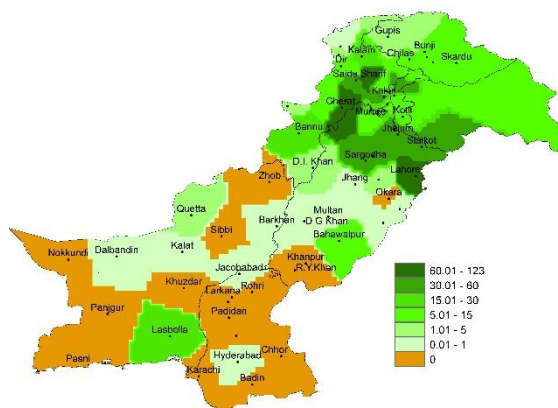


Weekly Weather and Crop Bulletin for Pakistan

**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 (09th October 2023 – 15th October 2023)

Highlights of Past Weather (09th October 2023 – 15th October 2023)

- Light to moderate rainfall (some heavy falls) was reported from the Punjab and KPK provinces.
- Light rain was reported from Gilgit-Baltistan and Kashmir.
- Light rain was reported from the scattered places of Baluchistan and Sindh (trace)
- Above-normal mean temperatures were observed in lower parts of the country whereas normal to below temperatures were observed in upper parts of country.

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

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

Editor: Dr. Tariq Mahmood (Meteorologist)

Past Weather of Provinces (02nd October 2023 – 08th October 2023)

Punjab

Light to moderate rainfall was reported from Punjab. Weekly maximum and minimum temperatures recorded as 32.5°C & 19.5°C respectively. For the recent week on average 146.9 growing degree days were accumulated. Average relative humidity recorded as 60% and wind speed in the morning/evening recorded as 1.5/2.4 Knots. The Lowest minimum temperature was recorded as 8.0°C at Bhakkar. Highest precipitation recorded as 122.01 mm from Lahore.

Baluchistan

Light rain was reported from the scattered places of Baluchistan province. Weekly maximum and minimum temperatures recorded as 33.4°C & 18.6°C respectively. For the recent week on average 147.1 growing degree days were accumulated. Average relative humidity recorded 46% and wind speed in the morning/evening recorded as 1.0/6.1 Knots. The lowest minimum temperature recorded as 7.0°C at Kalat. Highest precipitation recorded as 28.0 mm from Lasbela.

Khyber Pakhtunkhwa

Light to moderate rain reported from KPK. Weekly maximum and minimum temperatures recorded as 28.2 °C & 13.2°C respectively. For the recent week on average 109.8 growing degree days were accumulated. Average relative humidity recorded as 64% and wind speed in the morning/evening recorded as 1.4/1.8 Knots. During the previous week the Lowest minimum temperature recorded as 2.5°C at Kalam. The highest precipitation recorded as 93.0 mm from Risalpur.

Sindh

Trace was reported from few stations of Sindh province. Weekly maximum and minimum temperatures recorded as 36.6°C & 24.2°C respectively. For the recent week, on average 177.7 growing degree days were accumulated. Average relative humidity recorded as 60% and wind speed

in the morning/evening recorded as 3.6/4.7 Knots. During the previous week the Lowest minimum temperature recorded as 19.0°C at Moinjodaro. Highest precipitation recorded as 0.01 mm (Trace) from Hyderabad & Jacobabad.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light rain reported from Gilgit Baltistan and Kashmir. Weekly maximum and minimum temperatures recorded as 24.4°C & 10.6°C respectively. For the recent week on average 87.4 growing degree days were accumulated. Average relative humidity recorded as 65% and wind speed in the morning/evening recorded as 0.5/4.9 Knots. During the previous week the highest precipitation was recorded as 20.0 mm at Muzaffarabad while the highest maximum temperature recorded as 3.2°C at Skardu.

Past Weather for Major Agricultural Plains (09th October 2023 – 15th October 2023)

Rawalpindi (Potohar region)

Rainfall reported as 14.7 mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 1.7/2.9 Oktas while, average relative humidity observed as 70%. Mean minimum time temperature was recorded as 15.5°C and for the recent week 127.8 growing degree days were accumulated. Wind speed recorded in the morning/evening as 2.0/6.0 Knots. The Lowest minimum temperature was recorded as 13.5°C.

Faisalabad (Central Punjab)

Rainfall reported as 1.8 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded as 0.3/2.3 Oktas while, average relative humidity observed as 69%. Mean minimum time temperature recorded as 22.2°C & for the recent week 160.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.6/0.9 Knots. The lowest minimum temperature was recorded as 17.8°C.

Tandojam (Lower Sindh)

Dry weather reported from Tandojam during the week; however, clear sky has been observed, while average relative humidity observed as 68%. Mean minimum time temperature recorded as 23.2°C &

for the recent week 175.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.7/2.3 Knots. Lowest minimum temperature was recorded as 22.0°C.

Usta Muhammad (Eastern Baluchistan)

Dry weather reported from Usta Muhammad during the week; however, clear sky has been observed, average relative humidity observed as 66%. Mean minimum time temperature recorded as 21.9°C & for the recent week 166.3 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.8/2.2 Knots. The lowest minimum temperature was recorded as 19.0°C.

Quetta (Northern Baluchistan)

Dry weather reported from Quetta during the week; however, cloudiness in the morning/evening recorded as 1.1/1.9 Oktas while, average relative humidity observed as 24%. Mean minimum time temperature recorded as 12.0°C & for the recent week 103.0 growing degree days accumulated. Wind speed recorded in the morning/evening as 1.5/3.3 Knots. The lowest minimum temperature was recorded as 8.6°C.

Past Weather for Sub-Regional Agricultural Plains (09th October 2023 – 15th October 2023)

Multan

Dry weather reported from Multan during the week; however, cloudiness in the morning/evening recorded as 0.0/1.0 Oktas. Average relative humidity observed as 54%. Mean minimum time temperature recorded as 21.5°C & for the recent week 159.2 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.6/4.9Knots.

Lahore

Rainfall reported as 3.5 mm from Lahore during the week; however, cloudiness in the morning/evening recorded as 0.9/0.9 Oktas, average relative humidity observed as 59%. Mean minimum time temperature recorded as 19.5°C & for the recent week 143.5 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/1.7 Knots.

Zhob

Dry weather reported from Zhob during the week; however, cloudiness in the morning/evening recorded as 0.0/0.3 Oktas while, average relative humidity observed as 32%. Mean minimum time temperature recorded as 16.9°C & for the recent week 134.8 growing degree days accumulated.

Wind speed recorded in the morning/evening as 2.9/4.7 Knots.

Murree

Rainfall reported as 13.0 mm from Murree during the week; however, cloudiness in the morning/evening recorded as 1.1/2.4 Oktas while, average relative humidity observed as 62%. Mean minimum time temperature recorded as 10.9°C & for the recent week 73.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 2.0/0.6 Knots.

D.I. Khan

Rainfall reported as 3.0 mm from DI Khan during the week; however, cloudiness in the morning/evening recorded as 0.0/1.6 Oktas while while average relative humidity observed as 60%. Mean minimum time temperature recorded as 20.6°C & for the recent week 137.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/2.0 Knots.

Peshawar

Rainfall reported as 12.3 mm from Peshawar during the week; however, cloudiness in the morning/evening recorded as 1.1/3.3 Oktas while, average relative humidity observed as 68%. Mean minimum time temperature was recorded as 17.6°C & for the recent week 137.4 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/2.0 Knots.

Kalam

Rainfall reported as 16.0 mm from Kalam during the week; however, cloudiness in the morning/evening recorded as 0.7/4.1 Oktas while, average relative humidity observed as 64.4%. Mean minimum time temperature recorded as 3.4°C & for the recent week 49.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/2.0 Knots.

Gilgit

Rainfall reported as 4.8 mm from Gilgit during the week, cloudiness in the morning/evening recorded as 3.3/4.3 Oktas while, average relative humidity observed as 60%. Mean minimum time temperature recorded as 9.1°C & for the recent week 85.8 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.3/13.4 Knots.

Skardu

Rainfall weather reported as 5.4 mm from Skardu during the week; however, cloudiness in the morning/evening recorded as 3.4/2.4 Oktas while, average relative humidity observed as 64%. Mean minimum time temperature recorded as 5.8°C & for the recent week 49.9 growing degree days accumulated. Wind speed recorded in the morning/evening as 0.0/2.0 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)

Cotton crop is grown in the fields. Date of sowing 30-05-2023. Variety: FH490, BT, Stage: 1st picking is done. Irrigated, condition: very good

Lower Sindh (Tandojam)

Cotton crop is grown in the fields. Date of sowing 11-05-2023. Variety: TH108, Stage: 3rd picking is done. Irrigated.

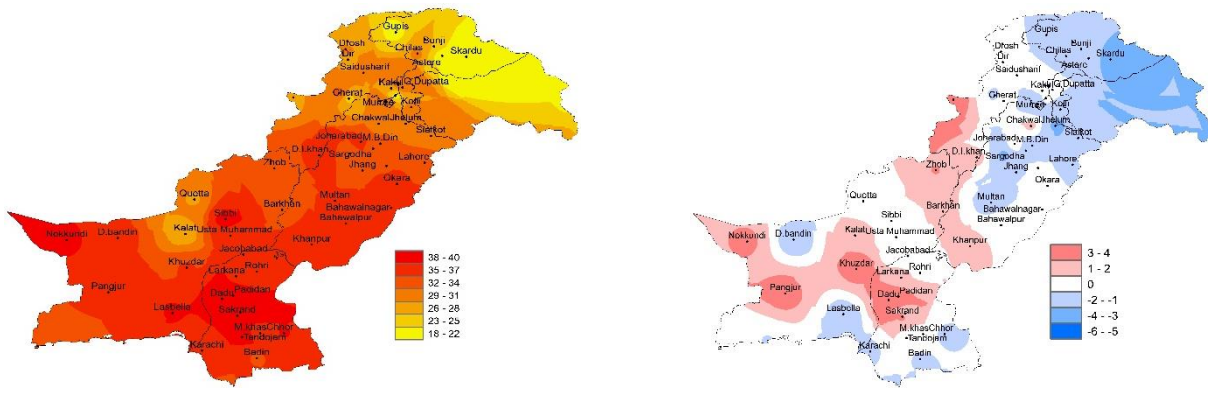
Northern Baluchistan (Quetta)

There is presently no crop grown in the fields of Quetta (Sariab).

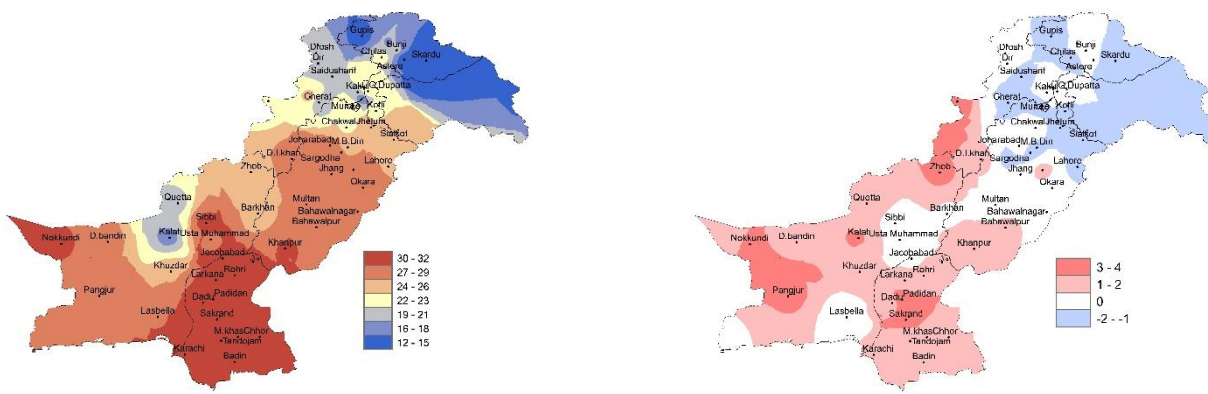
Eastern Baluchistan (Usta Muhammad)

Rice crops are grown in the fields. Stage: Milk Maturity, condition: good.

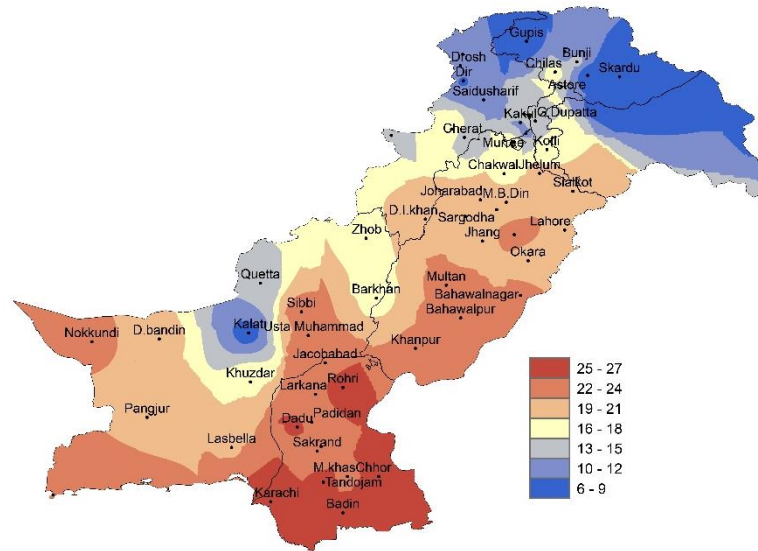
Actual & Departure of Maximum temperature (°C) for the Previous week (09th October 2023 – 15th October 2023)



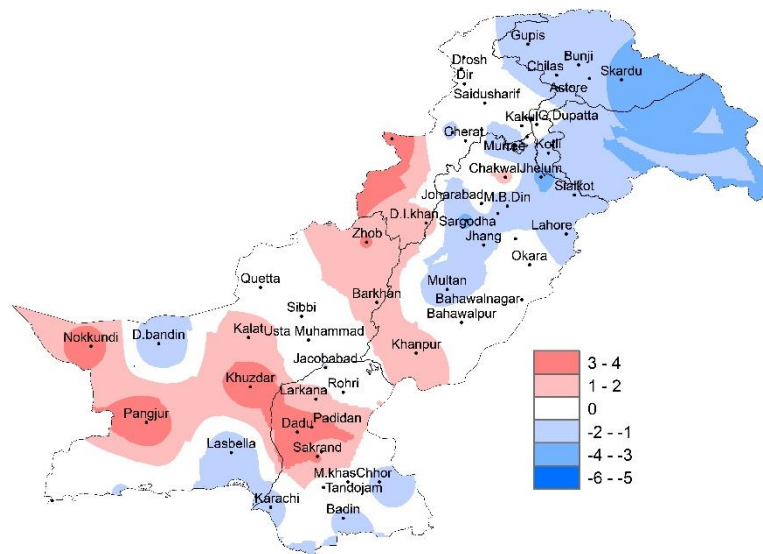
Actual & Departure of Mean temperature (°C) for the Previous week (09th October 2023 – 15th October 2023)



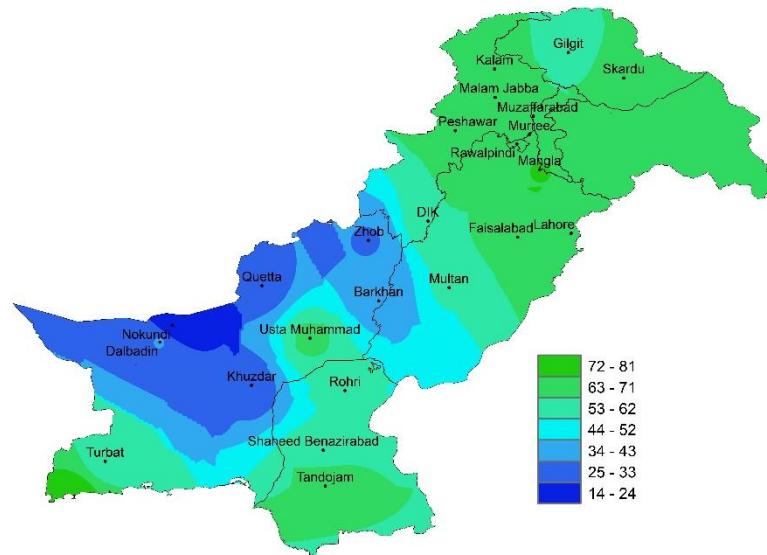
**Actual Minimum temperature (°C) during the
Previous week (09th October 2023 – 15th October 2023)**



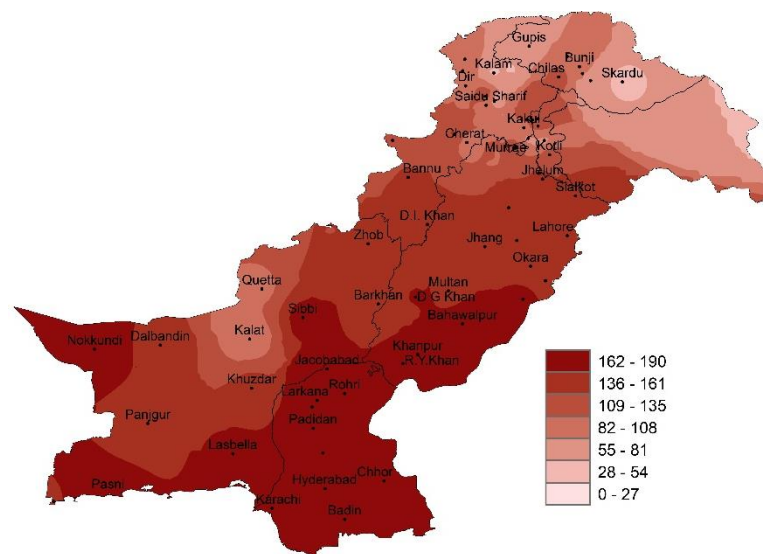
**Departure of Minimum temperature (°C) the
Previous week (09th October 2023 – 15th October 2023)**



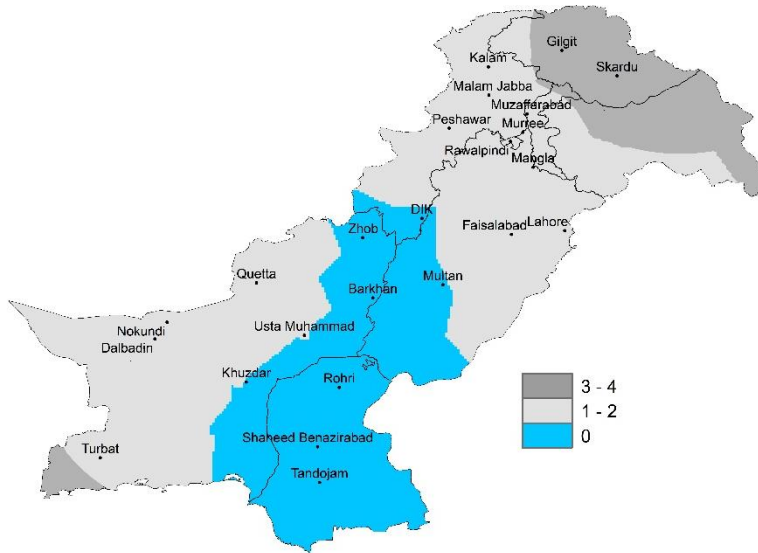
**Mean Relative Humidity (%) during the
Previous week (09th October 2023 – 15th October 2023)**



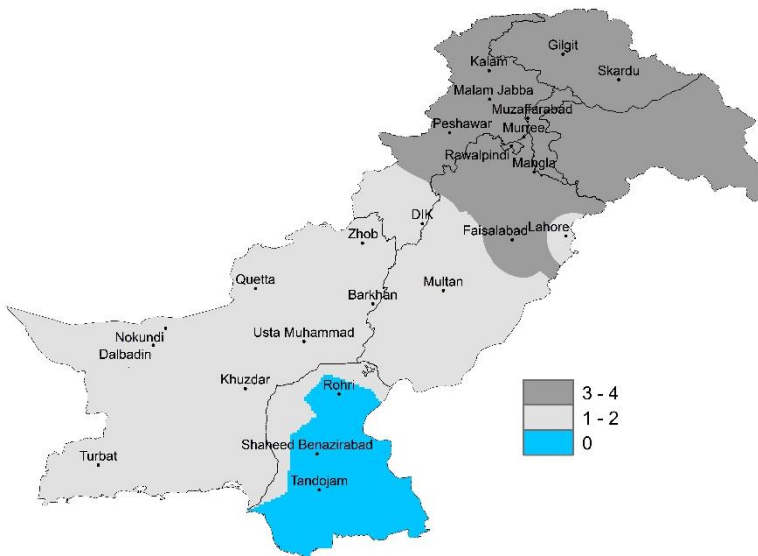
**Total Growing Degree Days accumulated during the
Previous week (09th October 2023 – 15th October 2023)**



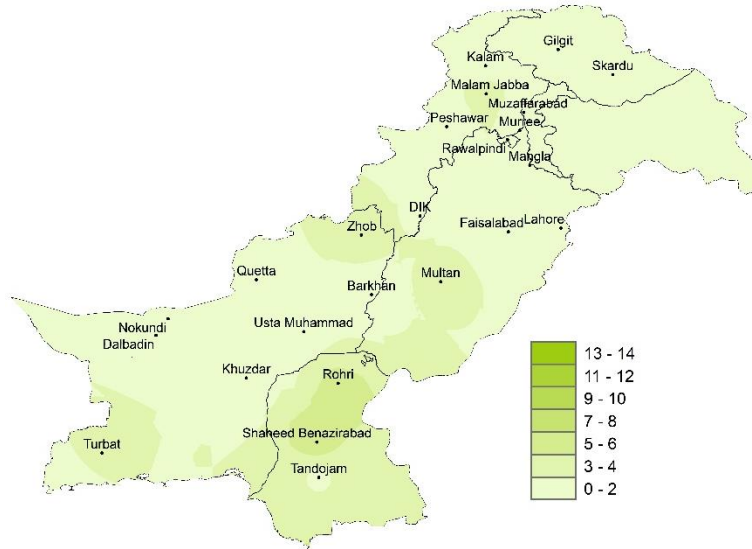
Mean Cloudiness (Octas) at 0800PST during the
Previous week (09th October 2023 – 15th October 2023)



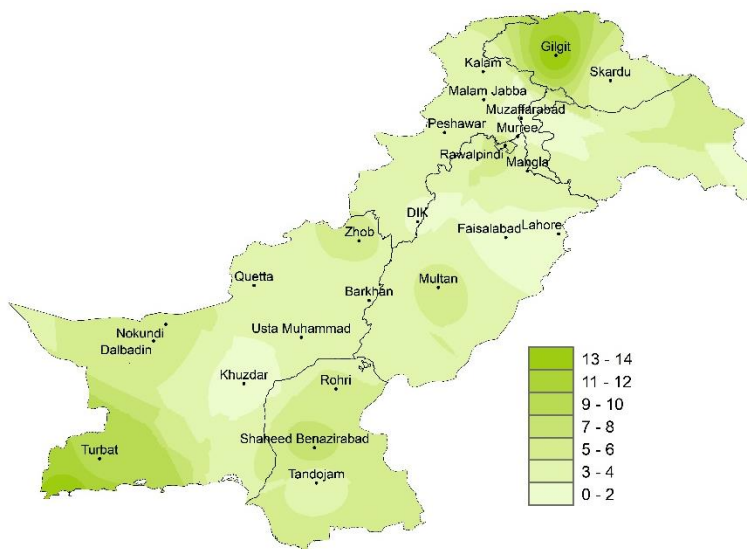
Mean Cloudiness (Octas) at 1700PST during the
Previous week (09th October 2023 – 15th October 2023)



**Mean Wind Speed (Knots) at 0800PST during the
Previous week (09th October 2023 – 15th October 2023)**

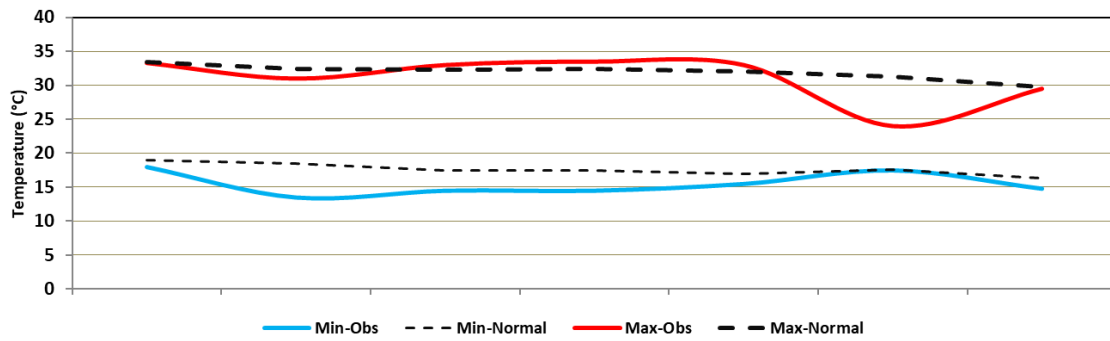


**Mean Wind Speed (Knots) at 1700PST during the
Previous week (09th October 2023 – 15th October 2023)**

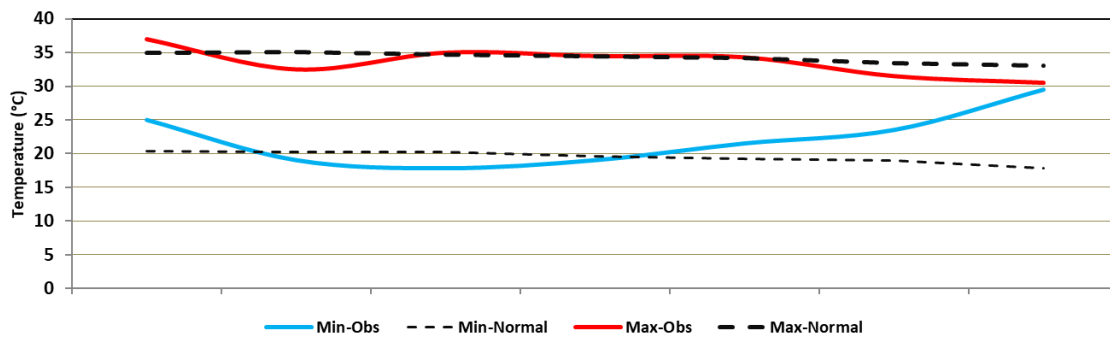


Comparison of temperatures for RAMCs (Minimum & Maximum with normal) during the previous week (09th October 2023 – 15th October 2023)

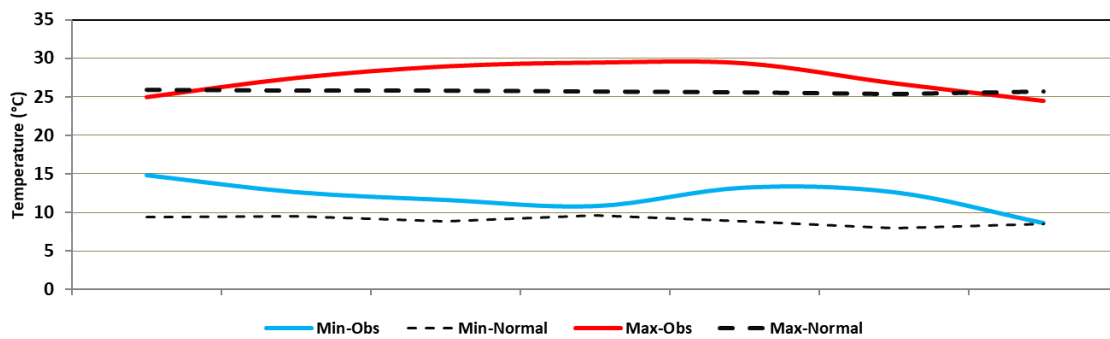
Rawalpindi (Min & Max Temperatures)



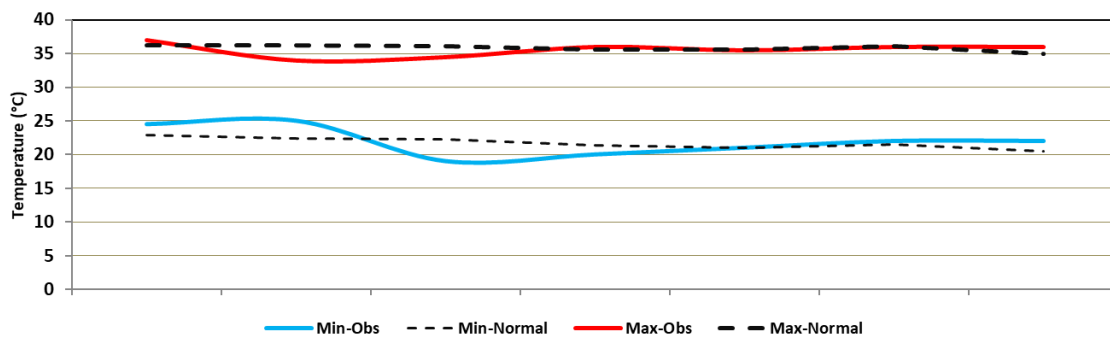
Faisalabad (Min & Max Temperatures)



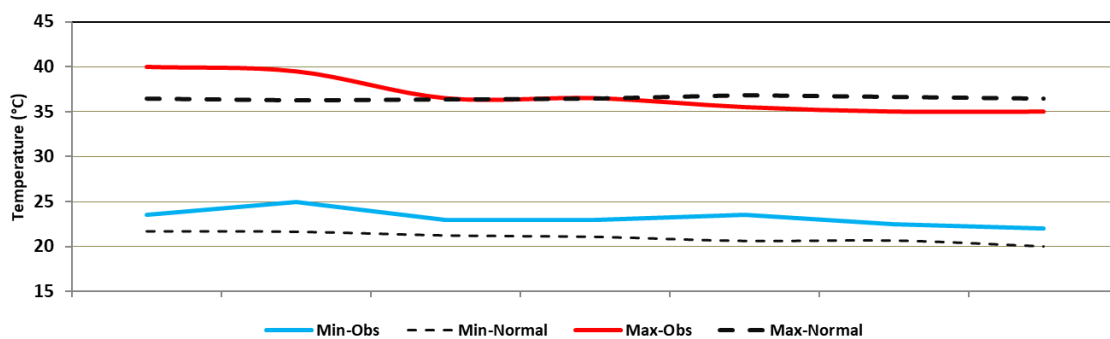
Quetta (Min & Max Temperatures)



Usta Muhammad (Min & Max Temperatures)



Tandojam (Min & Max Temperatures)



Weekly Weather Advisory for Farmers**ADVISORY FOR FARMERS****(16th October 2023 – 22nd October 2023)**

A westerly wave is affecting upper and central parts of the country and is likely to persist till Tuesday.

16-10-2023**MONDAY**

Rain-wind/thunderstorm is expected in Khyber Pakhtunkhwa, Islamabad, Punjab, upper Sindh, northeast/south Balochistan, Gilgit-Baltistan and Kashmir. While snow over high mountains and isolated hailstorm in plain areas. Meanwhile, heavy falls are also likely at isolated places.

TUESDAY**17-10-2023**

Partly cloudy weather in most upper parts with rain-wind/thunderstorm (with snow over high mountains) is expected in upper Khyber Pakhtunkhwa, Gilgit-Baltistan, Kashmir, Potohar region and northeast Punjab.

WEDNESDAY**18-10-2023**

Mainly dry weather is expected in most parts of the country, while cold in northern parts. However, rain wind-thunderstorms are expected in southern Punjab, central Balochistan and northwest Sindh.

THURSDAY**19-10-2023**

Mainly dry weather is expected in most parts of the country, while cold in northern parts. However, partly cloudy weather with light rain is likely in upper Khyber Pakhtunkhwa, Kashmir and adjoining areas.

FRIDAY**20-10-2023**

Mainly dry weather is expected in most parts of the country, while cold in northern parts.

SATURDAY**21-10-2023**

Mainly dry weather is expected in most parts of the country, while cold in northern parts. However, partly cloudy weather with rain-wind/thunderstorm is likely in Dir, Chitral and Swat.

SUNDAY**22-10-2023**

Mainly dry weather is expected in most parts of the country, while cold in northern parts. However, partly cloudy weather with rain-wind/thunderstorm is likely in Dir, Chitral and Swat.

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

National Weather Data of Selected Cities from (09th October 2023 – 15th October 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	20.6	19.0	158.3	60.1	3.0	0.0	1.6	1.7	1.7
Faisalabad	22.2	17.8	160.3	69.0	1.8	0.3	2.3	0.9	0.9
Gawadar	24.4	23.5	167.8	80.8	0.0	3.4	0.4	0.3	12.9
Gilgit	9.1	7.0	85.8	59.9	4.8	3.3	4.3	0.3	13.4
Kalam	3.4	2.5	49.8	64.4	16.0	0.7	4.1	0.0	2.0
Khuzdar	17.1	15.0	144.3	25.2	0.0	0.0	0.6	0.0	0.9
Lahore	19.5	16.7	143.5	65.0	122.0	0.9	1.9	0.0	1.7
Malam Jabba	7.7	6.0	59.5	62.1	74.0	1.1	2.4	3.4	3.1
Mangla	18.3	16.8	134.6	72.1	43.1	1.4	2.6	1.7	3.7
Multan (PBO)	21.5	19.7	159.2	53.8	0.0	0.0	1.0	2.6	4.9
Murree	10.9	8.0	73.8	61.6	13.0	1.1	2.4	2.0	0.6
Muzaffarabad	15.3	14.2	123.2	63.6	20.0	2.1	2.7	0.0	0.6
Sh. Ben. Abad	23.8	22.0	188.4	57.3	0.0	0.0	0.0	4.9	7.4
Peshawar	17.6	16.0	137.4	68.4	12.3	1.1	3.3	0.3	2.0
Quetta	12.0	8.6	103.0	24.3	0.0	1.1	1.9	1.5	3.3
Rawalpindi	15.5	13.5	127.8	70.0	14.7	1.7	2.9	2.0	6.0
Rohri	24.6	23.5	179.3	55.4	0.0	0.0	0.0	4.3	4.3
Skardu	5.8	3.2	49.9	64.4	5.4	3.4	2.4	0.0	2.0
Tandojam	23.2	22.0	175.3	68.0	0.0	0.0	0.0	1.7	2.3
Usta.M	21.9	19.0	166.3	65.5	0.0	0.0	0.0	0.8	2.2
Zhob	16.9	15.5	134.8	32.0	0.0	0.0	0.3	2.9	4.7

*** Shows that data was not available.