

Past Weather of Provinces **(11th – 17th December 2023)**

Punjab

Light rainfall was reported from a few stations of Punjab Province. Highest rainfall, 2.0mm was reported from Sialkot. Weekly maximum and minimum temperatures recorded as 20.8°C & 6.7°C respectively. For the recent week on average 61.3 growing degree days were accumulated. Average relative humidity recorded as 69% and wind speed in the morning/evening recorded as 0.4/0.6 Knots. The lowest minimum temperature was recorded as 0.0°C at Murree.

Baluchistan

Light rainfall was reported from some stations of the province. Highest rainfall 5.0mm was reported from Kalat. Weekly maximum and minimum temperatures recorded as 22.6°C & 6.9°C respectively. For the recent week on average 68.2 growing degree days were accumulated. Average relative humidity recorded 44% and wind speed in the morning/evening recorded as 1.5/3.3 Knots. The lowest minimum temperature recorded as -4.5°C at Kalat.

Khyber Pakhtunkhwa

Light rainfall was reported from few stations of Khyber Pakhtunkhwa. Highest rainfall 4.2mm was reported from Drosh. Weekly maximum and minimum temperatures recorded as 16.8°C & 2.7°C respectively. For the recent week on average 34.3 growing degree days were accumulated. Average relative humidity recorded as 71% and wind speed in the morning/evening recorded as 1.1/0.9 Knots. During the previous week the lowest minimum temperature recorded as -5.5 °C at Kalam.

Sindh

Dry weather was reported from the province. Weekly maximum and minimum temperatures recorded as 26.2°C & 11.1°C respectively. For the recent week, on average 95.7 growing degree days were accumulated. Average relative humidity recorded as 70% and wind speed in the morning/evening recorded as 1.5/2.7 Knots. During the previous week the lowest minimum temperature recorded as 6.0 °C at Mithi.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light rainfall reported from Some districts of Gilgit Baltistan and Kashmir. Highest rainfall 1.0mm was reported from Muzaffarabad. Weekly maximum and minimum temperatures recorded as 13.1°C & -0.4°C respectively. For the recent week on average 15.6 growing degree days were accumulated. Average relative humidity recorded as 67%. and wind speed recorded in the morning/evening as 0.1/0.2. The lowest minimum temperature recorded as -7.8°C at Skardu.

Past Weather for Major Agricultural Plains (11th – 17th December 2023)

Rawalpindi (Potohar region)

Dry weather reported from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 2.4/1.9 Oktas while, average relative humidity observed as 75%. Mean minimum time temperature was recorded as 2.7°C and for the recent week 49.5 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 2.0°C.

Faisalabad (Central Punjab)

Dry weather reported from Faisalabad during the week; however, cloudiness in the morning/evening recorded 1.0/1.4 Oktas while, average relative humidity observed as 80%. Mean minimum time temperature recorded 6.8°C & for the recent week 61.0 growing degree days accumulated. Calm Wind speed recorded in the morning/evening. The lowest minimum temperature was recorded as 5.5°C.

Tandojam (Lower Sindh)

Dry weather reported from Tandojam during the week; however, cloudiness in the morning/evening recorded 0.3/0.0 Oktas while, average relative humidity observed as 70%. Mean minimum time temperature recorded as 10.7°C & for the recent week 92.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/1.2 Knots. Lowest minimum temperature was recorded as 9.5°C.

Usta Muhammad (Eastern Baluchistan)

Dry weather reported from Usta Muhammad during the week; however, cloudiness in the morning/evening recorded as 0.0/1.1 Oktas, average relative humidity observed as 70%. Mean minimum time temperature recorded as 7.7°C & for the recent week 74.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.5/0.8 Knots. The lowest minimum temperature was recorded as 7.0°C.

Quetta (Northern Baluchistan)

Rainfall 3.0mm was reported from Quetta during the week; however, cloudiness in the morning/evening recorded as 3.4/3.5 Oktas while, average relative humidity observed as 52%. Mean minimum time temperature recorded as 2.5°C & for the recent week 21.3 growing degree days accumulated. Wind speed recorded in the

morning/evening as 2.4/2.4 Knots. The lowest minimum temperature was recorded as 0.0°C.

Past Weather for Sub-Regional Agricultural Plains (11th – 17th December 2023)

Multan

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 1.7/2.9 Oktas. Average relative humidity observed as 76%. Mean minimum time temperature recorded as 8.7°C & for the recent week 72.2 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.6 Knots.

Lahore

Rainfall Trace (0.01mm) was reported from Lahore during the week; however, cloudiness in the morning/evening recorded as 0.4/1.6 Oktas, average relative humidity observed as 76%. Mean minimum time temperature recorded as 7.0°C & for the recent week 60.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

Zhob

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 0.9/2.3 Oktas. Average relative humidity observed as 36%. Mean minimum time temperature recorded as 1.8°C & for the recent week 28.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 3.3/4.4 Knots.

Murree

Rainfall Trace (0.01mm) was reported from Murree during the week; however, cloudiness in the morning/evening recorded as 2.6/1.0 Oktas while, average relative humidity observed as 54%. Mean minimum time temperature recorded as 1.4°C & for the recent week 10.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/0.9 Knots.

D.I. Khan

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 0.9/0.7 Oktas. Average relative humidity observed as 82%. Mean minimum time temperature recorded as 7.9°C & for the recent week

67.0 growing degree days accumulated. Wind speed recorded in the morning/evening 0.3/0.3 Knots.

Peshawar

Dry weather was reported from Peshawar during the week; however, cloudiness in the morning/evening recorded as 1.1/1.1 Oktas while, average relative humidity observed as 78%. Mean minimum time temperature was recorded as 3.7°C & for the recent week 49.5 growing degree days accumulated. Calm Wind recorded as in the morning/evening.

Kalam

Dry weather reported from Kalam during the week; however, cloudiness in the morning/evening recorded as 2.6/5.7 Oktas while, average relative humidity observed as 54%. Mean minimum time temperature recorded as -4.6°C. Calm wind recorded in the morning/evening.

Gilgit

Dry weather reported from Gilgit during the week, cloudiness in the morning/evening recorded as 3.6/4.4 Oktas while, average relative humidity observed as 64%. Mean minimum time temperature recorded as -3.3°C & for the recent week 1.1 growing degree days accumulated. Calm wind recorded in the morning/evening.

Skardu

Dry weather reported from Skardu during the week; however, cloudiness in the morning/evening recorded as 2.9/2.3 Oktas while, average relative humidity observed as 54%. Mean minimum time temperature recorded as -6.5°C. Calm wind recorded in the morning/evening.

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. Date of sowing 21-11-2023. Phonological Stage: 3rd leaf completed. Condition: *Very good*.

Lower Sindh (Tandojam)

Wheat crop is sown in the fields. Date of sowing 26-11-2023. Variety:TJ83. Phonological Stage: Tillering/Heading. Condition: *Good*

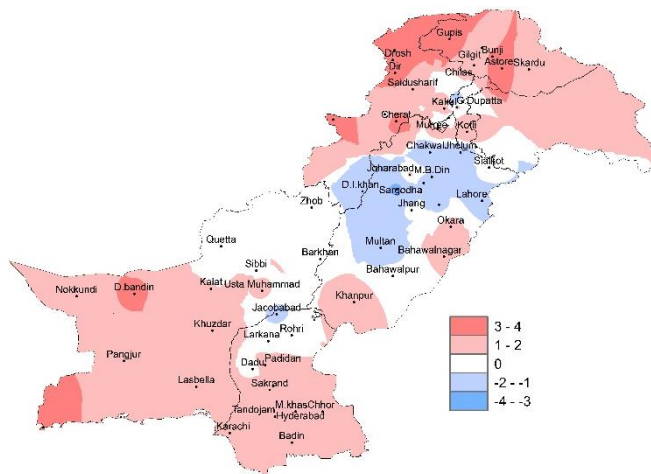
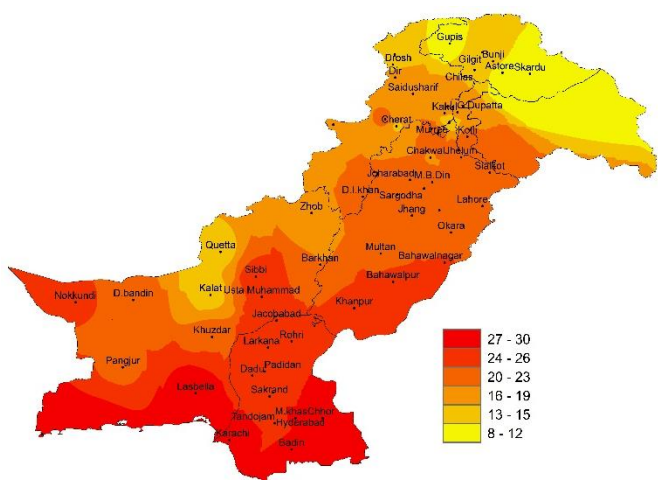
Northern Baluchistan (Quetta)

Wheat crop is sown in the fields of RAMC Quetta. Date of sowing 22-11-2023. Phonological Stage: 3rd Leaf. Condition: *Good*

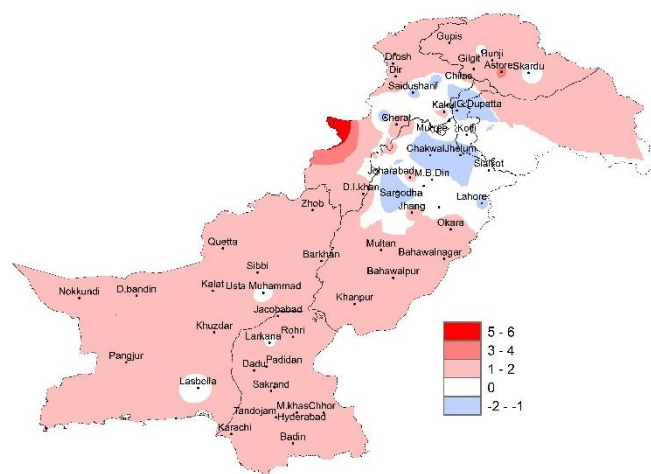
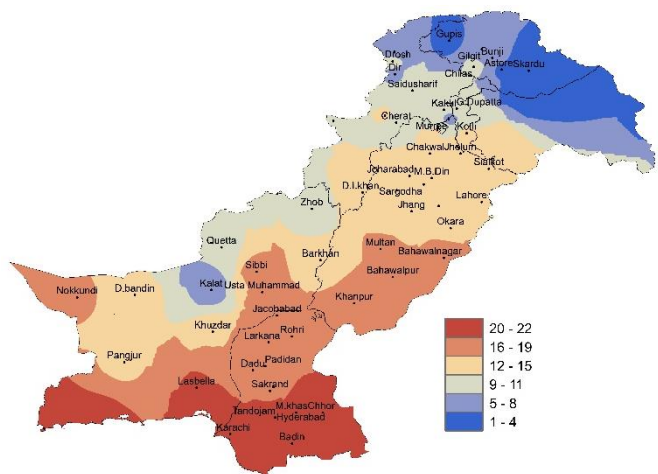
Eastern Baluchistan (Usta Muhammad) Rice crops are grown in the fields. Condition: good.

Stage: *Harvesting*.

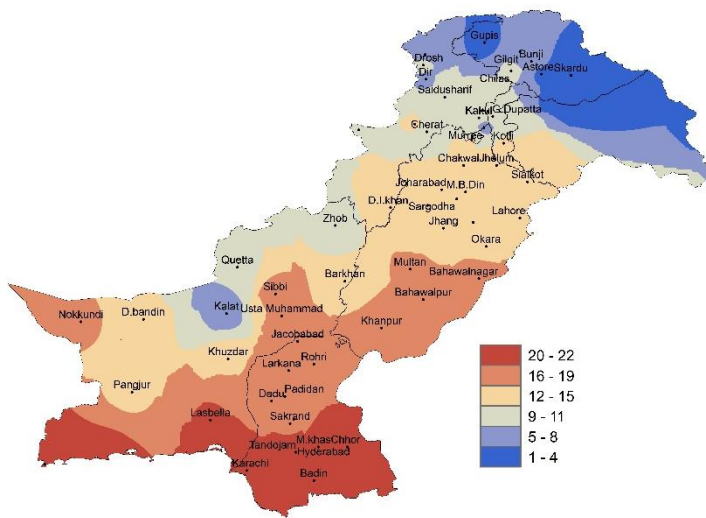
Actual & Departure of Maximum temperature (°C) for the Previous week (11th – 17th December 2023)



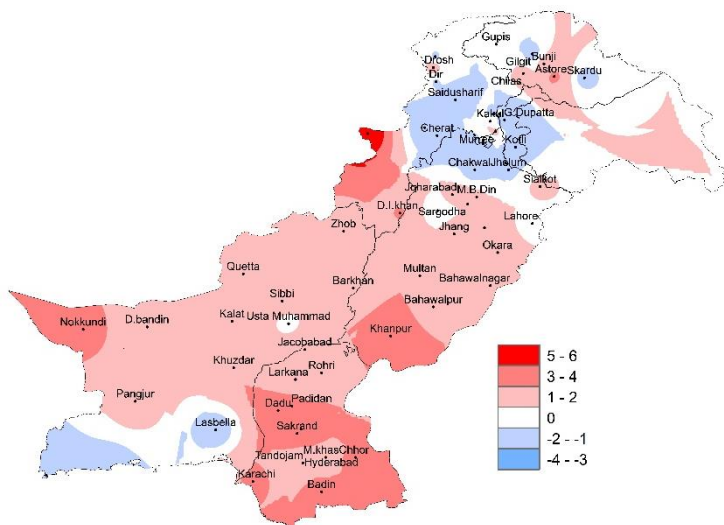
Actual & Departure of Mean temperature (°C) for the Previous week (11th – 17th December 2023)



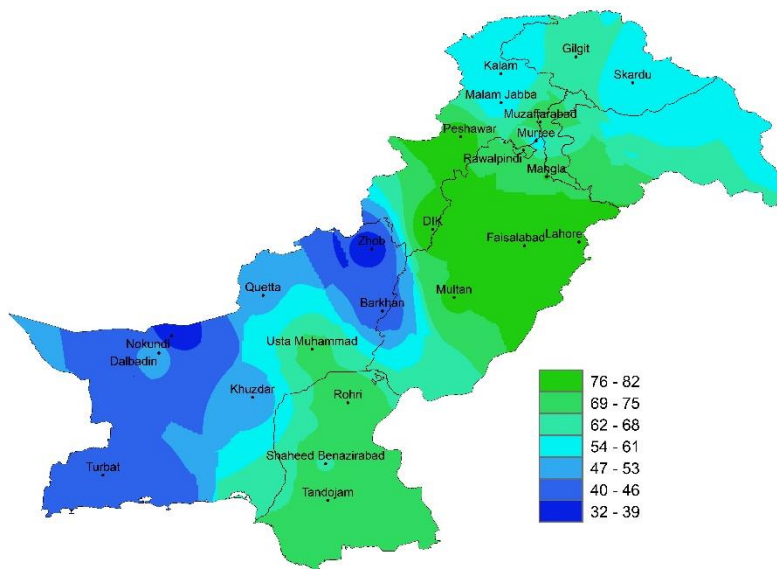
Actual Minimum temperature (°C) during the Previous week (11th – 17th December 2023)



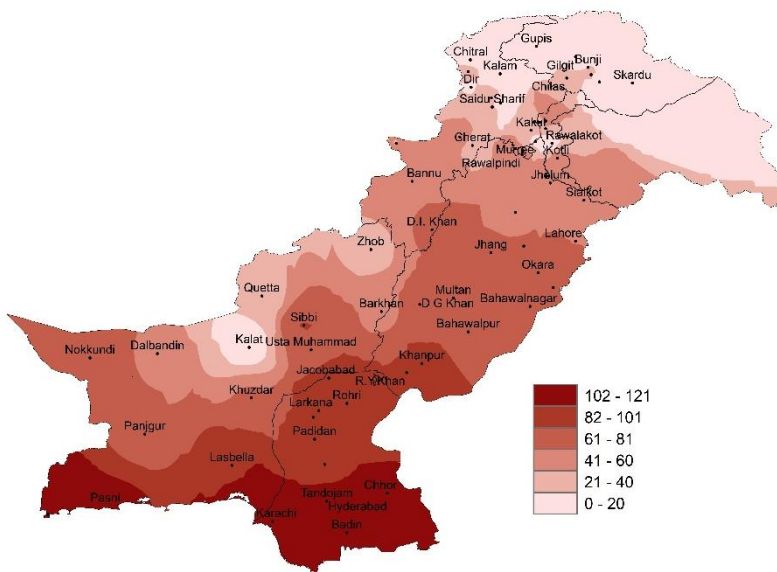
Departure of Minimum temperature (°C) during the Previous week (11th – 17th December 2023)



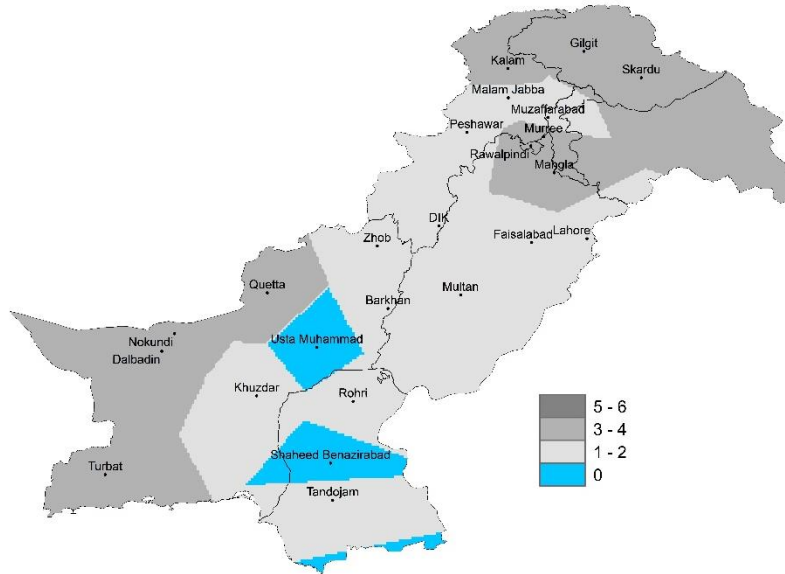
**Mean Relative Humidity (%) during the
Previous week (11th – 17th December 2023)**



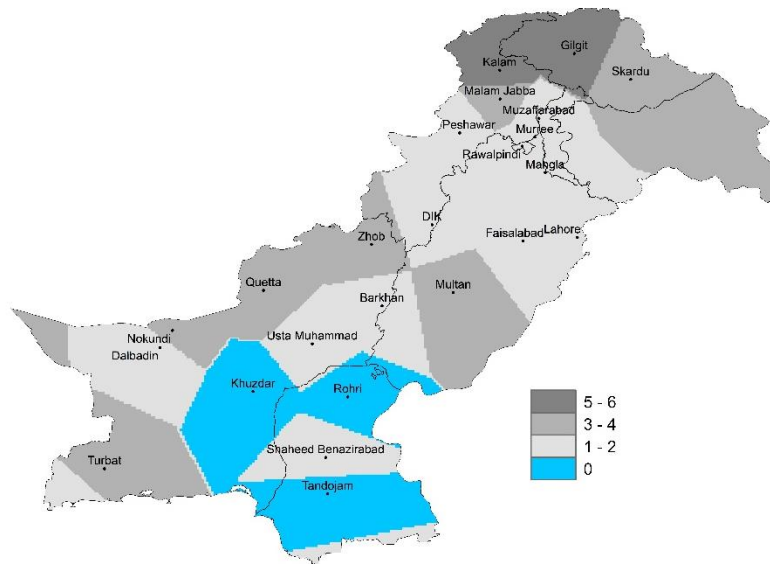
**Total Growing Degree Days accumulated during the
Previous week (11th – 17th December 2023)**



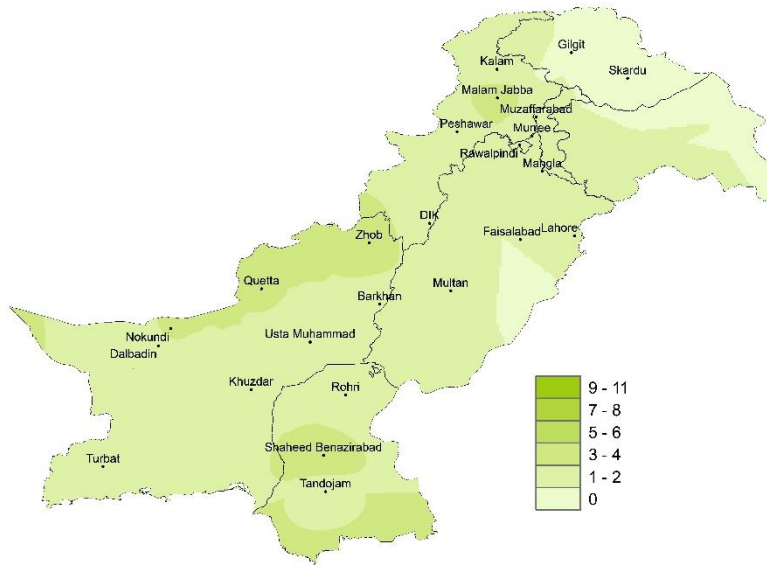
Mean Cloudiness (Octas) at 0800PST during the
Previous week (11th – 17th December 2023)



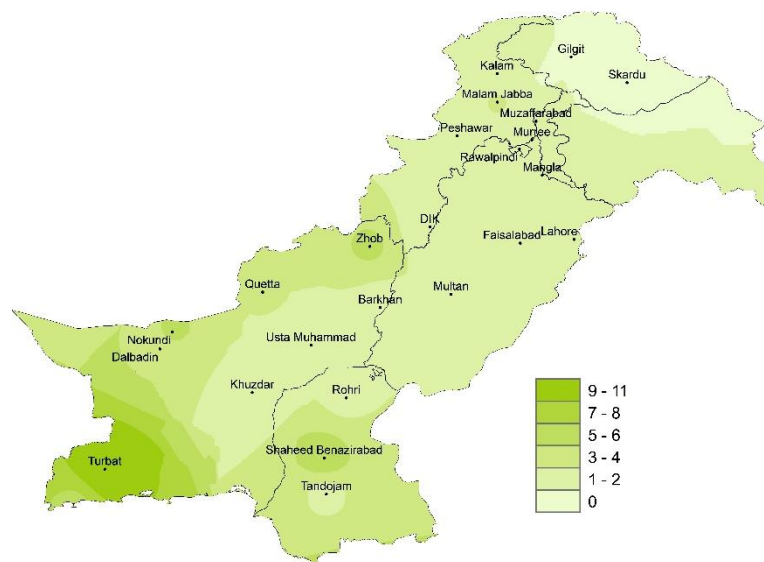
Mean Cloudiness (Octas) at 1700PST during the
Previous week (11th – 17th December 2023)



**Mean Wind Speed (Knots) at 0800PST during the
Previous week (11th – 17th December 2023)**

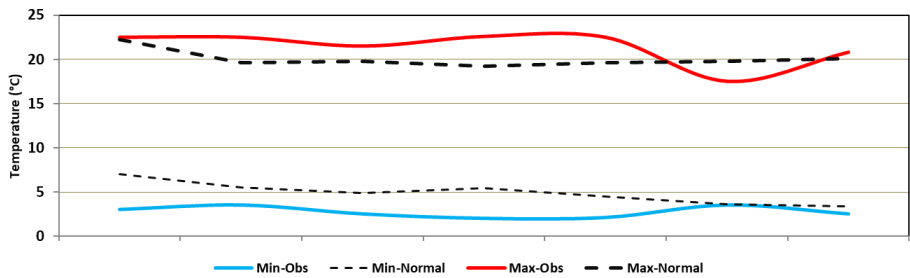


**Mean Wind Speed (Knots) at 1700PST during the
Previous week (11th – 17th December 2023)**

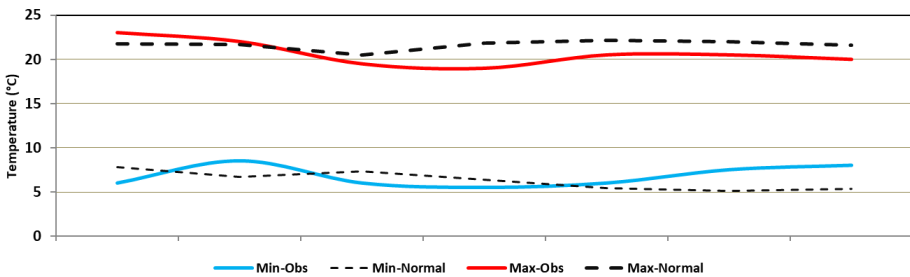


Comparison of temperatures for RAMCs (Minimum & Maximum with normal)
during the previous week (11th – 17th December 2023)

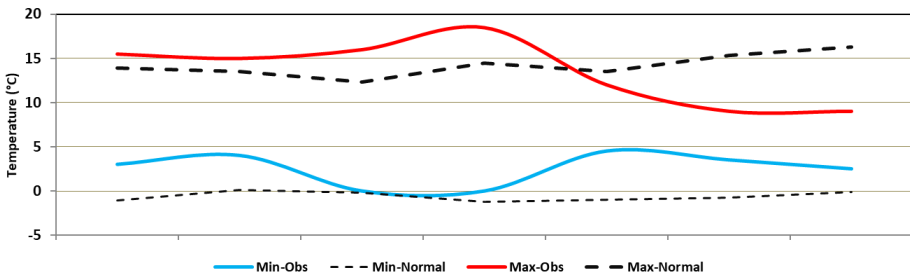
Rawalpindi (Min & Max Temperatures)



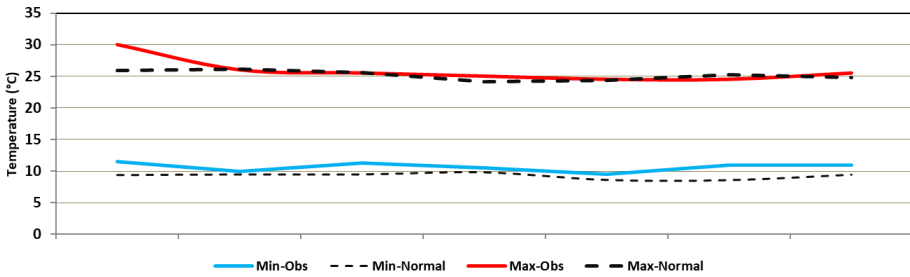
Faisalabad (Min & Max Temperatures)



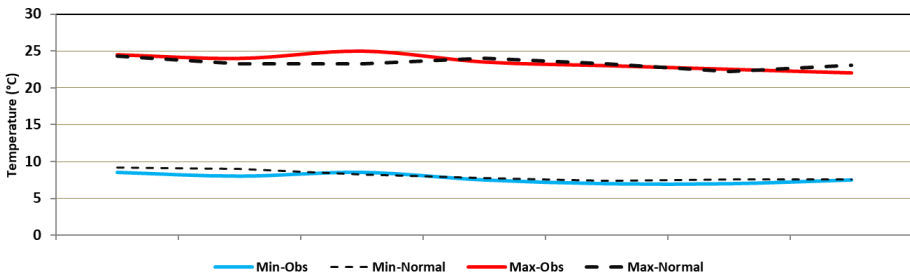
Quetta (Min & Max Temperatures)



Tandojam (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Weekly Weather Advisory for Farmers (18th–24th December 2023)

Continental air is prevailing over most parts of the country.

18-12-2023**MONDAY**

Mainly cold and dry weather is expected in most plain areas of the country, while very cold in northern areas. Fog/smog is likely to occur in upper Sindh, plain areas of Punjab and Khyber-Pakhtunkhwa during night hours.

TUESDAY**19-12-2023**

Mainly cold and dry weather is expected in most plain areas of the country, while very cold in northern areas. Fog/smog is likely to occur in upper Sindh, plain areas of Punjab and Khyber-Pakhtunkhwa during morning and night hours.

WEDNESDAY**20-12-2023**

Mainly cold and partly cloudy weather is expected in most plain areas of the country, While very cold in upper districts. Fog/smog is likely in upper Sindh, plain areas of Punjab and Khyber Pakhtunkhwa during morning and night.

THURSDAY**21-12-2023**

Mainly cold and dry weather is expected in most plain areas of the country, While very cold in upper parts. Fog/smog is likely in upper Sindh, plain areas of Punjab and Khyber Pakhtunkhwa during morning and night.

FRIDAY**22-12-2023**

Mainly cold and dry weather is expected in most plain areas of the country, While very cold in upper parts. Fog/smog is likely in upper Sindh, plain areas of Punjab and Khyber Pakhtunkhwa during morning and night.

SATURDAY**23-12-2023**

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

SUNDAY**24-12-2023**

Mainly cold and dry weather is expected in most plain areas of the country, While very cold and partly cloudy in upper parts. Fog/smog is likely in

upper Sindh, plain areas of Punjab and Khyber Pakhtunkhwa during morning and night.

ADVISORY FOR FARMERS

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

National Weather Data of Selected Cities from (11th – 17th December 2023)

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	7.9	7.0	67.0	82	0.00	0.9	0.7	0.3	0.3
Faisalabad	6.8	5.5	61.0	80	0.00	1.0	1.4	0.0	0.0
Gawadar	14.6	12.5	121.3	46	0.00	2.0	1.7	0.6	5.4
Gilgit	-3.3	-5.1	1.1	64	0.00	3.6	4.4	0.0	0.0
Kalam	-4.6	-5.5	0.0	54	0.00	2.6	5.7	0.0	0.0
Khuzdar	7.0	6.0	65.5	49	0.00	0.3	0.0	0.6	0.0
Lahore	7.0	5.8	60.4	76	0.01	0.4	1.6	0.0	0.3
Malam Jabba	0.6	-1.5	0.0	57	0.00	1.7	2.3	4.0	2.3
Mangla	4.6	4.0	54.6	75	0.00	3.0	1.5	0.3	0.7
Multan (PBO)	8.7	8.0	72.2	76	0.00	1.7	2.9	0.0	0.6
Murree	1.4	0.0	10.3	54	0.01	2.6	1.0	1.1	0.9
Muzaffarabad	4.1	3.7	31.9	74	1.00	1.3	1.7	0.0	0.0
Sh. Ben. Abad	11.2	9.8	95.8	67	0.00	0.0	0.4	3.4	5.4
Peshawar	3.7	3.5	49.5	78	0.00	1.1	1.1	0.0	0.0
Quetta	2.5	0.0	21.3	52	3.00	3.4	3.5	2.4	2.4
Rawalpindi	2.7	2.0	49.5	75	0.00	2.4	1.9	0.0	0.3
Rohri	10.2	9.8	86.1	72	0.00	1.0	0.0	0.0	1.4
Skardu	-6.5	-7.8	0.0	54	0.00	2.9	2.3	0.0	0.0
Tandojam	14.1	12.0	118.0	42	0.00	1.9	2.1	1.9	10.6
U.Muhammad	7.7	7.0	74.3	70	0.00	0.0	1.1	0.5	0.8
Zhob	1.8	1.0	28.8	36	0.00	0.9	2.3	3.3	4.4

*** Shows that data was not available.