

Weekly Weather and Crop Bulletin for Pakistan

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Rainfall Distribution (mm) during the Previous Week (16th – 22nd December 2024)

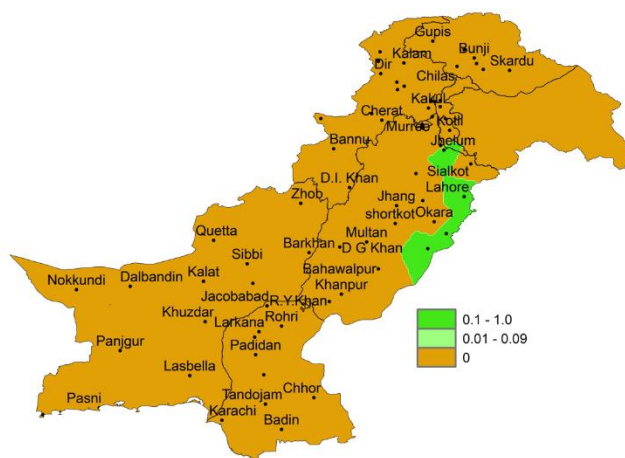


Figure 1: Rainfall.

Contents

Highlights of past weather	1
Past weather for Agri Plains	2-4
Crop progress	4
Agrometeorological parameters	
• Temperature	5-6
• R.H and GDD	7
• Cloudiness	8
• Wind speed	9
Comparison of temperatures for RAMCs during the previous week	10
Weather Outlook	11
Advisory for Farmers	11
National data for selected stations	12

Highlights of Past Weather (16th – 22nd December 2024)

- Cold and dry weather prevailed over most parts of the country, while very cold in hilly areas. However, light rain/drizzle reported from a few places of eastern Punjab. Smog/fog persisted at few plain areas of Punjab, Khyber Pakhtunkhwa and upper Sindh during night/morning hours.
- Normal to below normal daily maximum temperatures were observed in southwest of Balochistan, Sindh, Punjab, GB and Kashmir, whereas normal to above normal in KPK, upper Punjab, West Balochistan, GB and Kashmir .
- Normal to below normal daily minimum temperatures were observed in most parts of the country.
- Normal to below normal mean daily temperatures were observed in southwest parts of Balochistan, whereas normal to near normal in rest 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 **(16th – 22nd December 2024)**

Punjab

Mainly cold & dry weather prevailed in most parts, however light rain reported from some eastern parts of the province during the previous week. Weekly maximum and minimum temperatures recorded as 20.1°C & 3.7°C respectively. Average relative humidity recorded as 60% and wind speed in the morning/evening recorded as 0.4/0.6 Knots. The highest rainfall was reported as 0.10 mm from Kasur. However, the lowest minimum temperature was recorded as -1.5°C at Murree.

Baluchistan

Cold & dry weather prevailed in the province during the previous week. Weekly maximum and minimum temperatures recorded as 19.3°C & 2.4°C respectively. For the recent week on average 3.9 growing degree days were accumulated. Average relative humidity recorded 33% and wind speed in the morning/evening recorded as 2.4/3.0 Knots. The lowest minimum temperature was recorded -7.0°C at Quetta.

Khyber Pakhtunkhwa

Cold & dry weather prevailed in the province, however very cold in upper parts during the previous week. Weekly maximum and minimum temperatures recorded as 15.6°C & 0.2°C respectively. Average relative humidity recorded as 70% and wind speed in the morning/evening recorded as 1.4/0.5 Knots. The lowest minimum temperature recorded as -8.0°C at Dir.

Sindh

Cold & dry weather prevailed in the province during the previous week. Weekly maximum and minimum temperatures recorded as 19.3°C & 7.5°C respectively. For the recent week, on average 6.0 growing degree days were accumulated. Average relative humidity recorded as 63% and wind speed in the morning/evening recorded as 1.5/4.1 Knots. The lowest minimum temperature recorded as 1.0°C at Mithi.

Gilgit-Baltistan and Azad Jammu & Kashmir

Very cold & dry weather prevailed in the province during the previous week. Weekly maximum and minimum temperatures recorded as 11.2 °C & -3.0 °C respectively. Average relative humidity recorded as 65%. and wind speed recorded in the morning/evening as 0.2/0.4. The lowest minimum temperature recorded as -11.6°C at Skardu.

Past Weather for Major Agricultural Plains**(16th – 22nd December 2024)****Rawalpindi (Potohar region)**

Dry weather reported from Rawalpindi during the week; however, cloudiness in the morning/evening recorded 2.0/2.1 Oktas while average relative humidity observed as 75%. Mean minimum time temperature was recorded as 1.6°C. Wind speed recorded in the morning/evening as calm. 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 as 0.4/0.4 Oktas while, average relative humidity observed as 72%. Mean minimum time temperature recorded 4.4°C. Wind speed recorded in the morning/evening as 0.0/0.3 Knots. The lowest minimum temperature was recorded as 3.5°C.

Tandojam (Lower Sindh)

Dry weather reported from Tandojam during the week; however, cloudiness in the morning/evening recorded as 0.3/0.3 Oktas while, average relative humidity observed as 64%. Mean minimum time temperature recorded as 8.0°C & for the recent week 3.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/2.0 Knots. The lowest minimum temperature was recorded as 7.0°C.

Usta Muhammad (Eastern Baluchistan)

Dry weather reported from Usta Muhammad during the week; however, clear sky was observed in the morning/evening, while average relative humidity observed as 59%. Mean minimum time temperature recorded as 4.4°C & for the recent week 61.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.8 Knots. The lowest minimum temperature was recorded as 4.0°C.

Quetta (Northern Baluchistan)

Dry weather reported from Quetta during the week; however, however cloudiness in the morning/evening recorded as 1.0/1.8 Oktas while, average relative humidity observed as 35%. Mean minimum time temperature recorded as -2.6°C. Wind speed recorded in the morning/evening as 0.6/2.8 Knots. The lowest minimum temperature was recorded as -5.0°C.

Past Weather for Sub-Regional Agricultural Plains (16th – 22nd December 2024)**Multan**

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 0.6/0.6 Oktas while average relative humidity observed as 65%. Mean minimum time temperature recorded as 5.4°C. Wind speed recorded in the morning/evening as calm.

Lahore

Rainfall reported as 0.01 (trace) mm from Lahore during the week; cloudiness in the morning/evening recorded as 0.7/1.7 Oktas while average relative humidity observed as 71%. Mean minimum time temperature recorded as 4.1°C. Wind speed recorded in the morning/evening as calm.

Zhob

Dry weather reported from Zhob during the week; however, cloudiness in the morning/evening recorded as 0.9/2.0 Oktas while, Average relative humidity observed as 39%. Mean minimum time temperature recorded as 0°C. Wind speed recorded in the morning/evening as 1.7/2.3 Knots.

Murree

Dry weather reported from Murree during the week; however, cloudiness in the morning/evening recorded as 2.7/2.9 Oktas while, average relative humidity observed as 45%. Mean minimum time temperature recorded as -0.6°C. Wind speed recorded in the morning/evening as 1.1/1.7 Knots.

D.I. Khan

Dry weather reported from D.I. Khan during the week; however, cloudiness in the morning/evening recorded as 0.4/0.9 Oktas while average relative humidity observed as 67%. Mean minimum time temperature recorded as 4.9°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 2.4/2.4 Oktas while, average relative humidity observed as 78%. Mean minimum time temperature was recorded as 0.8°C. 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 3.0/4.9 Oktas while, average relative humidity observed as 62%. Mean minimum time temperature recorded as -3.4°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 2.7/3.9 Oktas while, average relative humidity observed as 65%. Mean minimum time temperature recorded as -6.7°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 4.4/4.9 Oktas while, average relative humidity observed as 62%. Mean minimum time temperature recorded as -9.0°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 (16th – 22nd December 2024)

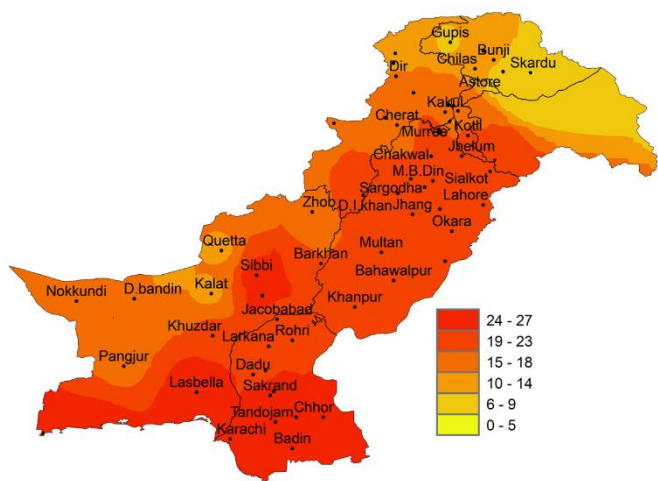


Figure 2: Actual Maximum temperature.

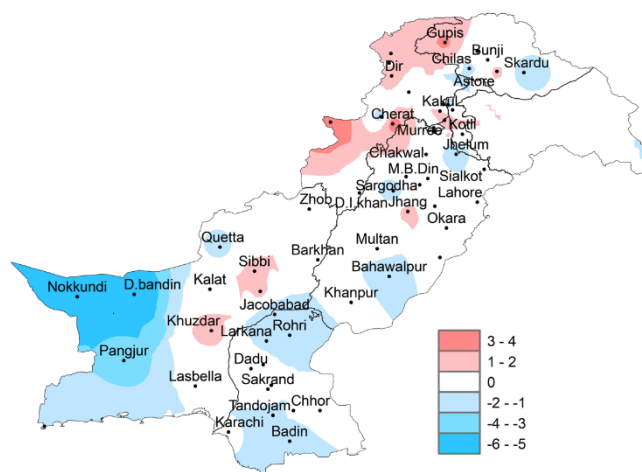


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (16th – 22nd December 2024)

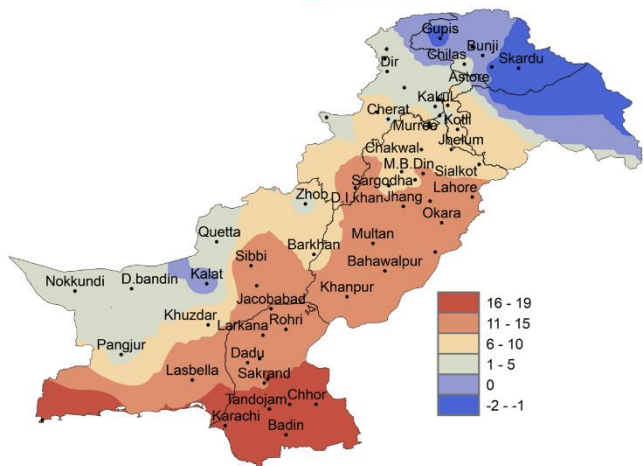


Figure 5: Actual Mean temperature.

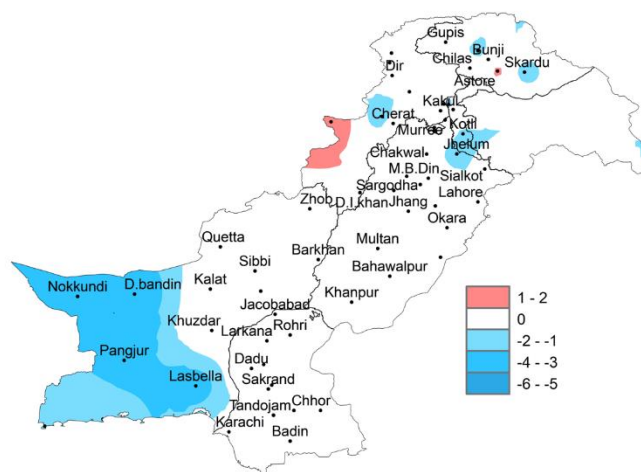


Figure 4: Departure of Mean temperature.

Actual Minimum temperature (°C) during the Previous week (16th – 22nd December 2024)

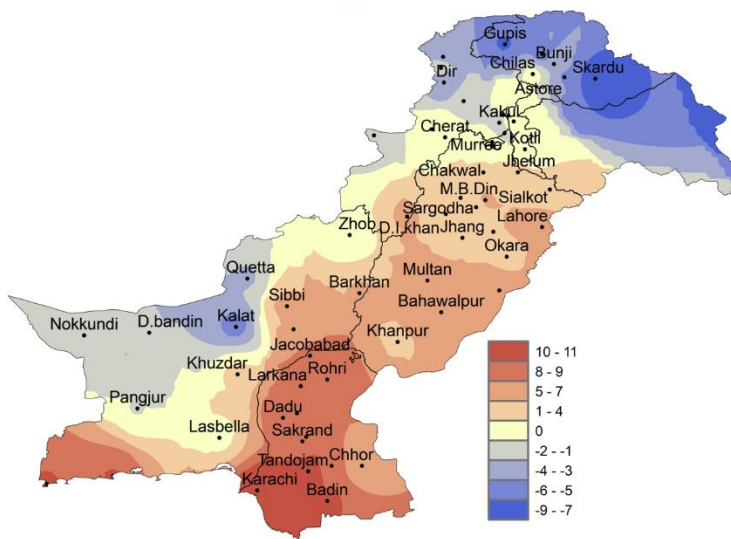


Figure 6: Actual Minimum temperature.

Departure of Minimum temperature (°C) during the Previous week (16th – 22nd December 2024)

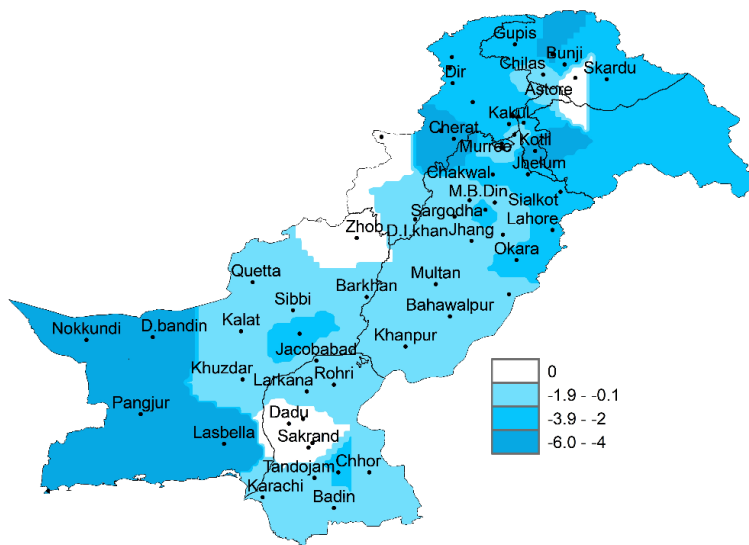


Figure 7: Departure of Minimum temperature.

Mean Relative Humidity (%) during the Previous week (16th – 22nd December 2024)

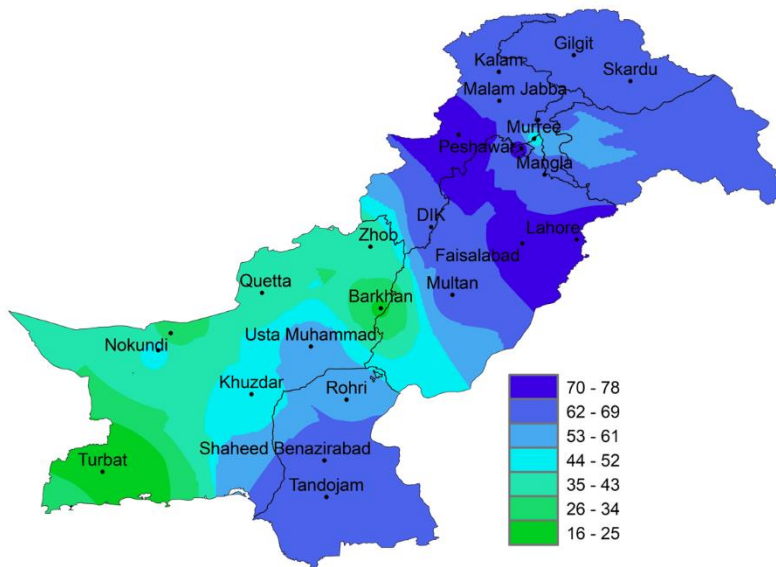


Figure 8: Relative Humidity

Total Growing Degree Days accumulated during the Previous week (16th – 22nd December 2024)

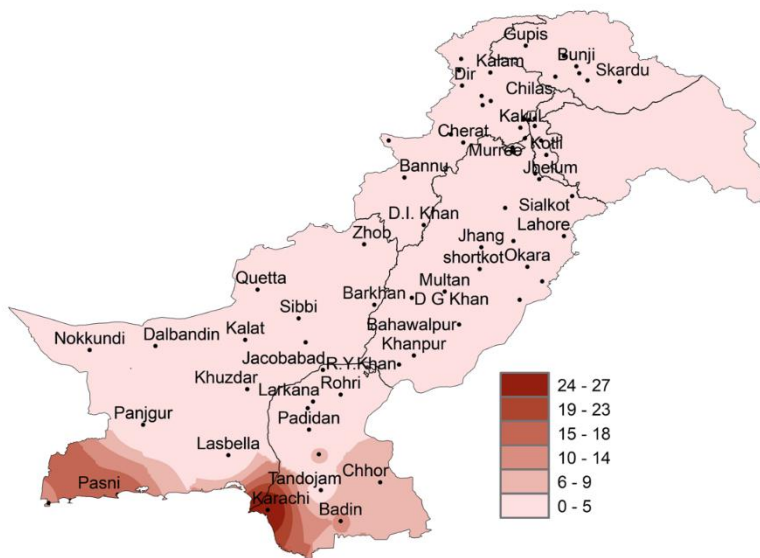


Figure 9: Growing Degree Days

Mean Cloudiness (Octas) at 0800PST during the Previous week (16th – 22nd December 2024)

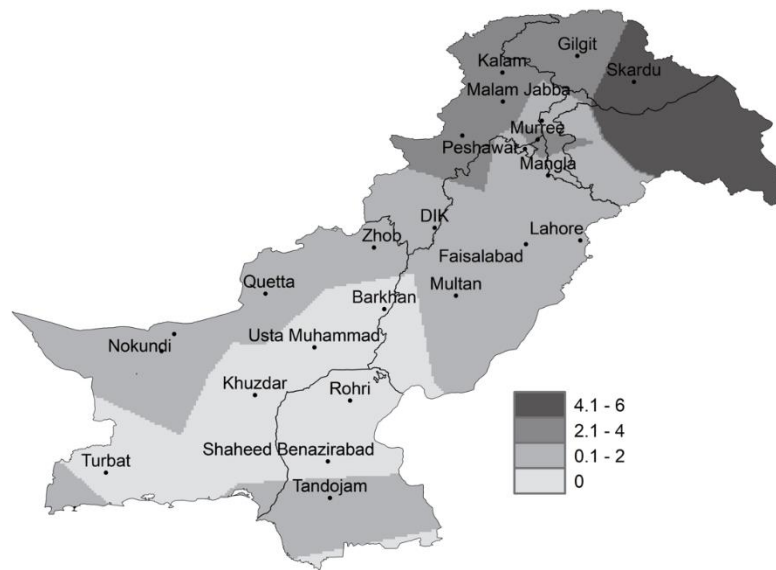


Figure 10: Mean Cloudiness at 0800

Mean Cloudiness (Octas) at 1700PST during the Previous week (16th – 22nd December 2024)

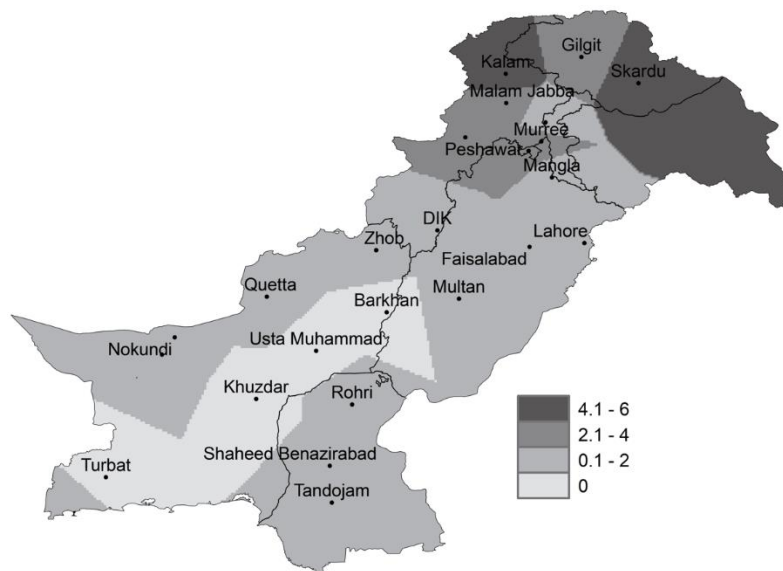


Figure 11: Mean Cloudiness at 1700

Mean Wind Speed (Knots) at 0800PST during the Previous week (16th – 22nd December 2024)

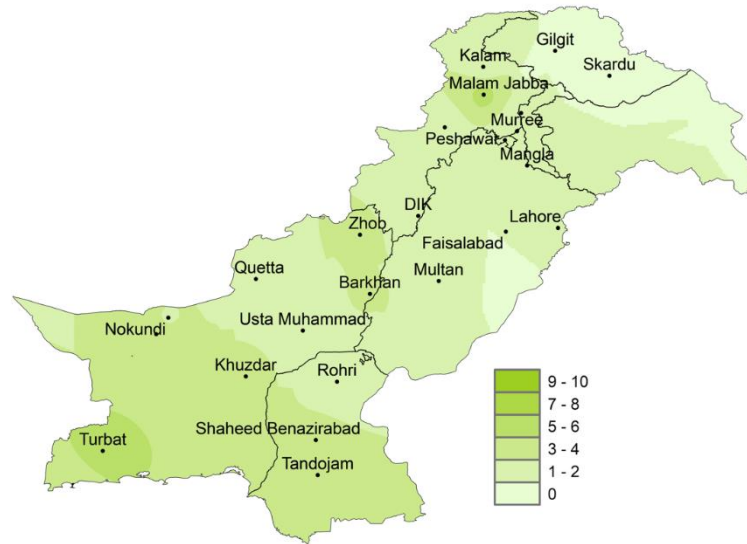


Figure 12: Mean Wind Speed 0300

Mean Wind Speed (Knots) at 1700PST during the Previous week (16th – 22nd December 2024)

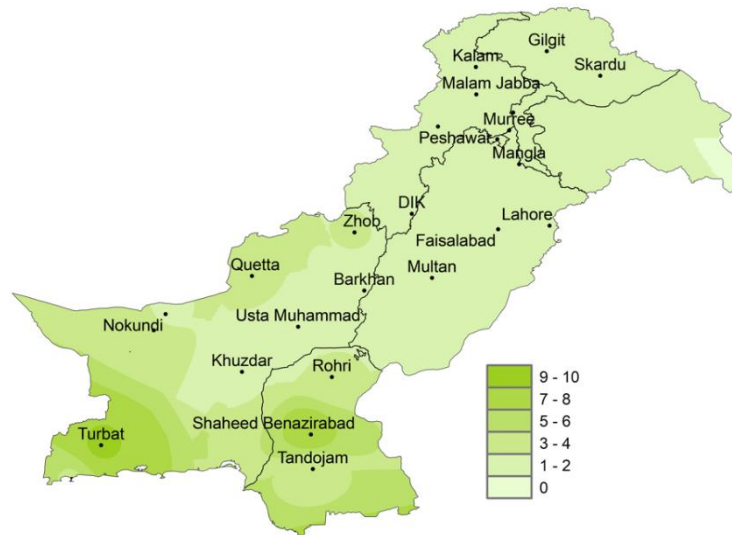
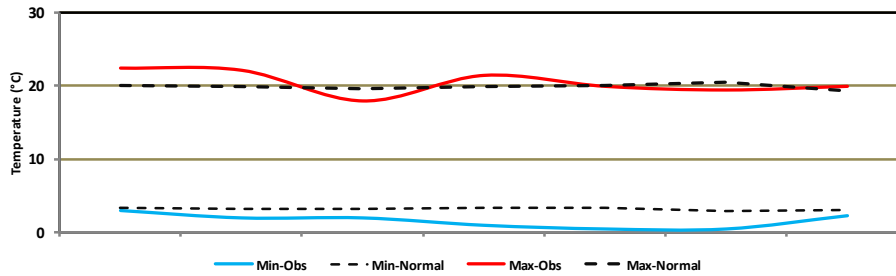


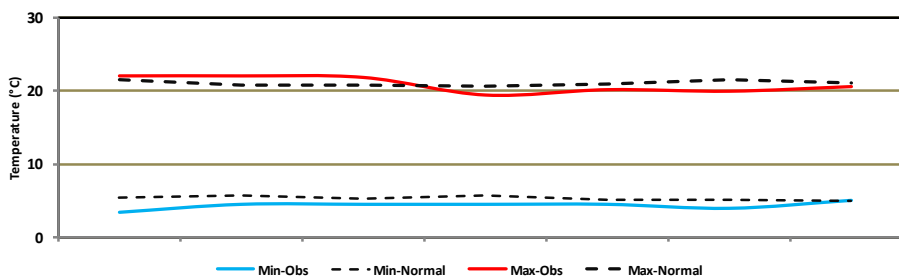
Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal)
during the previous week (16th – 22nd December 2024)

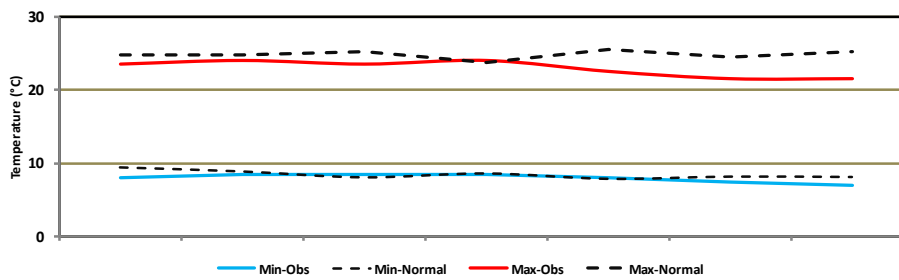
Rawalpindi (Min & Max Temperatures)



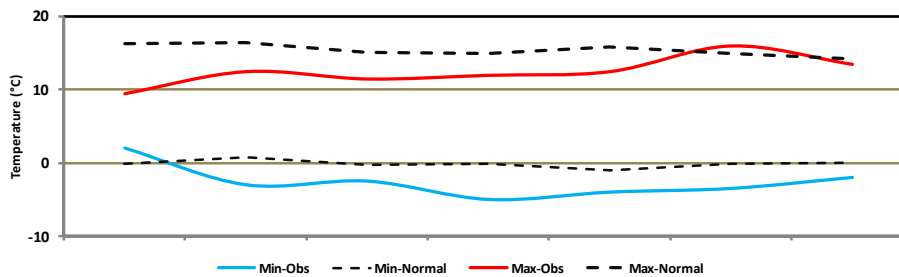
Faisalabad (Min & Max Temperatures)



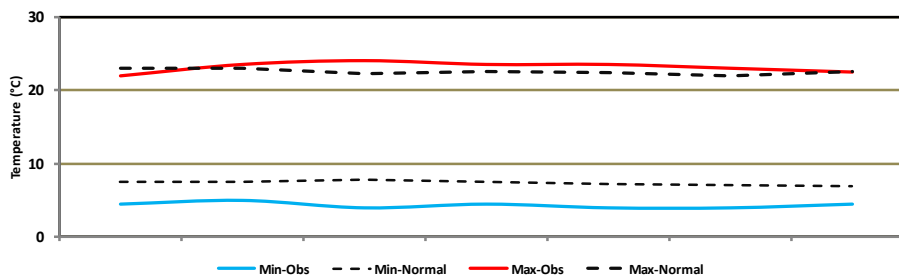
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**(23rd – 29th December 2024)**

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

MONDAY**23-12-2024**

Mainly cold and dry weather is expected in most parts of the country, while very cold in hilly areas. However, partly cloudy weather with light rain/light snowfall may occur at isolated places in Gilgit Baltistan, Kashmir and eastern Punjab. Smog/ fog (in patches) is likely in plain areas of Punjab, Khyber Pakhtunkhwa and upper Sindh during night hours.

TUESDAY**24-12-2024**

Mainly cold and dry weather is expected in most parts of the country, while very cold in hilly areas during morning/night. However, partly cloudy weather with light rain/light snowfall may occur at isolated places in Gilgit Baltistan and Kashmir. Smog/ fog (in patches) is likely in plain areas of Punjab, Khyber Pakhtunkhwa and upper Sindh during morning/night hours.

WEDNESDAY**25-12-2024**

Mainly cold and dry weather is expected in most parts of the country, while very cold/ partly cloudy in hilly areas. Dense fog is likely in Punjab, upper Sindh and plain areas of Khyber Pakhtunkhwa during morning hours.

THURSDAY**26-12-2024**

Mainly cold and dry weather is expected in most parts of the country, while very cold/partly cloudy in northern and western parts. Dense fog is likely in Punjab, upper Sindh and plain areas of Khyber Pakhtunkhwa during morning/night hours.

FRIDAY**27-12-2024**

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

SATURDAY**28-12-2024**

Mainly cold and dry weather is expected in most parts of the country, while very cold/partly cloudy in upper parts. Dense fog is likely in Punjab, upper

Sindh and plain areas of Khyber Pakhtunkhwa during morning/night hours.

SUNDAY**29-12-2024**

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

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (16th – 22nd 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	4.9	4.0	0.0	67	0.00	0.4	0.9	0.9	0.9
Faisalabad	4.4	3.5	-16.7	72	0.00	0.4	0.4	0.0	0.3
Gawadar	9.3	7.0	17.5	30	0.00	0.3	0.9	3.1	4.0
Gilgit	-6.7	-8.0	0.0	65	0.00	2.7	3.9	0.0	0.3
Kalam	-3.4	-4.5	0.0	62	0.00	3.0	4.9	0.0	0.0
Khuzdar	2.8	2.0	0.0	46	0.00	0.0	0.0	2.3	0.9
Lahore	4.1	3.0	0.0	71	0.01	0.7	1.7	0.0	0.0
Malam Jabba	-1.8	-3.0	0.0	65	0.00	2.3	3.7	4.6	0.7
Mangla	1.5	0.5	0.0	65	0.00	1.4	1.6	0.9	1.1
Multan (PBO)	5.4	5.0	0.0	65	0.00	0.6	0.6	0.0	0.0
Murree	-0.6	-1.5	0.0	45	0.00	2.7	2.9	1.1	1.7
Muzaffarabad	1.4	0.0	0.0	68	0.00	1.9	1.4	0.0	0.0
Sh. Ben. Abad	7.3	6.5	5.0	67	0.00	0.0	0.4	2.0	7.7
Peshawar	0.8	-0.6	0.0	78	0.00	2.4	2.4	0.0	0.3
Quetta	-2.6	-5.0	-0.3	35	0.00	1.0	1.8	0.6	2.8
Rawalpindi	1.6	18.0	-27.5	75	0.00	2.0	2.1	0.0	0.0
Rohri	8.4	7.5	0.0	59	0.00	0.0	0.4	0.6	2.6
Skardu	-9.0	-11.6	0.0	62	0.00	4.4	4.9	0.0	0.0
Tandojam	8.0	7.0	3.3	64	0.00	0.3	0.3	2.0	2.0
U.Muhammad	4.4	4.0	61.3	59	0.00	0.0	0.0	0.0	0.8
Zhob	0.0	-1.5	0.0	39	0.00	0.9	2.0	1.7	2.3

*** Shows that data was not available.