

Weekly Weather and Crop Bulletin for Pakistan

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Rainfall Distribution (mm) during the Previous Week (23rd – 29th December 2024)

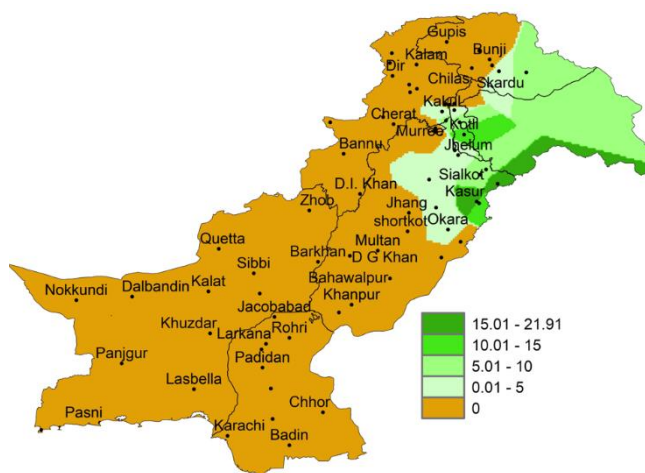


Figure 1: Rainfall.

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Highlights of Past Weather (23rd – 29th December 2024)

- Light to moderate rainfall was reported from northeast Punjab, Gilgit Baltistan & Kashmir, isolated parts of northeast Khyber Pakhtunkhwa.
- Normal to below normal daily maximum temperatures were observed in Punjab & Sindh, whereas normal to above normal in Balochistan, Khyber Pakhtunkhwa and Gilgit Baltistan.
- Normal to below normal daily minimum temperatures were observed in Balochistan, upper Khyber Pakhtunkhwa, Gilgit Baltistan & Kashmir, whereas normal to above normal in Punjab Sindh and lower Khyber Pakhtunkhwa.
- Normal to below normal daily mean temperatures were observed throughout the country, whereas normal to above normal in western Khyber Pakhtunkhwa and some few parts in Punjab.

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

Editor: Irshad Ali (Assistant Meteorologist)

Past Weather of Provinces **(23rd – 29th December 2024)**

Punjab

Light to moderate rain reported from northeast parts of the province during the previous week. Weekly maximum and minimum temperatures recorded as 18.4°C & 5.1°C respectively. Average relative humidity recorded as 71% and wind speed in the morning/evening recorded as 1.0/1.2 Knots. The highest rainfall was reported as 21.91 mm from Narowal. However, the lowest minimum temperature was recorded as -1.5°C at Murree.

Baluchistan

Dry weather reported from the province during the previous week. Weekly maximum and minimum temperatures recorded as 20.3°C & 2.3°C respectively. For the recent week on average 5.6 growing degree days were accumulated. Average relative humidity recorded 33% and wind speed in the morning/evening recorded as 0.8/2.9 Knots. The lowest minimum temperature was recorded -7.0°C at Kalat.

Khyber Pakhtunkhwa

Dry weather reported from most parts, whereas isolated light rainfall was reported from northeast parts of the province during the previous week. Weekly maximum and minimum temperatures recorded as 11.4°C & 0.4°C respectively. Average relative humidity recorded as 70% and wind speed in the morning/evening recorded as 1.6/0.9 Knots. The highest rainfall was reported as 0.01 (trace) mm from Kakul. However, the lowest minimum temperature was recorded as -4.8°C at Kalam.

Sindh

Dry weather reported from the province during the previous week. Weekly maximum and minimum temperatures recorded as 22.9°C & 7.3°C respectively. For the recent week, on average 4.5 growing degree days were accumulated. Average relative humidity recorded as 69% and wind speed in the morning/evening recorded as 1.3/4.8 Knots. The lowest minimum temperature recorded as 1.5°C at Mohenjo Daro.

Gilgit-Baltistan and Azad Jammu & Kashmir

Mainly dry weather prevailed whereas, light rainfall was reported from the Gilgit-Baltistan and Azad Jammu & Kashmir during the previous week. Weekly maximum and minimum temperatures recorded as 11.0°C & -3.5°C respectively. Average relative humidity recorded as 68%. and wind speed recorded in the morning/evening as 0.2/0.6. The highest rainfall was reported as 13.01 mm from Muzaffarabad. However, the lowest minimum temperature was recorded as -13.2°C at Skardu.

Past Weather for Major Agricultural Plains**(23rd – 29th December 2024)****Rawalpindi (Potohar region)**

Dry weather reported from Rawalpindi during the week; however, cloudiness in the morning/evening recorded 2.0/2.3 Oktas while average relative humidity observed as 74%. Mean minimum time temperature was recorded as 2.7°C. Wind speed recorded in the morning/evening as 0.0/0.5 Knots. The lowest minimum temperature was recorded as 1.5°C.

Faisalabad (Central Punjab)

Dry weather reported from Faisalabad during the week; however, cloudiness in the morning/evening recorded as 0.3/2.6 Oktas while, average relative humidity observed as 81%. Mean minimum time temperature recorded 5.5°C. Wind speed recorded in the morning/evening as 0.9/1.1 Knots. The lowest minimum temperature was recorded as 4.5°C.

Tandojam (Lower Sindh)

Dry weather reported from Tandojam during the week; however, clear sky observed in the morning/evening. Average relative humidity observed as 69%. Mean minimum time temperature recorded as 7.5°C. Wind speed recorded in the morning/evening as 1.5/3.2 Knots. The lowest minimum temperature was recorded as 5.5°C.

Usta Muhammad (Eastern Baluchistan)

Dry weather reported from Usta Muhammad during the week; however, cloudiness in the morning/evening recorded as 0.2/0.0 Oktas, while average relative humidity observed as 68%. Mean minimum time temperature recorded as 3.2°C & for the recent week 51.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/1.4 Knots. The lowest minimum temperature was recorded as 2.0°C.

Quetta (Northern Baluchistan)

Dry weather reported from Quetta during the week; however, however cloudiness in the morning/evening recorded as 0.4/0.4 Oktas while, average relative humidity observed as 30%. Mean minimum time temperature recorded as -3.1°C. Wind speed recorded in the morning/evening as 1.1/2.8 Knots. The lowest minimum temperature was recorded as -4.0°C.

Past Weather for Sub-Regional Agricultural Plains (23rd – 29th December 2024)**Multan**

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 2.6/0.3 Oktas while average relative humidity observed as 76%. Mean minimum time temperature recorded as 5.8°C. Wind speed recorded in the morning/evening as 1.1/1.7 Knots.

Lahore

Rainfall reported as 12.00 mm from Lahore during the week; cloudiness in the morning/evening recorded as 4.4/1.6 Oktas while average relative humidity observed as 78%. Mean minimum time temperature recorded as 6.3°C. Wind speed recorded in the morning/evening as 0.0/1.4 Knots.

Zhob

Dry weather reported from Zhob during the week; however, cloudiness in the morning/evening recorded as 0.3/0.0 Oktas while, Average relative humidity observed as 36%. Mean minimum time temperature recorded as -1.8°C. Wind speed recorded in the morning/evening as 2.0/2.0 Knots.

Murree

Rainfall reported as 5.02 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 1.3/2.6 Oktas while, average relative humidity observed as 60%. Mean minimum time temperature recorded as -0.9°C. Wind speed recorded in the morning/evening as 1.7/0.6 Knots.

D.I. Khan

Dry weather reported from D.I. Khan during the week; however, cloudiness in the morning/evening recorded as 2.6/0.0 Oktas while average relative humidity observed as 73%. Mean minimum time temperature recorded as 4.8°C. Wind speed recorded in the morning/evening as 1.1/1.1 Knots.

Peshawar

Dry weather reported from Peshawar during the week; however, cloudiness in the morning/evening recorded as 1.3/2.5 Oktas while, average relative humidity observed as 75%. Mean minimum time temperature was recorded as 1.7°C. Wind speed recorded in the morning/evening as 0.0/0.7 Knots.

Kalam

Dry weather reported from Kalam during the week; however, cloudiness in the morning/evening recorded as 0.6/3.3 Oktas while, average relative humidity observed as 66%. Mean minimum time

temperature recorded as -4.0°C . Wind speed recorded in the morning/evening as calm.

Gilgit

Dry weather reported from Gilgit during the week, cloudiness in the morning/evening recorded as 1.6/1.6 Oktas while, average relative humidity observed as 61%. Mean minimum time temperature recorded as -7.1°C . Wind speed recorded in the morning/evening as 0.0/0.6 Knots.

Skardu

Rainfall reported as 5.50 mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 2.4/3.3 Oktas while, average relative humidity observed as 66%. Mean minimum time temperature recorded as -11.1°C . Wind speed recorded in the morning/evening as calm.

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 of RAMC Faisalabad. Date of sowing 25-11-2024. Phonological Stage: Tillering. Condition: Very good.

Lower Sindh (Tandojam)

Wheat crop is sown in the fields of RAMC Tandojam. Date of sowing 14-11-2024. Phonological Stage: Tillering. Condition: Very Good.

Northern Baluchistan (Quetta)

Wheat crop is sown in the fields of RAMC Quetta. Phonological Stage: Third Leaf. Condition: Good.

Eastern Baluchistan (Usta Muhammad)

Rice crop is sown in the fields of RAMC Usta Muhammad. Date of sowing 01-06-2024. Phonological Stage: Threshing. Condition: *Good*.

Actual & Departure of Maximum temperature (°C) for the Previous week (23rd – 29th December 2024)

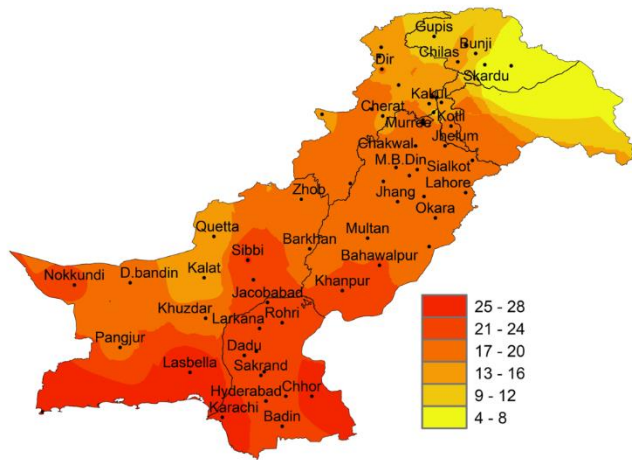


Figure 2: Actual Maximum temperature.

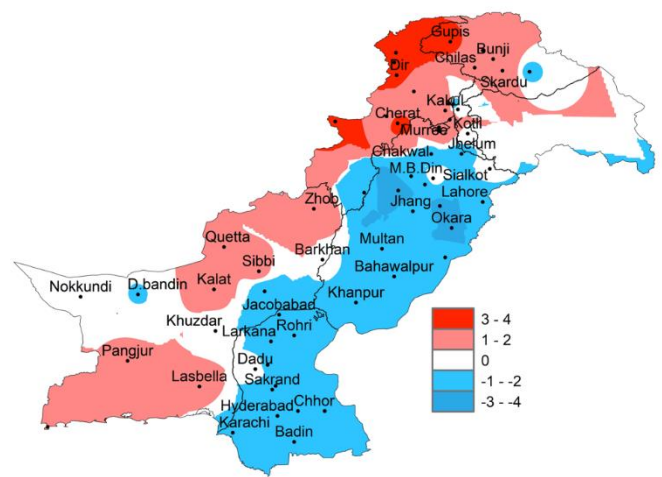


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (23rd – 29th December 2024)

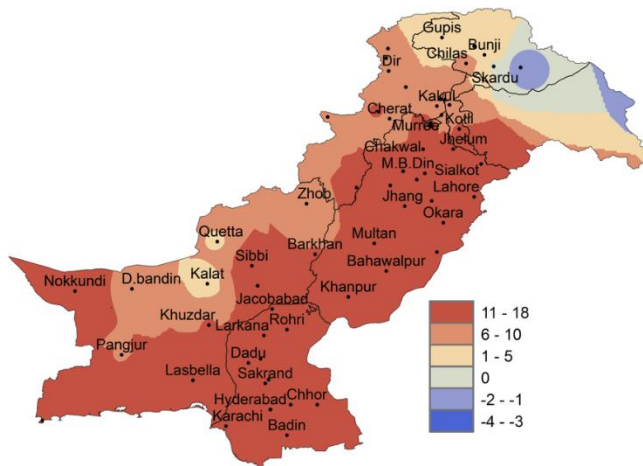


Figure 5: Actual Mean temperature.

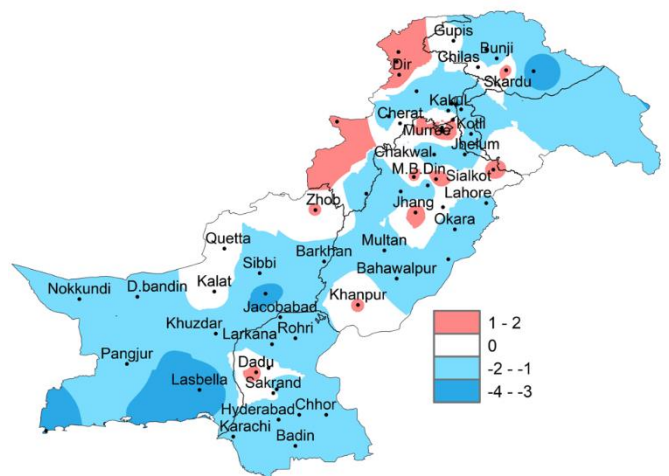


Figure 4: Departure of Mean temperature.

Actual Minimum temperature (°C) during the Previous week (23rd – 29th December 2024)

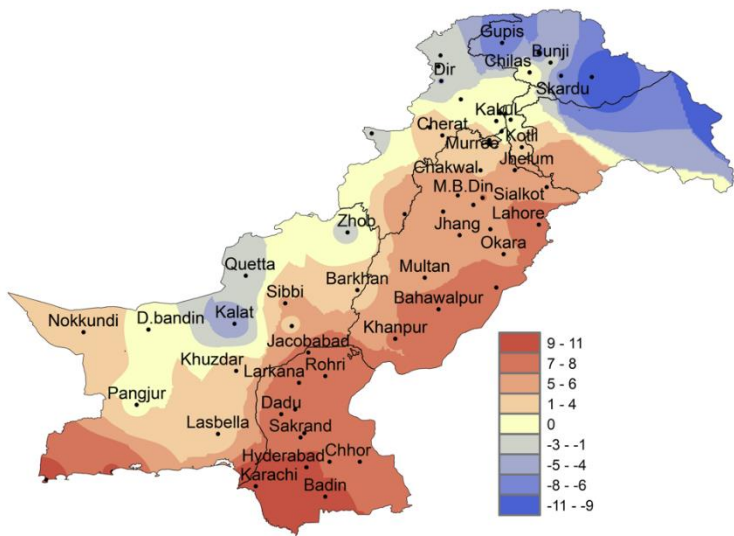


Figure 6: Actual Minimum temperature.

Departure of Minimum temperature (°C) during the Previous week (23rd – 29th December 2024)

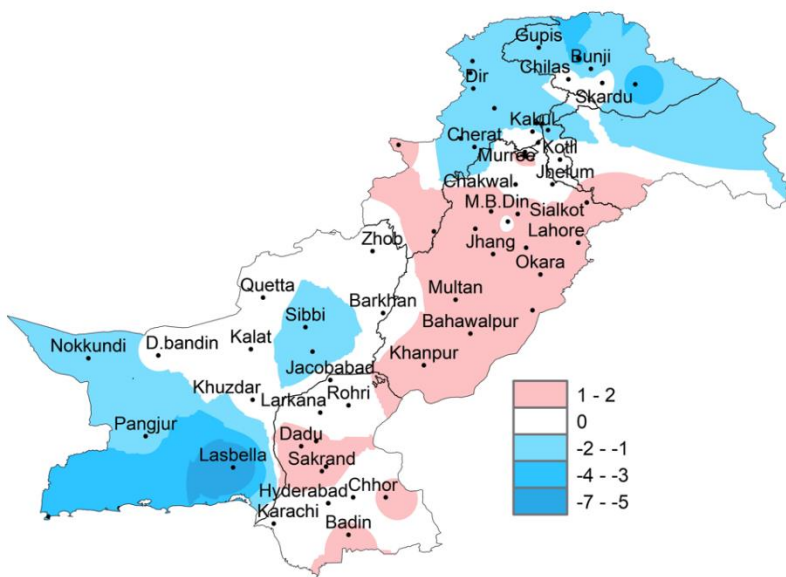


Figure 7: Departure of Minimum temperature.

Mean Relative Humidity (%) during the Previous week (23rd – 29th December 2024)

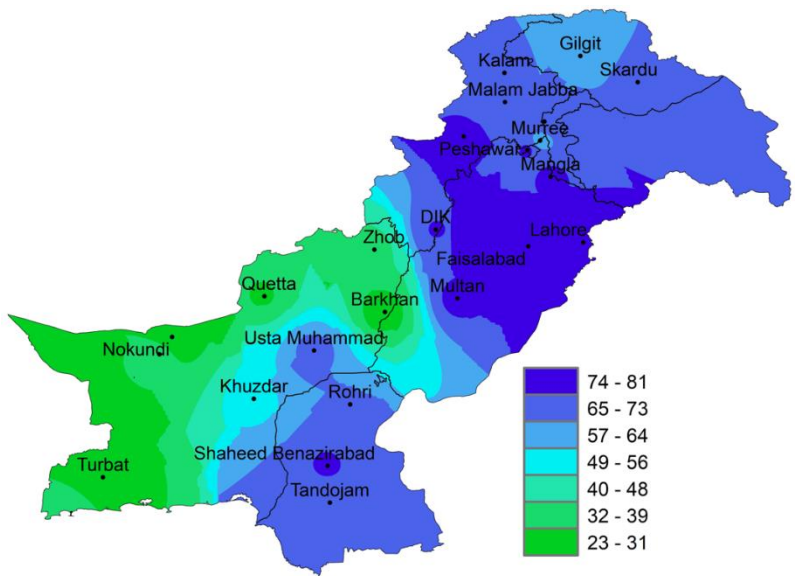


Figure 8: Relative Humidity

Total Growing Degree Days accumulated during the Previous week (23rd – 29th December 2024)

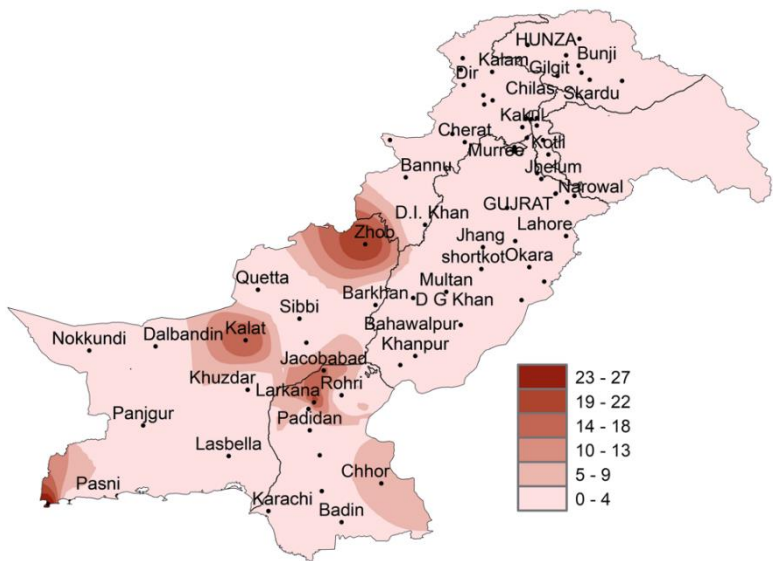


Figure 9: Growing Degree Days

**Mean Cloudiness (Octas) at 0800PST during the
Previous week (23rd – 29th December 2024)**

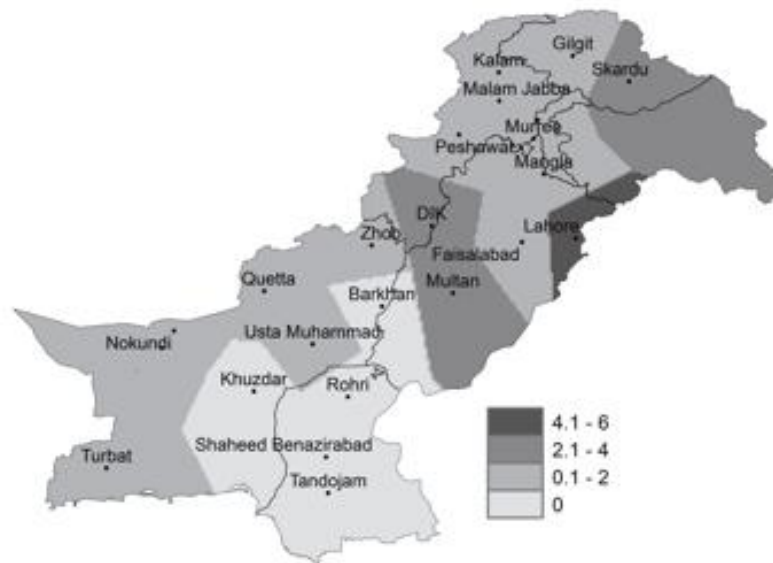


Figure 10: Mean Cloudiness at 0800

**Mean Cloudiness (Octas) at 1700PST during the
Previous week (23rd – 29th December 2024)**

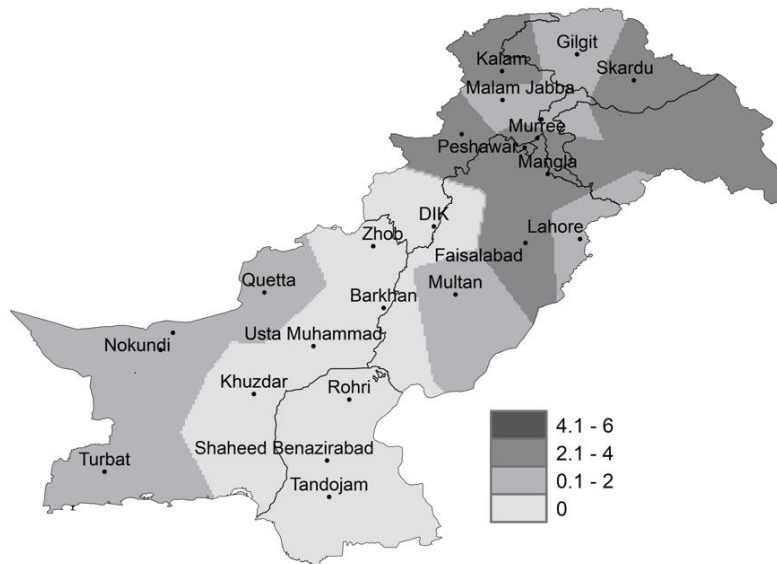


Figure 11: Mean Cloudiness at 1700

**Mean Wind Speed (Knots) at 0800PST during the
Previous week (23rd – 29th December 2024)**

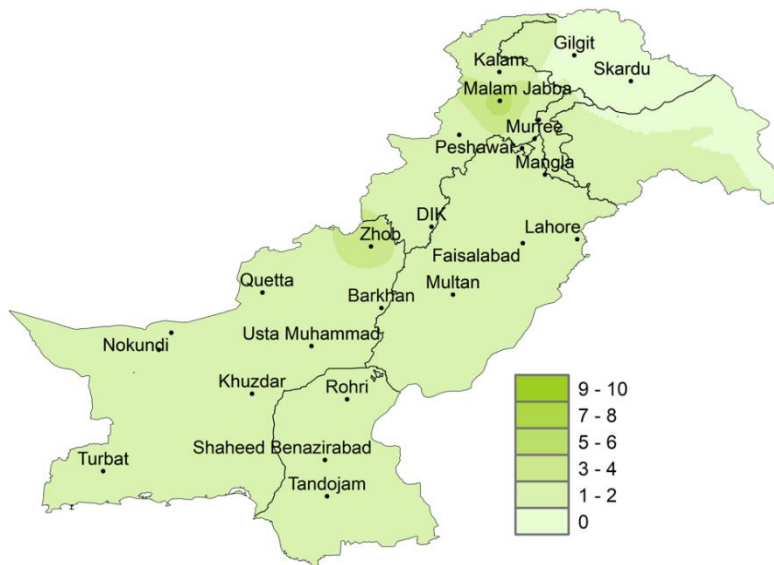


Figure 12: Mean Wind Speed 0300

**Mean Wind Speed (Knots) at 1700PST during the
Previous week (23rd – 29th December 2024)**

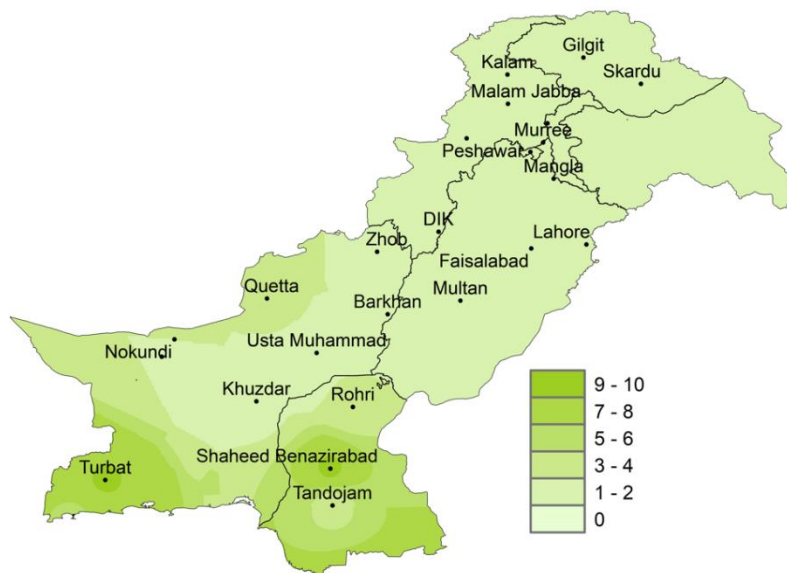
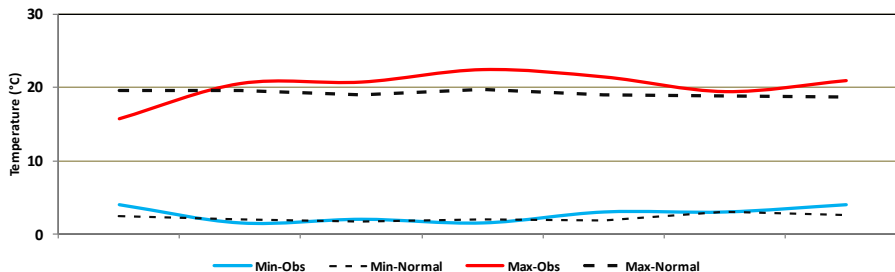


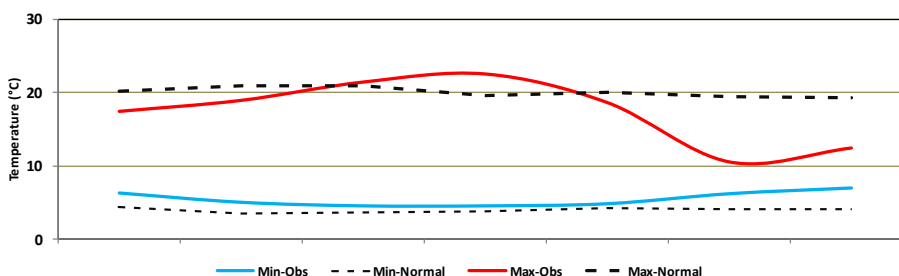
Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal) during the previous week (23rd – 29th December 2024)

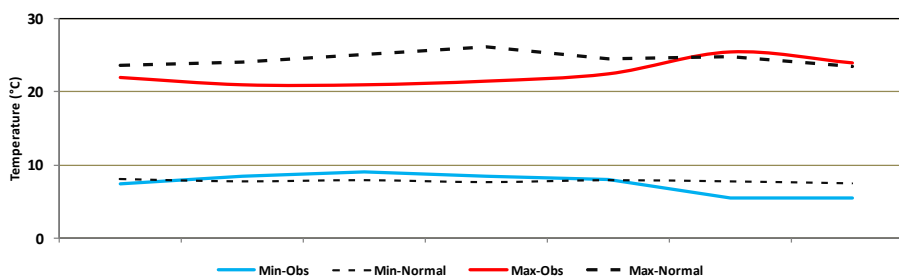
Rawalpindi (Min & Max Temperatures)



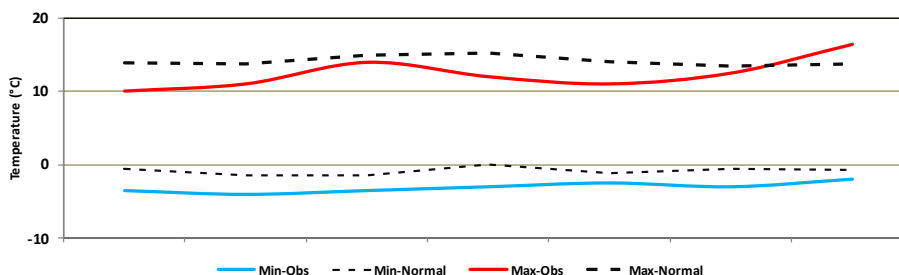
Faisalabad (Min & Max Temperatures)



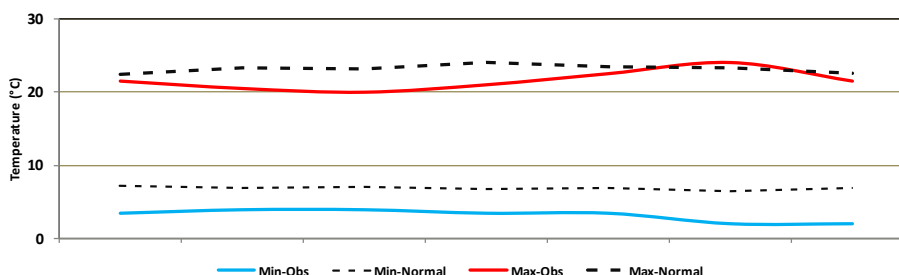
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**(30th December 2024 – 05th January 2025)**

Continental air is prevailing over most parts of the country. A westerly wave is likely to approach western/upper parts of the country from 31st December (evening/night) and may persist during next few days.

MONDAY**30-12-2024**

Mainly cold and dry weather is expected in most parts of the country, while very cold and partly cloudy in hilly areas. Moderate and dense fog is likely to persist in most plain areas of Punjab, Khyber Pakhtunkhwa and upper Sindh during night hours.

TUESDAY**31-12-2024**

Mainly cold and dry weather is expected in most parts of the country, while very cold and partly cloudy in hilly areas. Frost is likely at isolated places in Islamabad and upper Khyber Pakhtunkhwa during morning hours. Moderate and dense fog is likely to persist in most plain areas of Punjab, Khyber Pakhtunkhwa and upper Sindh during morning/night hours.

WEDNESDAY**01-01-2025**

Mainly cold and dry weather is expected in most parts of the country, while very cold/cloudy weather with light rain/snow is expected at isolated places in upper Khyber Pakhtunkhwa, northwest Balochistan and Gilgit Baltistan. Shallow fog (in patches) is likely in plain areas of Punjab and central/upper Sindh during morning/ night hours.

THURSDAY**02-01-2025**

Rain/snow is expected in Khyber Pakhtunkhwa, Gilgit Baltistan, Kashmir, Murree, Galiyat and northwest/western Balochistan. Cloudy weather with Isolated rain is likely in Islamabad & Potohar region during the period. Cold and dry weather is expected in other parts of the country.

FRIDAY**03-01-2025**

Scattered rain (with snow) is expected in western parts of Khyber Pakhtunkhwa, Gilgit Baltistan, Kashmir, Murree, Galiyat and northwest Balochistan. Cloudy weather with Isolated rain is likely in Islamabad & Potohar region during the period. Cold and dry weather is expected in other parts of the country.

SATURDAY**04-01-2025**

Scattered rain (with snow) is expected in Khyber Pakhtunkhwa, Gilgit Baltistan, Kashmir, Murree, Galiyat and northwest Balochistan. Cloudy weather with Isolated rain is likely in Islamabad & Potohar region during the period. Cold and dry weather is expected in other parts of the country.

SUNDAY**05-01-2025**

Scattered rain (with snow) is expected in upper Khyber Pakhtunkhwa, Gilgit Baltistan, Kashmir, Murree and Galiyat. Cloudy weather with Isolated rain is likely in Islamabad & Potohar region during the period. Cold and dry weather is expected in other parts of the country.

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (23rd – 29th December 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	4.5	0.0	73	0.00	2.6	0.0	1.1	1.1
Faisalabad	5.5	4.5	-24.7	81	0.00	0.3	2.6	0.9	1.1
Gawadar	10.4	9.0	26.8	36	0.00	0.3	0.7	1.7	5.4
Gilgit	-7.1	-8.0	0.0	61	0.00	1.6	1.6	0.0	0.6
Kalam	-4.0	-4.8	0.0	66	0.00	0.6	3.3	0.0	0.0
Khuzdar	2.5	2.0	0.0	53	0.00	0.0	0.0	0.0	0.0
Lahore	6.3	5.5	0.0	78	12.00	4.4	1.6	0.0	1.4
Malam Jabba	-1.5	-3.0	0.0	65	0.00	0.6	0.7	5.1	1.1
Mangla	3.6	2.7	0.0	74	2.40	1.0	2.1	0.9	2.0
Multan (PBO)	5.8	4.5	0.0	76	0.00	2.6	0.3	1.1	1.7
Murree	-0.9	-1.5	0.0	60	5.02	1.3	2.6	1.7	0.6
Muzaffarabad	0.2	-0.5	0.0	71	0.00	1.4	1.9	0.0	0.0
Sh. Ben. Abad	6.5	4.5	0.0	74	0.00	0.0	0.0	1.1	8.6
Peshawar	1.7	0.6	0.0	75	0.00	1.3	2.5	0.0	0.7
Quetta	-3.1	-4.0	-2.3	30	0.00	0.4	0.4	1.1	2.8
Rawalpindi	2.7	15.8	-24.7	74	0.00	2.0	2.3	0.0	0.5
Rohri	8.1	6.5	0.0	64	0.00	0.0	0.0	1.4	2.6
Skardu	-11.1	-13.2	0.0	66	5.50	2.4	3.3	0.0	0.0
Tandojam	7.5	5.5	0.0	69	0.00	0.0	0.0	1.5	3.2
U.Muhammad	3.2	2.0	51.8	68	0.00	0.2	0.0	1.1	1.4
Zhob	-1.8	-2.5	0.0	36	0.00	0.3	0.0	2.0	2.0

*** Shows that data was not available.