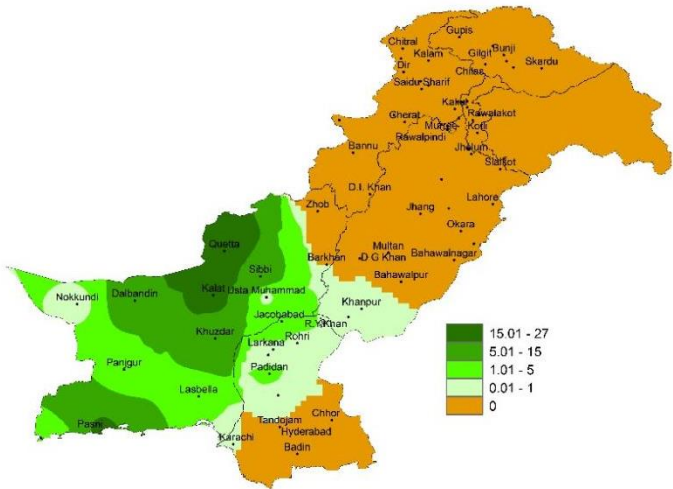


Weekly Weather and Crop Bulletin for Pakistan

NATIONAL AGROMET CENTRE
PAKISTAN METEOROLOGICAL
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Rainfall Distribution (mm) during the Previous Week (01st – 07th January 2024)



Highlights of Past Weather
(01st – 07th January 2024)

- Dry weather reported from the upper half part of the country during the past week.
- Light rain was reported from Baluchistan, northern Sindh and south Punjab.
- Daily maximum temperatures were observed below normal in Punjab and Sindh whereas above normal in the western belt of the country.
- Daily minimum temperatures were observed above normal throughout the country.
- Below normal mean daily temperatures were observed in Punjab and Sindh whereas above normal in most parts of Baluchistan, KP, GB and Kashmir. in most parts of the country.

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

Past Weather of Provinces**(01st – 07th 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 11.5°C & 5.5°C respectively. For the recent week on average 24.4 growing degree days were accumulated. Average relative humidity recorded as 77% and wind speed in the morning/evening recorded as 0.6/0.8 Knots. The lowest minimum temperature was recorded as -1.0°C at Islamabad.

Baluchistan

Light to moderate rainfall was reported from the province. Highest rainfall reported in Quetta during the last week. Weekly maximum and minimum temperatures recorded as 21.0°C & 6.6°C respectively. For the recent week on average 62.2 growing degree days were accumulated. Average relative humidity recorded 51% and wind speed in the morning/evening recorded as 2.4/3.9 Knots. The lowest minimum temperature recorded as -4.5°C at Kalat.

Khyber Pakhtunkhwa

Dry weather was reported from Khyber Pakhtunkhwa. Weekly maximum and minimum temperatures recorded as 15.4°C & 2.0°C respectively. For the recent week on average 26.1 growing degree days were accumulated. Average relative humidity recorded as 72% and wind speed in the morning/evening recorded as 0.7/0.7 Knots. During the previous week the lowest minimum temperature recorded as -5.5 °C at Kalam.

Sindh

Dry weather was reported from the province. Weekly maximum and minimum temperatures recorded as 19.4°C & 8.1°C respectively. For the recent week, on average 61.9 growing degree days were accumulated. Average relative humidity recorded as 77% and wind speed in the morning/evening recorded as 2.1/3.9 Knots. During the previous week the lowest minimum temperature recorded as 5.0°C at Sukkur.

Gilgit-Baltistan and Azad Jammu & Kashmir

Dry weather reported from Gilgit Baltistan and Kashmir. Weekly maximum and minimum temperatures recorded as 13.3°C & -1.6°C respectively. For the recent week on average 14.7 growing degree days were accumulated. Average relative humidity recorded as 72%. and wind speed recorded in the morning/evening as 0.0/0.1. The lowest minimum temperature recorded as -9.8°C at Skardu.

Past Weather for Major Agricultural Plains**(01st – 07th January 2024)****Rawalpindi (Potohar region)**

Dry weather reported from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 2.3/1.0 Oktas while, average relative humidity observed as 80%. Mean minimum time temperature was recorded as 2.3°C and for the recent week 39.0 growing degree days were accumulated. Calm wind recorded in the morning/evening. 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 0.0/1.4 Oktas while, average relative humidity observed as 86%. Mean minimum time temperature recorded 6.9°C & for the recent week 28.1 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/0.3 Knots. The lowest minimum temperature was recorded as 5.0°C.

Tandojam (Lower Sindh)

Dry weather reported from Tandojam during the week; however, clear sky has been observed while, average relative humidity observed as 72%. Mean minimum time temperature recorded as 7.0°C & for the recent week 60.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/2.6 Knots. The lowest minimum temperature was recorded as 6.5°C.

Usta Muhammad (Eastern Baluchistan)

Dry weather reported from Usta Muhammad during the week; however, cloudiness in the morning/evening recorded as 2.2/3.7 Oktas, average relative humidity observed as 90%. Mean minimum time temperature recorded as 4.9°C & for the recent week 90 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/1.1 Knots. The lowest minimum temperature was recorded as 4.5°C.

Quetta (Northern Baluchistan)

Rainfall reported as 26.0 mm from Quetta during the week; however, cloudiness in the morning/evening recorded as 2.0/3.0 Oktas while, average relative humidity observed as 54%. Mean minimum time temperature recorded as 0.9°C & for the recent week 15.5 growing degree days

accumulated. Wind speed recorded in the morning/evening as 1.1/2.8 Knots. The lowest minimum temperature was recorded as -0.5°C.

Past Weather for Sub-Regional Agricultural Plains (01st – 07th January 2024)**Multan**

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 0.0/3.5 Oktas. Average relative humidity observed as 87%. Mean minimum time temperature recorded as 6.1°C & for the recent week 27.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/1.1 Knots.

Lahore

Dry weather was reported from Lahore during the week; however, cloudiness in the morning/evening recorded as 0.0/1.5 Oktas, average relative humidity observed as 87%. Mean minimum time temperature recorded as 5.7°C & for the recent week 24.2 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.9/0.7 Knots.

Zhob

Dry weather reported from Zhob during the week; however, cloudiness in the morning/evening recorded as 0.9/1.7 Oktas. Average relative humidity observed as 39%. Mean minimum time temperature recorded as -1.1°C & for the recent week 17.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 4.7/5.0 Knots.

Murree

Dry weather was reported from Murree during the week; however, cloudiness in the morning/evening recorded as 1.4/1.7 Oktas while, average relative humidity observed as 57%. Mean minimum time temperature recorded as 0.4°C & for the recent week 10.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.9/0.6 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 94%. Mean minimum time temperature recorded as 5.2°C & for the recent week 19.0 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 1.5/2.3 Oktas while, average relative humidity observed as 83%. Mean minimum time temperature was recorded as 3.4°C & for the recent week 21.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.3/0.3 Knots.

Kalam

Dry weather reported from Kalam during the week; however, cloudiness in the morning/evening recorded as 1.4/3.4 Oktas while, average relative humidity observed as 61%. Mean minimum time temperature recorded as -4.8°C. Calm wind recorded in the morning/evening.

Gilgit

Dry weather reported from Gilgit during the week, cloudiness in the morning/evening recorded as 3.3/3.4 Oktas while, average relative humidity observed as 62%. Mean minimum time temperature recorded as -4.8°C & for the recent week 0.2 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 1.7/2.1 Oktas while, average relative humidity observed as 61%. Mean minimum time temperature recorded as -9.3°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)

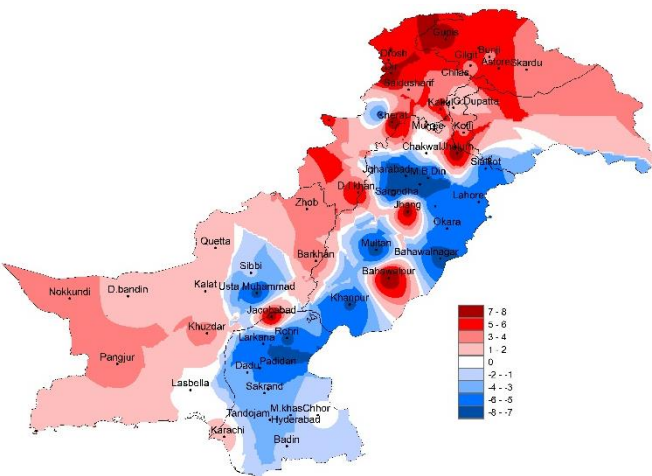
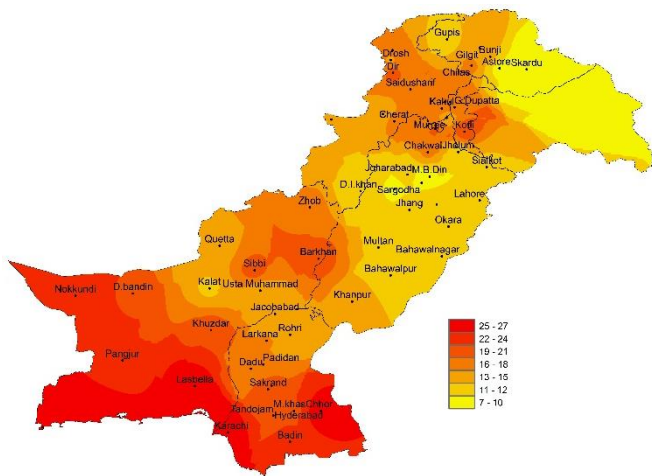
Wheat crop is sown in the fields. Date of sowing 26-11-2023. Variety:TJ83. Phonological Stage: Shooting. Condition: *Good*.

Northern Baluchistan (Quetta)

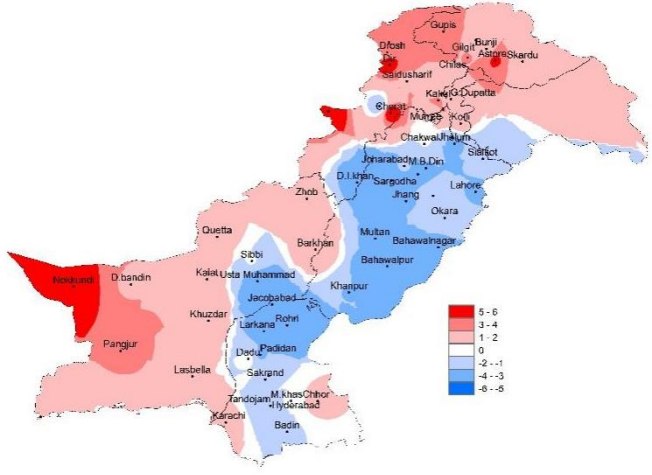
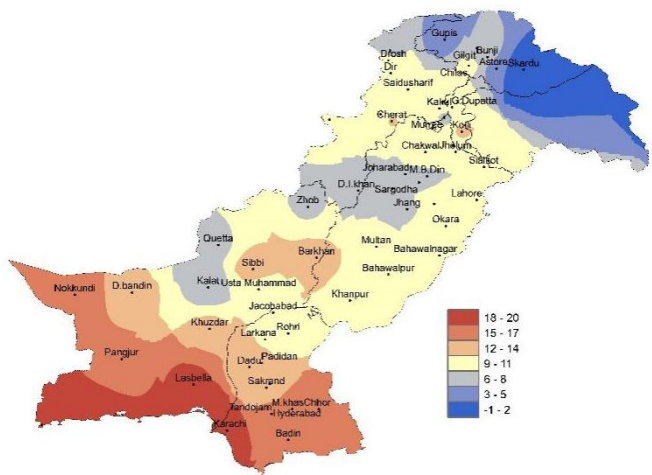
Wheat crop is sown in the fields of RAMC Quetta. Date of sowing 22-11-2023. Phonological Stage: 3rd Leaf. Condition: *Good*

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

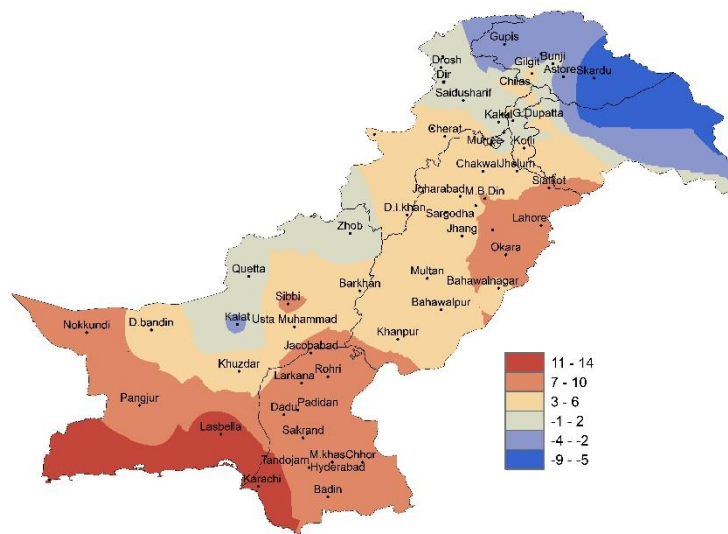
Actual & Departure of Maximum temperature (°C) for the Previous week (01st – 07th January 2024)



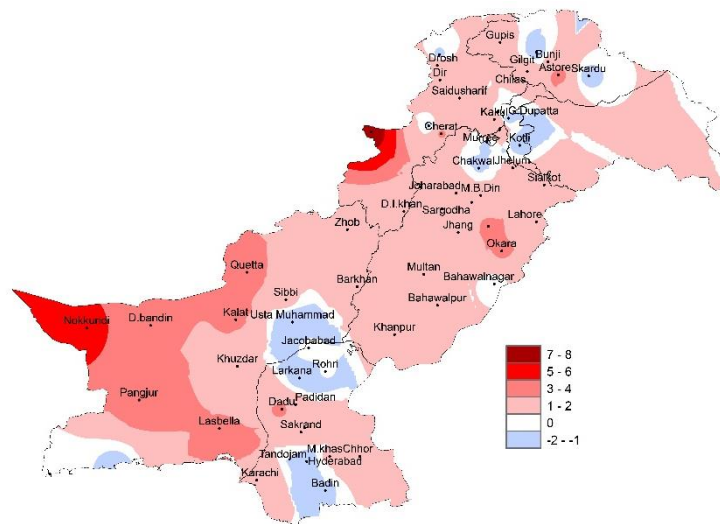
Actual & Departure of Mean temperature (°C) for the Previous week (01st – 07th January 2024)



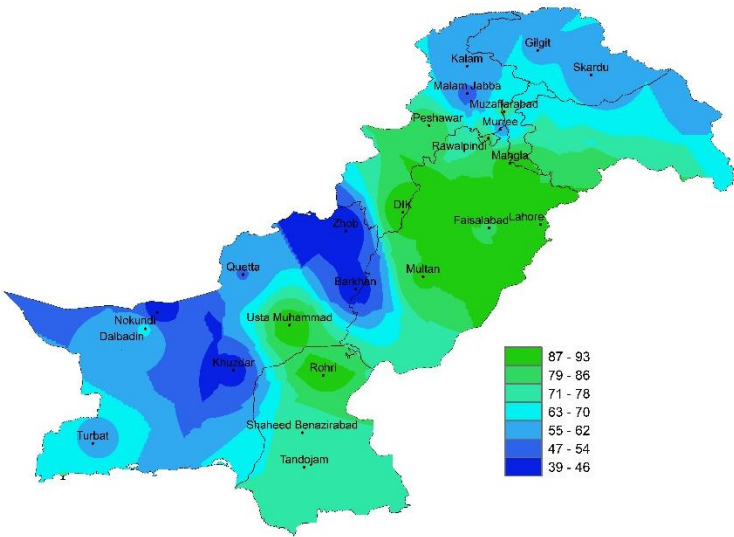
**Actual Minimum temperature (°C) during the
Previous week (01st – 07th January 2024)**



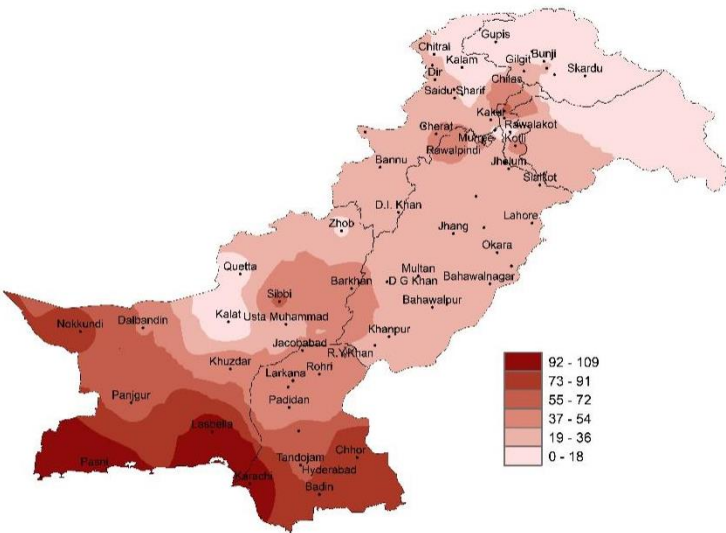
**Departure of Minimum temperature (°C) during the
Previous week (01st – 07th January 2024)**



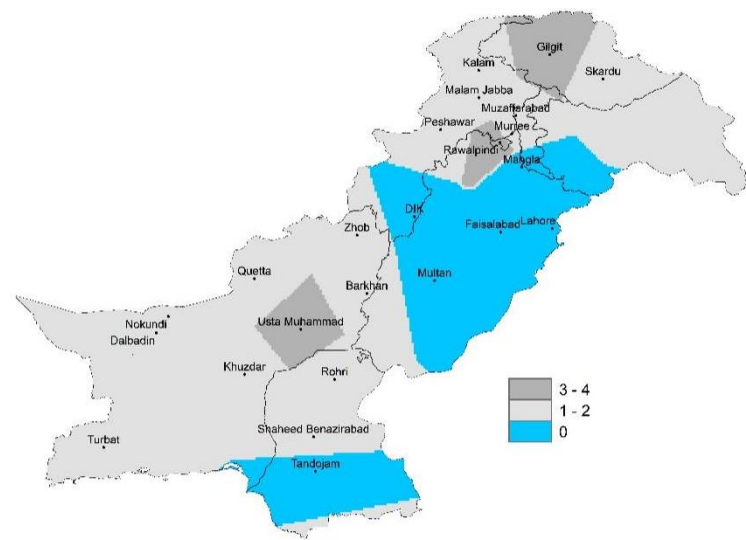
Mean Relative Humidity (%) during the
Previous week (01st – 07th January 2024)



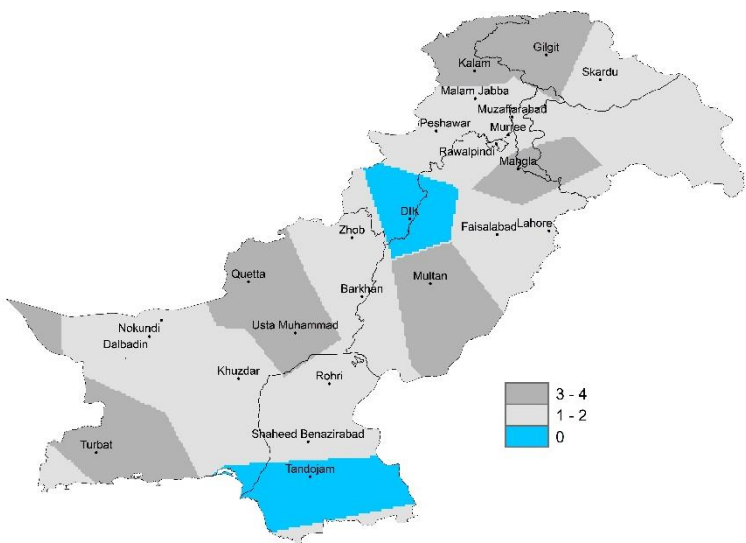
Total Growing Degree Days accumulated during the
Previous week (01st – 07th January 2024)



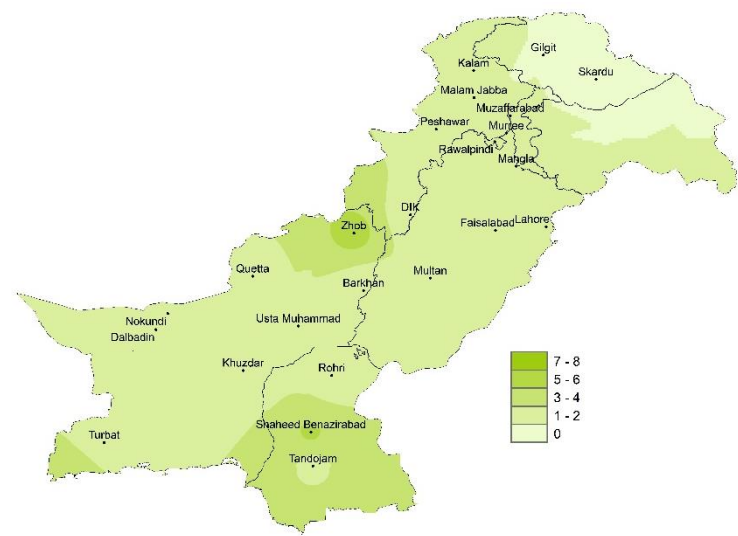
Mean Cloudiness (Octas) at 0800PST during the
Previous week (01st – 07th January 2024)



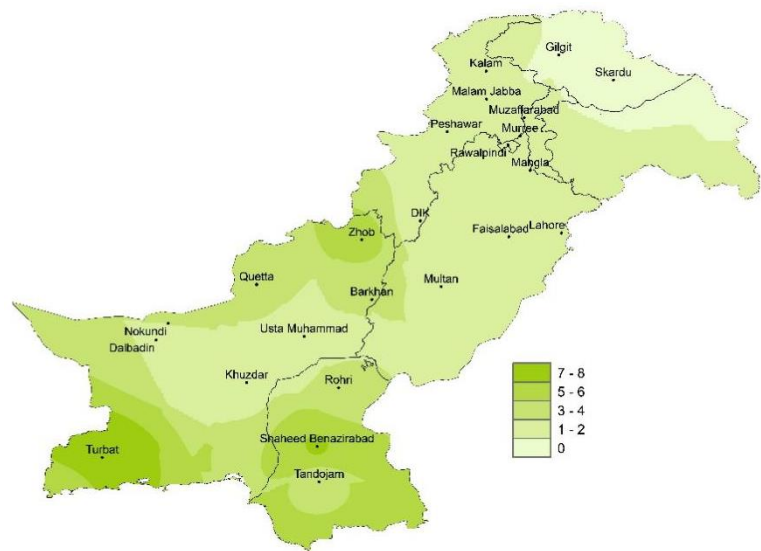
Mean Cloudiness (Octas) at 1700PST during the
Previous week (01st – 07th January 2024)



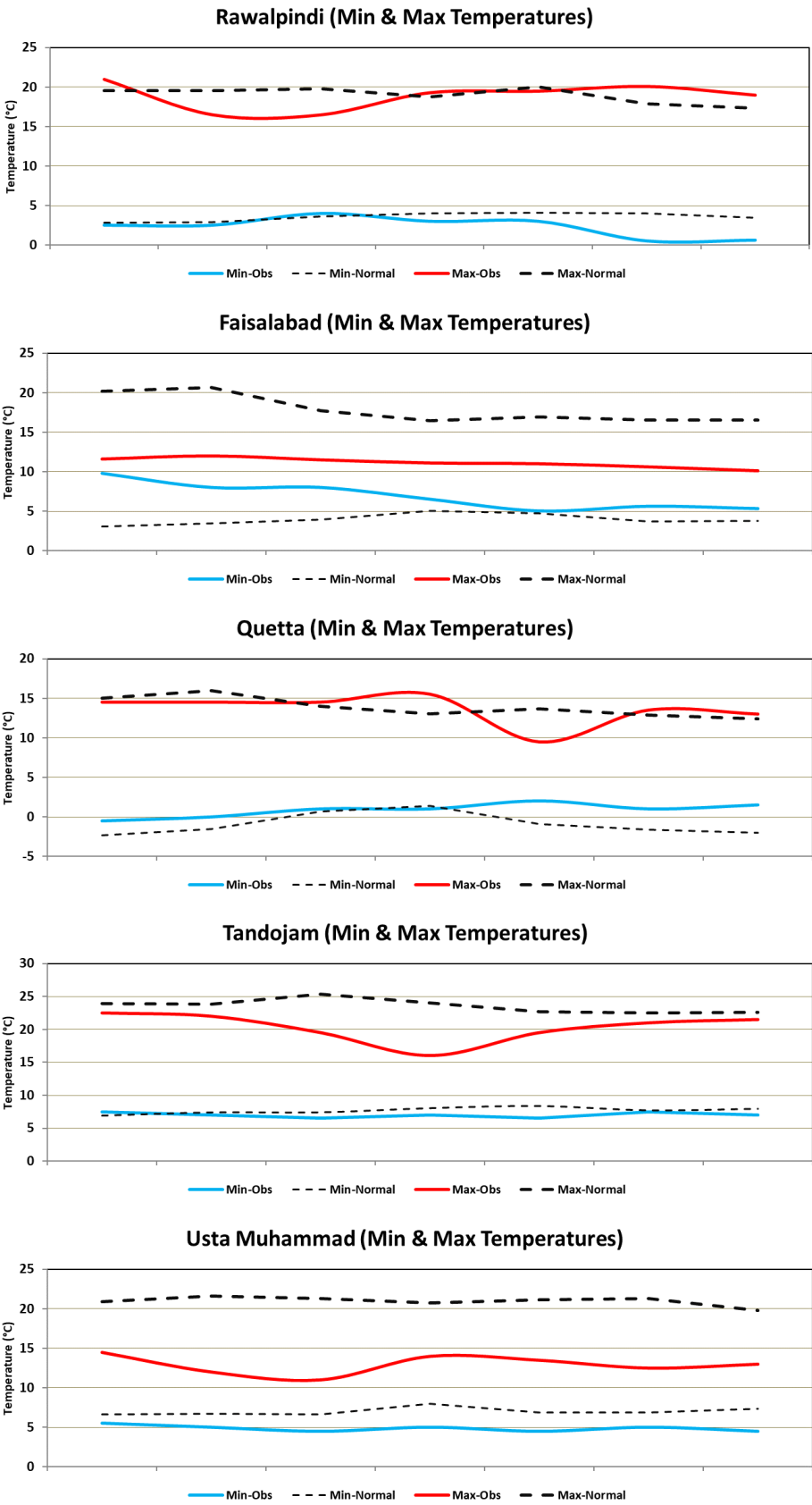
Mean Wind Speed (Knots) at 0800PST during the
Previous week (01st – 07th January 2024)



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 (01st – 07th January 2024)



Weekly Weather Advisory for Farmers**(08th January – 14th January 2024)**

A trough of westerly wave is present over western parts of the country and may persist in upper parts till Tuesday morning.

MONDAY**08-01-2024**

Mainly cold and cloudy weather is expected in most of upper and western parts of the country, while very cold in northern parts. However, rain (snow over mountains) is expected in northern Balochistan and western Khyber Pakhtunkhwa. Light rain/drizzle is likely in upper Khyber Pakhtunkhwa, Gilgit-Baltistan and Kashmir during evening/night. Dense fog/smog is likely to persist in plain areas of Punjab, Khyber Pakhtunkhwa and upper Sindh.

TUESDAY**09-01-2024**

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

WEDNESDAY**10-01-2024**

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 upper Sindh and plain areas of Punjab and Khyber-Pakhtunkhwa during morning and night.

THURSDAY**11-01-2024**

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 upper Sindh and plain areas of Punjab and Khyber-Pakhtunkhwa during morning and night.

FRIDAY**12-01-2024**

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 is likely in Gilgit-Baltistan and Upper Khyber Pakhtunkhwa. Dense fog/smog is likely to persist in upper Sindh and plain areas of Punjab and Khyber-Pakhtunkhwa during morning and night.

SATURDAY**13-01-2024**

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 is likely in Gilgit-Baltistan and Upper Khyber Pakhtunkhwa. Dense fog/smog is likely to persist in upper Sindh and plain areas of Punjab and Khyber-Pakhtunkhwa during morning and night.

SUNDAY**14-01-2024**

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 is likely in Gilgit-Baltistan and Upper Khyber Pakhtunkhwa. Dense 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 (01st – 07th 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	5.2	3.5	19.0	93.5	0.0	***	***	0.9	0.9
Faisalabad	6.9	5.0	28.1	85.5	0.0	0.0	1.4	0.3	0.3
Gawadar	13.3	12.0	108.8	70.1	3.9	1.7	2.4	2.6	5.7
Gilgit	-4.8	-6.0	0.2	61.6	0.0	3.3	3.4	0.0	0.0
Kalam	-4.8	-5.5	0.0	60.8	0.0	1.4	3.4	0.0	0.0
Khuzdar	4.6	3.5	52.5	43.6	12.0	1.0	1.1	0.0	0.9
Lahore	5.7	4.6	24.2	86.5	0.0	0.0	1.5	0.9	0.7
Malam Jabba	0.5	-1.0	0.0	52.1	0.0	1.6	2.1	0.6	1.7
Mangla	4.5	1.9	18.2	93.4	0.0	***	2.8	0.0	0.6
Multan (PBO)	6.1	3.7	27.3	86.9	0.0	0.0	3.5	0.0	1.1
Murree	0.4	-0.5	10.7	56.7	0.0	1.4	1.7	0.9	0.6
Muzaffarabad	2.8	2.6	33.0	71.8	0.0	1.4	0.7	0.0	0.0
Sh. Ben. Abad	8.0	7.5	60.3	73.0	0.0	0.4	0.6	4.3	6.9
Peshawar	3.4	2.0	21.8	82.8	0.0	1.5	2.3	1.3	0.3
Quetta	0.9	-0.5	15.5	54.0	17.2	2.0	3.0	1.1	2.8
Rawalpindi	2.3	0.5	39.0	80.4	0.0	2.3	1.0	0.0	0.0
Rohri	7.3	6.5	41.1	87.1	0.0	0.9	1.1	0.6	2.3
Skardu	-9.3	-9.8	0.0	60.8	0.0	1.7	2.1	0.0	0.0
Tandojam	7.0	6.5	60.5	72.0	0.0	0.0	0.0	1.4	2.6
U.Muhammad	4.9	4.5	27.3	90.0	0.0	2.2	3.7	1.4	1.1
Zhob	-1.1	-2.5	17.5	38.5	0.0	0.9	1.7	4.7	5.0

*** Shows that data was not available.