

Weekly Weather and Crop Bulletin for Pakistan

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Rainfall Distribution (mm) during the Previous Week (09th – 15th December 2024)

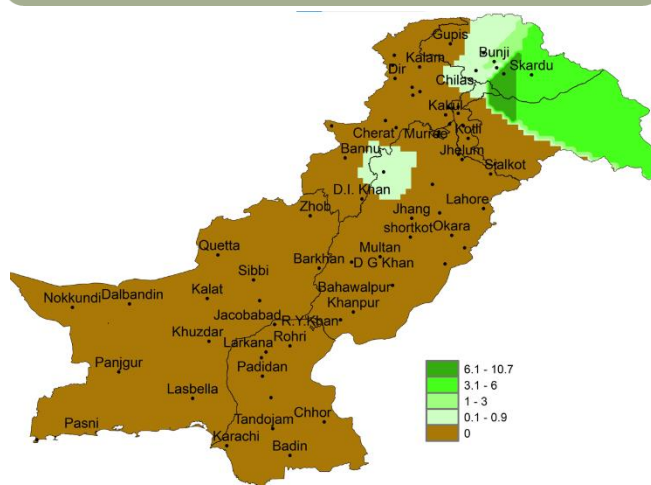


Figure 1: Rainfall.

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Highlights of Past Weather (09th – 15th December 2024)

- Light rainfall was reported from Gilgit Baltistan and isolated from south Punjab.
- Normal to below normal daily maximum temperatures were observed in most parts of the country, whereas normal to above normal in lower western parts of Khyber Pakhtunkhwa.
- Normal to below normal daily minimum temperatures were observed in most parts of the country, whereas normal to above normal in lower Khyber Pakhtunkhwa, upper Sindh and northwest Balochistan.
- Normal to below normal mean daily temperatures were observed in most parts of the country, whereas normal to above normal in lower Khyber Pakhtunkhwa, north Balochistan, at isolated places in central Punjab and Upper Sindh.

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

Editor: Irshad Ali (Assistant Meteorologist)

Past Weather of Provinces **(09th – 15th December 2024)**

Punjab

Mainly dry weather prevailed in most parts, however isolated light rain reported from south of the province during the previous week. Weekly maximum and minimum temperatures recorded as 21.1°C & 4.7°C respectively. Average relative humidity recorded as 52% and wind speed in the morning/evening recorded as 1.8/1.2 Knots. The highest rainfall was reported as 0.01 (trace) mm from Mianwali. However, the lowest minimum temperature was recorded as -1.0°C at Murree.

Baluchistan

Dry weather reported from the province during the previous week. Weekly maximum and minimum temperatures recorded as 20.8°C & 3.7°C respectively. For the recent week on average 7.4 growing degree days were accumulated. Average relative humidity recorded 33% and wind speed in the morning/evening recorded as 1.7/4.1 Knots. The lowest minimum temperature was recorded -6.0°C at Kalat.

Khyber Pakhtunkhwa

Dry weather reported from the province during the previous week. Weekly maximum and minimum temperatures recorded as 15.7°C & 1.0°C respectively. Average relative humidity recorded as 67% and wind speed in the morning/evening recorded as 1.2/0.7 Knots. The lowest minimum temperature recorded as -6.3°C at Kalam.

Sindh

Dry weather reported from upper parts of the province during the previous week. Weekly maximum and minimum temperatures recorded as 20.8°C & 8.0°C respectively. For the recent week, on average 9.9 growing degree days were accumulated. Average relative humidity recorded as 53% and wind speed in the morning/evening recorded as 2.0/3.8 Knots. The lowest minimum temperature recorded as 1.5 °C at MOIN-JO-DARO.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light rain reported from Gilgit Baltistan and dry weather prevailed in Kashmir during the previous week. Weekly maximum and minimum temperatures recorded as 10.6 °C & -1.7 °C respectively. Average relative humidity recorded as 62%. and wind speed recorded in the morning/evening as 0.7/3.5. The highest rainfall was reported as 10.71 mm from Astore. However, the lowest minimum temperature recorded as -11.1°C at Skardu.

Past Weather for Major Agricultural Plains**(09th – 15th December 2024)****Rawalpindi (Potohar region)**

Dry weather reported from Rawalpindi during the week; however, cloudiness in the morning/evening recorded 3.3/3.4 Oktas while average relative humidity observed as 69%. Mean minimum time temperature was recorded as 3.4°C. Wind speed recorded in the morning/evening as 0.0/0.3 Knots. The lowest minimum temperature was recorded as 2.0°C.

Faisalabad (Central Punjab)

Dry weather reported from Faisalabad during the week; however, cloudiness in the morning/evening recorded as 1.4/1.3 Oktas while, average relative humidity observed as 59%. Mean minimum time temperature recorded 4.5°C. Wind speed recorded in the morning/evening as 0.0/0.9 Knots. The lowest minimum temperature was recorded as 3.5°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 57%. Mean minimum time temperature recorded as 7.9°C & for the recent week 7.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.3/4.1 Knots. The lowest minimum temperature was recorded as 7.5°C.

Usta Muhammad (Eastern Baluchistan)

Dry weather reported from Usta Muhammad during the week; however, cloudiness was recorded in the morning/evening as 0.5/0.3 Oktas, while average relative humidity observed as 48%. Mean minimum time temperature recorded as 6.7°C & for the recent week 70 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.4/0.8 Knots. The lowest minimum temperature was recorded as 5.0°C.

Quetta (Northern Baluchistan)

Dry weather reported from Quetta during the week; however, however cloudiness in the morning/evening recorded as 2.0/1.8 Oktas while, average relative humidity observed as 26%. Mean minimum time temperature recorded as -1.1°C & for the recent week 7.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.5/3.6 Knots. The lowest minimum temperature was recorded as -3.5°C.

Past Weather for Sub-Regional Agricultural Plains (09th – 15th December 2024)**Multan**

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 1.0/1.9 Oktas while average relative humidity observed as 61%. Mean minimum time temperature recorded as 6.3°C. Wind speed recorded in the morning/evening as calm.

Lahore

Dry weather reported from Lahore during the week; cloudiness in the morning/evening recorded as 0.9/1.7 Oktas while average relative humidity observed as 54%. Mean minimum time temperature recorded as 5.5°C. Wind speed recorded in the morning/evening as 0.0/1.3 Knots.

Zhob

Dry weather reported from Zhob during the week; however, cloudiness in the morning/evening recorded as 1.1/0.6 Oktas while, Average relative humidity observed as 29%. Mean minimum time temperature recorded as 1.4°C. Wind speed recorded in the morning/evening as 1.9/3.3 Knots.

Murree

Dry weather reported from Murree during the week; however, cloudiness in the morning/evening recorded as 2.6/3.2 Oktas while, average relative humidity observed as 42%. Mean minimum time temperature recorded as -0.2°C. Wind speed recorded in the morning/evening as 5.4/2.3 Knots.

D.I. Khan

Dry weather reported from D.I. Khan during the week; however, cloudiness in the morning/evening recorded as 0.7/0.7 Oktas while average relative humidity observed as 63%. Mean minimum time temperature recorded as 16.5°C. 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 2.6/2.4 Oktas while, average relative humidity observed as 61%. Mean minimum time temperature was recorded as 2.4°C. Wind speed recorded in the morning/evening as 0.9/0.9 Knots.

Kalam

Dry weather reported from Kalam during the week; however, cloudiness in the morning/evening recorded as 2.1/5.4 Oktas while, average relative humidity observed as 64%. Mean minimum time temperature recorded as -5.3°C. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

Gilgit

Rainfall reported as 0.01 (trace) mm from Gilgit during the week, cloudiness in the morning/evening recorded as 4.6/3.4 Oktas while, average relative humidity observed as 65%. Mean minimum time temperature recorded as -3.9°C . Wind speed recorded in the morning/evening as 0.3/12.1 Knots.

Skardu

Rainfall reported as 3.30 mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 5.9/5.4 Oktas while, average relative humidity observed as 64%. Mean minimum time temperature recorded as -7.4°C . Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

**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 Leaf Completed. 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: Harvesting. Condition: *Good*.

Actual & Departure of Maximum temperature (°C) for the Previous week (09th – 15th December 2024)

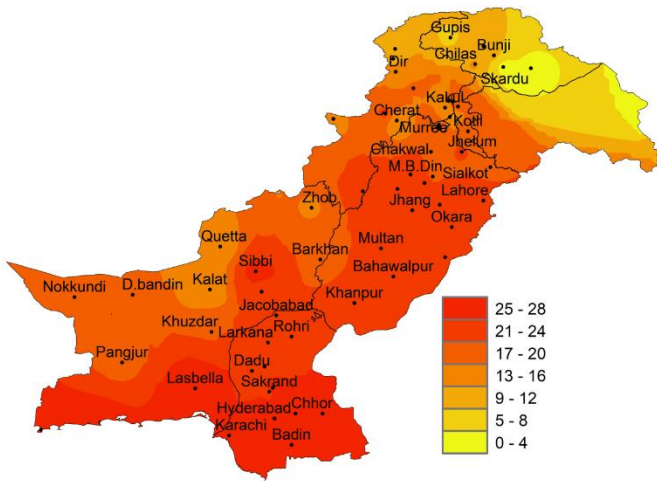


Figure 2: Actual Maximum temperature.

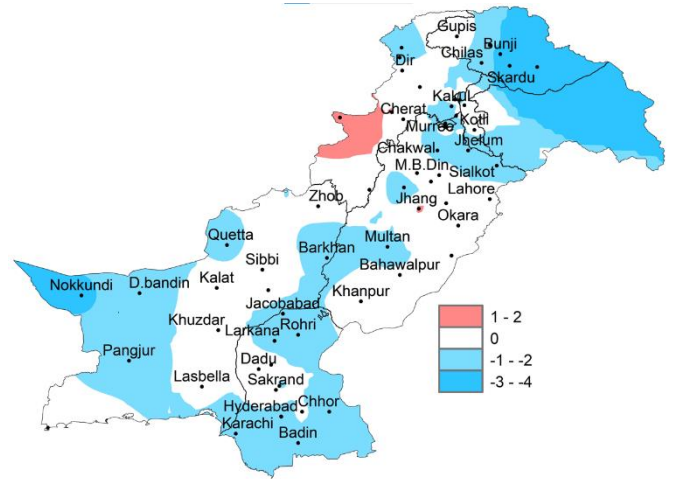


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (09th – 15th December 2024)

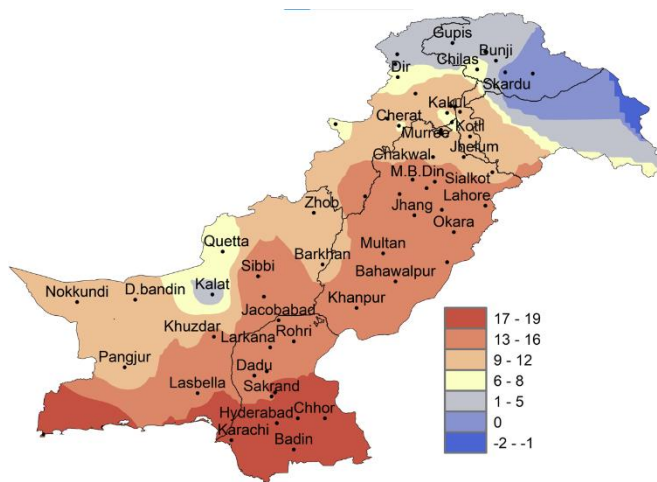


Figure 5: Actual Mean temperature.

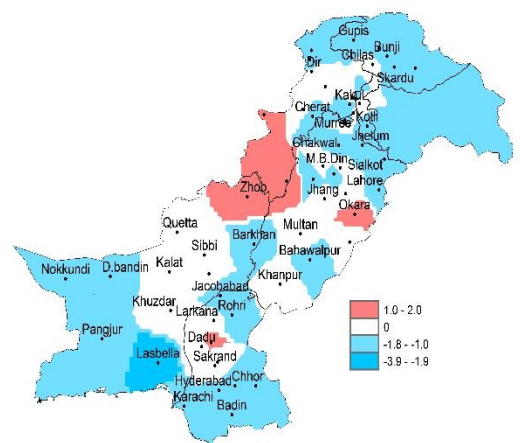


Figure 4: Departure of Mean temperature.

Actual Minimum temperature (°C) during the Previous week (09th – 15th December 2024)

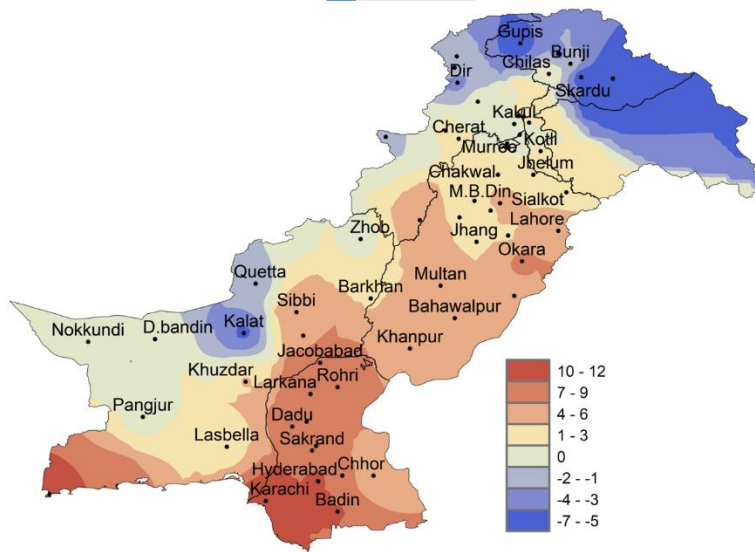


Figure 6: Actual Minimum temperature.

Departure of Minimum temperature (°C) during the Previous week (09th – 15th December 2024)

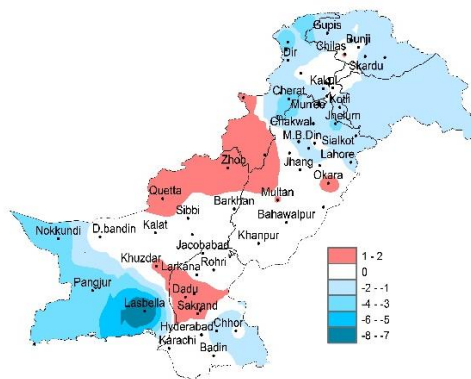


Figure 7: Departure of Minimum temperature.

Mean Relative Humidity (%) during the Previous week (09th – 15th December 2024)

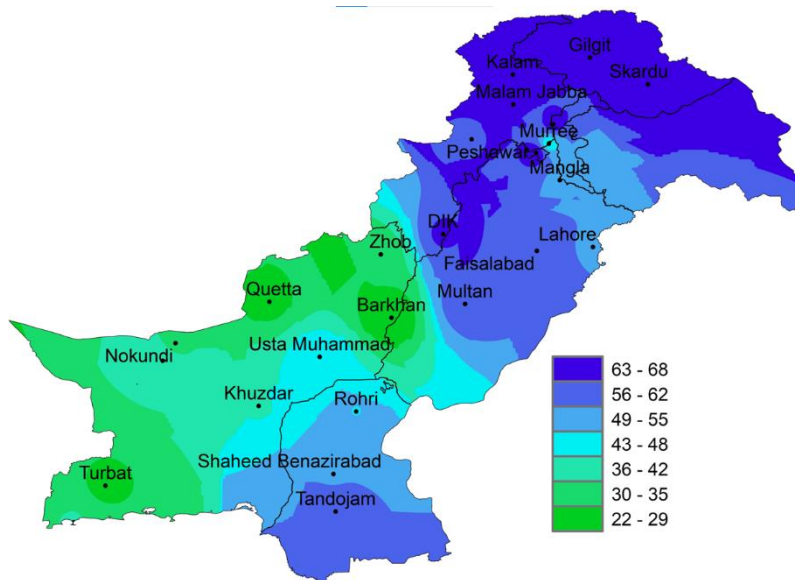


Figure 8: Relative Humidity

Total Growing Degree Days accumulated during the Previous week (09th – 15th December 2024)

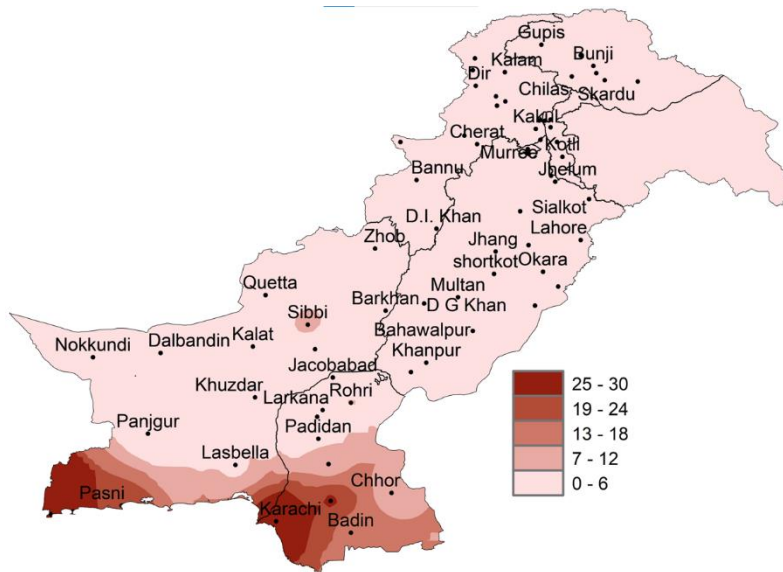


Figure 9: Growing Degree Days

Mean Cloudiness (Octas) at 0800PST during the Previous week (09th – 15th December 2024)

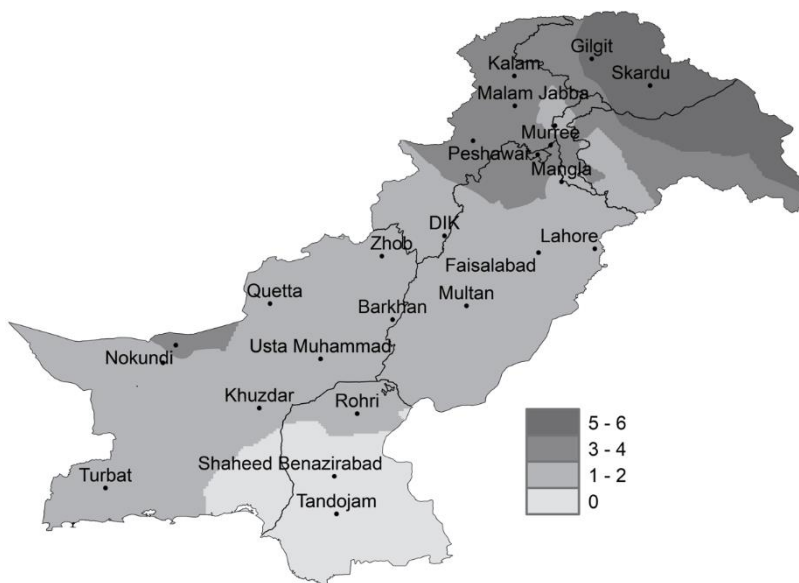


Figure 10: Mean Cloudiness at 0800

Mean Cloudiness (Octas) at 1700PST during the Previous week (09th – 15th December 2024)

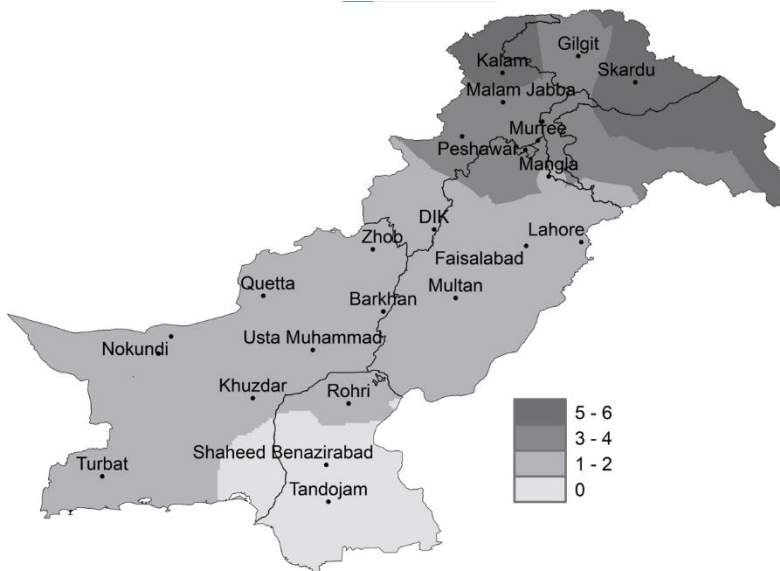


Figure 11: Mean Cloudiness at 1700

**Mean Wind Speed (Knots) at 0800PST during the
Previous week (09th – 15th December 2024)**

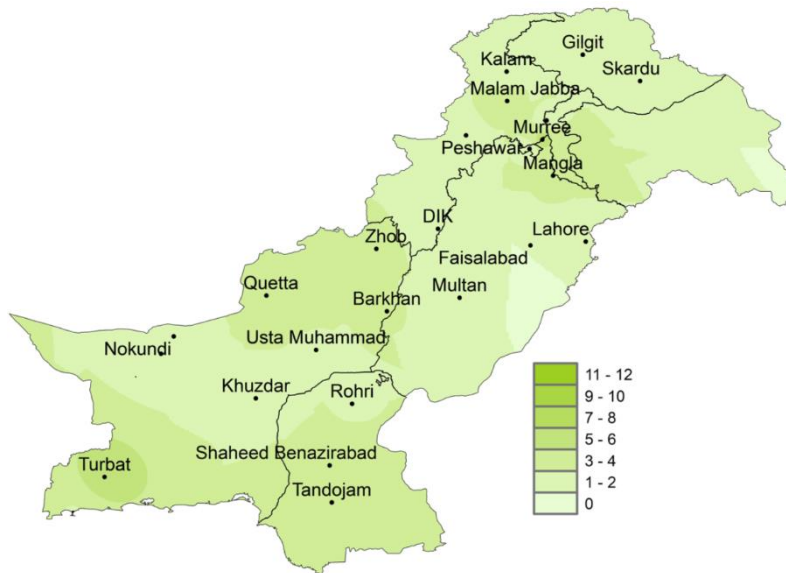


Figure 12: Mean Wind Speed 0300

**Mean Wind Speed (Knots) at 1700PST during the
Previous week (09th – 15th December 2024)**

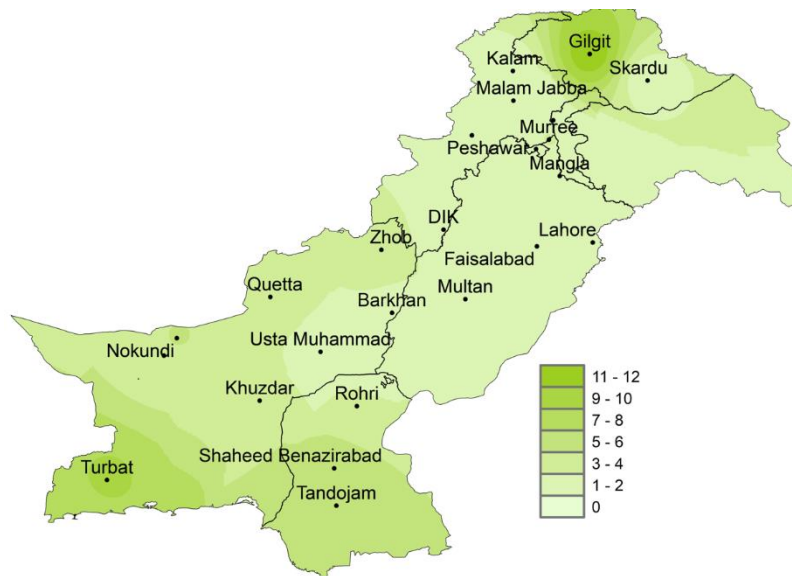
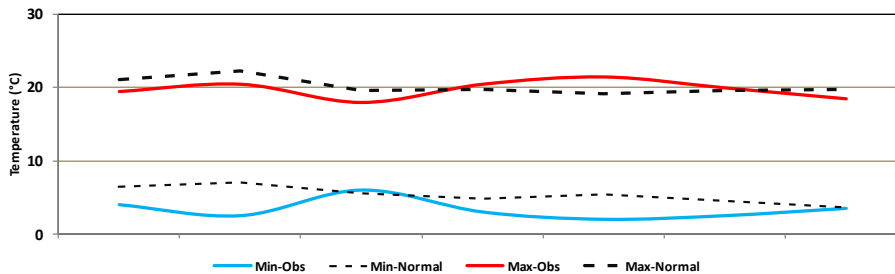


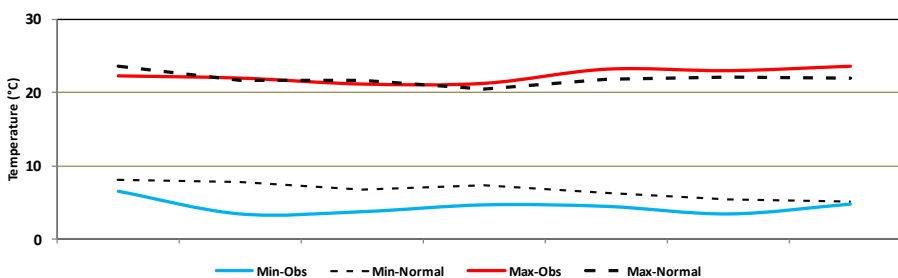
Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal) during the previous week (09th – 15th December 2024)

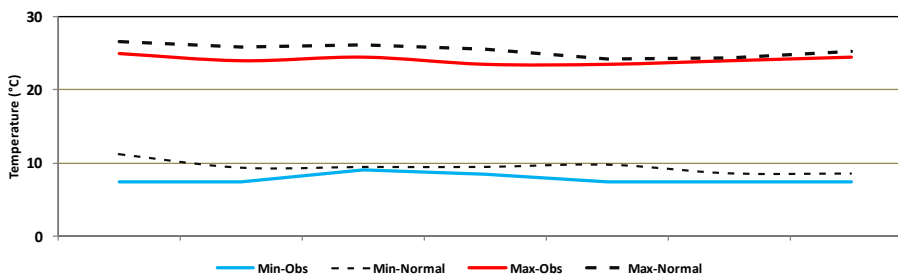
Rawalpindi (Min & Max Temperatures)



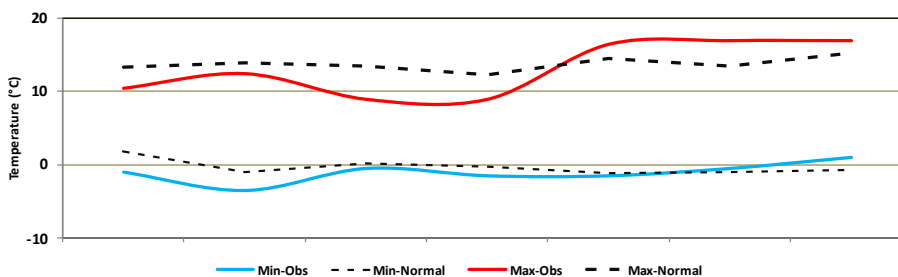
Faisalabad (Min & Max Temperatures)



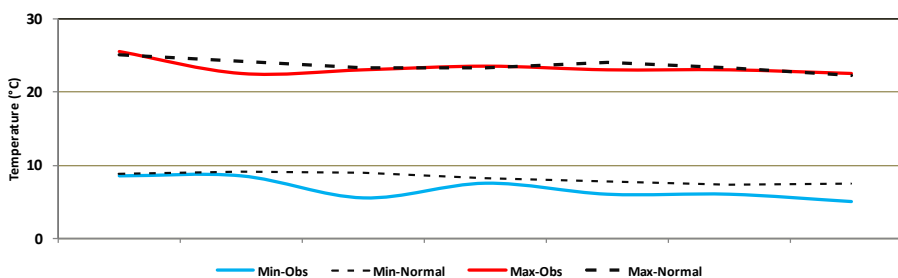
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**(16th – 22nd December 2024)**

Continental air is prevailing over most parts of the country. A shallow westerly wave is passing over upper parts of the country.

MONDAY**16-12-2024**

Mainly cold and dry weather is expected in most parts of the country, while very cold and partly cloudy to cloudy weather in hilly areas.

TUESDAY**17-12-2024**

Mainly cold and dry weather is expected in most parts of the country, while very cold and partly cloudy to cloudy weather in hilly areas. Shallow to moderate fog (in patches) is likely at few places in Northeast/South Punjab and Upper Sindh during morning hours.

WEDNESDAY**18-12-2024**

Mainly cold and dry weather is expected in most parts of the country. while very cold/partly cloudy in hilly areas- Light rain/snow is expected at isolated places in Gilgit Baltistan. Shallow fog is likely in few districts of Punjab during morning hours.

THURSDAY**19-12-2024**

Mainly cold and dry weather is expected in most parts of the country. while very cold in hilly areas- . Shallow fog is likely in few districts of Punjab during morning hours.

FRIDAY**20-12-2024**

Mainly cold and dry weather is expected in most parts of the country. while very cold in hilly areas- . Shallow fog is likely in few districts of Punjab during morning hours.

SATURDAY**21-12-2024**

Mainly cold and dry weather is expected in most parts of the country. while very cold/partly cloudy in hilly areas- Light rain/snow is expected at isolated places in Gilgit Baltistan, upper Khyber Pakhtunkhwa and Kashmir.

SUNDAY**22-12-2024**

Mainly cold and dry weather is expected in most parts of the country. while very cold/partly cloudy in hilly areas- Light rain/snow is expected at

isolated places in Gilgit Baltistan, upper Khyber Pakhtunkhwa and Kashmir.

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (09th – 15th 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	6.5	5.5	0.0	63	0.00	0.7	0.7	0.9	0.9
Faisalabad	4.5	3.5	-11.1	59	0.00	1.4	1.3	0.0	0.9
Gawadar	10.1	7.5	26.5	36	0.00	0.4	0.0	1.4	6.0
Gilgit	-3.9	-5.5	0.0	65	0.01	4.6	3.4	0.3	12.1
Kalam	-5.3	-6.3	0.0	64	0.00	2.1	5.4	0.0	0.3
Khuzdar	4.8	3.0	0.0	41	0.00	0.0	0.0	0.9	3.0
Lahore	5.5	4.5	0.0	54	0.00	0.9	1.7	0.0	1.3
Malam Jabba	-3.2	-4.0	0.0	64	0.00	2.3	3.0	3.1	0.9
Mangla	2.7	1.6	0.0	53	0.00	1.6	1.7	2.6	1.0
Multan (PBO)	6.3	5.5	0.0	61	0.00	1.0	1.9	0.0	0.0
Murree	-0.2	-1.0	0.0	42	0.00	2.6	3.2	5.4	2.3
Muzaffarabad	2.9	2.5	0.0	66	0.00	1.6	3.2	0.0	0.7
Sh. Ben. Abad	7.6	7.0	9.1	55	0.00	0.0	0.0	2.3	5.3
Peshawar	2.4	1.5	0.0	61	0.00	2.6	2.4	0.9	0.9
Quetta	-1.1	-3.5	7.0	26	0.00	2.0	1.8	2.5	3.6
Rawalpindi	3.4	18.0	-24.0	69	0.00	3.3	3.4	0.0	0.3
Rohri	8.8	7.0	6.0	48	0.00	0.0	0.0	1.4	2.0
Skardu	-7.4	-11.1	0.0	64	3.30	5.9	5.4	0.0	0.3
Tandojam	7.9	7.5	7.0	57	0.00	0.0	0.0	2.3	4.1
U.Muhammad	6.7	5.0	70.0	48	0.00	0.5	0.3	1.4	0.8
Zhob	1.4	0.0	0.0	29	0.00	1.1	0.6	1.9	3.3

*** Shows that data was not available.