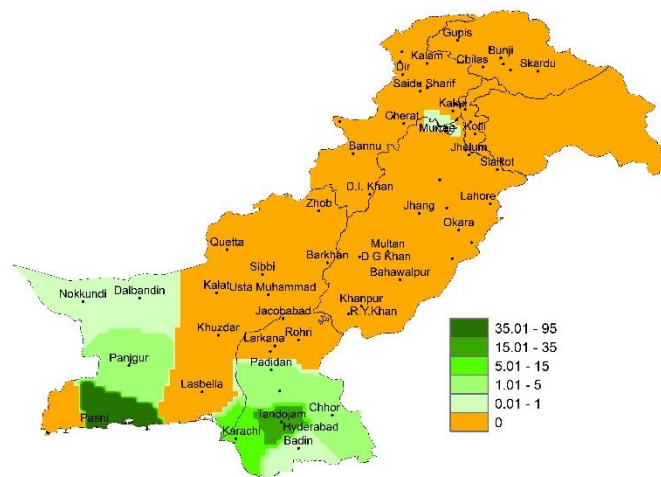


Weekly Weather and Crop Bulletin for Pakistan

**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 (20th November 2023 – 26th November 2023)

Highlights of Past Weather (20th November 2023 – 26th November 2023)

- Light to moderate rain was reported from central to lower parts of Sindh and western Baluchistan, with isolated heavy falls occurred at Pasni.
- Dry weather reported from most parts of the country particularly Punjab, upper Sindh, eastern half of Baluchistan, Khyber Pakhtunkhwa, Gilgit Baltistan and Kashmir.
- Above-normal mean daily temperatures were observed in most parts of the country.

Contents

Highlights of past weather	1-2
Past weather for Agri Plains	3-4
Crop progress	4
Agrometeorological parameters	
• Temperature	5
• R.H and GDD	6
• Wind speed	7
• Cloudiness	8
Comparison of temperatures for RAMCs during the previous week	9
Advisory for Farmers	10
Weather Outlook	10
National data for selected stations	11

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

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

Editor: Dr. Tariq Mahmood (Meteorologist)

Past Weather of Provinces (20th November 2023 – 26th November 2023)

Punjab

Dry weather reported from Punjab Province throughout the last week whereas trace amount of rainfall (0.01mm) recorded only from Islamabad (ZP). Weekly maximum and minimum temperatures recorded as 25.0°C & 10.8°C respectively. For the recent week on average 90.2 growing degree days were accumulated. Average relative humidity recorded as 61% and wind speed in the morning/evening recorded as 0.1/0.8 Knots. The lowest minimum temperature was recorded as 4.0°C at Murree.

Baluchistan

Light to moderate rain was reported from western parts of Baluchistan, with isolated heavy falls occurred at Pasni. Weekly maximum and minimum temperatures recorded as 25.8°C & 10.7°C respectively. For the recent week on average 92.8 growing degree days were accumulated. Average relative humidity recorded 45% and wind speed in the morning/evening recorded as 1.1/3.1 Knots. The highest rainfall recorded as 94.0 mm at Pasni while the lowest minimum temperature recorded as -3.0°C at Kalat.

Khyber Pakhtunkhwa

Dry weather reported from Khyber Pakhtunkhwa. Weekly maximum and minimum temperatures recorded as 21.4 °C & 6.0°C respectively. For the recent week on average 60.9 growing degree days were accumulated. Average relative humidity recorded as 68% and wind speed in the morning/evening recorded as 1.2/1.1 Knots. During the previous week the lowest minimum temperature recorded as -2.5 °C at Kalam.

Sindh

Light to moderate rain reported from few stations of Sindh. Weekly maximum and minimum temperatures recorded as 28.4°C & 14.9°C respectively. For the recent week, on average 116.8 growing degree days were accumulated. Average relative humidity recorded as 67% and wind speed in the morning/evening recorded as 2.2/3.5 Knots.

During the previous week the highest rainfall recorded as 17.0 mm at Hyderabad while lowest minimum temperature recorded as 10.5 °C at Mithi.

Gilgit-Baltistan and Azad Jammu & Kashmir

Dry weather reported from Gilgit Baltistan and dry weather was reported from Kashmir. Weekly maximum and minimum temperatures recorded as 18.9°C & 3.1°C respectively. For the recent week on average 42.0 growing degree days were accumulated. Average relative humidity recorded as 65%. Calm wind recorded in the morning/evening. The lowest minimum temperature recorded as -5.0°C at Skardu.

Past Weather for Major Agricultural Plains (20th November 2023 – 26th November 2023)

Rawalpindi (Potohar region)

Dry weather from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 2.0/2.9 Oktas while, average relative humidity observed as 76%. Mean minimum time temperature was recorded as 6.9°C and for the recent week 75.8 growing degree days were accumulated. Calm wind recorded in the morning/evening. The lowest minimum temperature was recorded as 6.0°C.

Faisalabad (Central Punjab)

Dry weather reported from Faisalabad during the week; however, cloudiness in the morning/evening recorded as 0.4/1.6 Oktas while, average relative humidity observed as 77%. Mean minimum time temperature recorded as 11.0°C & for the recent week 92.2 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.1/0.2 Knots. The lowest minimum temperature was recorded as 9.0°C.

Tandojam (Lower Sindh)

Dry weather reported from Tandojam during the week; however, cloudiness in the morning/evening recorded as 1.4/1.4 Oktas, while average relative humidity observed as 70%. Mean minimum time temperature recorded as 13.7°C & for the recent week 109.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.1/0.9 Knots. Lowest minimum temperature was recorded as 13.0°C.

Usta Muhammad (Eastern Baluchistan)

Dry weather reported from Usta Muhammad during the week; however, cloudiness in the morning/evening recorded as 1.8/2.0 Oktas, average relative humidity observed as 73%. Mean minimum time temperature recorded as 12.2°C & for the recent week 103.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.2/0.2 Knots. The lowest minimum temperature was recorded as 12.0°C.

Quetta (Northern Baluchistan)

Dry weather reported from Quetta during the week; however, cloudiness in the morning/evening recorded as 2.4/2.7 Oktas while, average relative humidity observed as 42%. Mean minimum time temperature recorded as 6.1°C & for the recent week 53.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.8/2.8 Knots. The lowest minimum temperature was recorded as 4.5°C.

Past Weather for Sub-Regional Agricultural Plains (20th November 2023 – 26th November 2023)**Multan**

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 2.0/2.1 Oktas. Average relative humidity observed as 70%. Mean minimum time temperature recorded as 12.5°C & for the recent week 99.0 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; however, cloudiness in the morning/evening recorded as 1.4/1.7 Oktas, average relative humidity observed as 69%. Mean minimum time temperature recorded as 11.4°C & for the recent week 91.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/0.6 Knots.

Zhob

Dry weather reported from Zhob during the week; however, cloudiness in the morning/evening recorded as 2.6/2.1 Oktas while, average relative humidity observed as 32%. Mean minimum time temperature recorded as 6.9°C & for the recent week 70.0 growing degree days accumulated. Wind

speed recorded in the morning/evening as 1.7/2.9 Knots.

Murree

Dry weather reported from Murree during the week; however, cloudiness in the morning/evening recorded as 1.4/2.9 Oktas while, average relative humidity observed as 44%. Mean minimum time temperature recorded as 5.0°C & for the recent week 41.7 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/0.6 Knots.

D.I. Khan

Dry weather reported from DI Khan during the week; however, cloudiness in the morning/evening recorded as 1.3/1.0 Oktas while average relative humidity observed as 76%. Mean minimum time temperature recorded as 12.3°C & for the recent week 97.5 growing degree days accumulated. 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 1.9/3.7 Oktas while, average relative humidity observed as 79%. Mean minimum time temperature was recorded as 7.2°C & for the recent week 73.5 growing degree days accumulated. Calm wind recorded as calm in the morning/evening.

Kalam

Dry weather reported from Kalam during the week; however, cloudiness in the morning/evening recorded as 2.7/1.4 Oktas while, average relative humidity observed as 54%. Mean minimum time temperature recorded as -1.4 °C & for the recent week 18.8 growing degree days accumulated. Calm wind recorded as calm in the morning/evening.

Gilgit

Dry Weather reported from Gilgit during the week, cloudiness in the morning/evening recorded as 2.9/2.1 Oktas while, average relative humidity observed as 60%. Mean minimum time temperature recorded as 0.6°C & for the recent week 38.6 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 1.7/3.1 Oktas while, average relative humidity observed as 54%. Mean minimum time temperature recorded as -3.8°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. Condition: *Very good*.

Lower Sindh (Tandojam)

Wheat crop is sown in the fields. Date of sowing 26-11-2023. Variety:TJ83.

Northern Baluchistan (Quetta)

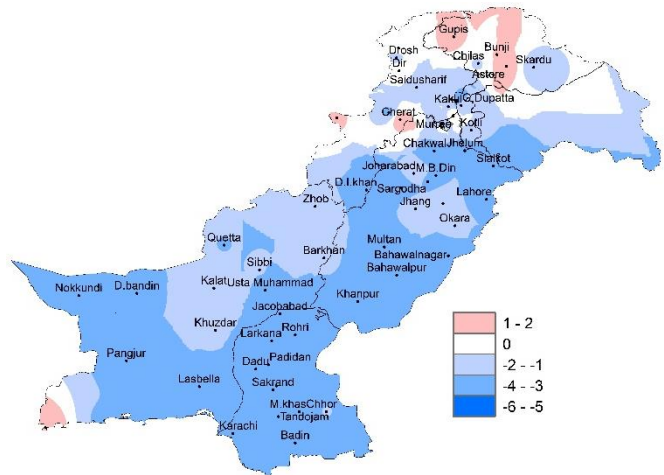
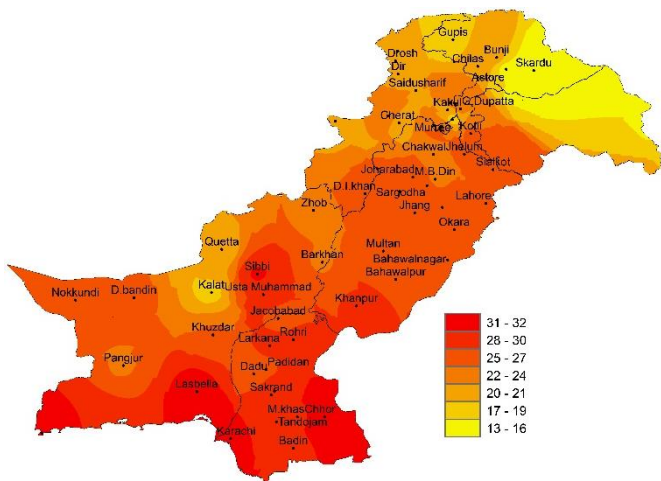
Wheat crop is sown in the fields of RAMC Quetta. Date of sowing 22-11-2023.

Eastern Baluchistan (Usta Muhammad)

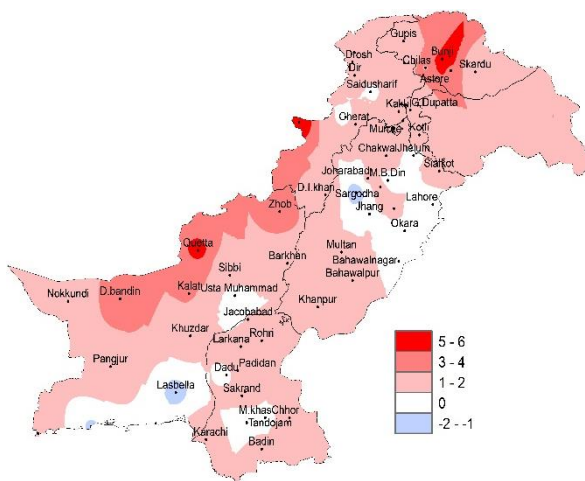
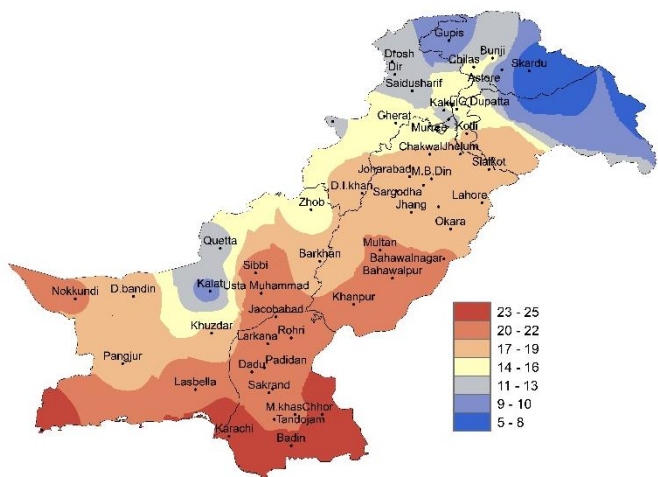
Rice crops are grown in the fields. Condition: good.

Stage: *Full maturity*.

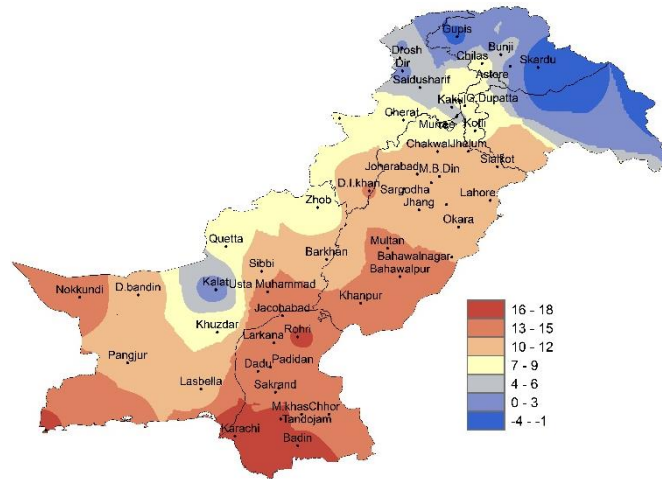
Actual & Departure of Maximum temperature (°C) for the Previous week (20th November 2023 – 26th November 2023)



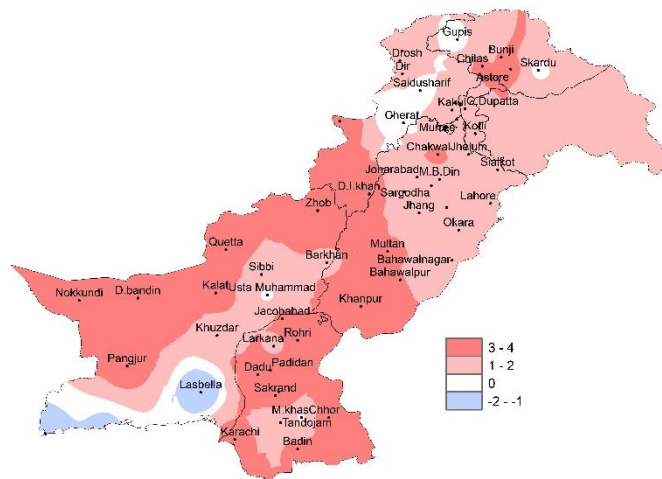
Actual & Departure of Mean temperature (°C) for the Previous week (20th November 2023 – 26th November 2023)



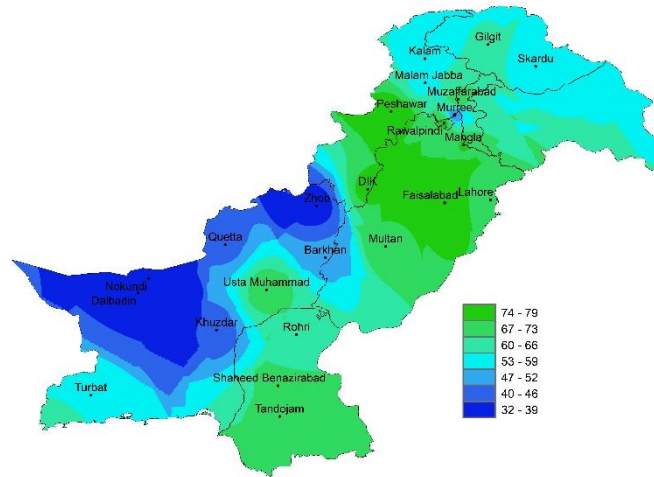
Departure of Minimum temperature (°C) the
Previous week (20th November 2023 – 26th November 2023)



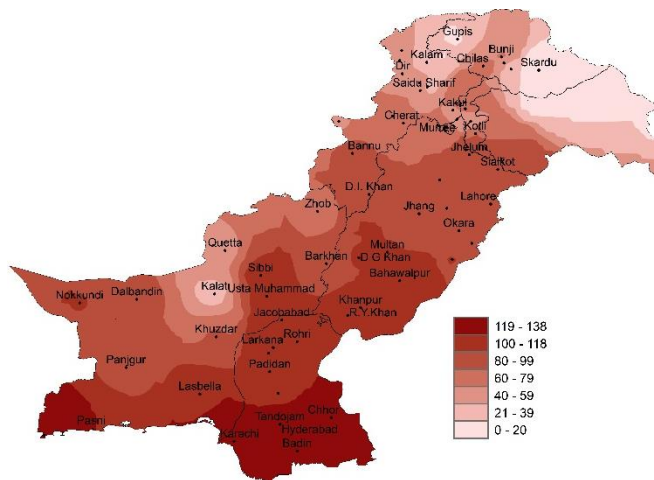
Actual Minimum temperature (°C) during the
Previous week (20th November 2023 – 26th November 2023)



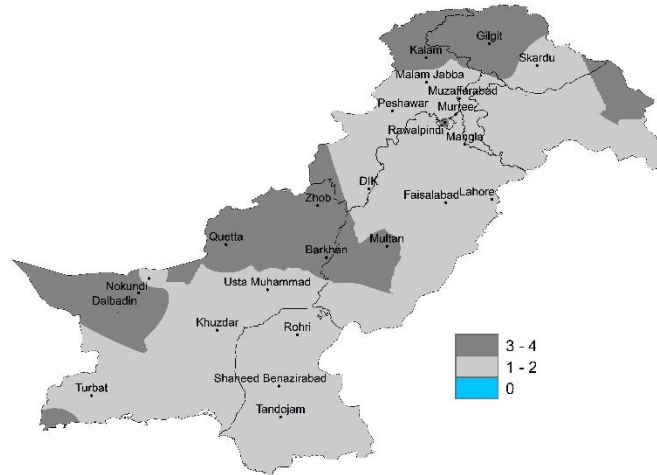
**Mean Relative Humidity (%) during the
Previous week (20th November 2023 – 26th November 2023)**



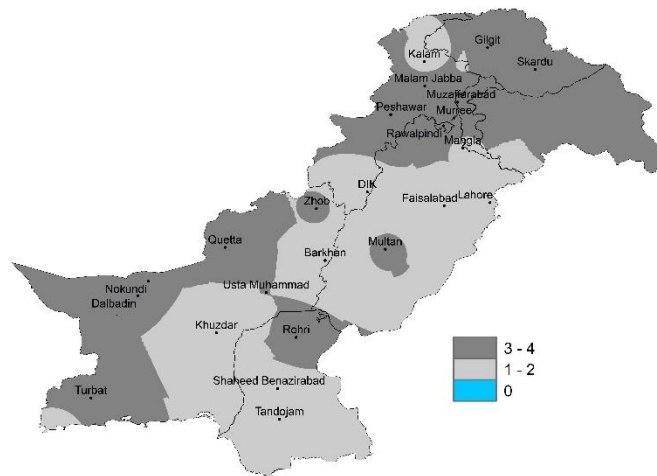
**Total Growing Degree Days accumulated during the
Previous week (20th November 2023 – 26th November 2023)**



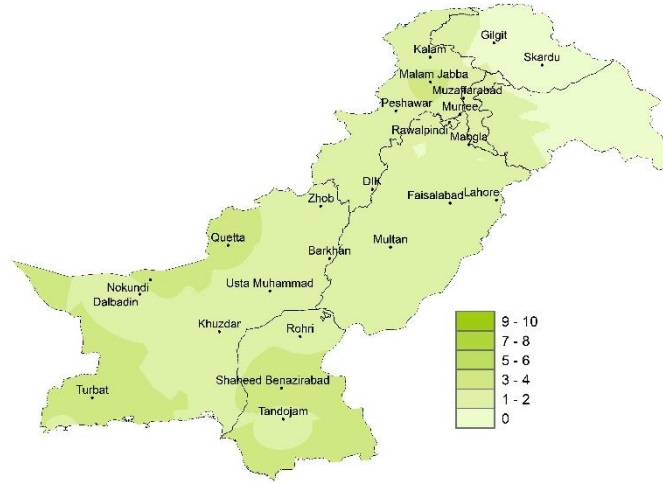
Mean Cloudiness (Octas) at 0800PST during the
Previous week (20th November 2023 – 26th November 2023)



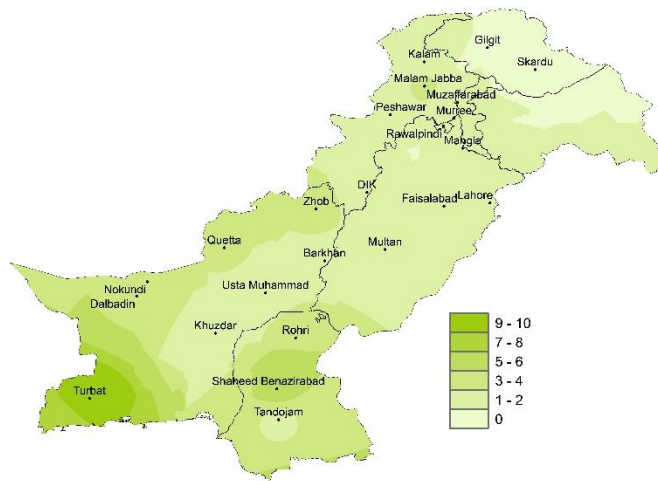
Mean Cloudiness (Octas) at 1700PST during the
Previous week (20th November 2023 – 26th November 2023)



**Mean Wind Speed (Knots) at 0800PST during the
Previous week (20th November 2023 – 26th November 2023)**

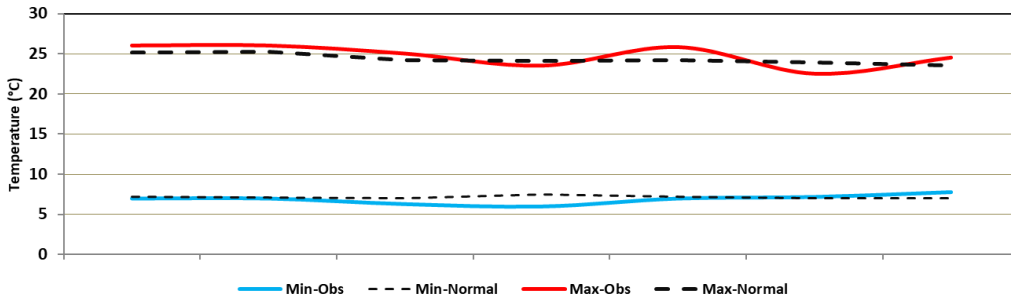


**Mean Wind Speed (Knots) at 1700PST during the
Previous week (20th November 2023 – 26th November 2023)**

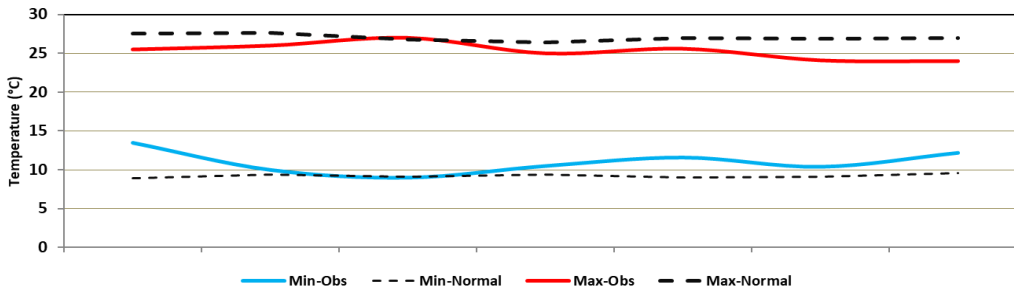


Comparison of temperatures for RAMCs (Minimum & Maximum with normal)
during the previous week (20th November 2023 – 26th November 2023)

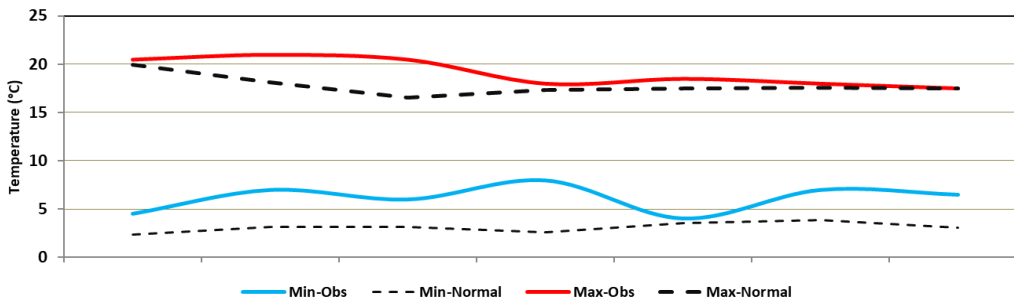
Rawalpindi (Min & Max Temperatures)



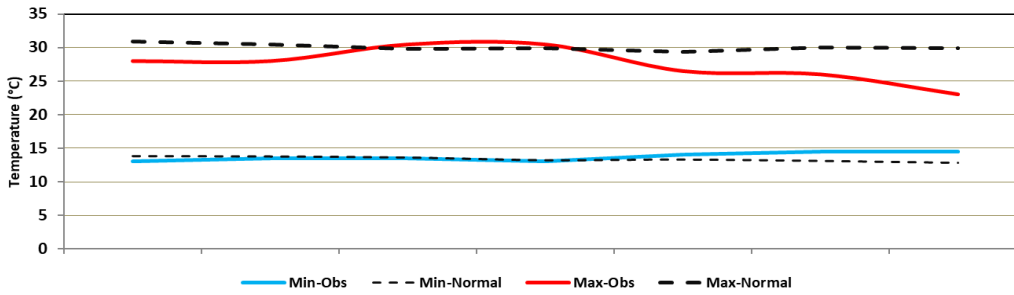
Faisalabad (Min & Max Temperatures)



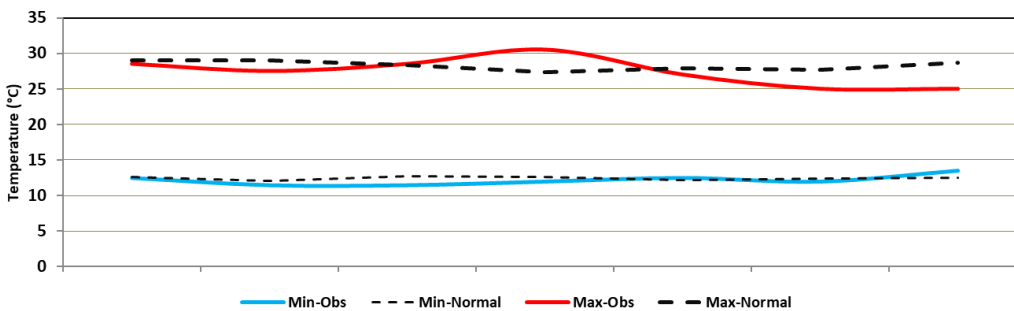
Quetta (Min & Max Temperatures)



Tandojam (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



**Weekly Weather Advisory for Farmers (27th
November 2023 – 03rd December 2023)**

ADVISORY FOR FARMERS

Continental air is prevailing over most parts of the country.

27-11-2023

MONDAY

Cold and cloudy weather is expected in most upper parts of the country. However, light rain is likely in Kashmir and Gilgit Baltistan.

TUESDAY

28-11-2023

Cold and partly cloudy weather is expected in most upper parts of the country. Smog/fog is likely in few plain areas of Punjab during morning hours.

29-11-2023

Mainly cold and dry weather is expected in most parts of the country. However, cloudy weather with chance of rain-wind thunderstorm (light snowfall over mountains) is likely in upper Khyber Pakhtunkhwa, Gilgit Baltistan, Kashmir, Islamabad and Potohar region. Cold and dry weather is expected in other parts of the country. Fog/smog is likely to persist in plain areas of Punjab and Sindh during morning hours.

THURSDAY

30-11-2023

Rain- wind thunderstorm (snowfall over mountains) is likely in upper Khyber Pakhtunkhwa, Gilgit-Baltistan, Kashmir, Islamabad, Potohar region and northeast Punjab. Cold and dry weather is expected elsewhere in the country. Fog/smog is likely to persist in plain areas of Punjab and Sindh during morning hours.

FRIDAY

01-12-2023

Rain-wind thunderstorm (snowfall over mountains) is likely in upper Khyber Pakhtunkhwa, Gilgit-Baltistan and Kashmir. Cold and dry weather is expected elsewhere in the country. Fog/smog is likely to persist in plain areas of Punjab, Sindh and Khyber Pakhtunkhwa during morning hours.

SATURDAY

02-12-2023

Mainly cold and dry weather is expected in most parts of the country. Fog/smog is likely to persist in plain areas of Punjab, Sindh and Khyber Pakhtunkhwa during morning hours.

SUNDAY

03-12-2023

Mainly cold and dry weather is expected in most parts of the country. Fog/smog is likely to persist in plain areas of Punjab, Sindh and Khyber Pakhtunkhwa during morning hours.

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

National Weather Data of Selected Cities from (20th November 2023 – 26th November 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	12.3	11.0	97.5	76	0.0	1.3	1.0	0.9	0.9
Faisalabad	11.0	9.0	92.2	77	0.0	0.4	1.6	0.1	0.2
Gawadar	17.2	16.5	132.3	63	0.0	2.1	1.6	1.7	6.6
Gilgit	0.6	-1.5	38.6	60	0.0	2.9	2.1	0.0	0.0
Kalam	-1.4	-2.5	18.8	54	0.0	2.7	1.4	0.0	0.0
Khuzdar	8.6	6.5	81.0	40	0.0	0.0	0.7	0.0	0.0
Lahore	11.4	11.0	91.0	69	0.0	1.4	1.7	0.0	0.6
Malam Jabba	4.5	3.0	27.5	56	0.0	1.1	3.1	4.0	2.9
Mangla	9.0	7.0	85.2	73	0.0	0.6	1.6	0.0	0.0
Multan (PBO)	12.5	10.7	99.0	70	0.0	2.0	2.1	0.0	1.1
Murree	5.0	4.0	41.7	44	0.0	1.4	2.9	0.3	0.6
Muzaffarabad	7.7	6.5	65.7	72	0.0	0.7	2.1	0.0	0.0
Sh. Ben. Abad	14.9	13.5	117.2	66	1.3	1.7	1.9	3.7	5.7
Peshawar	7.2	6.5	73.5	79	0.0	1.9	3.7	0.0	0.0
Quetta	6.1	4.0	53.5	42	0.0	2.4	2.7	2.8	2.8
Rawalpindi	6.9	6.0	75.8	76	0.0	2.0	2.9	0.0	0.0
Rohri	15.4	14.5	113.1	64	0.0	1.3	2.3	1.7	4.0
Skardu	-3.8	-5.0	0.0	54	0.0	1.7	3.1	0.0	0.0
Tandojam	13.7	13.0	109.3	70	0.0	1.4	1.4	1.1	0.9
Usta.M	12.2	11.5	103.8	73	0.0	1.8	2.0	0.2	0.2
Zhob	6.9	6.5	69.5	32	0.0	2.6	2.1	1.7	2.9

*** Shows that data was not available.