

Weekly Weather and Crop Bulletin for Pakistan

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Rainfall Distribution (mm) during the Previous Week (25th – 31st December 2023)

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Highlights of Past Weather (25th – 31st December 2023)

- Dry weather reported throughout the country during the past week.
- Above-normal mean daily temperatures were observed in most parts of the country.

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Past Weather of Provinces
(25th – 31st December 2023)**Punjab**

Dry weather reported from the Punjab Province. Weekly maximum and minimum temperatures recorded as 19.1°C & 7.0°C respectively. For the recent week on average 56.0 growing degree days were accumulated. Average relative humidity recorded as 72% and wind speed in the morning/evening recorded as 1.0/1.2 Knots. The lowest minimum temperature was recorded as -1.0°C at Murree.

Baluchistan

Dry weather was reported from the province. Weekly maximum and minimum temperatures recorded as 24.1°C & 6.7°C respectively. For the recent week on average 72.9 growing degree days were accumulated. Average relative humidity recorded 49% and wind speed in the morning/evening recorded as 4.0/3.0 Knots. The lowest minimum temperature recorded as -4.0°C at Kalat.

Khyber Pakhtunkhwa

Dry weather was reported from Khyber Pakhtunkhwa. Weekly maximum and minimum temperatures recorded as 19.4°C & 3.9°C respectively. For the recent week on average 46.8 growing degree days were accumulated. Average relative humidity recorded as 71% and wind speed in the morning/evening recorded as 0.9/0.9 Knots. During the previous week the lowest minimum temperature recorded as -4.5 °C at Kalam.

Sindh

Dry weather was reported from the province. Weekly maximum and minimum temperatures recorded as 25.5°C & 9.9°C respectively. For the recent week, on average 89.0 growing degree days were accumulated. Average relative humidity recorded as 68% and wind speed in the morning/evening recorded as 2.2/3.9 Knots. During the previous week the lowest minimum temperature recorded as 4.5°C at Mohenjo Daro.

Gilgit-Baltistan and Azad Jammu & Kashmir

Dry weather reported from Gilgit Baltistan and Kashmir. Weekly maximum and minimum temperatures recorded as 14.9°C & -0.7°C respectively. For the recent week on average 20.6 growing degree days were accumulated. Average relative humidity recorded as 70%. and wind speed recorded in the morning/evening as 0.1/0.6. The lowest minimum temperature recorded as -9.7°C at Skardu.

Past Weather for Major Agricultural Plains**(25th – 31st December 2023)****Rawalpindi (Potohar region)**

Dry weather reported from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 1.3/0.9 Oktas while, average relative humidity observed as 77%. Mean minimum time temperature was recorded as 3.3°C and for the recent week 56.9 growing degree days were accumulated. Wind speed recorded in the morning/evening as 0.0/0.3 Knots. The lowest minimum temperature was recorded as 3.0°C.

Faisalabad (Central Punjab)

Dry weather reported from Faisalabad during the week; however, cloudiness in the morning/evening recorded 1.6/2.6 Oktas while, average relative humidity observed as 79%. Mean minimum time temperature recorded 7.8°C & for the recent week 62.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.8/0.9 Knots. The lowest minimum temperature was recorded as 6.6°C.

Tandojam (Lower Sindh)

Dry weather reported from Tandojam during the week; however, cloudiness in the morning/evening recorded 0.4/0.3 Oktas while, average relative humidity observed as 70%. Mean minimum time temperature recorded as 9.4°C & for the recent week 87.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/2.3 Knots. The lowest minimum temperature was recorded as 9.0°C.

Usta Muhammad (Eastern Baluchistan)

Dry weather reported from Usta Muhammad during the week; however, cloudiness in the morning/evening recorded as 1.7/1.2 Oktas, average relative humidity observed as 70%. Mean minimum time temperature recorded as 6.3°C & for the recent week 72.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.5/1.7 Knots. The lowest minimum temperature was recorded as 5.5°C.

Quetta (Northern Baluchistan)

Dry weather reported from Quetta during the week; however, cloudiness in the morning/evening recorded as 1.0/1.1 Oktas while, average relative humidity observed as 35%. Mean minimum time temperature recorded as 2.0°C & for the recent

week 35.3 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 (25th – 31st December 2023)**Multan**

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 4.7/1.9 Oktas. Average relative humidity observed as 80%. Mean minimum time temperature recorded as 8.3°C & for the recent week 64.1 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/2.9 Knots.

Lahore

Dry weather was reported from Lahore during the week; however, cloudiness in the morning/evening recorded as 6.0/1.1 Oktas, average relative humidity observed as 86%. Mean minimum time temperature recorded as 5.7°C & for the recent week 42.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

Zhob

Dry weather reported from Zhob during the week; however, cloudiness in the morning/evening recorded as 0.3/0.0 Oktas. Average relative humidity observed as 34%. Mean minimum time temperature recorded as 1.1°C & for the recent week 36.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 5.0/4.7 Knots.

Murree

Dry weather was reported from Murree during the week; however, cloudiness in the morning/evening recorded as 1.1/0.9 Oktas while, average relative humidity observed as 50%. Mean minimum time temperature recorded as 1.3°C & for the recent week 24.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.9/0.6 Knots.

D.I. Khan

Dry weather reported from D.I. Khan during the week; however, cloudiness in the morning/evening recorded as 4.3/1.5 Oktas. Average relative humidity observed as 81%. Mean minimum time

temperature recorded as 9.1°C & for the recent week 69.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/0.3 Knots.

Peshawar

Dry weather reported from Peshawar during the week; however, cloudiness in the morning/evening recorded as 1.0/1.6 Oktas while, average relative humidity observed as 77%. Mean minimum time temperature was recorded as 5.4°C & for the recent week 65.5 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 0.4/1.9 Oktas while, average relative humidity observed as 57%. Mean minimum time temperature recorded as -4.1°C & for the recent week 10.0 growing degree days accumulated. Calm wind recorded in the morning/evening.

Gilgit

Dry weather reported from Gilgit during the week, cloudiness in the morning/evening recorded as 1.3/1.0 Oktas while, average relative humidity observed as 59%. Mean minimum time temperature recorded as -3.9°C & for the recent week 6.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.6 Knots.

Skardu

Dry weather reported from Skardu during the week; however, cloudiness in the morning/evening recorded as 3.3/0.6 Oktas while, average relative humidity observed as 57%. Mean minimum time temperature recorded as -8.2°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)

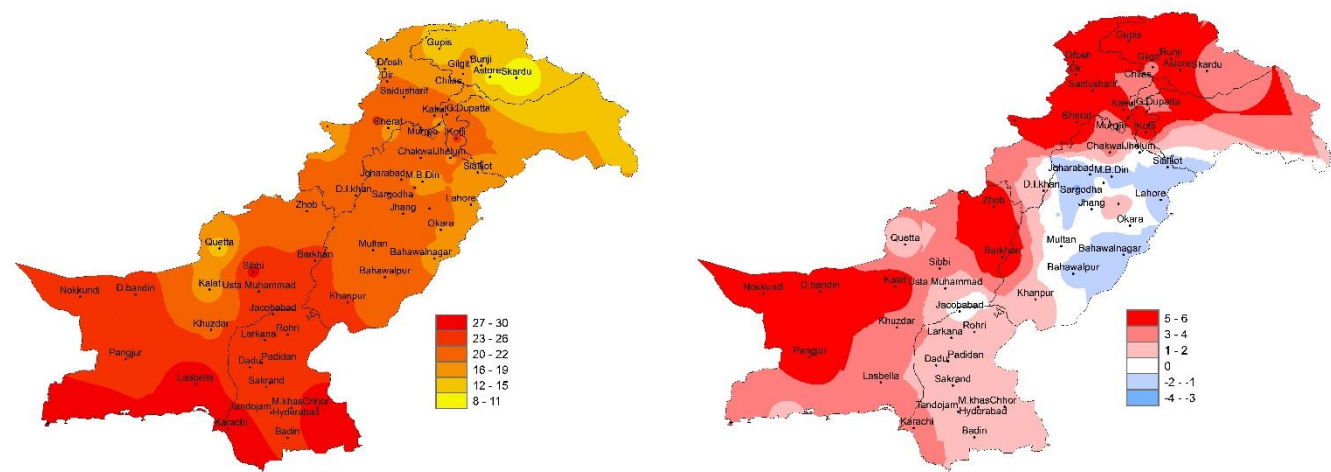
Wheat crop is sown in the fields. Date of sowing 26-11-2023. Variety:TJ83. Phonological Stage: Shooting. Condition: *Very Good*.

Northern Baluchistan (Quetta)

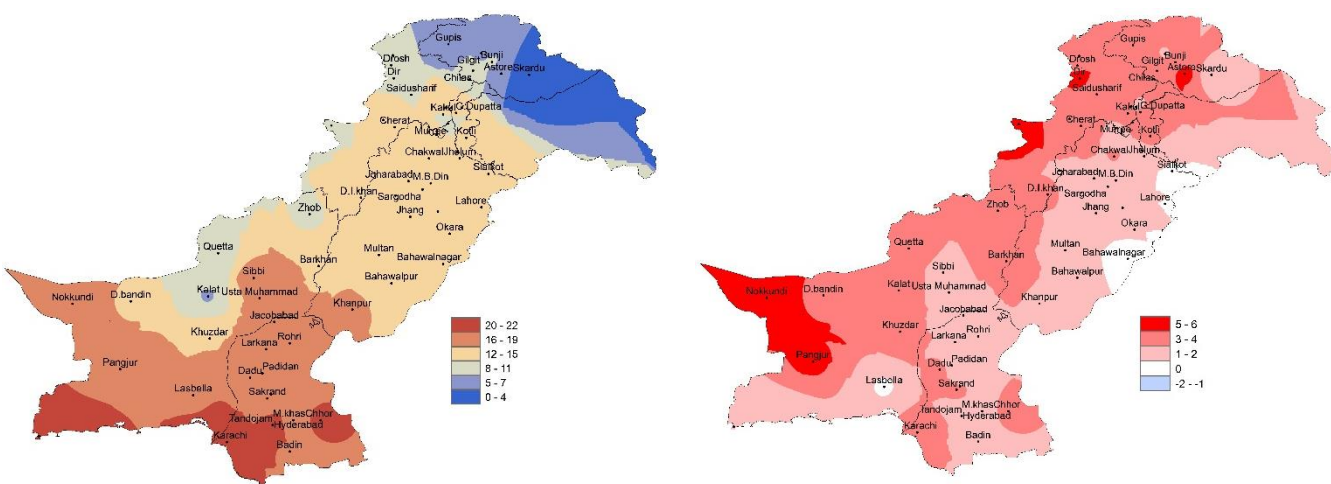
Wheat crop is sown in the fields of RAMC Quetta. Date of sowing 22-11-2023. Phonological Stage: 3rd Leaf. Condition: *Good*

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

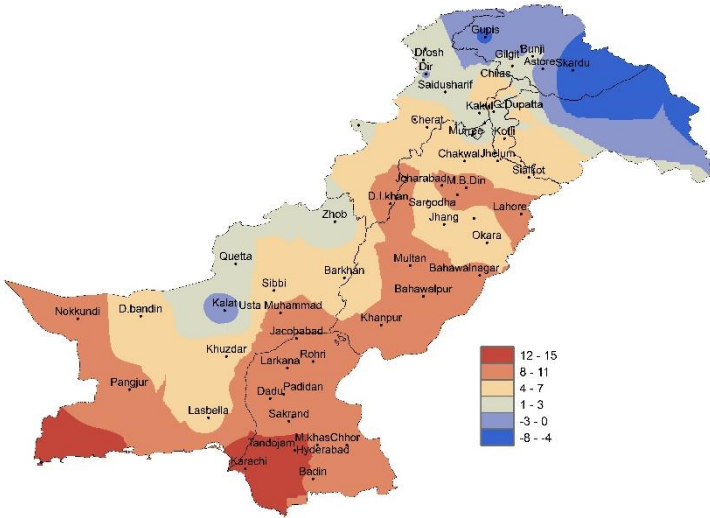
Actual & Departure of Maximum temperature (°C) for the Previous week (25th – 31st December 2023)



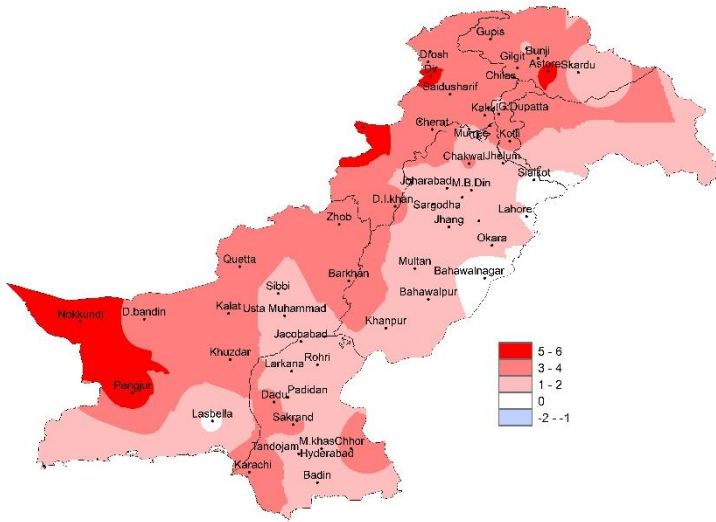
Actual & Departure of Mean temperature (°C) for the Previous week (25th – 31st December 2023)



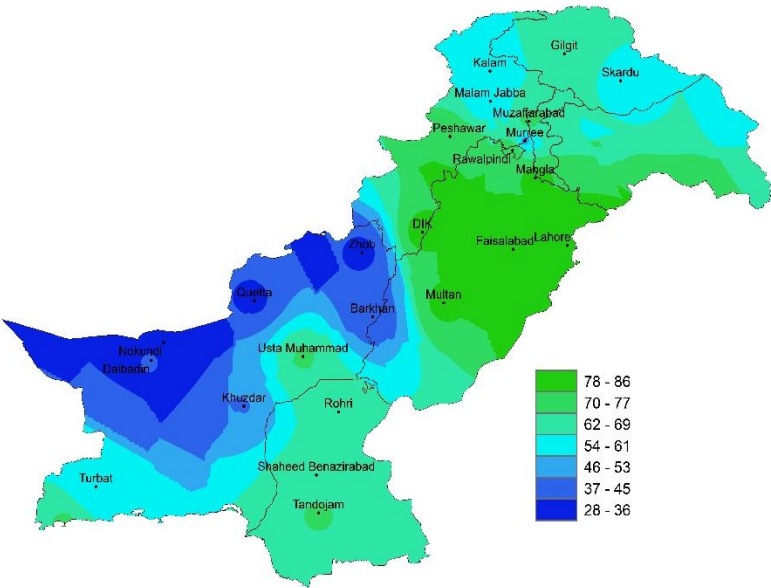
Actual Minimum temperature (°C) during the
Previous week (25th – 31st December 2023)



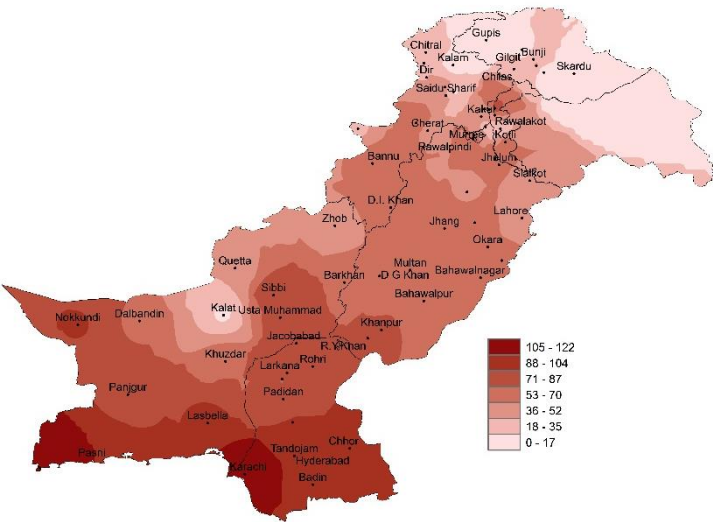
Departure of Minimum temperature (°C) during the
Previous week (25th – 31st December 2023)



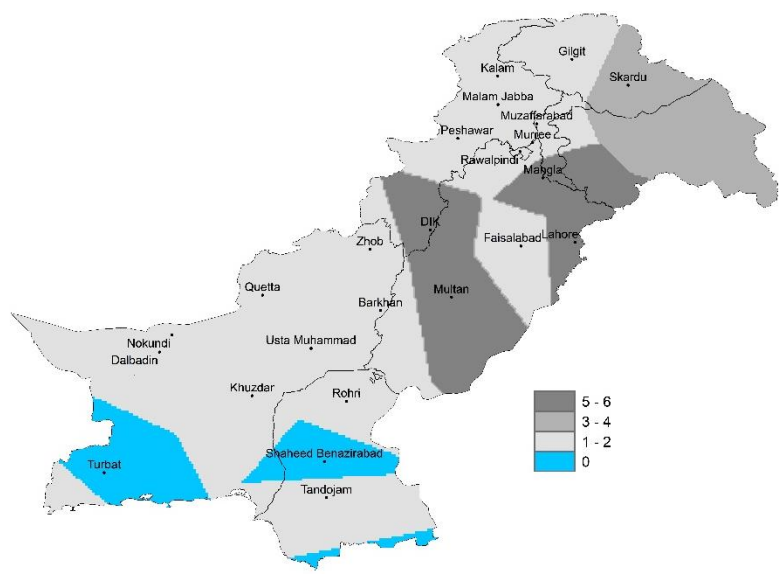
Mean Relative Humidity (%) during the
Previous week (25th – 31st December 2023)



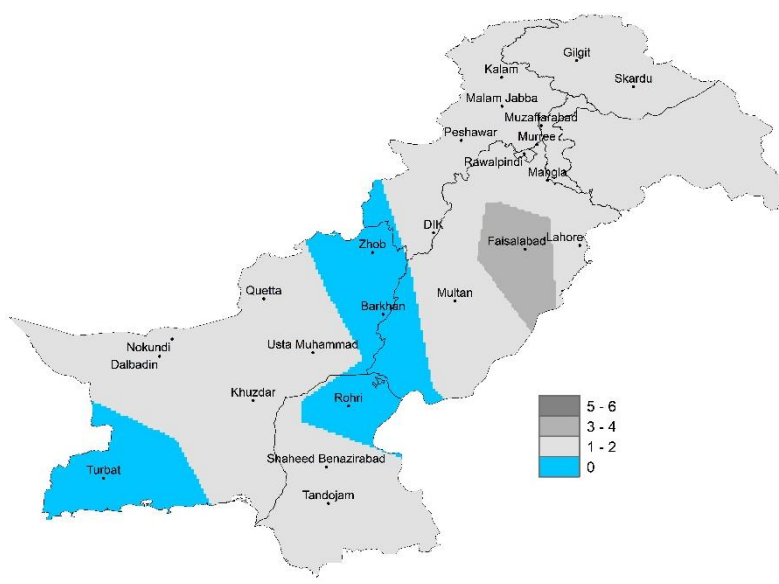
Total Growing Degree Days accumulated during the
Previous week (25th – 31st December 2023)



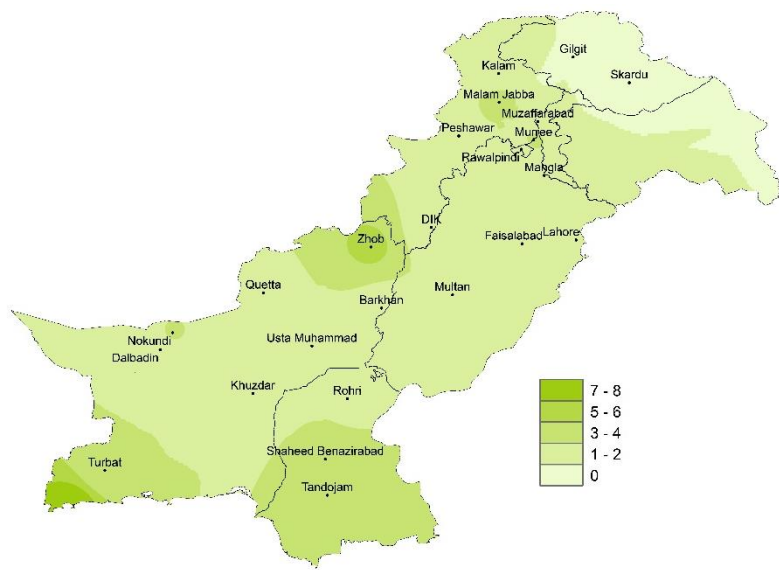
Mean Cloudiness (Octas) at 0800PST during the
Previous week (25th – 31st December 2023)



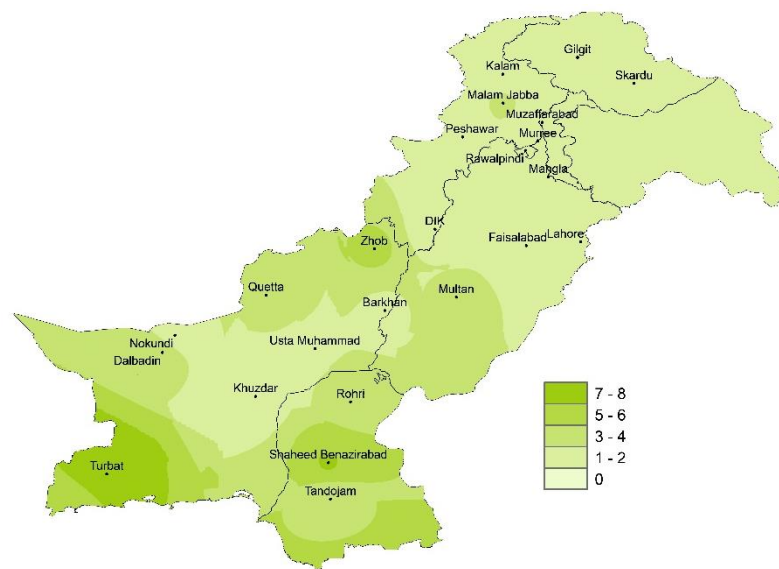
Mean Cloudiness (Octas) at 1700PST during the
Previous week (25th – 31st December 2023)



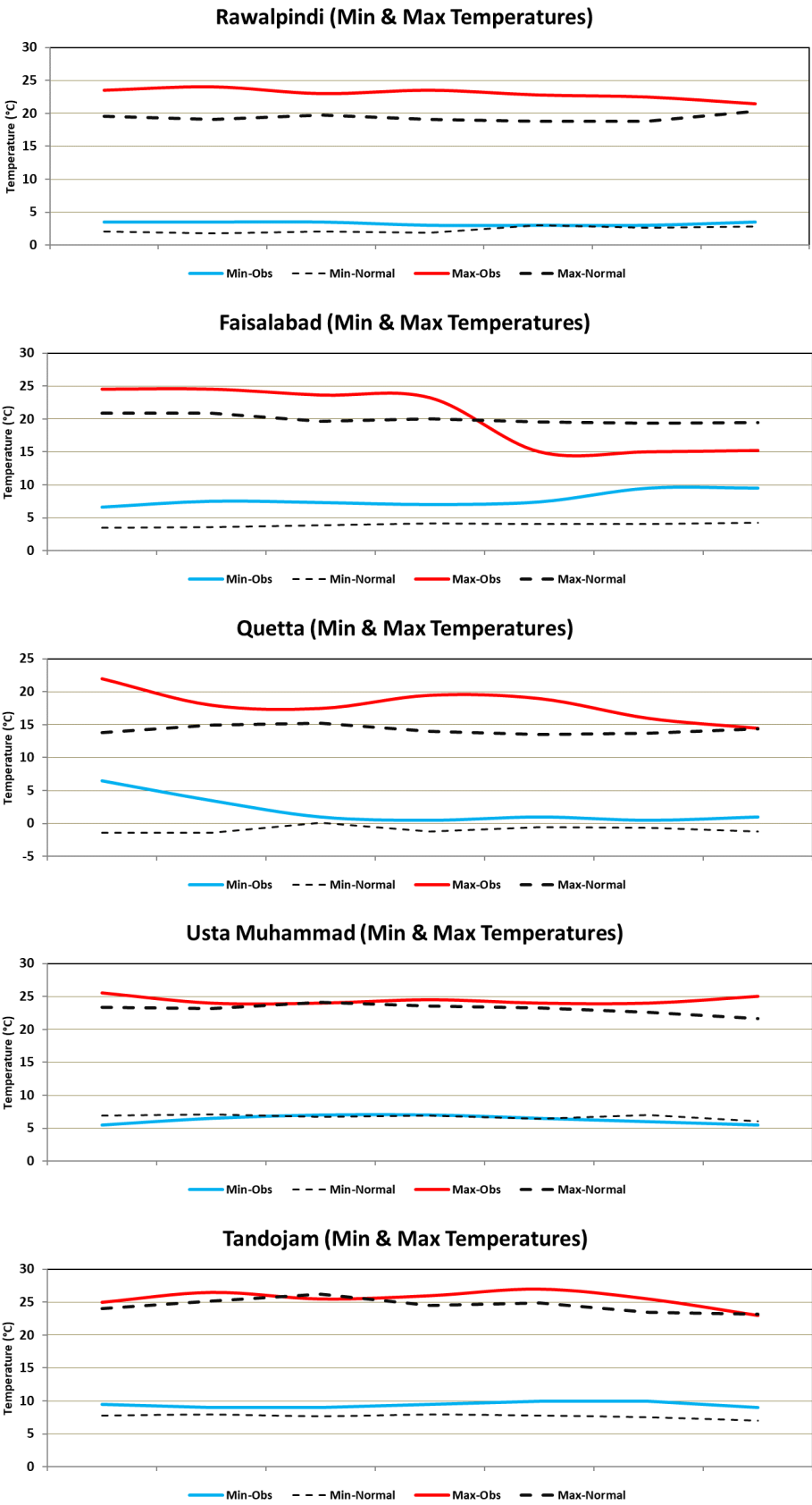
Mean Wind Speed (Knots) at 0800PST during the
Previous week (25th – 31st December 2023)



Mean Wind Speed (Knots) at 1700PST during the
Previous week (25th – 31st December 2023)



Comparison of temperatures for RAMCs (Minimum & Maximum with normal)
during the previous week (25th – 31st December 2023)



Weekly Weather Advisory for Farmers**(1st January – 07th January 2024)**

Continental air is prevailing over most parts of the country.

MONDAY**01-01-2024**

Mainly cold and dry weather is expected in most 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. Fog/smog is likely in plain areas of Khyber-Pakhtunkhwa and upper Sindh during night hours.

TUESDAY**02-01-2024**

Mainly cold and dry weather is expected in most 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. Fog/smog is likely in plain areas of Khyber-Pakhtunkhwa and upper Sindh during morning and night hours.

WEDNESDAY**03-01-2024**

Mainly cold and dry weather is expected in most plain areas of the country, while very cold and partly cloudy in upper parts. Dense fog/smog is likely to persist in plain areas of Punjab and upper Sindh. Fog/smog also likely in plain areas of Khyber-Pakhtunkhwa during morning and night. Partly cloudy is likely in coastal areas of Sindh and Balochistan.

THURSDAY**04-01-2024**

Mainly cold and dry weather is expected in most plain areas of the country, while very cold and partly cloudy in upper parts. Dense fog/smog is likely to persist in plain areas of Punjab and upper Sindh. Fog/smog also likely in plain areas of Khyber-Pakhtunkhwa during morning and night. Partly cloudy is likely in coastal areas of Sindh and Balochistan.

FRIDAY**05-01-2024**

Mainly cold and dry weather is expected in most plain areas of the country, while very cold and partly cloudy in upper parts. However, rain (snow over mountains) is likely at isolated places in upper Khyber Pakhtunkhwa and Gilgit Baltistan. Dense fog/smog is likely to persist in plain areas of Punjab and upper Sindh. Fog/smog also likely in plain areas of Khyber-Pakhtunkhwa during morning and night.

SATURDAY**06-01-2024**

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

SUNDAY**07-01-2024**

Mainly cold and dry weather is expected in plain areas of the country, while very cold and partly cloudy in upper parts. However, rain (snow over mountains) is likely in northern Balochistan and upper Khyber Pakhtunkhwa. 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 (25th – 31st December 2023)

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	9.1	7.0	69.0	80.9	0.0	4.3	1.5	0.3	0.3
Faisalabad	7.8	6.6	62.9	79.0	0.0	1.6	2.6	0.8	0.9
Gawadar	12.4	11.0	106.6	70.3	0.0	0.6	0.0	7.1	4.3
Gilgit	-3.9	-4.6	6.0	68.9	0.0	1.3	1.0	0.0	0.6
Kalam	-4.1	-4.5	10.0	57.4	0.0	0.4	1.9	0.0	0.0
Khuzdar	7.1	6.0	66.8	44.3	0.0	0.4	0.7	0.0	0.0
Lahore	5.7	5.0	42.3	85.6	0.0	6.0	1.1	0.0	0.3
Malam Jabba	1.6	0.0	11.8	53.8	0.0	0.9	0.6	3.1	2.6
Mangla	5.6	4.6	54.2	81.5	0.0	5.7	1.7	0.6	1.7
Multan (PBO)	8.3	7.5	64.1	79.7	0.0	4.7	1.9	0.0	2.9
Murree	1.3	1.0	24.7	50.3	0.0	1.1	0.9	2.9	0.6
Muzaffarabad	3.8	3.2	41.9	72.4	0.0	0.9	1.0	0.0	0.0
Sh. Ben. Abad	9.6	9.0	88.1	66.9	0.0	0.0	0.4	3.3	6.3
Peshawar	5.4	5.0	65.5	76.9	0.0	1.0	1.6	0.3	0.3
Quetta	2.0	0.5	35.3	35.0	0.0	1.0	1.1	1.1	2.8
Rawalpindi	3.3	3.0	56.9	76.8	0.0	1.3	0.9	0.0	0.3
Rohri	10.1	9.5	80.8	67.5	0.0	0.3	0.0	1.3	3.1
Skardu	-8.2	-9.7	0.0	57.4	0.0	3.3	0.6	0.0	0.0
Tandojam	9.4	9.0	87.3	69.5	0.0	0.4	0.3	2.0	2.3
U.Muhammad	6.3	5.5	72.5	70.0	0.0	1.7	1.2	0.5	1.7
Zhob	1.1	-1.5	36.8	33.7	0.0	0.3	0.0	5.0	4.7

*** Shows that data was not available.