

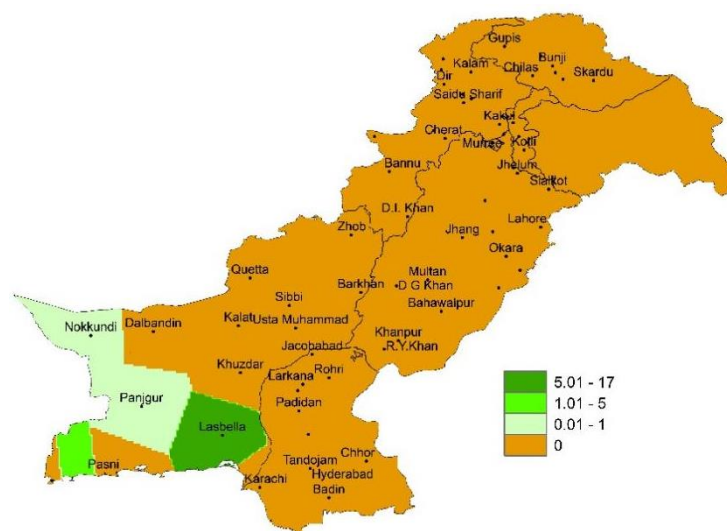
Weekly Weather and Crop Bulletin for Pakistan

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PAKISTAN METEOROLOGICAL
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**Rainfall Distribution (mm) during the Previous
Week (15th – 21st January 2024)**



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Highlights of Past Weather (15th – 21st January 2024)

- Dry weather reported from most parts of the country during the past week. While Light rain was reported Some stations from Baluchistan Province.
- Daily maximum temperatures were observed below normal in Punjab and Sindh whereas above normal in KP, GB, Kashmir and most parts of Baluchistan.
- Daily minimum temperatures were observed below normal in Punjab, northeastern KP and Kashmir whereas above normal in GB, Sindh and Baluchistan.
- Below normal mean daily temperatures were observed in Punjab and Sindh whereas above normal in KP, GB, Kashmir and 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 **(15th – 21st January 2024)**

Punjab

Dry weather reported from the Punjab Province. Weekly maximum and minimum temperatures recorded as 13.5°C & 3.8°C respectively. For the recent week on average 25.5 growing degree days were accumulated. Average relative humidity recorded as 74% and wind speed in the morning/evening recorded as 0.8/1.0 Knots. The lowest minimum temperature was recorded as -0.5°C at Murree.

Baluchistan

Light to moderate rainfall was reported from the province. Highest rainfall reported in Lasbela during the last week. Weekly maximum and minimum temperatures recorded as 22.9°C & 7.0°C respectively. For the recent week on average 69.7 growing degree days were accumulated. Average relative humidity recorded 50% and wind speed in the morning/evening recorded as 1.0/3.8 Knots. Highest rainfall was reported as 17.0 mm from Lasbela. However, lowest minimum temperature was recorded as -4.0°C at Kalat.

Khyber Pakhtunkhwa

Dry weather was reported from Khyber Pakhtunkhwa. Weekly maximum and minimum temperatures recorded as 16.8°C & 1.2°C respectively. For the recent week on average 28.3 growing degree days were accumulated. Average relative humidity recorded as 70% and wind speed in the morning/evening recorded as 0.6/1.1 Knots. During the previous week the lowest minimum temperature recorded as -6.0 °C at Kalam.

Sindh

Dry weather was reported from the province. Weekly maximum and minimum temperatures recorded as 23.5°C & 8.6°C respectively. For the recent week, on average 77.4 growing degree days were accumulated. Average relative humidity recorded as 69% and wind speed in the morning/evening recorded as 1.9/3.4 Knots. During

the previous week the lowest minimum temperature recorded as 3.5°C at Mithi.

Gilgit-Baltistan and Azad Jammu & Kashmir

Dry weather 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 13.9 growing degree days were accumulated. Average relative humidity recorded as 66%. and wind speed recorded in the morning/evening as 0.0/0.8. The lowest minimum temperature recorded as -9.2°C at Skardu.

Past Weather for Major Agricultural Plains**(15th – 21st January 2024)****Rawalpindi (Potohar region)**

Dry weather reported from Rawalpindi during the week; however, clear sky was observed in the morning/evening while, average relative humidity observed as 75%. Mean minimum time temperature was recorded as 1.5°C and for the recent week 37.3 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.0/0.2 Knots. The lowest minimum temperature was recorded as 1.0°C.

Faisalabad (Central Punjab)

Dry weather reported from Faisalabad during the week; however, cloudiness in the morning/evening recorded 0.0/2.1 Oktas while, average relative humidity observed as 90%. Mean minimum time temperature recorded 4.7°C & for the recent week 21.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.9/0.8 Knots. The lowest minimum temperature was recorded as 3.5°C.

Tandojam (Lower Sindh)

Dry weather reported from Tandojam during the week; however, cloudiness in the morning/evening recorded 0.2/0.2 Oktas while, average relative humidity observed as 70%. Mean minimum time temperature recorded as 8.4°C & for the recent week 78 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.2/1.2 Knots. The lowest minimum temperature was recorded as 8.0°C.

Usta Muhammad (Eastern Baluchistan)

Dry weather reported from Usta Muhammad during the week; however, cloudiness in the morning/evening recorded as 2.4/1.4 Oktas, average relative humidity observed as 74%. Mean minimum time temperature recorded as 3.6°C & for the recent week 24.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/1.7 Knots. The lowest minimum temperature was recorded as 1.5°C.

Quetta (Northern Baluchistan)

Dry weather reported from Quetta during the week; however, cloudiness in the morning/evening recorded as 2.2/2.0 Oktas while, average relative humidity observed as 43%. Mean minimum time temperature recorded as 1.2°C & for the recent

week 22.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/2.2 Knots. The lowest minimum temperature was recorded as -0.4°C.

Past Weather for Sub-Regional Agricultural Plains (15th – 21st January 2024)**Multan**

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 0.0/0.8 Oktas. Average relative humidity observed as 84%. Mean minimum time temperature recorded as 4.5°C & for the recent week 25.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.6 Knots.

Lahore

Dry weather was reported from Lahore during the week; however, clear sky was observed in the morning/evening, average relative humidity observed as 85%. Mean minimum time temperature recorded as 4.3°C & for the recent week 26.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/0.9 Knots.

Zhob

Dry weather reported from Zhob during the week; however, cloudiness in the morning/evening recorded as 1.1/1.1 Oktas. Average relative humidity observed as 31%. Mean minimum time temperature recorded as 0.6°C & for the recent week 34.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/3.1 Knots.

Murree

Dry weather was reported from Murree during the week; however, cloudiness in the morning/evening recorded as 0.1/0.4 Oktas while, average relative humidity observed as 54%. Mean minimum time temperature recorded as 0.1°C & for the recent week 11.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/1.4 Knots.

D.I. Khan

Dry weather reported from D.I. Khan during the week; however, clear sky was observed in the morning/evening while, average relative humidity observed as 90%. Mean minimum time temperature

recorded as 3.9°C & for the recent week 28.3 growing degree days accumulated. Calm wind speed recorded in the morning/evening.

Peshawar

Dry weather reported from Peshawar during the week; however, cloudiness in the morning/evening recorded as 0.0/0.7 Oktas while, average relative humidity observed as 73.6%. Mean minimum time temperature was recorded as 2.7°C & for the recent week 41.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

Kalam

Dry weather reported from Kalam during the week; however, cloudiness in the morning/evening recorded as 0.0/3.9 Oktas while, average relative humidity observed as 57.4%. Mean minimum time temperature recorded as -5.5°C. Calm wind recorded in the morning/evening.

Gilgit

Dry weather reported from Gilgit during the week, cloudiness in the morning/evening recorded as 1.7/3.3 Oktas while, average relative humidity observed as 57%. Mean minimum time temperature recorded as -4.9°C & for the recent week 3.6 growing degree days accumulated. Calm wind recorded in the morning/evening.

Skardu

Dry weather reported from Skardu during the week; however, cloudiness in the morning/evening recorded as 2.4/0.3 Oktas while, average relative humidity observed as 57%. Mean minimum time temperature recorded as -7.6°C. Calm wind recorded 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: Shooting. Condition: *Very good*.

Lower Sindh (Tandojam)

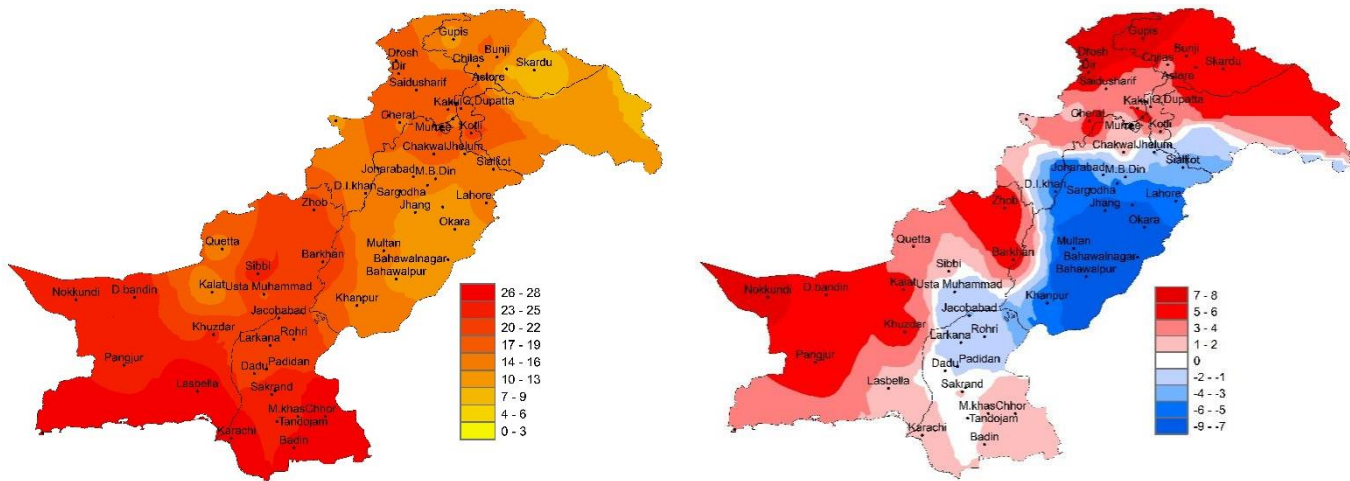
Wheat crop is sown in the fields. Date of sowing 26-11-2023. Variety:TJ83. Phonological Stage: Shooting. Condition: *Good*.

Northern Baluchistan (Quetta)

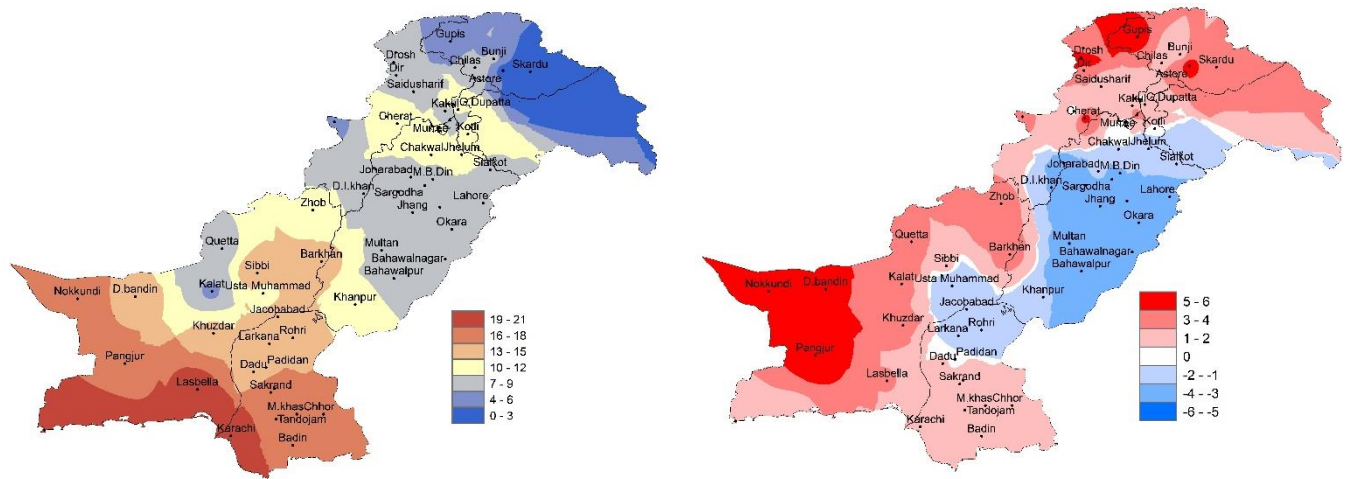
Wheat crop is sown in the fields of RAMC Quetta. Date of sowing 22-11-2023. Phonological Stage: Tillering. Condition: *Good*

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

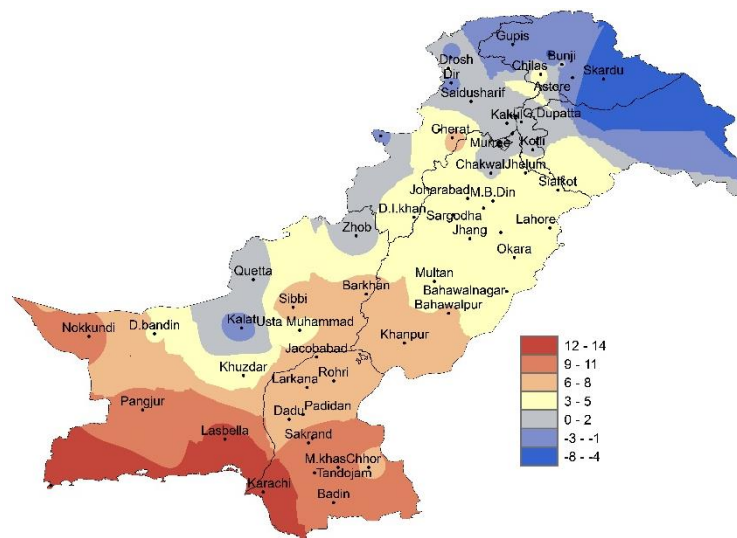
Actual & Departure of Maximum temperature (°C) for the Previous week (15th – 21st January 2024)



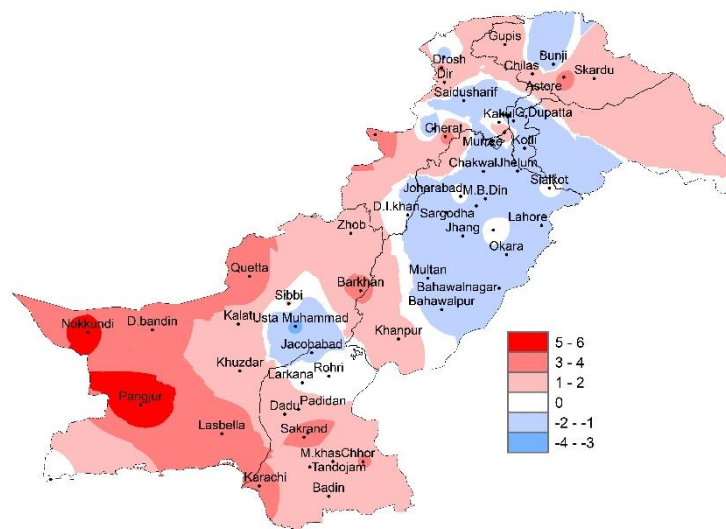
Actual & Departure of Mean temperature (°C) for the Previous week (15th – 21st January 2024)



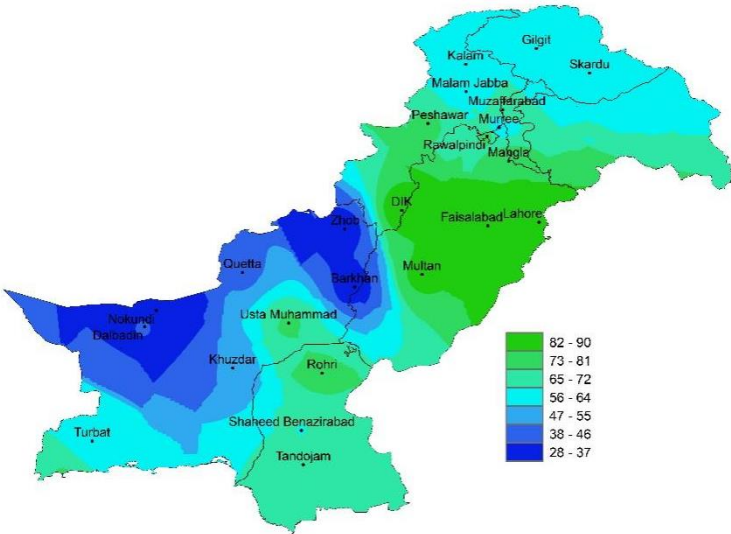
**Actual Minimum temperature (°C) during the
Previous week (15th – 21st January 2024)**



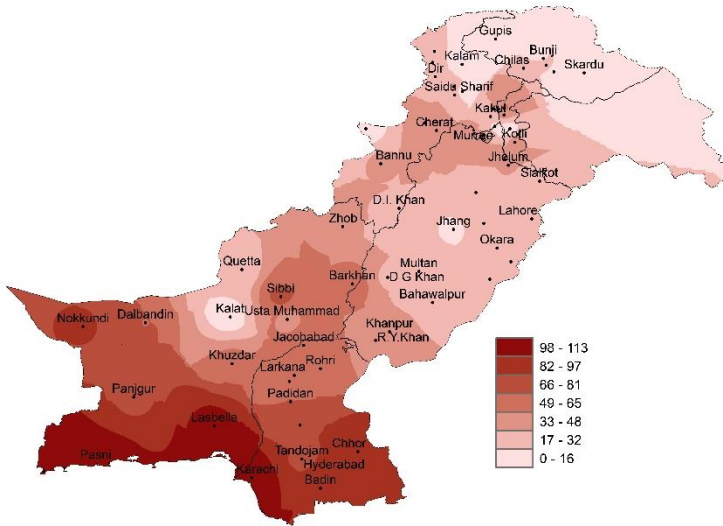
Departure of Minimum temperature (°C) during the
Previous week (15th – 21st January 2024)



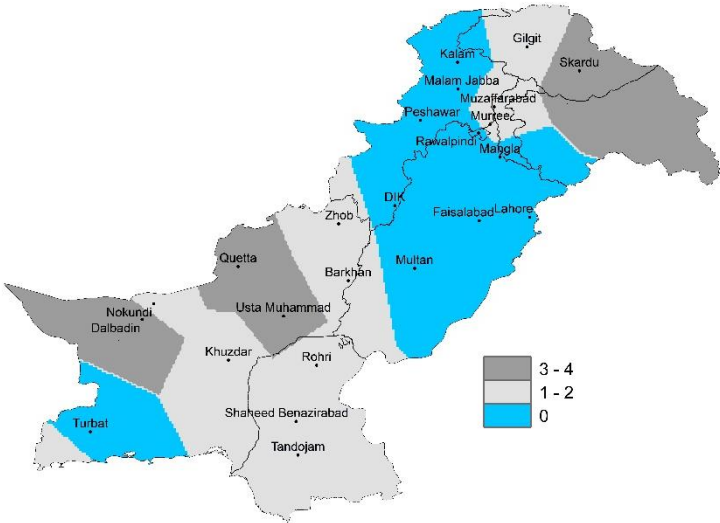
Mean Relative Humidity (%) during the
Previous week (15th – 21st January 2024)



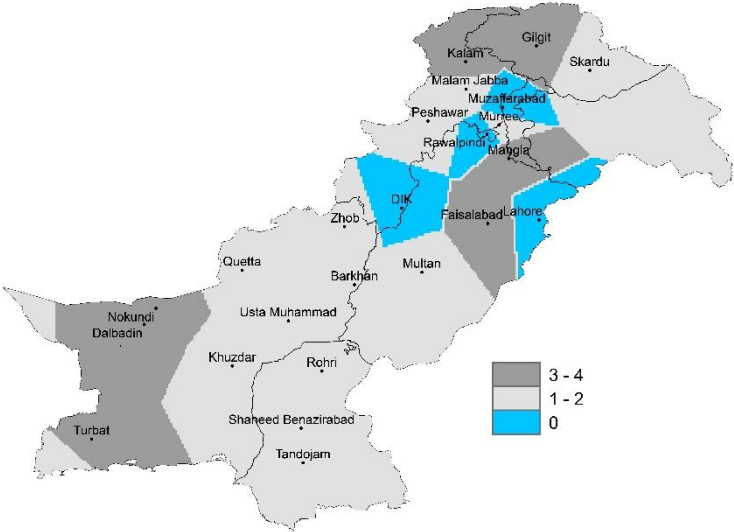
Total Growing Degree Days accumulated during the
Previous week (15th – 21st January 2024)



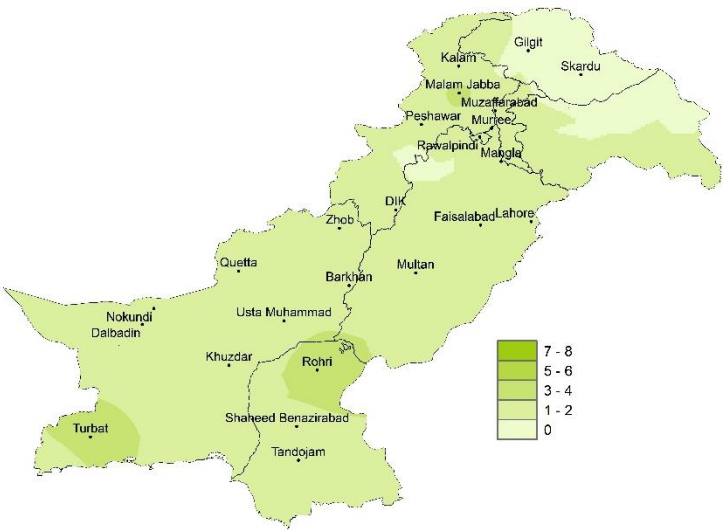
Mean Cloudiness (Octas) at 0800PST during the
Previous week (15th – 21st January 2024)



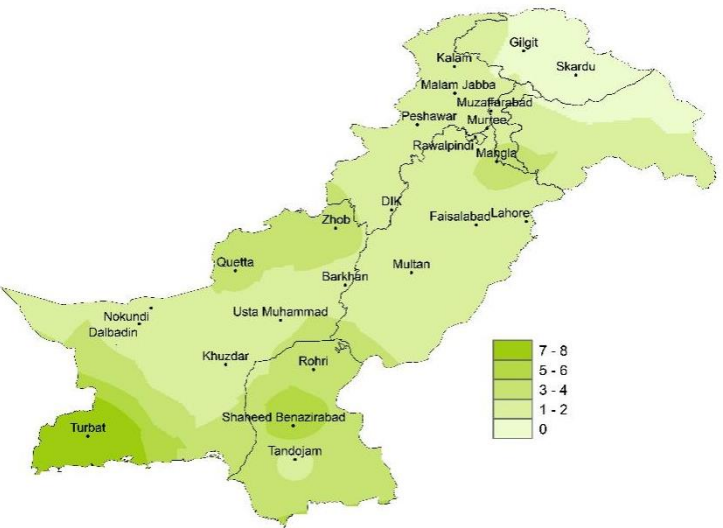
Mean Cloudiness (Octas) at 1700PST during the
Previous week (15th – 21st January 2024)



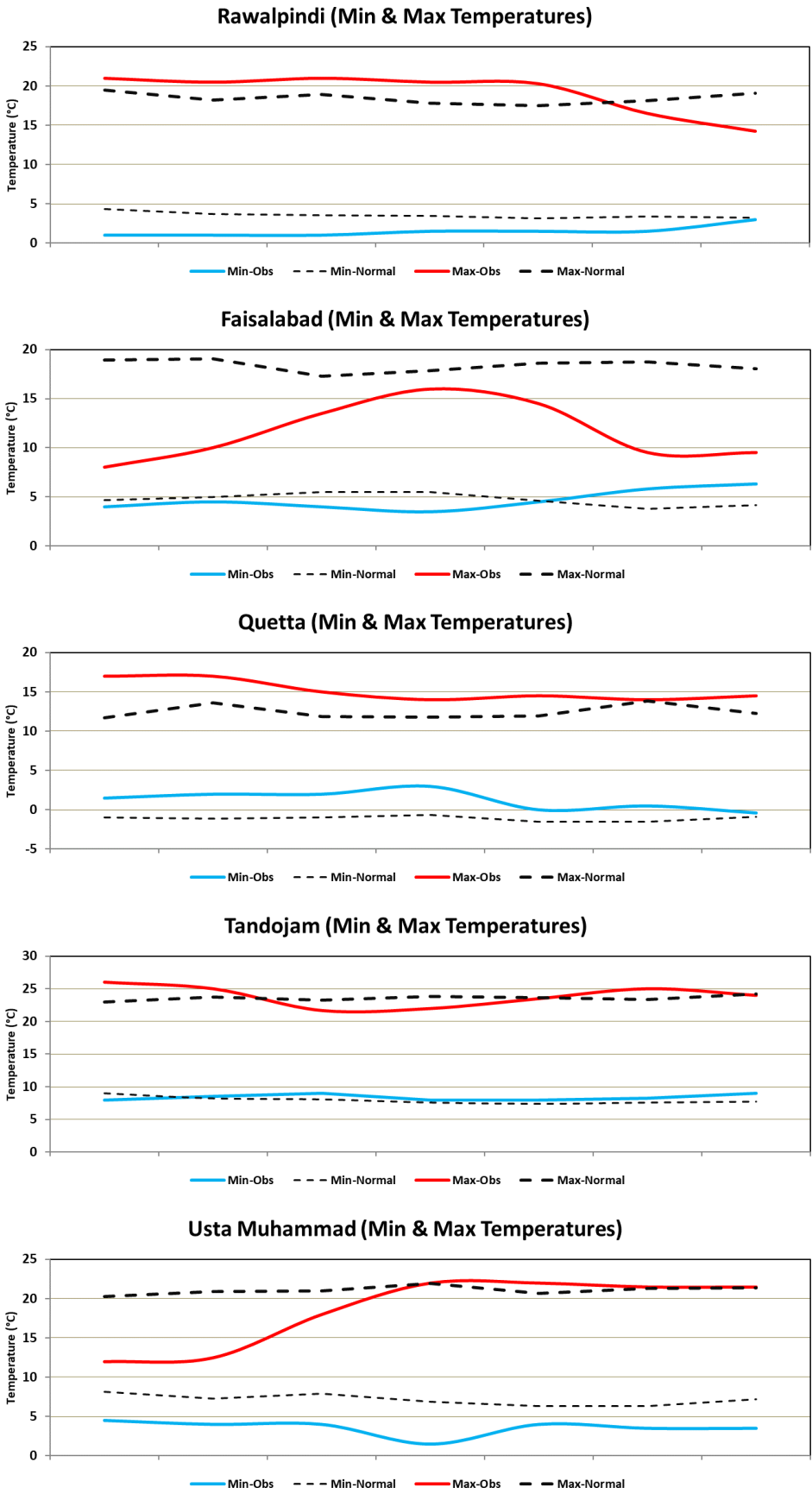
Mean Wind Speed (Knots) at 0800PST during the
Previous week (15th – 21st January 2024)



Mean Wind Speed (Knots) at 1700PST during the
Previous week (15th – 21st January 2024)



Comparison of temperatures for RAMCs (Minimum & Maximum with normal)
during the previous week (15th – 21st January 2024)



Weekly Weather Advisory for Farmers**(22nd January – 28th January 2024)**

Continental air is prevailing over most parts of the country.

MONDAY**22-01-2024**

Mainly very cold and dry weather is expected in most areas of the country. Dense fog/smog is likely to persist in Islamabad, plain areas of Punjab, Khyber-Pakhtunkhwa and upper Sindh. Very cold weather is likely in aforesaid areas due to dense fog.

TUESDAY**23-01-2024**

Mainly very cold and dry weather is expected in most areas of the country. Dense fog/smog is likely to persist in Islamabad, plain areas of Punjab, Khyber-Pakhtunkhwa and upper Sindh. Very cold weather is likely in aforesaid areas due to dense fog.

WEDNESDAY**24-01-2024**

Mainly cold and dry weather is expected in plain areas of the country, while very cold in upper parts and northern Balochistan. Dense fog/smog is likely to persist in plain areas of Punjab, Khyber-Pakhtunkhwa and upper Sindh. Frost is likely to occur at few places in Kashmir during morning hours.

THURSDAY**25-01-2024**

Mainly cold and dry weather is expected in plain areas of the country, while very cold with chances of rain-snow in Gilgit Baltistan, Kashmir and upper Khyber Pakhtunkhwa. Dense fog/smog is likely to persist in plain areas of Punjab, Khyber-Pakhtunkhwa and upper Sindh.

FRIDAY**26-01-2024**

Mainly cold and dry weather is expected in plain areas of the country, while very cold in upper parts. Cloudy weather with rain/snow over hills is likely in northern Balochistan, upper Khyber-Pakhtunkhwa, Gilgit-Baltistan and Kashmir. Dense fog/smog is likely to persist in plain areas of Punjab, Khyber-Pakhtunkhwa and upper Sindh.

SATURDAY**27-01-2024**

Mainly cold and dry weather is expected in plain areas of the country, while very cold in upper parts. Cloudy weather with rain/snow over hills is likely in northern Balochistan, upper Khyber-Pakhtunkhwa, Gilgit-Baltistan and Kashmir. Dense

fog/smog is likely to persist in plain areas of Punjab, Khyber-Pakhtunkhwa and upper Sindh.

SUNDAY**28-01-2024**

Mainly cold and dry weather is expected in plain areas of the country, while very cold in upper parts. Cloudy weather with rain/snow over hills is likely in northern Balochistan, upper/western Khyber-Pakhtunkhwa, Gilgit-Baltistan and Kashmir. Dense fog/smog is likely to persist in plain areas of Punjab, Khyber-Pakhtunkhwa and upper Sindh.

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (15th – 21st January 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	3.9	3.5	28.3	89.7	0.0	***	0.0	0.0	0.0
Faisalabad	4.7	3.5	21.8	90.0	0.0	*	2.1	0.9	0.8
Gawadar	13.9	13.0	112.7	72.9	2.2	1.3	1.1	1.7	7.7
Gilgit	-4.9	-5.5	3.6	57.3	0.0	1.7	3.3	0.0	0.0
Kalam	-5.5	-6.0	0.0	57.4	0.0	0.0	3.9	0.0	0.0
Khuzdar	4.5	4.0	58.0	46.0	0.0	0.9	1.4	0.0	0.6
Lahore	4.3	3.7	26.9	85.3	0.0	***	0.0	0.3	0.9
Malam Jabba	0.1	-1.0	0.0	57.2	0.0	0.0	0.3	2.6	2.0
Mangla	2.8	1.3	32.2	80.0	0.0	***	2.2	0.0	3.1
Multan (PBO)	4.5	3.4	25.6	84.4	0.0	***	0.8	0.0	0.6
Murree	0.1	-0.5	11.6	53.6	0.0	0.1	0.4	2.0	1.4
Muzaffarabad	1.8	1.5	26.7	69.3	0.0	0.7	0.0	0.0	0.0
Sh. Ben. Abad	8.8	7.9	80.0	63.3	0.0	0.4	0.3	1.7	5.4
Peshawar	2.7	2.0	41.8	73.6	0.0	0.0	0.7	0.0	0.3
Quetta	1.2	-0.4	22.3	43.0	0.0	2.2	2.0	1.1	2.2
Rawalpindi	1.5	1.0	37.3	75.0	0.0	0.0	0.0	0.0	0.2
Rohri	7.9	7.0	62.0	74.8	0.0	0.8	0.6	2.9	3.7
Skardu	-7.6	-9.2	0.0	57.4	0.0	2.4	0.3	0.0	0.0
Tandojam	8.4	8.0	78.0	70.0	0.0	0.2	0.2	1.2	1.2
U.Muhammad	3.6	1.5	42.3	73.5	0.0	2.4	1.4	1.4	1.7
Zhob	0.6	0.0	34.0	30.9	0.0	1.1	1.1	1.4	3.1

*** Shows that data was not available.