

Weekly Weather and Crop Bulletin for Pakistan

**NATIONAL AGROMET CENTRE
PAKISTAN METEOROLOGICAL
DEPARTMENT SECTOR H-8/2,
ISLAMABAD**

**Phone: +92-51-9250299
Email: dirnamc@yahoo.com**

Rainfall Distribution (mm) during the Previous Week (25th November – 01st December 2024)

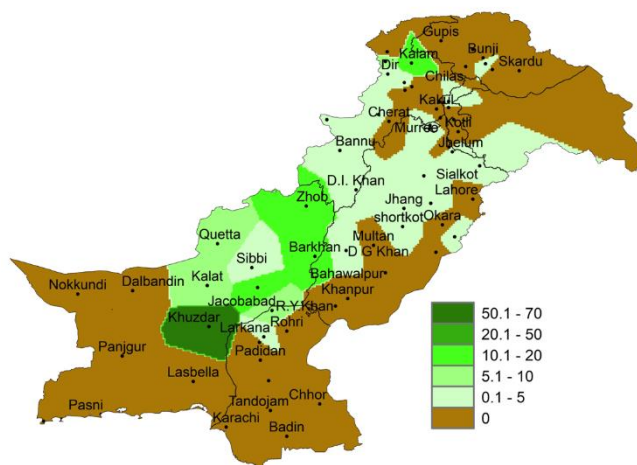


Figure 1: Rainfall.

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Highlights of Past Weather

(25th November – 01st December 2024)

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

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

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

Editor: Irshad Ali (Assistant Meteorologist)

Past Weather of Provinces **(25th November – 01st December 2024)**

Punjab

Mainly dry weather prevailed in most parts , however light rain also reported from the province during the previous week. Weekly maximum and minimum temperatures recorded as 25.4°C & 11.0°C respectively. For the recent week on average 23.3 growing degree days were accumulated. Average relative humidity recorded as 63% and wind speed in the morning/evening recorded as 0.3/1.4 Knots. The highest rainfall was reported as 5.60 mm from Noorpurthal. However, the lowest minimum temperature was recorded as 3.0°C at Murree.

Baluchistan

Light to moderate rainfall reported from north & central parts of the Province during the last week. Weekly maximum and minimum temperatures recorded as 26.4°C & 11.7°C respectively. Average relative humidity recorded 47% and wind speed in the morning/evening recorded as 0.8/4.2 Knots. For the recent week on average 34.4 growing degree days were accumulated. The Maximum rainfall was reported as 65.40 mm from Khuzdar. However, the lowest minimum temperature was recorded as - 0.5°C at Kalat.

Khyber Pakhtunkhwa

Light rain reported from the province during the previous week. Weekly maximum and minimum temperatures recorded as 19.7°C & 5.9°C respectively. For the recent week on average 4.1 growing degree days were accumulated. Average relative humidity recorded as 69% and wind speed in the morning/evening recorded as 1.1/0.7 Knots. Maximum rainfall was reported as 14.50 mm from Kalam. However, the lowest minimum temperature recorded as -2.0°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

26.4°C & 16.5°C respectively. For the recent week, on average 59.6 growing degree days were accumulated. Average relative humidity recorded as 69% and wind speed in the morning/evening recorded as 1.2/2.6 Knots. The lowest minimum temperature recorded as 8.0°C at Mithi.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light rain reported from Gilgit Baltistan and Kashmir during the previous week. Weekly maximum and minimum temperatures recorded as 16.1°C & 1.7°C respectively. For the recent week on average 0.5 growing degree days were accumulated. Average relative humidity recorded as 64%. and wind speed recorded in the morning/evening as 0.2/0.1. The lowest minimum temperature recorded as -6.6°C at Skardu.

Past Weather for Major Agricultural Plains**(25th November – 01st December 2024)****Rawalpindi (Potohar region)**

Rainfall reported as 0.01 (trace) mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded 2.3/1.7 Oktas while average relative humidity observed as 68%. Mean minimum time temperature was recorded as 7.6°C and for the recent week 8.9 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 6.5°C.

Faisalabad (Central Punjab)

Rainfall reported as 0.20 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded as 0.7/1.1 Oktas while, average relative humidity observed as 72%. Mean minimum time temperature recorded 11.2°C & for the recent week 26.1 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/0.3 Knots. The lowest minimum temperature was recorded as 10.5°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 73%. Mean minimum time temperature recorded as 16.1°C & for the recent week 60.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.5/2.8 Knots. The lowest minimum temperature was recorded as 14.0°C.

Usta Muhammad (Eastern Baluchistan)

Rainfall reported as 17.00 mm from Usta Muhammad during the week; however, cloudiness was recorded in the morning/evening as 1.7/1.0 Oktas, while average relative humidity observed as 77%. Mean minimum time temperature recorded as 13.1°C & for the recent week 106.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.5 Knots. The lowest minimum temperature was recorded as 12.5°C.

Quetta (Northern Baluchistan)

Rainfall reported as 5.60 mm from Quetta during the week; however, however cloudiness in the morning/evening recorded as 2.2/3.4 Oktas while, average relative humidity observed as 46%. Mean minimum time temperature recorded as 5.9°C & for the recent week 52.3 growing degree days

accumulated. Wind speed recorded in the morning/evening as 1.2/3.1 Knots. The lowest minimum temperature was recorded as 4.5°C.

Past Weather for Sub-Regional Agricultural Plains (25th November – 01st December 2024)**Multan**

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 1.0/1.1 Oktas while average relative humidity observed as 70%. Mean minimum time temperature recorded as 13.3°C & for the recent week 33.6 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/1.1 Knots.

Lahore

Dry weather reported from Lahore during the week; cloudiness in the morning/evening recorded as 0.4/0.3 Oktas while average relative humidity observed as 68%. Mean minimum time temperature recorded as 11.9°C & for the recent week 26.2 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.6 Knots.

Zhob

Rainfall reported as 11.00 mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 1.4/1.7 Oktas while, Average relative humidity observed as 41%. Mean minimum time temperature recorded as 6.3°C. Wind speed recorded in the morning/evening as 1.4/2.3 Knots.

Murree

Dry weather reported from Murree during the week; however, cloudiness in the morning/evening recorded as 2.0/2.0 Oktas while, average relative humidity observed as 51%. Mean minimum time temperature recorded as 4.0°C. Wind speed recorded in the morning/evening as 0.9/2.6 Knots.

D.I. Khan

Rainfall reported as 3.00 mm from D.I. Khan during the week; however, cloudiness in the morning/evening recorded as 0.0/1.1 Oktas while average relative humidity observed as 75%. Mean minimum time temperature recorded as 12.5°C & for the recent week 27.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/0.3 Knots.

Peshawar

Rainfall reported as 0.01 mm (trace) from Peshawar during the week; however, cloudiness in the morning/evening recorded as 1.7/2.4 Oktas while, average relative humidity observed as 76%. Mean minimum time temperature was recorded as 6.9°C & for the recent week 1.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/0.3 Knots.

Kalam

Rainfall reported as 14.50 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 1.9/2.6 Oktas while, average relative humidity observed as 60%. Mean minimum time temperature recorded as -0.8°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 3.1/3.4 Oktas while, average relative humidity observed as 63%. Mean minimum time temperature recorded as -1.2°C. Wind speed recorded in the morning/evening as 0.3/0.6 Knots.

Skardu

Dry weather reported from Skardu during the week; however, cloudiness in the morning/evening recorded as 3.4/2.6 Oktas while, average relative humidity observed as 60%. Mean minimum time temperature recorded as -4.7°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: Emergence. Condition: Very good.

Lower Sindh (Tandojam)

Wheat crop is sown in the fields of RAMC Tandojam. Date of sowing 14-11-2024. Phonological Stage: Third Leaf. 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 (25th November – 01st December 2024)

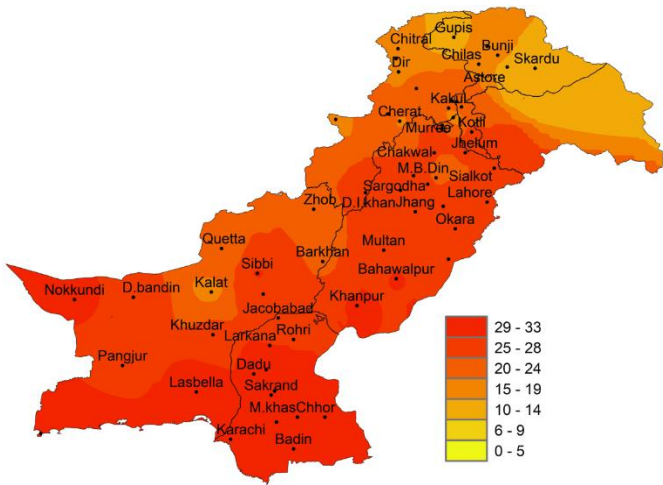


Figure 2: Actual Maximum temperature.

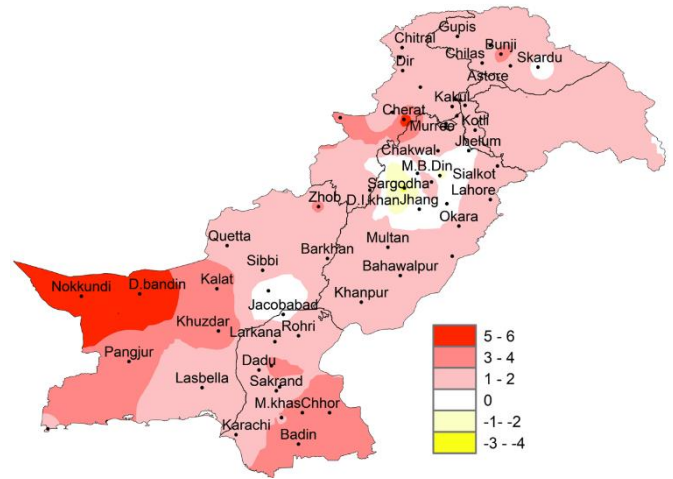


Figure 3: Departure of Maximum temperature.

Actual & Departure of Mean temperature (°C) for the Previous week (25th November – 01st December 2024)

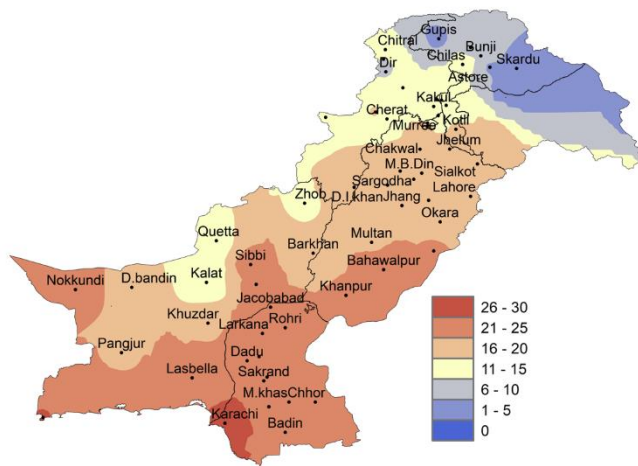


Figure 5: Actual Mean temperature.

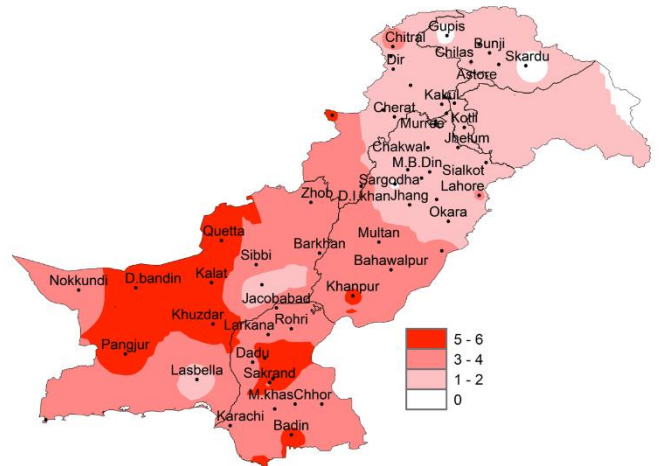


Figure 4: Departure of Mean temperature.

Actual Minimum temperature (°C) during the Previous week (25th November – 01st December 2024)

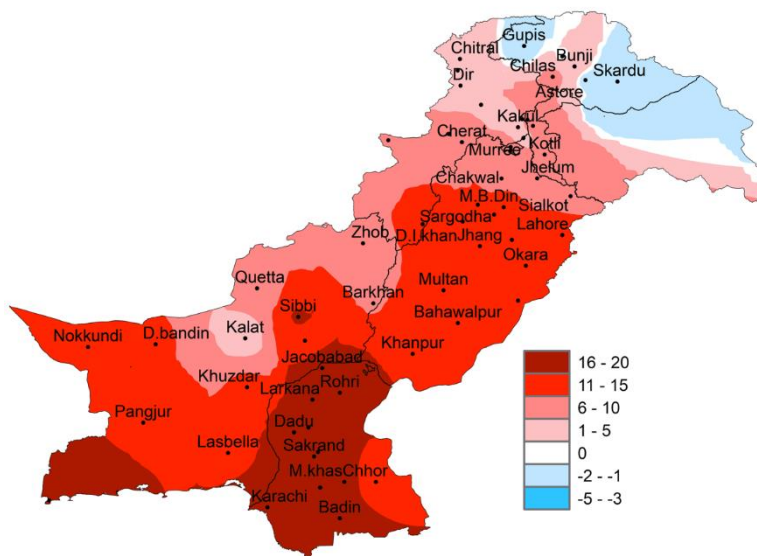


Figure 6: Actual Minimum temperature.

Departure of Minimum temperature (°C) during the Previous week (25th November – 01st December 2024)

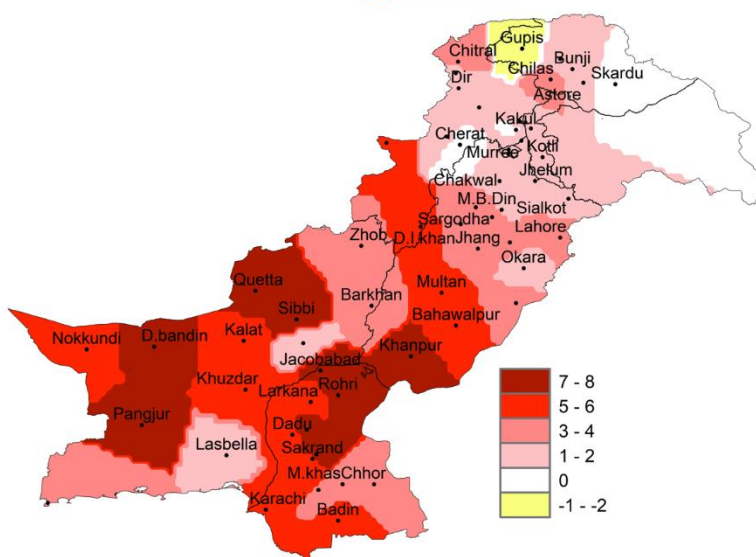


Figure 7: Departure of Minimum temperature.

Mean Relative Humidity (%) during the Previous week (25th November – 01st December 2024)

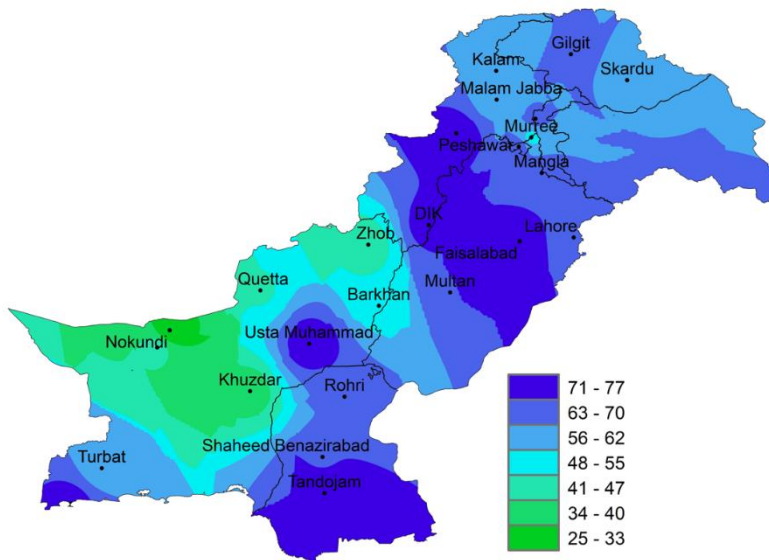


Figure 8: Relative Humidity

Total Growing Degree Days accumulated during the Previous week (25th November – 01st December 2024)

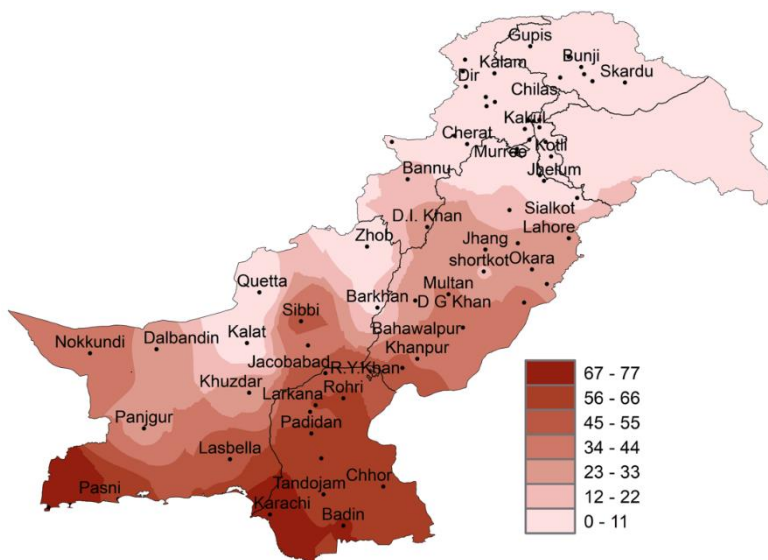


Figure 9: Growing Degree Days

Mean Cloudiness (Octas) at 0800PST during the Previous week (25th November – 01st December 2024)

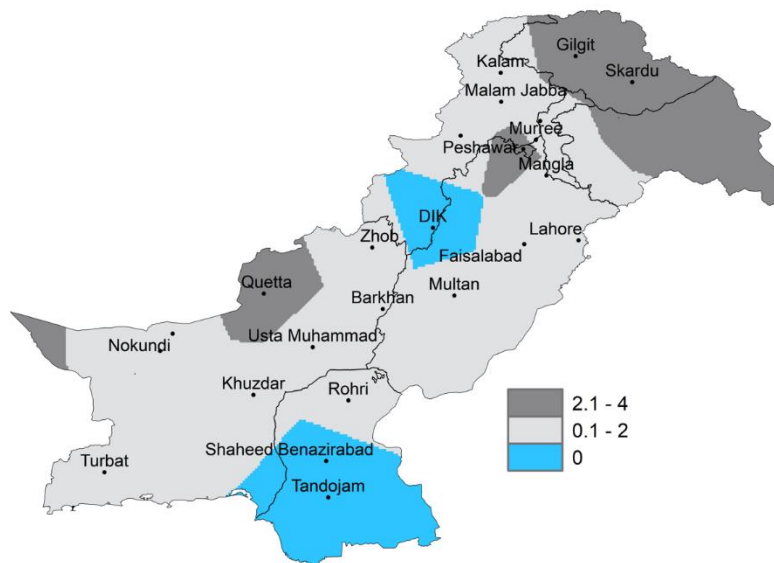


Figure 10: Mean Cloudiness at 0800

Mean Cloudiness (Octas) at 1700PST during the Previous week (25th November – 01st December 2024)

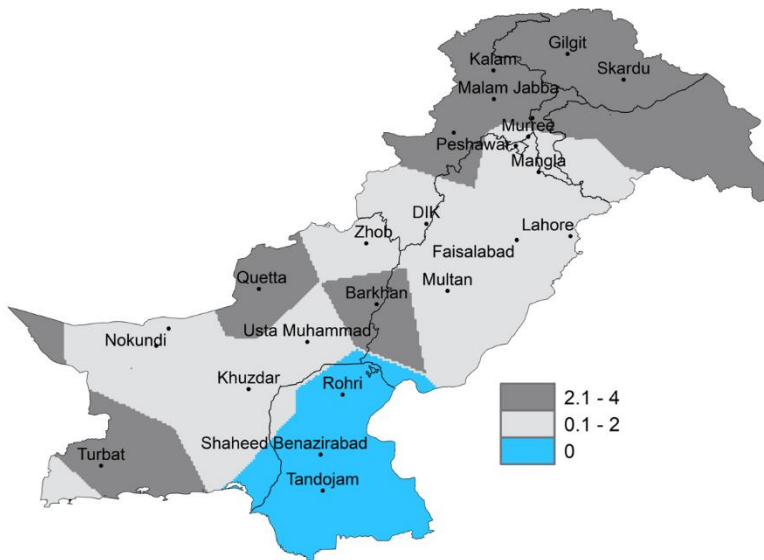


Figure 11: Mean Cloudiness at 1700

**Mean Wind Speed (Knots) at 0800PST during the
Previous week (25th November – 01st December 2024)**

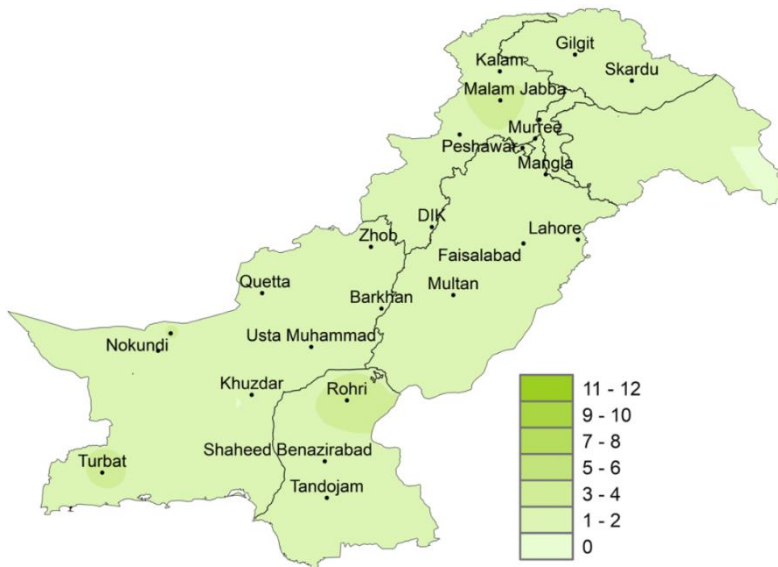


Figure 12: Mean Wind Speed 0300

**Mean Wind Speed (Knots) at 1700PST during the
Previous week (25th November – 01st December 2024)**

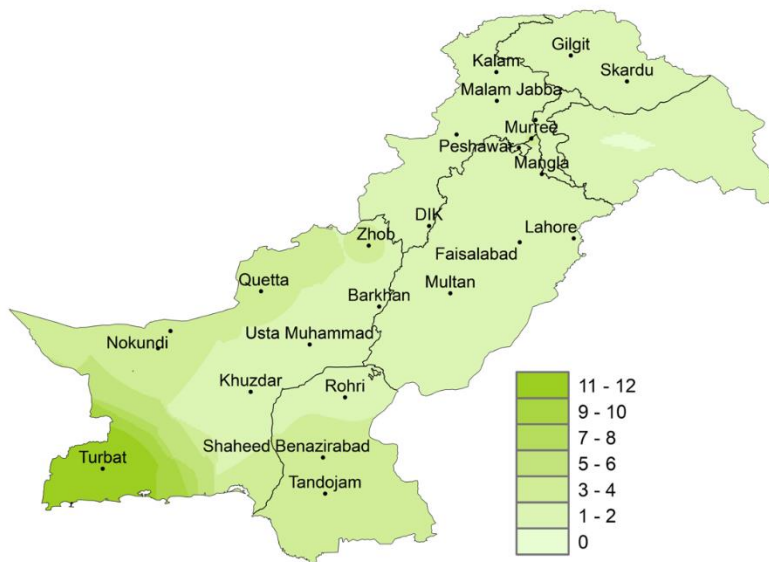
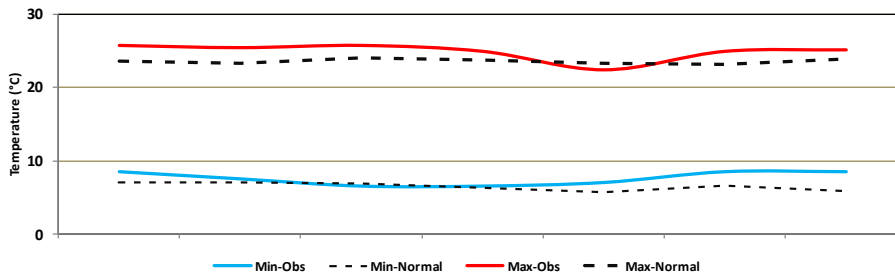


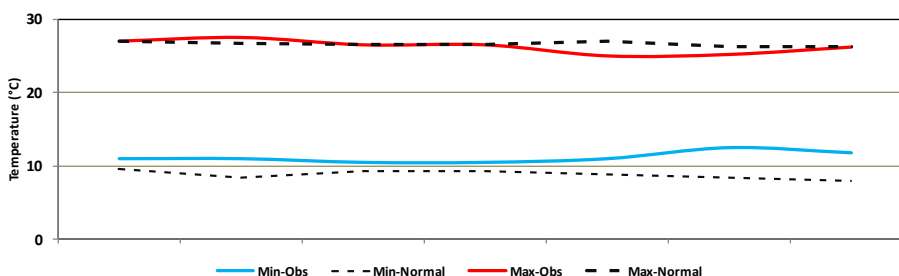
Figure 13: Mean Wind Speed 1700

Comparison of temperatures for RAMCs (Minimum & Maximum with normal) during the previous week (25th November – 01st December 2024)

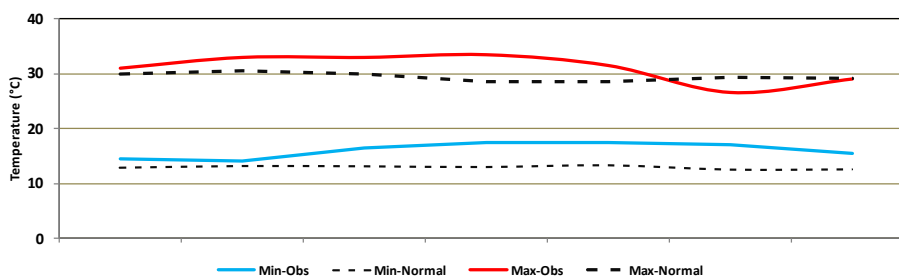
Rawalpindi (Min & Max Temperatures)



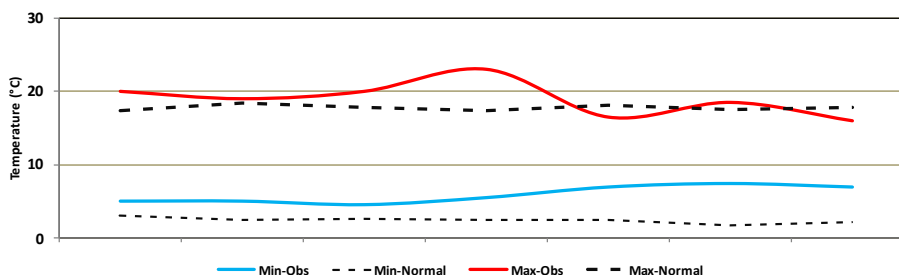
Faisalabad (Min & Max Temperatures)



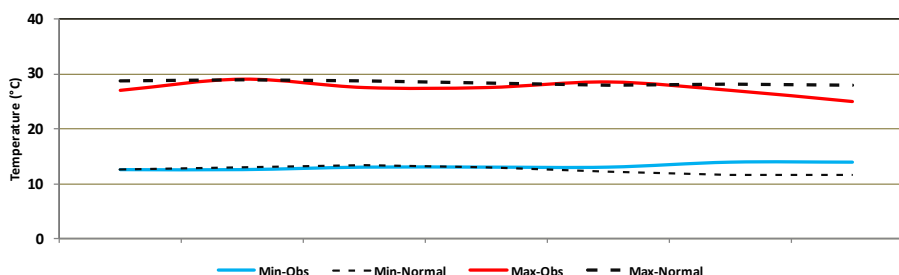
Tandojam (Min & Max Temperatures)



Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**(02nd – 08th December 2024)**

A westerly wave is present over western and upper parts of the country.

MONDAY**02-12-2024**

Cold and dry weather is expected in most parts of the country. However, rain-thunderstorm (with snowfall over hills) is likely in northeastern Balochistan, Upper Khyber Pakhtunkhwa, Gilgit-Baltistan and Kashmir. Light rain-thunderstorm is likely at isolated places in south Punjab. Shallow fog (in patches) is likely at few plain areas of Punjab and upper Sindh during night hours.

TUESDAY**03-12-2024**

Cold and dry weather is expected in most parts of the country. However, rain-thunderstorm (with snowfall over hills) is likely in northeastern Balochistan, Upper Khyber Pakhtunkhwa, Gilgit-Baltistan and Kashmir. Light rain-thunderstorm is likely at isolated places in south Punjab. Shallow fog (in patches) is likely at few plain areas of Punjab and upper Sindh during night hours.

WEDNESDAY**04-12-2024**

Mainly cold and dry weather is expected in most parts of the country. Smog/fog is likely in plain areas of Punjab and upper Sindh during morning/night.

THURSDAY**05-12-2024**

Mainly cold and dry weather is expected in most parts of the country. Smog/fog is likely in plain areas of Punjab and upper Sindh during morning/night.

FRIDAY**06-12-2024**

Mainly cold and dry weather is expected in most parts of the country while partly cloudy in Gilgit Baltistan. Smog/fog is likely in plain areas of Punjab and upper Sindh during morning/night.

SATURDAY**07-12-2024**

Mainly cold and dry weather while very cold in northern parts is expected in most parts of the country. Smog/fog is likely in plain areas of Punjab and upper Sindh during morning/night.

SUNDAY**08-12-2024**

Mainly cold and dry weather while very cold in northern parts is expected in most parts of the country. However, rain-thunderstorm (with snowfall over hills) is likely at isolated places in Upper Khyber Pakhtunkhwa and Gilgit-Baltistan. Smog/fog is likely in plain areas of Punjab and upper Sindh and Gilgit Baltistan during morning/night.

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (25th November – 01st 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	12.5	11.3	27.9	75	3.00	0.0	1.1	0.3	0.3
Faisalabad	11.2	10.5	26.1	72	0.20	0.7	1.1	0.3	0.3
Gawadar	17.6	15.5	71.0	75	0.00	1.9	1.4	0.0	9.7
Gilgit	-1.2	-3.5	0.0	63	0.00	3.1	3.4	0.3	0.6
Kalam	-0.8	-2.0	0.0	60	14.50	1.9	2.6	0.0	0.0
Khuzdar	11.3	10.5	27.8	34	65.40	1.1	1.6	0.0	0.3
Lahore	11.9	10.6	26.2	68	0.00	0.4	0.3	0.0	0.6
Malam Jabba	2.9	2.0	0.0	56	0.00	1.9	2.6	3.7	1.1
Mangla	8.2	6.7	10.1	67	0.00	1.9	1.3	0.6	0.0
Multan (PBO)	13.3	12.5	33.6	70	0.00	1.0	1.1	0.0	1.1
Murree	4.0	3.0	0.0	51	0.00	2.0	2.0	0.9	2.6
Muzaffarabad	7.0	6.3	0.0	66	0.00	1.0	3.0	0.0	0.0
Sh. Ben. Abad	16.8	15.5	63.0	69	0.00	0.0	0.0	0.9	3.7
Peshawar	6.9	5.7	1.3	76	0.01	1.7	2.4	0.3	0.3
Quetta	5.9	4.5	52.3	46	5.60	2.2	3.4	1.2	3.1
Rawalpindi	7.6	18.0	8.9	68	0.01	2.3	1.7	0.0	0.3
Rohri	17.6	17.0	56.0	65	0.00	1.3	0.0	2.3	1.4
Skardu	-4.7	-6.6	0.0	60	0.00	3.4	2.6	0.0	0.0
Tandojam	16.1	14.0	60.0	73	0.00	0.0	0.0	0.5	2.8
U.Muhammad	13.1	12.5	106.8	77	17.00	1.7	1.0	0.0	0.5
Zhob	6.3	5.5	0.0	41	11.00	1.4	1.7	1.4	2.3

*** Shows that data was not available.