

Weekly Weather and Crop Bulletin for Pakistan

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Rainfall Distribution (mm) during the Previous Week (02nd – 08th December 2024)

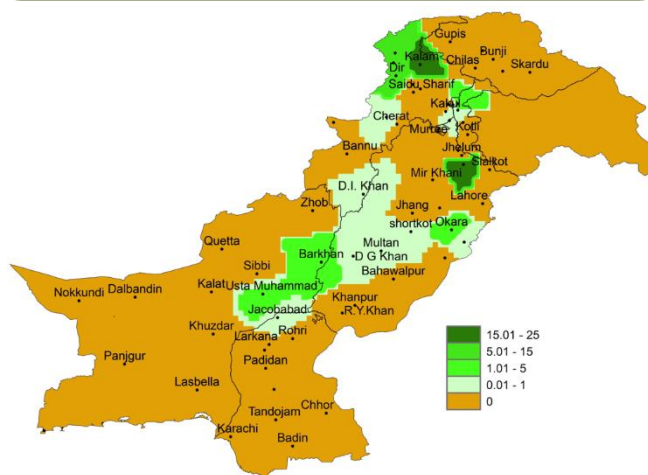


Figure 1: Rainfall.

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Highlights of Past Weather (02nd – 08th December 2024)

- Light to moderate rainfall was reported from Khyber Pakhtunkhwa, whereas light rainfall from central & southern Punjab, upper Sindh, northeast Balochistan and Kashmir.
- Normal to above normal daily maximum temperatures were observed in most parts of the country, whereas normal to below in northwest Balochistan, central Punjab and isolated parts in north Khyber Pakhtunkhwa.
- Above normal daily minimum temperatures were observed in most parts of the country, whereas normal to below normal in upper Khyber Pakhtunkhwa, Gilgit Baltistan and isolated parts in Balochistan.
- Normal to above normal mean daily temperatures were observed in most parts of the country.

Patron-in-Chief: Mahr Sahibzad Khan (Director General)

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

Editor: Irshad Ali (Assistant Meteorologist)

Past Weather of Provinces **(02nd – 08th December 2024)**

Punjab

Mainly dry weather prevailed in most parts, however light rain also reported from central & southern parts of the province during the previous week. Weekly maximum and minimum temperatures recorded as 23.9°C & 9.0°C respectively. For the recent week on average 12.5 growing degree days were accumulated. Average relative humidity recorded as 61% and wind speed in the morning/evening recorded as 0.8/0.7 Knots. The highest rainfall was reported as 8.01 mm from Mianwali. However, the lowest minimum temperature was recorded as 1.0°C at Murree.

Baluchistan

Mainly dry weather prevailed in most parts, however light rain also reported from northeastern parts of the province during the previous week. Weekly maximum and minimum temperatures recorded as 22.5°C & 8.2°C respectively. For the recent week on average 18.9 growing degree days were accumulated. Average relative humidity recorded 33% and wind speed in the morning/evening recorded as 2.5/4.3 Knots. The Maximum rainfall was reported as 4.00 mm from Barkhan. However, the lowest minimum temperature was recorded as -7.0°C at Kalat.

Khyber Pakhtunkhwa

Light to moderate rainfall reported from the province during the previous week. Weekly maximum and minimum temperatures recorded as 17.7°C & 4.0°C respectively. For the recent week on average 1.9 growing degree days were accumulated. Average relative humidity recorded as 68% and wind speed in the morning/evening recorded as 1.2/1.6 Knots. Maximum rainfall was reported as 25.00 mm from Mirkhani. However, the lowest minimum temperature recorded as -5.2°C at Kalam.

Sindh

Mainly dry weather prevailed in most parts, however light rain also reported from upper parts of

the province during the previous week. Weekly maximum and minimum temperatures recorded as 22.5°C & 13.9°C respectively. For the recent week, on average 42.5 growing degree days were accumulated. Average relative humidity recorded as 66% and wind speed in the morning/evening recorded as 1.7/2.7 Knots. The highest rainfall was reported as 1.00 mm from Jacobabad. However, the lowest minimum temperature recorded as 5.00°C at Mithi.

Gilgit-Baltistan and Azad Jammu & Kashmir

Mainly dry weather prevailed in Gilgit Baltistan and light rain reported from Kashmir during the previous week. Weekly maximum and minimum temperatures recorded as 14.1°C & 0.7°C respectively. Average relative humidity recorded as 62%. and wind speed recorded in the morning/evening as 0.4/0.1. The highest rainfall was reported as 0.02 mm from Garhi Dopatta. However, the lowest minimum temperature recorded as -8.6°C at Skardu.

Past Weather for Major Agricultural Plains**(02nd – 08th December 2024)****Rawalpindi (Potohar region)**

Dry weather reported from Rawalpindi during the week; however, cloudiness in the morning/evening recorded 2.7/2.4 Oktas while average relative humidity observed as 67%. Mean minimum time temperature was recorded as 7.5°C and for the recent week 2.1 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 5.5°C.

Faisalabad (Central Punjab)

Dry weather reported from Faisalabad during the week; however, cloudiness in the morning/evening recorded as 1.7/0.7 Oktas while, average relative humidity observed as 65%. Mean minimum time temperature recorded 9.2°C & for the recent week 14.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.9/1.1 Knots. The lowest minimum temperature was recorded as 6.0°C.

Tandojam (Lower Sindh)

Dry weather reported from Tandojam during the week; however, clear sky has been observed in the morning/evening while, average relative humidity observed as 70%. Mean minimum time temperature recorded as 13.6°C & for the recent week 39.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.6/1.2 Knots. The lowest minimum temperature was recorded as 8.5°C.

Usta Muhammad (Eastern Baluchistan)

Rainfall reported as 1.01 mm from Usta Muhammad during the week; however, cloudiness was recorded in the morning/evening as 1.4/0.7 Oktas, while average relative humidity observed as 68%. Mean minimum time temperature recorded as 12.1°C & for the recent week 98.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.5/0.8 Knots. The lowest minimum temperature was recorded as 9.0°C.

Quetta (Northern Baluchistan)

Dry weather reported from Quetta during the week; however, however cloudiness in the morning/evening recorded as 0.9/0.4 Oktas while, average relative humidity observed as 36%. Mean minimum time temperature recorded as 1.9°C & for the recent week 16.5 growing degree days

accumulated. Wind speed recorded in the morning/evening as 1.8/4.4 Knots. The lowest minimum temperature was recorded as 0.0°C.

Past Weather for Sub-Regional Agricultural Plains (02nd – 08th December 2024)**Multan**

Rainfall reported as 1.00 mm from Multan during the week; however, cloudiness in the morning/evening recorded as 1.6/1.0 Oktas while average relative humidity observed as 68%. Mean minimum time temperature recorded as 11.2°C & for the recent week 20.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.6/0.6 Knots.

Lahore

Dry weather reported from Lahore during the week; cloudiness in the morning/evening recorded as 0.9/0.0 Oktas while average relative humidity observed as 59%. Mean minimum time temperature recorded as 9.7°C & for the recent week 13.0 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 0.3/0.3 Oktas while, Average relative humidity observed as 38%. Mean minimum time temperature recorded as 5.4°C. Wind speed recorded in the morning/evening as 2.1/3.3 Knots.

Murree

Rainfall reported as 1.00 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 3.0/2.3 Oktas while, average relative humidity observed as 54%. Mean minimum time temperature recorded as 2.0°C. Wind speed recorded in the morning/evening as 1.7/1.1 Knots.

D.I. Khan

Rainfall reported as 1.00 mm from D.I. Khan during the week; however, cloudiness in the morning/evening recorded as 1.4/0.4 Oktas while average relative humidity observed as 67%. Mean minimum time temperature recorded as 10.9°C & for the recent week 21.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/1.1 Knots.

Peshawar

Rainfall reported as 0.01 mm (trace) from Peshawar during the week; however, cloudiness in the morning/evening recorded as 1.0/1.7 Oktas while, average relative humidity observed as 65%. Mean minimum time temperature was recorded as 5.2°C. Wind speed recorded in the morning/evening as 0.3/0.9 Knots.

Kalam

Rainfall reported as 19.00 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 2.3/3.3 Oktas while, average relative humidity observed as 59%. Mean minimum time temperature recorded as -3.5°C. Wind speed recorded in the morning/evening as calm.

Gilgit

Dry weather from Gilgit during the week, cloudiness in the morning/evening recorded as 3.6/2.7 Oktas while, average relative humidity observed as 67%. Mean minimum time temperature recorded as -1.8°C. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

Skardu

Dry weather reported from Skardu during the week; however, cloudiness in the morning/evening recorded as 3.6/3.3 Oktas while, average relative humidity observed as 59%. Mean minimum time temperature recorded as -5.8°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: Third Lead. 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 started. Condition: Good.

Northern Baluchistan (Quetta)

Wheat crop is sown in the fields of RAMC Quetta. Phonological Stage: Emergence. 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: Harvesting. Condition: *Good*.

Actual & Departure of Maximum temperature (°C) for the Previous week (02nd – 08th December 2024)

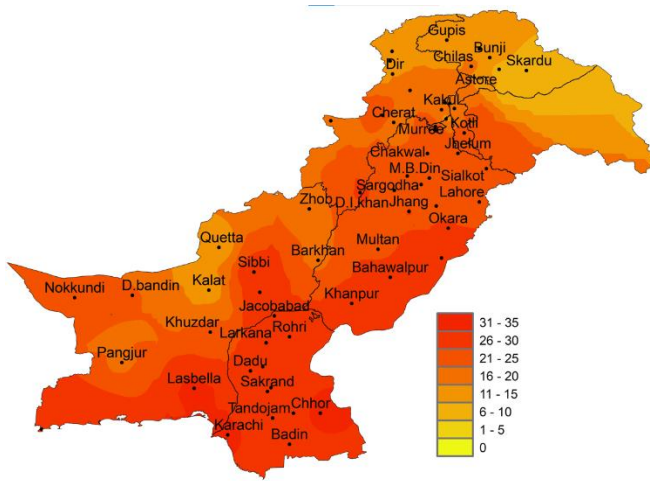


Figure 2: Actual Maximum temperature.

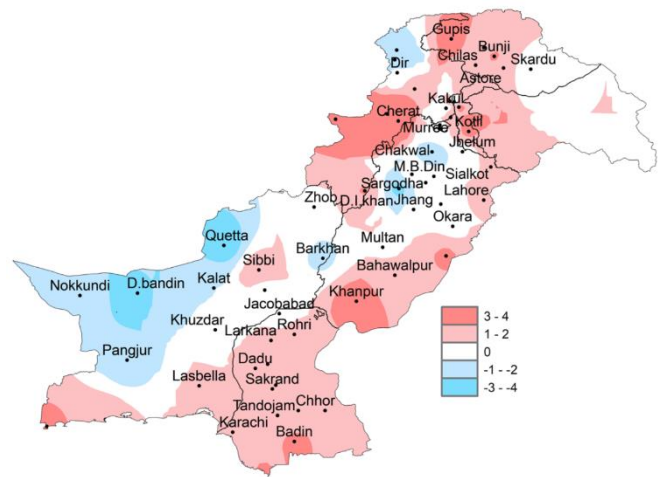


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (02nd – 08th December 2024)

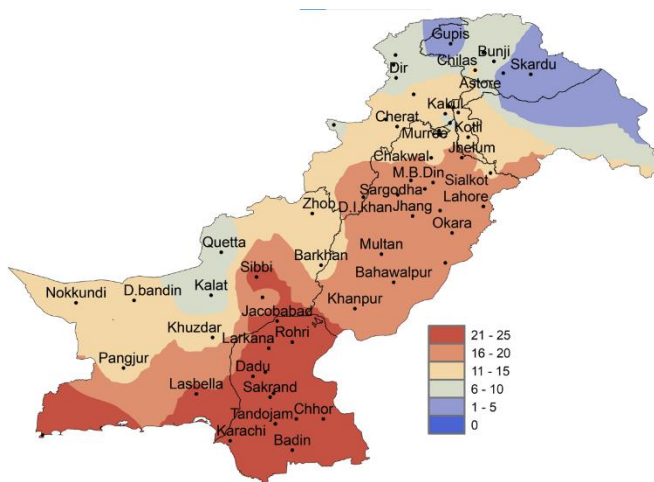


Figure 5: Actual Mean temperature.

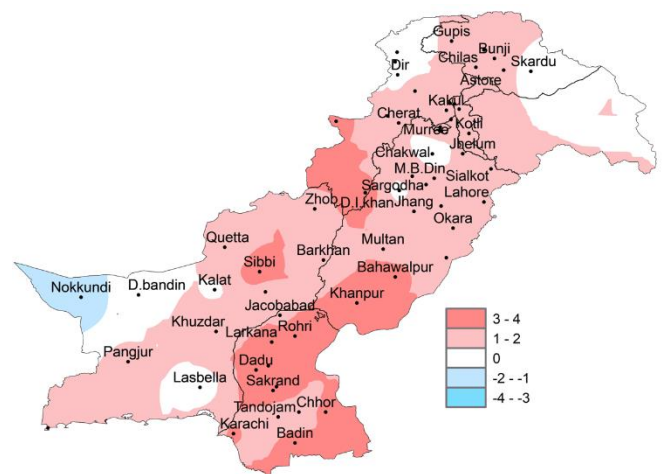


Figure 4: Departure of Mean temperature.

Actual Minimum temperature (°C) during the Previous week (02nd – 08th December 2024)

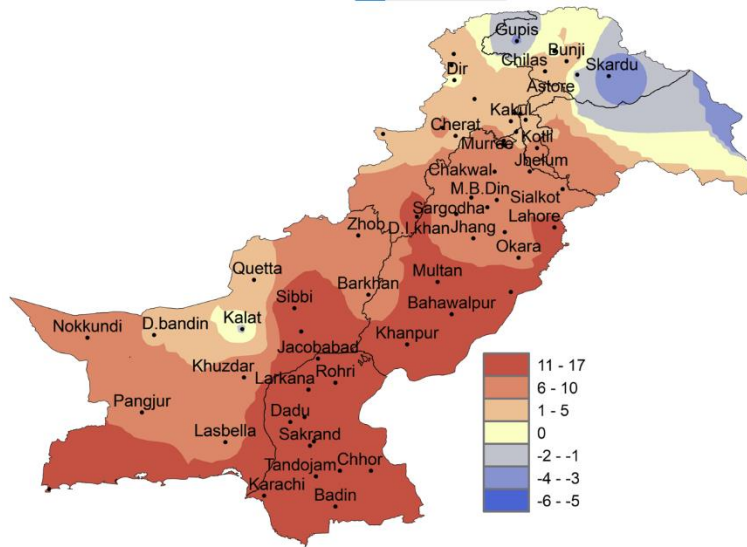


Figure 6: Actual Minimum temperature.

Departure of Minimum temperature (°C) during the Previous week (02nd – 08th December 2024)

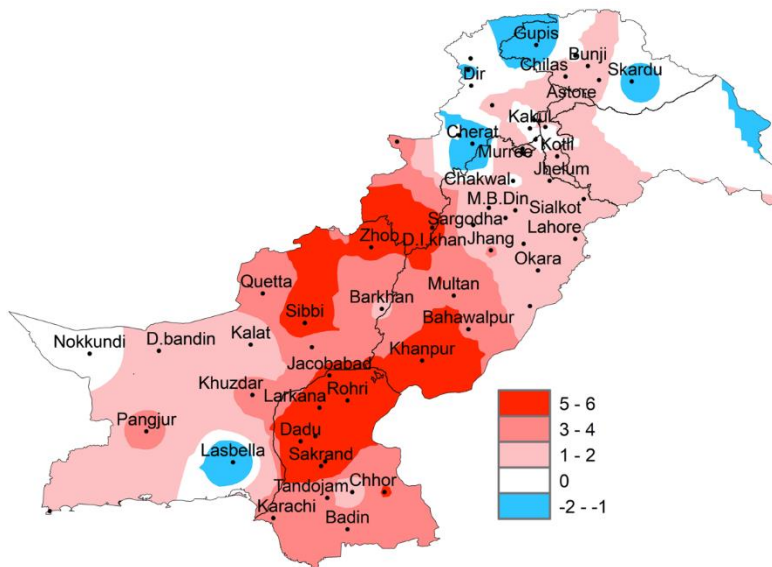


Figure 7: Departure of Minimum temperature.

Mean Relative Humidity (%) during the Previous week (02nd – 08th December 2024)

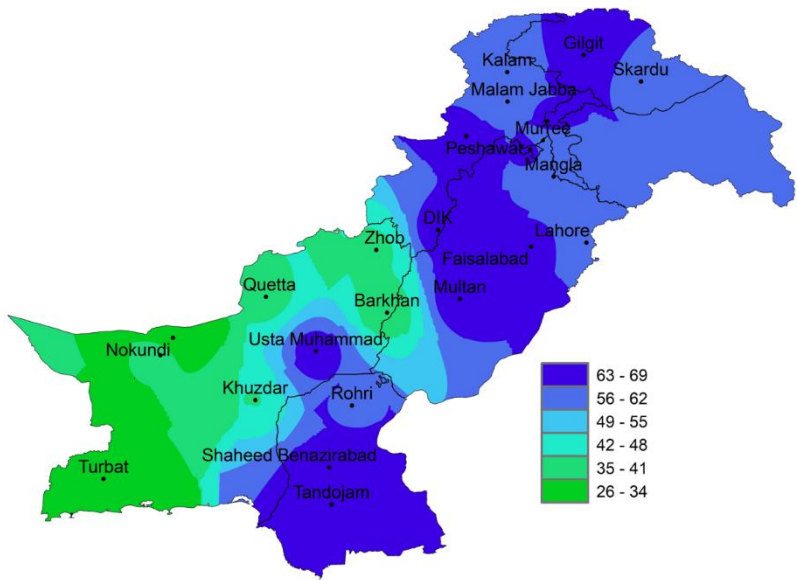


Figure 8: Relative Humidity

Total Growing Degree Days accumulated during the Previous week (02nd – 08th December 2024)

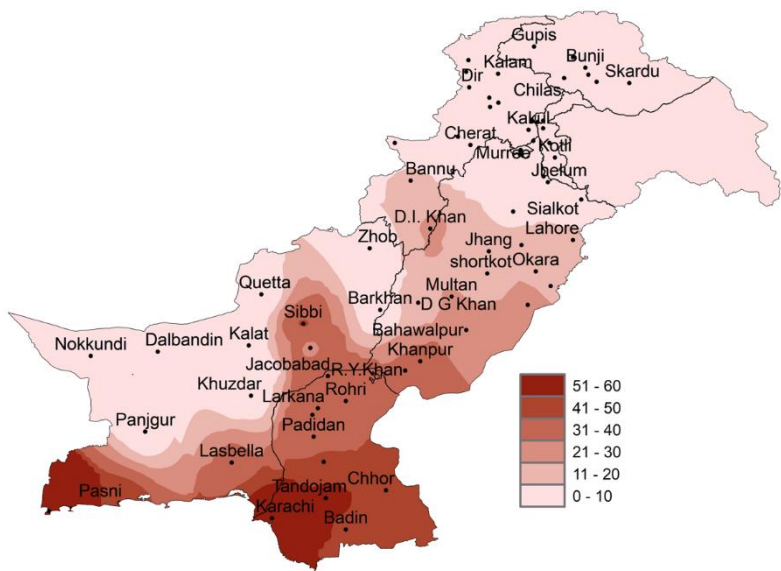


Figure 9: Growing Degree Days

Mean Cloudiness (Octas) at 0800PST during the Previous week (02nd – 08th December 2024)

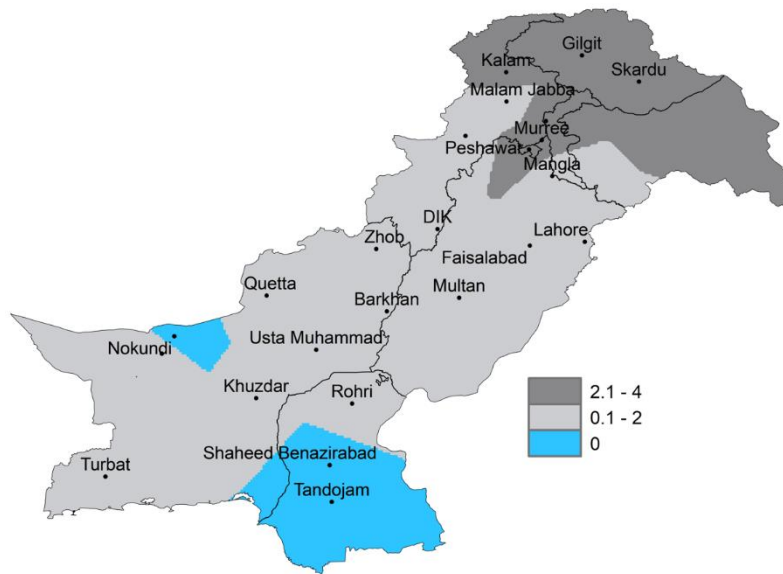


Figure 10: Mean Cloudiness at 0800

Mean Cloudiness (Octas) at 1700PST during the Previous week (02nd – 08th December 2024)

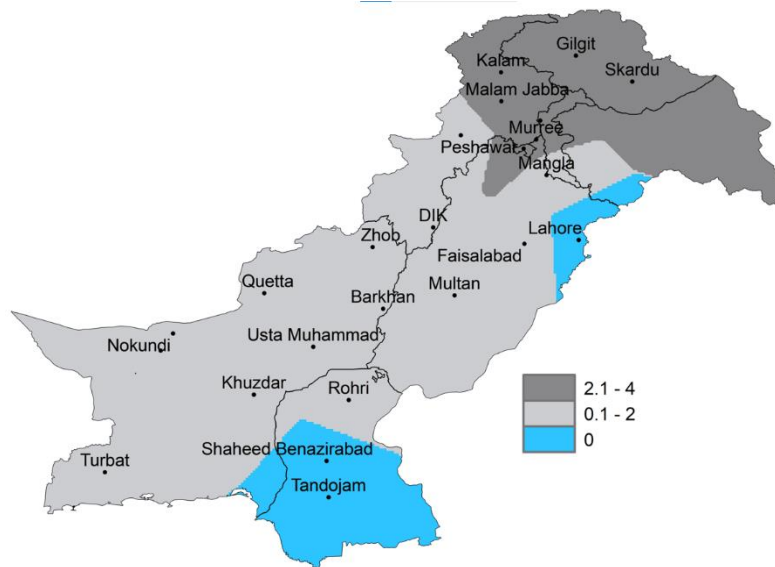


Figure 11: Mean Cloudiness at 1700

**Mean Wind Speed (Knots) at 0800PST during the
Previous week (02nd – 08th December 2024)**

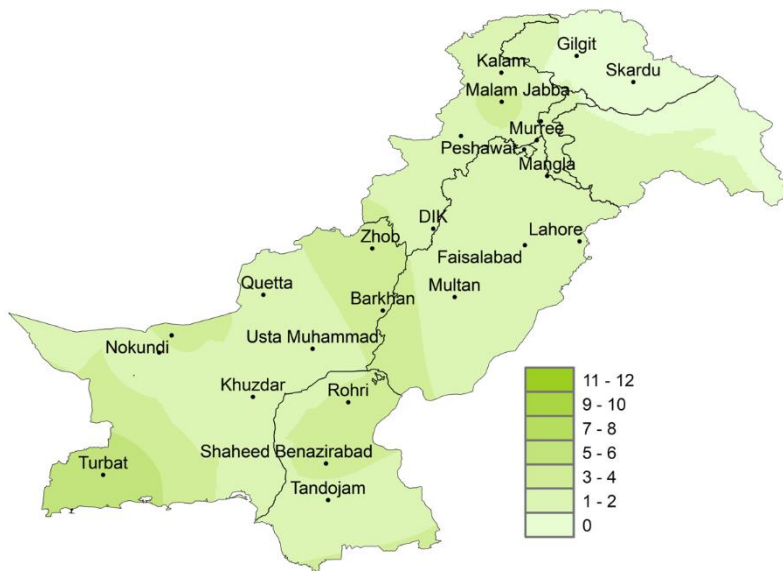


Figure 12: Mean Wind Speed 0300

**Mean Wind Speed (Knots) at 1700PST during the
Previous week (02nd – 08th December 2024)**

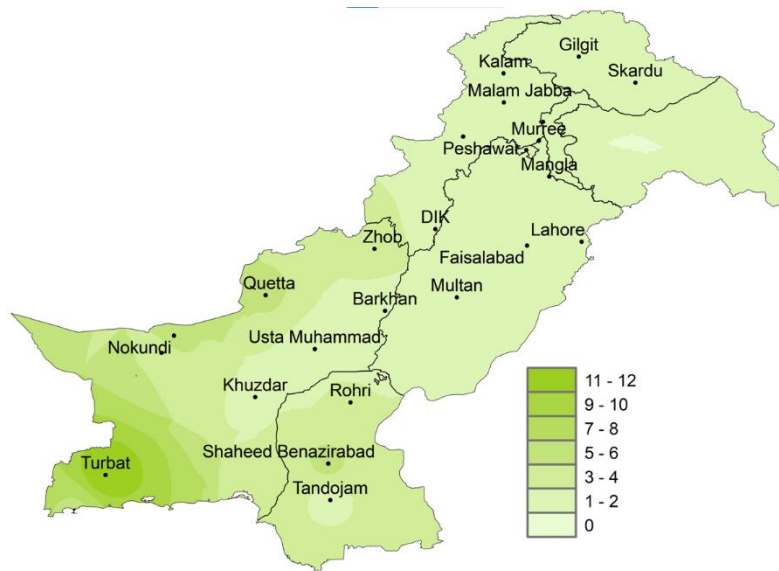
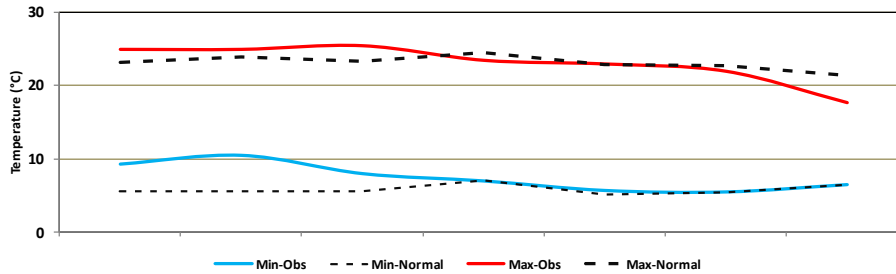


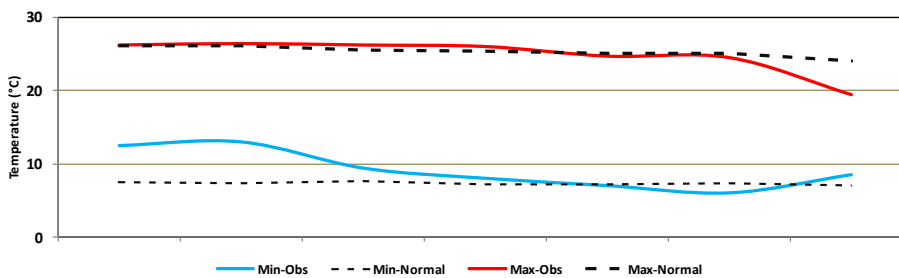
Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal) during the previous week (02nd – 08th December 2024)

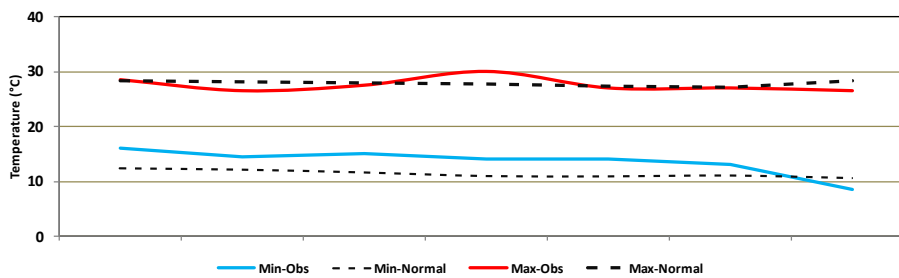
Rawalpindi (Min & Max Temperatures)



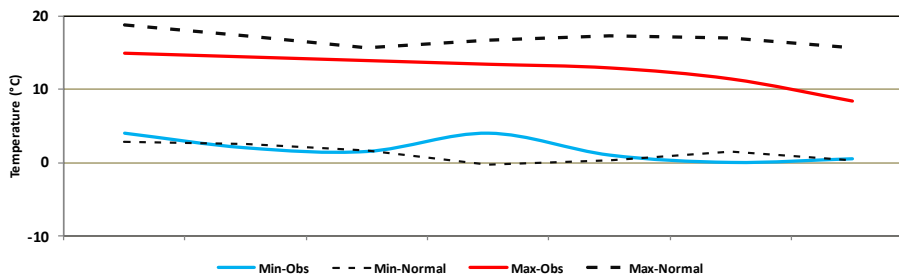
Faisalabad (Min & Max Temperatures)



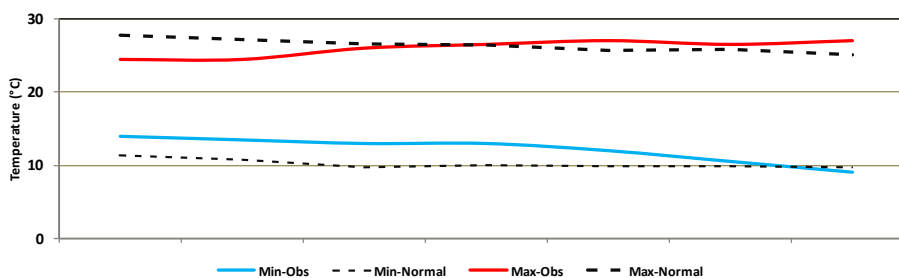
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**(09th – 15th December 2024)**

A westerly wave is affecting upper and central parts of the country.

MONDAY**09-12-2024**

Mainly dry weather and cold wave is likely to continue in most areas of the country. Light fog is expected at few places in southern Punjab and upper Sindh during night hours.

TUESDAY**10-12-2024**

Mainly cold and dry weather is expected in most areas of the country. However, very cold in the hilly areas during the night/morning hours. While fog is also expected in the plain areas of Khyber Pakhtunkhwa and Upper Punjab during the morning hours. Light fog is expected at few places in South Punjab and Upper Sindh during morning / night hours.

WEDNESDAY**11-12-2024**

Cold wave condition is likely in most parts of the country. Rain/thunderstorm (snowfall over mountains) is likely at isolated places in upper Khyber Pakhtunkhwa, Gilgit-Baltistan & Kashmir. Frost is likely to occur in plain areas of Khyber Pakhtunkhwa and upper Punjab during morning hours.

THURSDAY**12-12-2024**

Cold wave condition is likely in most parts of the country. Rain/thunderstorm (snowfall over mountains) is likely at isolated places in Gilgit-Baltistan, Kashmir & upper Khyber Pakhtunkhwa. Frost is likely to occur in plain areas of Khyber Pakhtunkhwa and upper Punjab during morning hours.

FRIDAY**13-12-2024**

Cold wave condition is likely in most parts of the country. Frost is likely to occur in plain areas of Khyber Pakhtunkhwa and upper Punjab during morning hours. Minimum Temperatures are likely to drop (05-07) °C below normal in most parts of the country due to cold wave.

SATURDAY**14-12-2024**

Cold wave condition is likely in most parts of the country. Frost is likely to occur in plain areas of Khyber Pakhtunkhwa and upper Punjab during

morning hours. Minimum Temperatures are likely to drop (05-07) °C below normal in most parts of the country due to cold wave.

SUNDAY**15-12-2024**

Cold wave condition is likely in most parts of the country. Frost is likely to occur in plain areas of Khyber Pakhtunkhwa and upper Punjab during morning hours. Minimum Temperatures are likely to drop (05-07) °C below normal in most parts of the country due to cold wave.

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (02nd – 08th 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	10.9	8.5	21.3	67	1.00	1.4	0.4	1.1	1.1
Faisalabad	9.2	6.0	14.0	65	0.00	1.7	0.7	0.9	1.1
Gawadar	13.5	10.0	54.0	29	0.00	0.7	0.9	3.7	5.4
Gilgit	-1.8	-5.0	0.0	67	0.00	3.6	2.7	0.0	0.3
Kalam	-3.5	-5.2	0.0	59	19.00	2.3	3.3	0.0	0.0
Khuzdar	8.9	7.0	0.0	41	0.00	1.1	1.0	0.9	1.4
Lahore	9.7	7.7	13.0	59	0.00	0.9	0.0	0.0	0.3
Malam Jabba	0.9	-1.5	0.0	58	0.00	1.7	2.7	3.4	2.0
Mangla	7.1	4.4	3.8	57	0.00	1.0	0.7	1.7	0.0
Multan (PBO)	11.2	8.5	20.4	68	1.00	1.6	1.0	0.6	0.6
Murree	2.0	1.0	0.0	54	1.00	3.0	2.3	1.7	1.1
Muzaffarabad	5.6	4.5	0.0	66	0.00	2.3	2.4	0.0	0.0
Sh. Ben. Abad	13.5	8.0	41.9	69	0.00	0.0	0.0	2.6	4.6
Peshawar	5.2	3.0	0.0	65	0.01	1.0	1.7	0.3	0.9
Quetta	1.9	0.0	16.5	36	0.00	0.9	0.4	1.8	4.4
Rawalpindi	7.5	17.7	2.1	67	0.00	2.7	2.4	0.0	0.3
Rohri	14.6	11.5	39.0	60	0.00	0.9	0.3	2.0	2.3
Skardu	-5.8	-8.6	0.0	59	0.00	3.6	3.3	0.0	0.0
Tandojam	13.6	8.5	39.0	70	0.00	0.0	0.0	0.6	1.2
U.Muhammad	12.1	9.0	98.5	68	1.01	1.4	0.7	0.5	0.8
Zhob	5.4	3.5	0.0	38	0.00	0.3	0.3	2.1	3.3

*** Shows that data was not available.