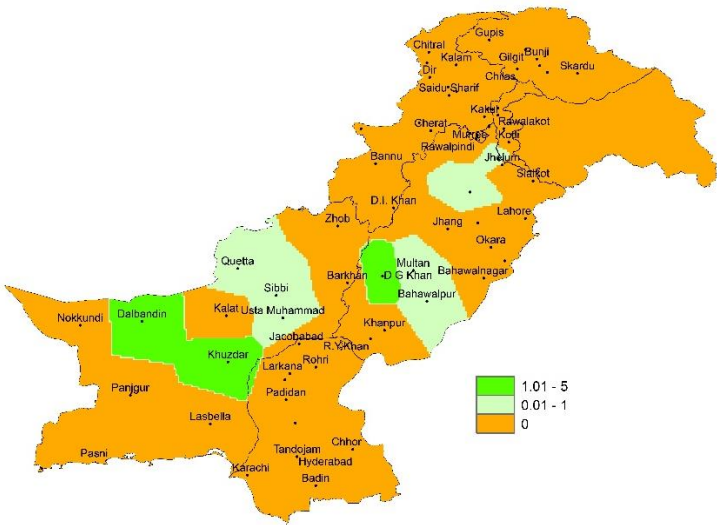


Weekly Weather and Crop Bulletin for Pakistan

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PAKISTAN METEOROLOGICAL
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Rainfall Distribution (mm) during the Previous Week (08th – 14th January 2024)



Highlights of Past Weather (08th – 14th January 2024)

- Dry weather was reported from almost all over the country except scattered areas of Baluchistan and South Punjab where light rain was observed during the past week.
- Daily maximum temperatures were observed as normal to below normal in Punjab and Sindh whereas above normal in the northern belt and Baluchistan.
- Daily minimum temperatures were observed normal to below normal throughout the country.
- Normal to below normal mean daily temperatures were observed in Lower KP, Punjab, and Sindh whereas above normal in the northern belt and Baluchistan

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

Past Weather of Provinces **(08th – 14th January 2024)**

Punjab

Dry weather reported from the Punjab Province. However, trace rainfall observed over few stations of southern Punjab. Weekly maximum and minimum temperatures recorded as 12.6°C & 4.3°C respectively. For the recent week on average 24.1 growing degree days were accumulated. Average relative humidity recorded as 74% and wind speed in the morning/evening recorded as 0.4/1.9 Knots. Highest rainfall was reported as 2.0 mm from D. G. Khan and Gujranwala. However, lowest minimum temperature was recorded as – 0.6°C at Murree.

Baluchistan

Light rainfall was reported from scattered areas of the province. Weekly maximum and minimum temperatures recorded as 21.5°C & 5.2°C respectively. For the recent week on average 57.8 growing degree days were accumulated. Average relative humidity recorded 49% and wind speed in the morning/evening recorded as 0.6/4.7 Knots. Highest rainfall was reported as 3.0 mm from Khuzdar. However, lowest minimum temperature was recorded as –6.0°C at Kalat.

Khyber Pakhtunkhwa

Dry weather was reported from Khyber Pakhtunkhwa. Weekly maximum and minimum temperatures recorded as 16.8°C & 1.0°C respectively. For the recent week on average 27.4 growing degree days were accumulated. Average relative humidity recorded as 72% and wind speed in the morning/evening recorded as 0.5/0.6 Knots. During the previous week the lowest minimum temperature recorded as -6.5 °C at Kalam.

Sindh

Dry weather was reported from the province. Weekly maximum and minimum temperatures recorded as 22.7°C & 6.9°C respectively. For the recent week, on average 68.5 growing degree days were accumulated. Average relative humidity recorded as 69% and wind speed in the

morning/evening recorded as 1.8/3.3 Knots. During the previous week the lowest minimum temperature recorded as 1.5°C at Mithi.

Gilgit-Baltistan and Azad Jammu & Kashmir

Dry weather reported from Gilgit Baltistan and Kashmir. Weekly maximum and minimum temperatures recorded as 14.3°C & -1.8°C respectively. For the recent week on average 14.6 growing degree days were accumulated. Average relative humidity recorded as 69%. and wind speed recorded in the morning/evening as 0.1/0.1. The lowest minimum temperature recorded as -9.8°C at Skardu.

Past Weather for Major Agricultural Plains**(08th – 14th January 2024)****Rawalpindi (Potohar region)**

Dry weather reported from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 0.3/2.0 Oktas while, average relative humidity observed as 73%. Mean minimum time temperature was recorded as 0.9°C and for the recent week 39.7 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.0/0.6 Knots. The lowest minimum temperature was recorded as 0.5°C.

Faisalabad (Central Punjab)

Dry weather reported from Faisalabad during the week; however, cloudiness in the morning/evening recorded 0.0/1.0 Oktas while, average relative humidity observed as 91%. Mean minimum time temperature recorded 5.1°C & for the recent week 21.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.4/0.4 Knots. The lowest minimum temperature was recorded as 4.0°C.

Tandojam (Lower Sindh)

Dry weather reported from Tandojam during the week; however, clear sky has been observed while, average relative humidity observed as 65%. Mean minimum time temperature recorded as 6.9°C & for the recent week 73.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/1.4 Knots. The lowest minimum temperature was recorded as 5.5°C.

Usta Muhammad (Eastern Baluchistan)

Rainfall reported as 0.01 (trace) mm from Usta Muhammad during the week; however, cloudiness in the morning/evening recorded as 4.8/2.8 Oktas, average relative humidity observed as 82%. Mean minimum time temperature recorded as 5.2°C & for the recent week 28.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/1.1 Knots. The lowest minimum temperature was recorded as 4.0°C.

Quetta (Northern Baluchistan)

Precipitation reported as 0.01 (trace) mm from Quetta during the week; however, cloudiness in the morning/evening recorded as 2.0/1.8 Oktas while, average relative humidity observed as 49%. Mean minimum time temperature recorded as 0.5°C & for the recent week 17.0 growing degree days

accumulated. Wind speed recorded in the morning/evening as 1.1/1.8 Knots. The lowest minimum temperature was recorded as -1.0°C.

Past Weather for Sub-Regional Agricultural Plains (08th – 14th January 2024)**Multan**

Rainfall reported as 0.01 (trace) mm from Multan during the week; however, cloudiness in the morning/evening recorded as 0.0/2.1 Oktas. Average relative humidity observed as 87%. Mean minimum time temperature recorded as 4.9°C & for the recent week 30.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/2.6 Knots.

Lahore

Dry weather was reported from Lahore during the week; however, cloudiness in the morning/evening recorded as 0.0/0.8 Oktas, average relative humidity observed as 86%. Mean minimum time temperature recorded as 4.7°C & for the recent week 24.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/1.4 Knots.

Zhob

Dry weather reported from Zhob during the week; however, cloudiness in the morning/evening recorded as 1.1/2.3 Oktas. Average relative humidity observed as 42%. Mean minimum time temperature recorded as 0.7°C & for the recent week 26.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/3.0 Knots.

Murree

Dry weather was reported from Murree during the week; however, cloudiness in the morning/evening recorded as 1.6/1.6 Oktas while, average relative humidity observed as 50%. Mean minimum time temperature recorded as 0.0°C & for the recent week 16.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.9/1.7 Knots.

D.I. Khan

Dry weather reported from D.I. Khan during the week; however, clear sky has been observed. Average relative humidity observed as 95%. Mean minimum time temperature recorded as 4.8°C & for the recent week 21.3 growing degree days

accumulated. Wind speed recorded in the morning/evening as 0.9/0.9 Knots.

Peshawar

Dry weather reported from Peshawar during the week; however, cloudiness in the morning/evening recorded as 1.8/2.4 Oktas while, average relative humidity observed as 80%. Mean minimum time temperature was recorded as 1.8°C & for the recent week 38.2 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 2.4/3.3 Oktas while, average relative humidity observed as 57%. Mean minimum time temperature recorded as -5.4°C. Calm wind recorded in the morning/evening.

Gilgit

Dry weather reported from Gilgit during the week, cloudiness in the morning/evening recorded as 2.4/2.9 Oktas while, average relative humidity observed as 56%. Mean minimum time temperature recorded as -4.8°C & for the recent week 3.0 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 3.4/1.7 Oktas while, average relative humidity observed as 57%. Mean minimum time temperature recorded as -8.1°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: Tillering completed. Condition: *Very good*.

Lower Sindh (Tandojam)

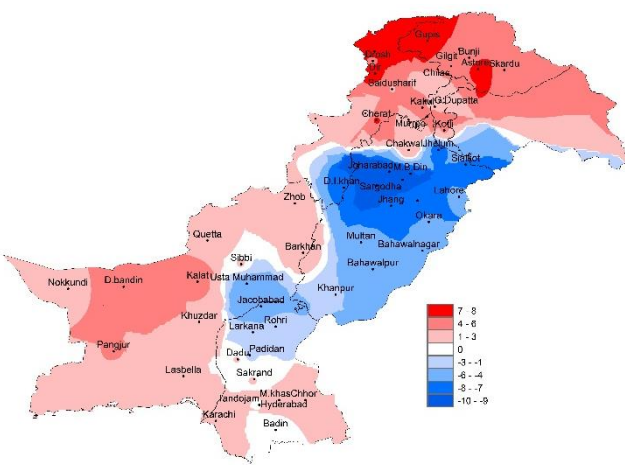
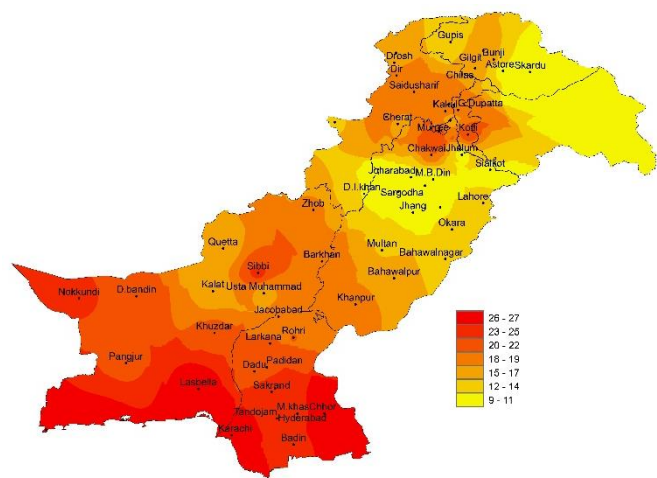
Wheat crop is sown in the fields. Date of sowing 26-11-2023. Variety:TJ83. Phonological Stage: Shooting. Condition: *Good*.

Northern Baluchistan (Quetta)

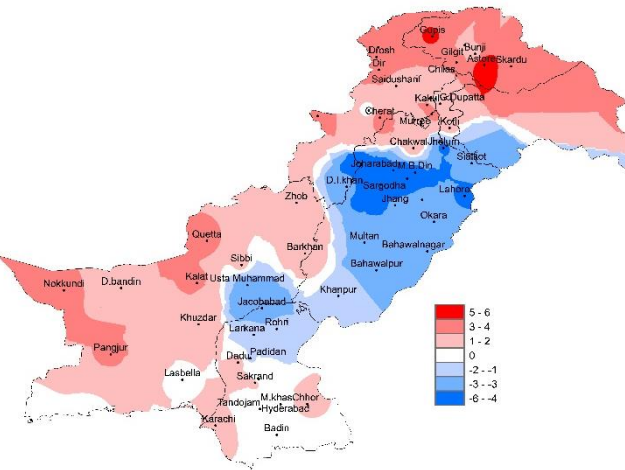
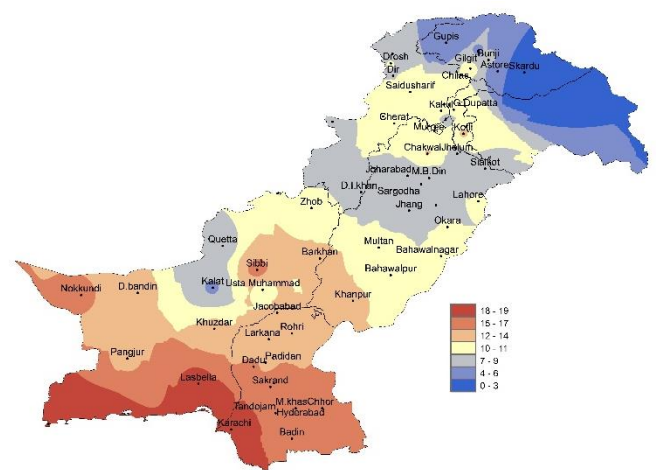
Wheat crop is sown in the fields of RAMC Quetta. Date of sowing 22-11-2023. Phonological Stage: Tillering. Condition: *Good*

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

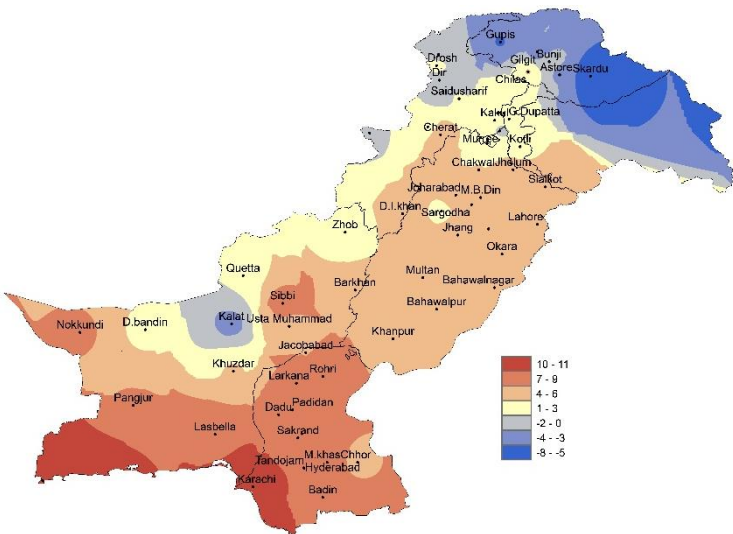
Actual & Departure of Maximum temperature (°C) for the Previous week (08th – 14th January 2024)



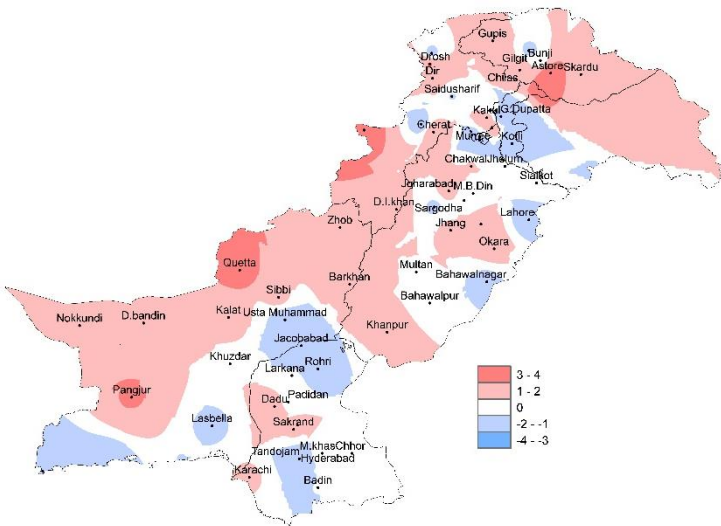
Actual & Departure of Mean temperature (°C) for the Previous week (08th – 14th January 2024)



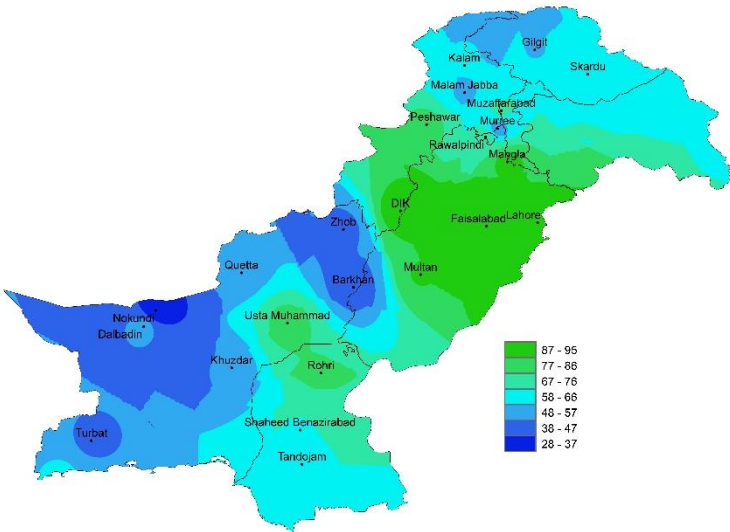
Actual Minimum temperature (°C) during the
Previous week (08th – 14th January 2024)



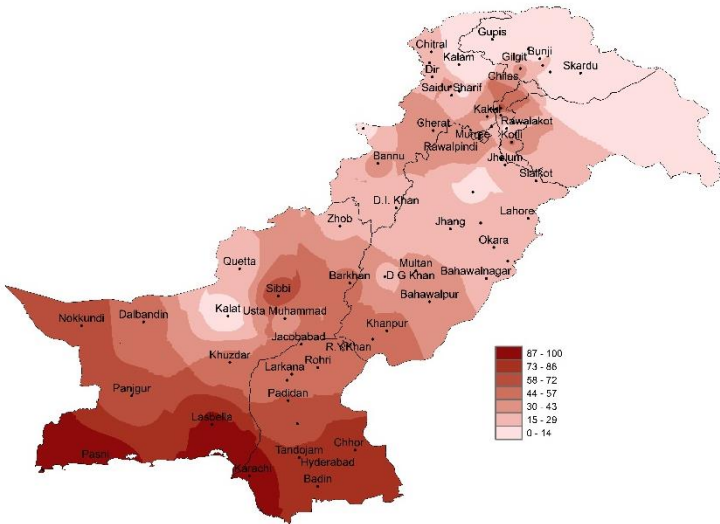
Departure of Minimum temperature (°C) during the
Previous week (08th – 14th January 2024)



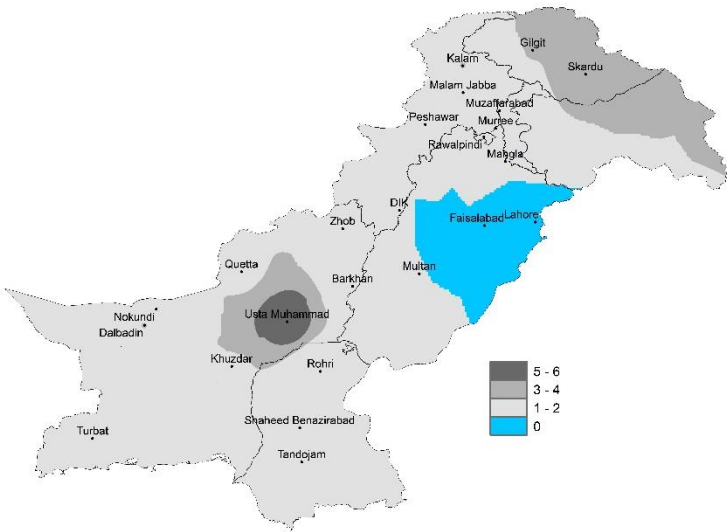
Mean Relative Humidity (%) during the
Previous week (08th – 14th January 2024)



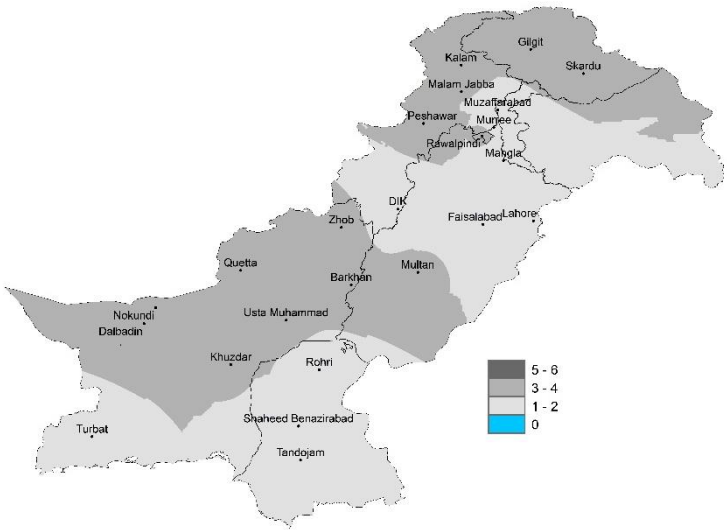
Total Growing Degree Days accumulated during the
Previous week (08th – 14th January 2024)



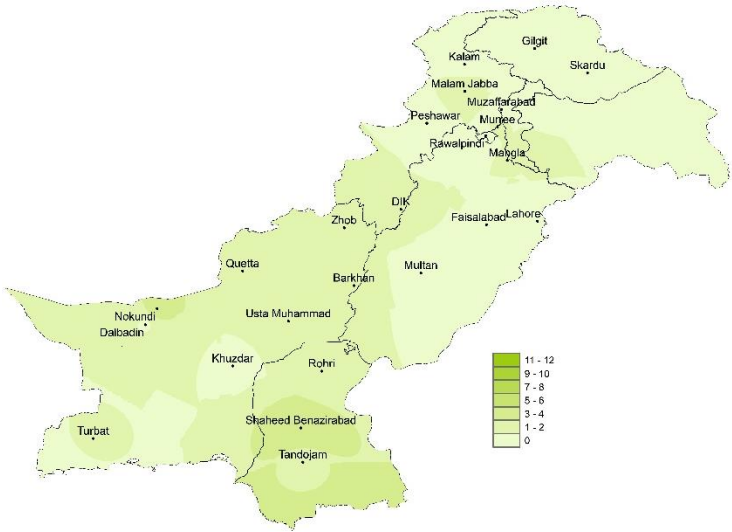
Mean Cloudiness (Octas) at 0800PST during the
Previous week (08th – 14th January 2024)



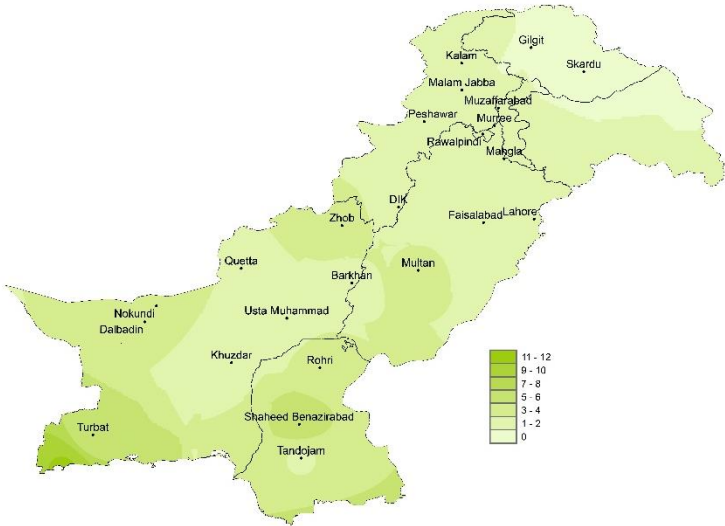
Mean Cloudiness (Octas) at 1700PST during the
Previous week (08th – 14th January 2024)



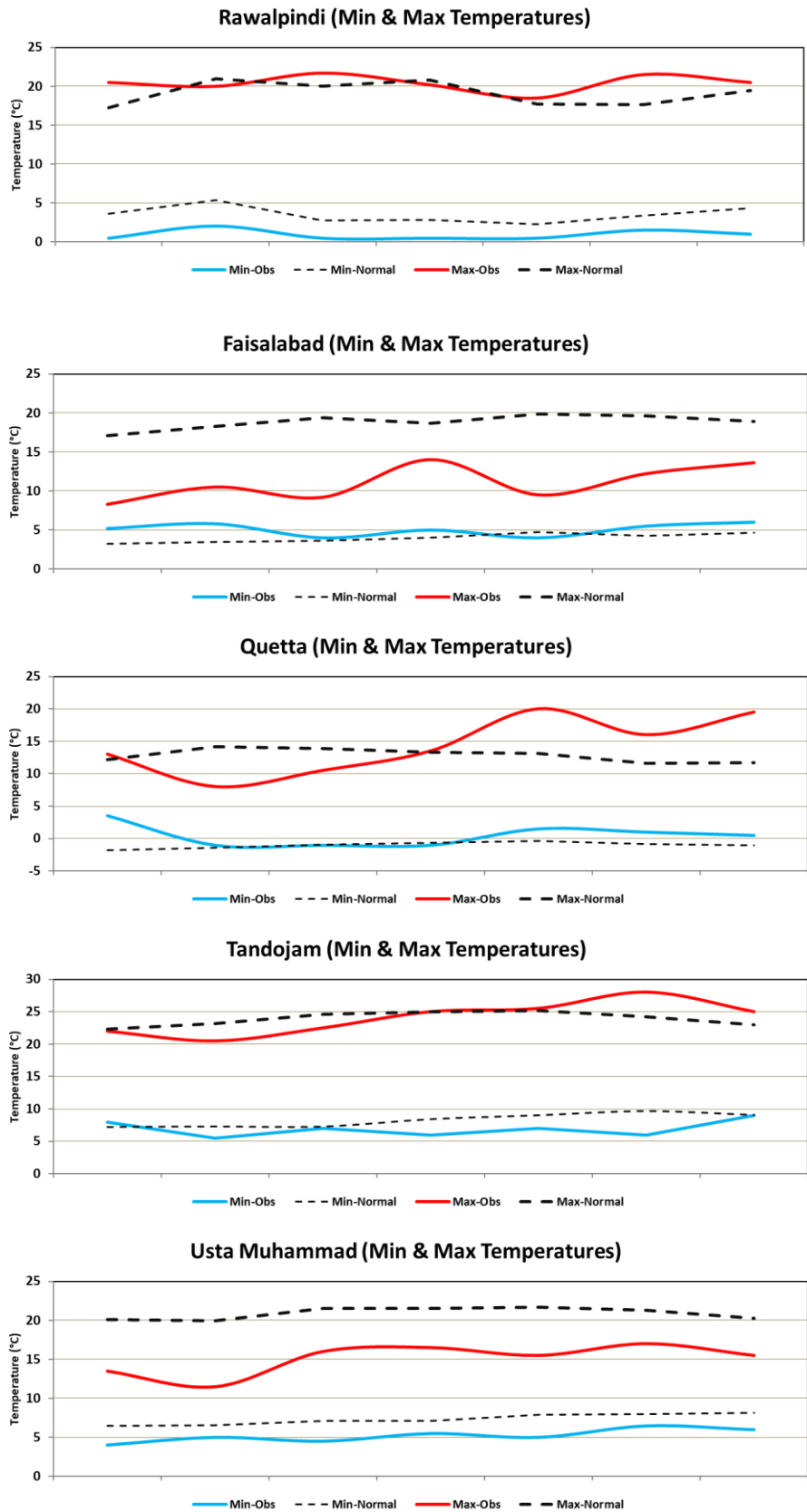
Mean Wind Speed (Knots) at 0800PST during the
Previous week (08th – 14th January 2024)



Mean Wind Speed (Knots) at 1700PST during the
Previous week (01st – 07th January 2024)



Comparison of temperatures for RAMCs (Minimum & Maximum with normal)
during the previous week (08th – 14th January 2024)



Weekly Weather Advisory for Farmers**(15th January – 21st January 2024)**

Continental air is prevailing over most parts of the country.

MONDAY**15-01-2024**

Mainly cold and dry weather is expected in most plain areas of the country, while very cold and partly cloudy in northern parts. Dense fog/smog is likely to persist in plain areas of Punjab, Khyber-Pakhtunkhwa and upper Sindh.

TUESDAY**16-01-2024**

Mainly cold and dry weather is expected in most plain areas of the country, while very cold in northern parts. However, partly cloudy weather with rain (snowfall over mountains) is likely at isolated places in Gilgit-Baltistan. 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 Pothohar region during morning.

WEDNESDAY**17-01-2024**

Mainly cold and dry weather is expected in plain areas of the country, while very cold in upper parts and northern Balochistan. However, partly cloudy weather with chances of rain/snowfall is likely at isolated places in Gilgit-Baltistan. Fog/smog is likely to persist in upper Sindh and plain areas of Punjab and Khyber-Pakhtunkhwa during morning and night. Frost is likely in Kashmir and Pothohar region.

THURSDAY**18-01-2024**

Mainly cold and dry weather is expected in plain areas of the country, while very cold in upper parts and northern Balochistan. Fog/smog is likely to persist in upper Sindh and plain areas of Punjab and Khyber-Pakhtunkhwa during morning and night. Frost is also likely at isolated places in Kashmir and Potohar region.

FRIDAY**19-01-2024**

Mainly cold and dry weather is expected in plain areas of the country, while very cold in upper parts and northern Balochistan. Fog/smog is likely to persist in upper Sindh and plain areas of Punjab and Khyber-Pakhtunkhwa during morning and night. Frost is also likely at isolated places in Kashmir and Potohar region.

SATURDAY**20-01-2024**

Mainly cold and dry weather is expected in plain areas of the country, while very cold in upper parts and northern Balochistan. Fog/smog is likely to persist in upper Sindh and plain areas of Punjab and Khyber-Pakhtunkhwa during morning and night.

SUNDAY**21-01-2024**

Mainly cold and dry weather is expected in plain areas of the country, while very cold in upper parts and northern Balochistan. Fog/smog is likely to persist in upper Sindh and plain areas of Punjab and Khyber-Pakhtunkhwa during morning and night.

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (08th – 14th 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	4.8	3.0	21.3	95.2	0.0	***	0.0	0.9	0.9
Faisalabad	5.1	4.0	21.4	91.0	0.0	0.0	1.0	0.4	0.4
Gawadar	10.6	8.5	97.8	58.5	0.0	0.6	0.3	0.3	10.6
Gilgit	-4.7	-6.0	3.0	56.3	0.0	2.4	2.9	0.0	0.0
Kalam	-5.4	-6.5	0.0	57.0	0.0	2.4	3.3	0.0	0.0
Khuzdar	3.2	2.0	48.3	47.9	3.0	2.3	2.3	0.0	0.6
Lahore	4.7	4.2	24.6	85.6	0.0	***	0.8	0.3	1.4
Malam Jabba	0.7	0.0	0.0	54.7	0.0	0.6	1.7	1.1	1.1
Mangla	3.2	2.5	13.1	92.1	0.0	***	0.0	0.6	0.6
Multan (PBO)	4.9	3.7	30.9	86.6	0.0	***	2.1	0.0	2.6
Murree	0.0	-0.6	16.7	49.7	0.0	1.6	1.6	0.9	1.7
Muzaffarabad	2.1	2.0	27.5	69.7	0.0	0.0	0.6	0.0	0.0
Sh. Ben. Abad	6.0	5.0	67.8	65.6	0.0	0.7	0.3	3.4	5.7
Peshawar	1.8	1.0	38.2	80.1	0.0	1.8	2.4	0.0	0.3
Quetta	0.5	-1.0	17.0	49.0	0.0	2.0	1.8	1.1	1.8
Rawalpindi	0.9	0.5	39.7	73.1	0.0	0.3	2.0	0.0	0.6
Rohri	6.5	5.2	55.5	77.1	0.0	0.0	0.0	0.6	2.9
Skardu	-8.1	-9.8	0.0	57.0	0.0	3.4	1.7	0.0	0.0
Tandojam	6.9	5.5	73.5	64.8	0.0	0.0	0.0	1.4	1.4
U.Muhammad	5.2	4.0	28.5	81.5	0.0	4.8	2.8	1.7	1.1
Zhob	0.7	-2.5	26.8	41.5	0.0	1.1	2.3	1.4	3.0

*** Shows that data was not available.