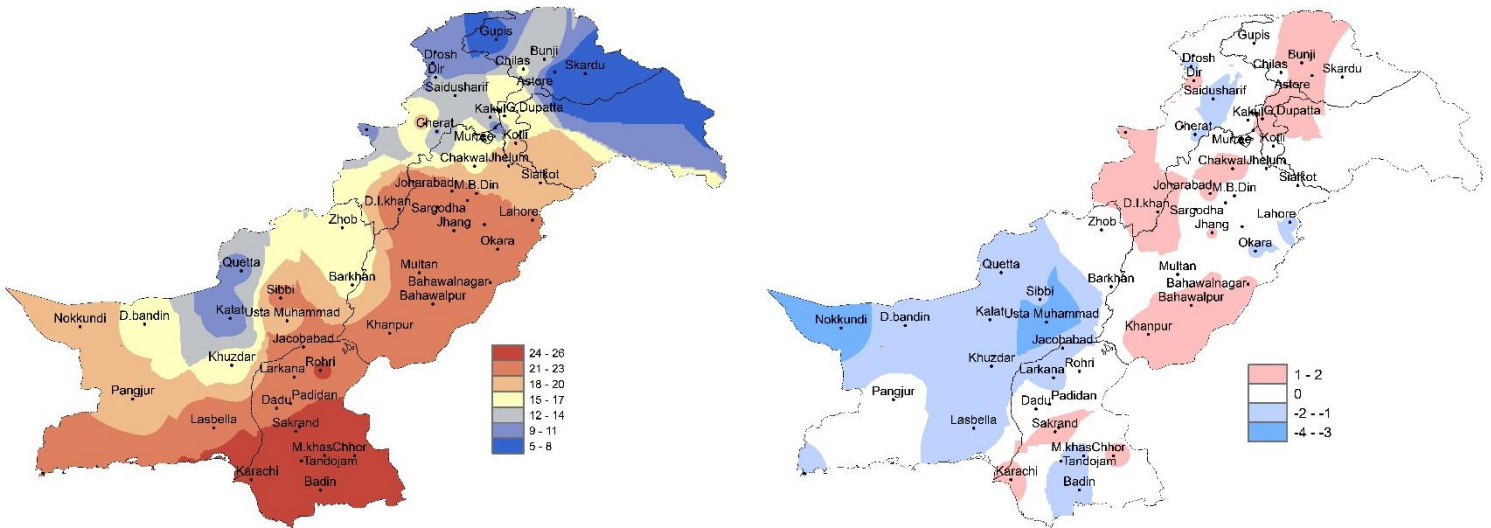
Wheat crop is sown in the fields of RAMC Quetta. Date of sowing 22-11-2023. Phonological Stage: Tillering. Condition: *Good*

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

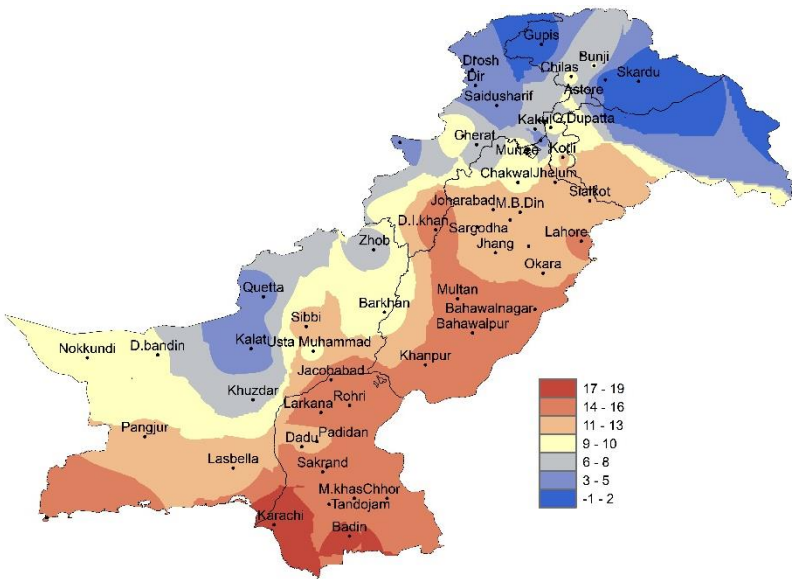
Actual & Departure of Maximum temperature (°C) for the Previous week (11th – 17th March 2024)



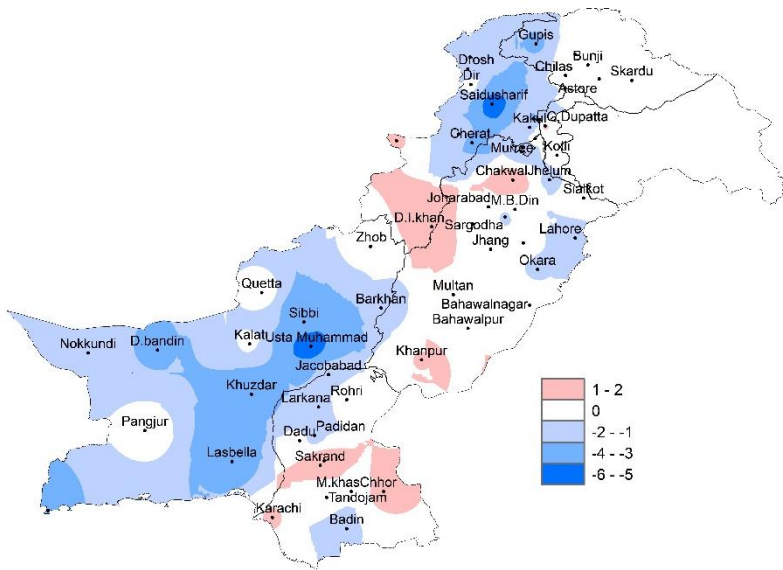
Actual & Departure of Mean temperature (°C) for the Previous week (11th – 17th March 2024)



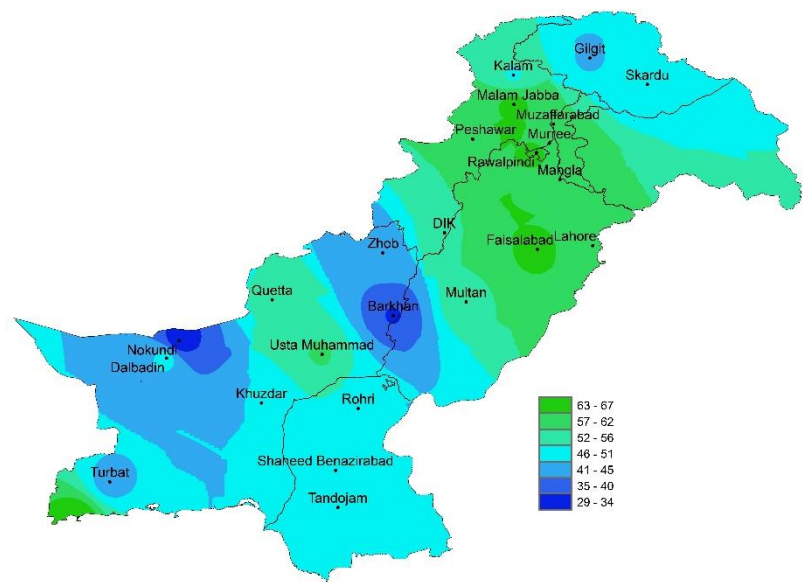
Actual Minimum temperature (°C) during the
Previous week (11th – 17th March 2024)



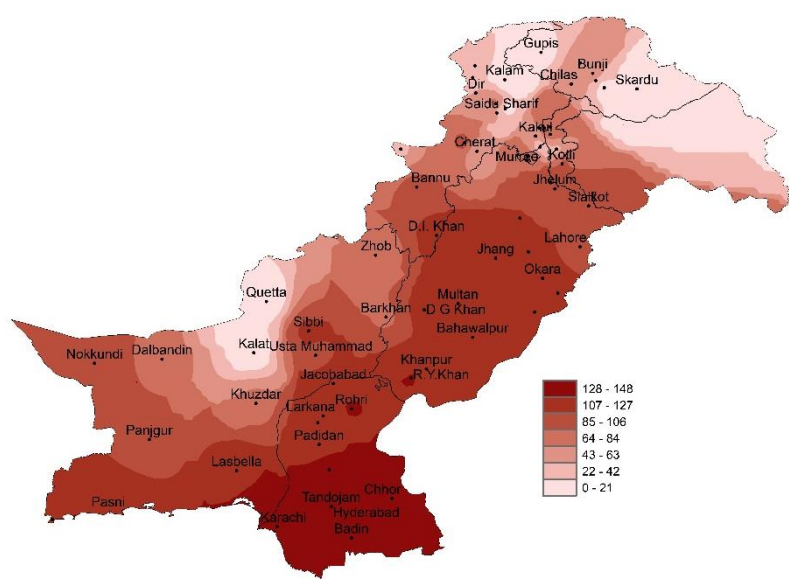
Departure of Minimum temperature (°C) during the
Previous week (11th – 17th March 2024), 2023)



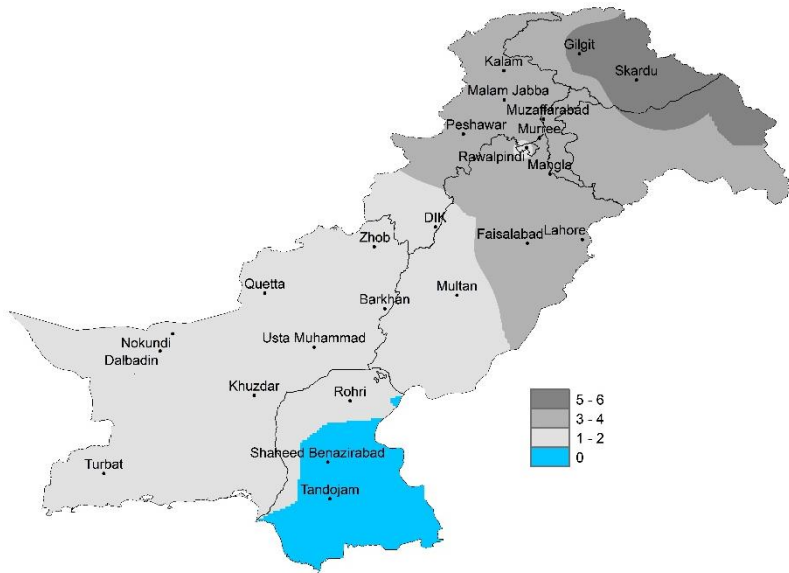
Mean Relative Humidity (%) during the
Previous week (11th – 17th March 2024)



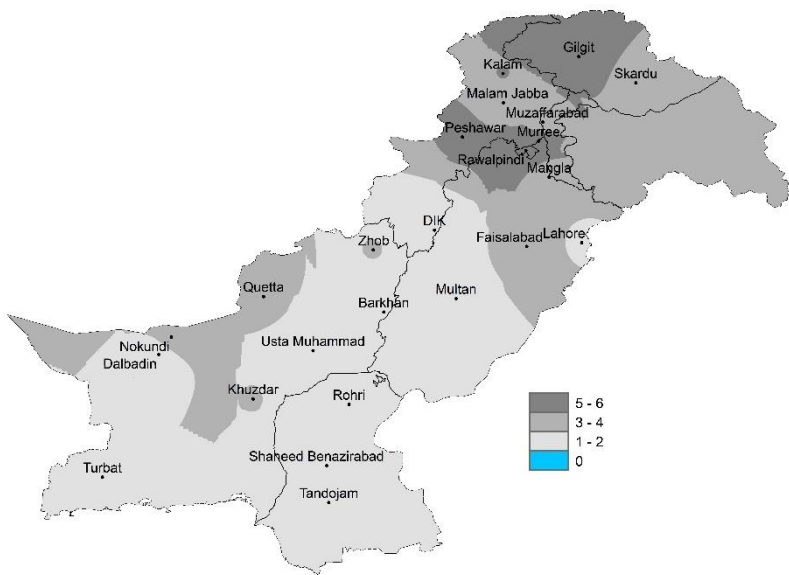
Total Growing Degree Days accumulated during the
Previous week (11th – 17th March 2024)



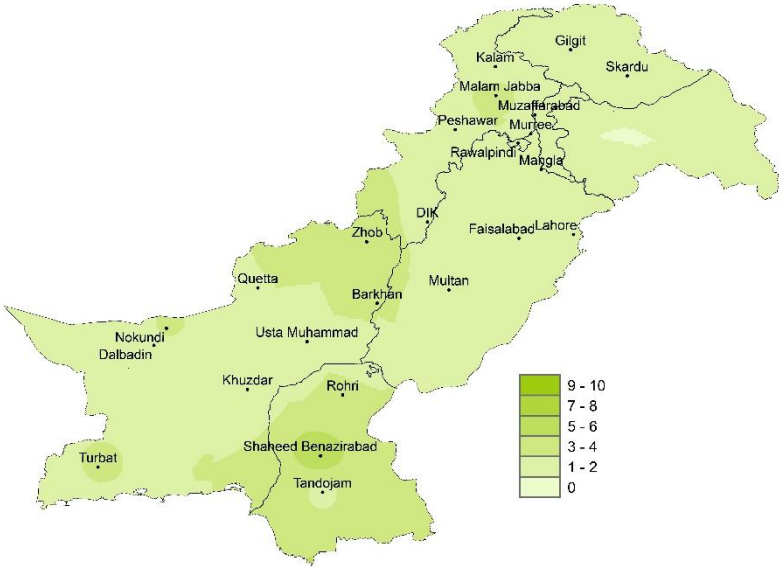
Mean Cloudiness (Octas) at 0800PST during the
Previous week (11th – 17th March 2024)



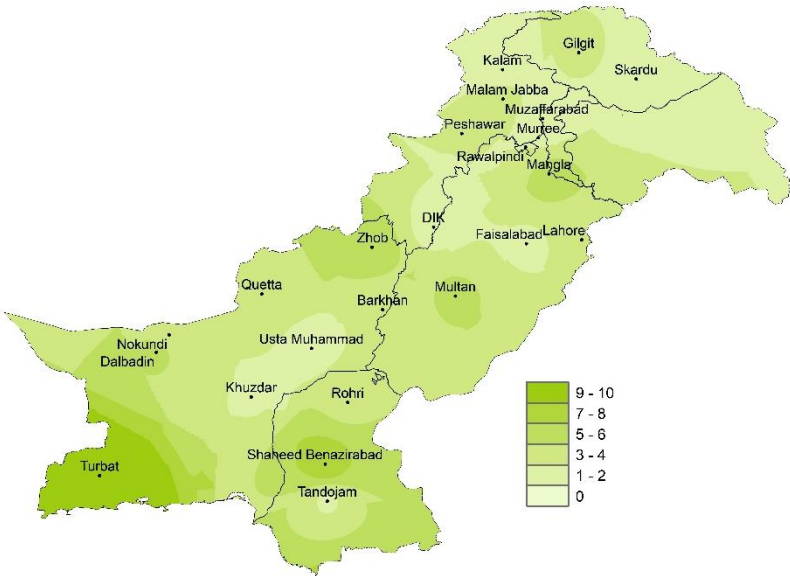
Mean Cloudiness (Octas) at 1700PST during the
Previous week (11th – 17th March 2024)



Mean Wind Speed (Knots) at 0800PST during the
Previous week (11th – 17th March 2024)

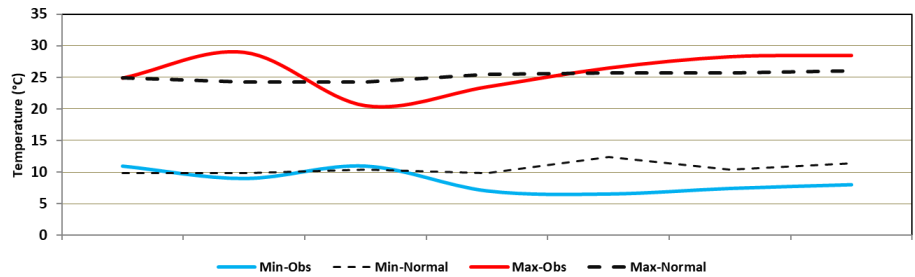


Mean Wind Speed (Knots) at 1700PST during the
Previous week (11th – 17th March 2024)

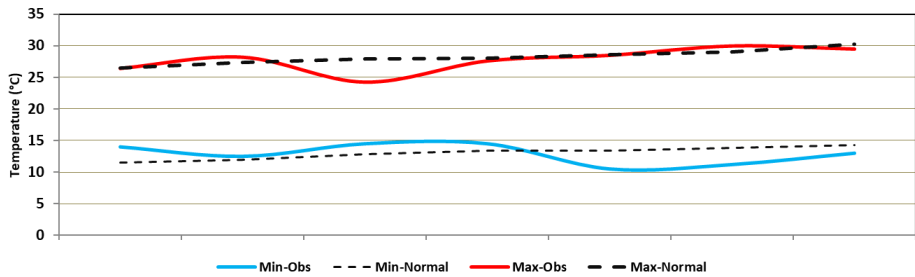


Comparison of temperatures for RAMCs (Minimum & Maximum with normal)
during the previous week (11th – 17th March 2024)

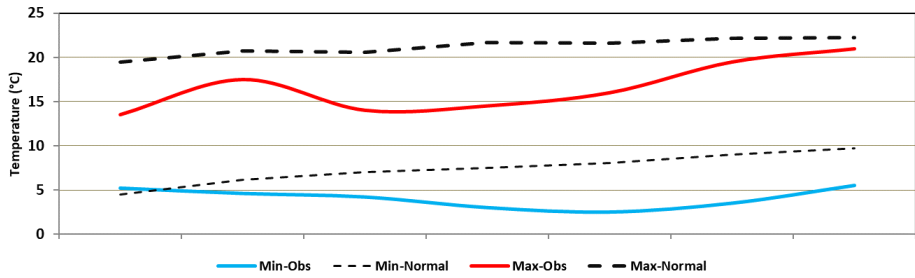
Rawalpindi (Min & Max Temperatures)



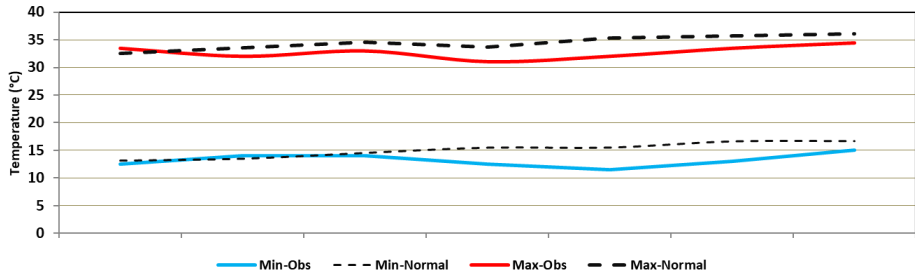
Faisalabad (Min & Max Temperatures)



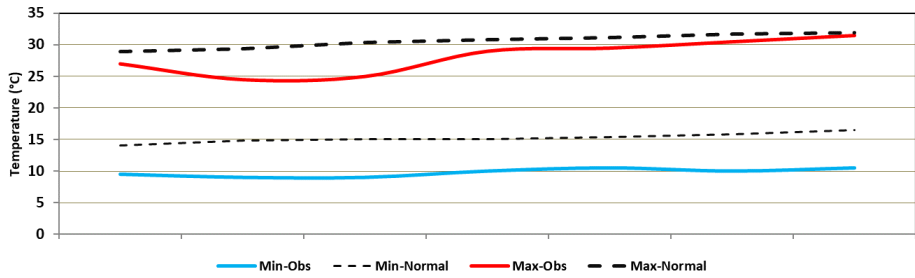
Quetta (Min & Max Temperatures)



Tandojam (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**(18th – 24th March 2024)**

Continental air is prevailing over most parts of the country.

MONDAY**18-03-2024**

Mainly dry weather is expected in most parts of the country, while partly cloudy weather in Gilgit-Baltistan and Kashmir during daytime.

TUESDAY**19-02-2024**

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

WEDNESDAY**20-02-2024**

Mainly dry weather is expected in most parts of the country, while partly cloudy in Khyber Pakhtunkhwa, Punjab, Gilgit-Baltistan and Kashmir.

THURSDAY**21-02-2024**

Mainly dry weather is expected in most parts of the country, However, rain-wind/thunderstorm at isolated places is expected in Khyber Pakhtunkhwa, Gilgit-Baltistan, Kashmir, Pothohar region, Chaman, Zhob and Ziarat.

FRIDAY**22-03-2024**

Mainly dry weather is expected in most parts of the country, However, rain-wind/thunderstorm at isolated places is expected in upper Khyber Pakhtunkhwa, Gilgit-Baltistan, Kashmir and Potohar region.

SATURDAY**23-03-2024**

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

SUNDAY**24-04-2024**

Mainly dry weather is expected in most parts of the country. However partly cloudy weather with chances of light rain-wind/thunderstorm is likely at isolated places in upper Khyber Pakhtunkhwa, Kashmir and Gilgit-Baltistan.

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (04th – 10th 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	14.4	13.0	116.3	56.1	0.0	1.7	1.0	0.9	0.9
Faisalabad	12.9	10.5	107.3	63.5	0.0	3.1	3.4	0.9	1.6
Gawadar	16.2	15.5	125.0	67.5	0.0	0.0	0.4	0.0	8.9
Gilgit	5.5	3.5	52.8	44.5	0.0	4.1	4.7	0.9	2.9
Kalam	-4.7	-7.0	0.0	49.9	15.0	2.1	3.6	0.0	0.0
Khuzdar	7.1	1.0	72.5	45.6	6.6	1.0	2.4	0.0	1.7
Lahore	13.1	12.2	102.8	56.8	2.0	2.9	2.1	0.3	2.3
Malam Jabba	1.3	-2.0	3.3	64.6	17.0	2.3	3.0	2.9	3.4
Mangla	11.0	8.6	98.4	58.4	10.0	2.6	2.7	0.0	5.4
Multan (PBO)	14.3	13.3	114.5	55.1	1.0	1.9	1.4	0.6	4.6
Murree	3.1	2.0	26.0	57.4	19.0	3.0	4.6	1.7	1.7
Muzaffarabad	7.7	7.0	76.9	58.3	41.0	2.6	2.4	0.0	0.0
Sh. Ben. Abad	14.8	13.0	135.6	45.9	0.0	0.0	1.4	5.1	8.0
Peshawar	10.7	9.2	94.1	59.3	5.2	3.7	3.9	0.6	2.0
Quetta	4.1	2.5	37.3	52.5	6.5	2.1	3.2	1.7	3.5
Rawalpindi	8.6	6.5	85.6	64.3	13.6	1.9	4.0	0.9	2.0
Rohri	15.9	14.0	127.8	48.4	6.0	0.0	0.5	1.7	3.3
Skardu	0.4	-0.5	9.2	49.9	0.0	4.3	3.0	0.0	0.0
Tandojam	13.2	11.5	126.0	50.0	0.0	0.0	0.7	1.2	1.5
U.Muhammad	9.8	9.0	97.8	57.0	2.2	2.1	0.0	1.4	1.4
Zhob	6.7	4.0	63.8	42.4	5.0	0.9	2.4	3.9	5.9

*** Shows that data was not available.