

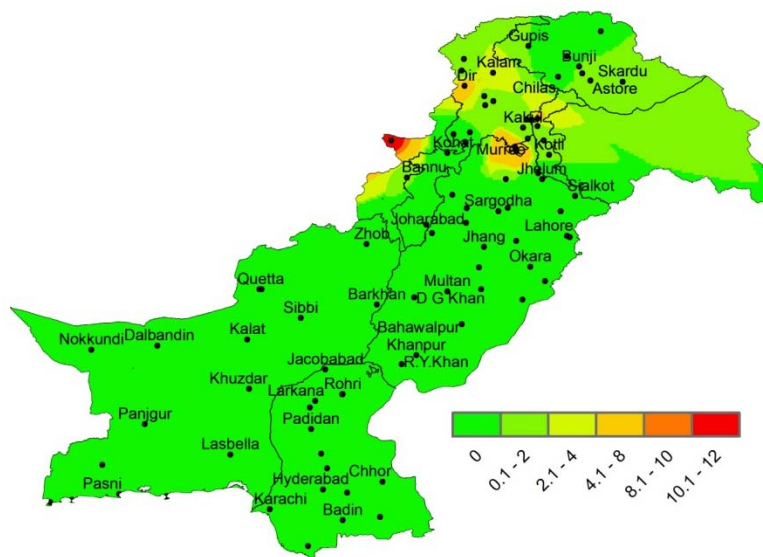
Weekly Weather and Crop Bulletin for Pakistan

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

Phone: +92-51-9250592

Email: dirnamc@yahoo.com

**Rainfall distribution (mm) during the
last week (from 21st to 27th October, 2013)**



Highlights of Past Weather (from 21st to 27th October, 2013)

Mainly dry weather reported at most parts of the country during the week. Province wise distribution of rainfall given as below:

- Light rainfall reported at few places in upper parts of Punjab.
- Light rainfall reported at most of the places in Khyber Pakhtunkhwa except Parachinar where light to moderate rainfall recorded.
- Light rainfall reported at few places in Gilgit-Baltistan and Kashmir regions.
- No rainfall reported from Balochistan.
- No rainfall reported from Sindh.

Contents

Highlights of past weather (General)	1-2
Past weather for Agri Plains	3-4
Crop progress	4
Min Temperature maps	5
R. H & GDD	6
Cloudiness maps	7
Wind speed maps	8
Farmers advisory	9
National data for selected stations	10-12

Patron -in-Chief: Arif Mahmood (Director General)
Chief Editor: Dr. Khalid Mehmood Malik (Director)
Editor: Tahir Mehmood (Assistant Meteorologist)

Punjab:

Light rainfall reported at few places in upper parts of Punjab Province during the week. Weekly maximum and minimum temperatures recorded as 32.0°C & 17.3°C respectively. For the present season average 132.9 growing degree days accumulated by the end of last week. Average relative humidity recorded as 64% and wind speed in the morning/evening recorded as 0.3/0.8 Knots. During the previous week highest amount of rainfall reported at Islamabad (A/P) as 8.0mm and lowest minimum temperature recorded as 9.0°C at Murree.

Sindh:

No rainfall reported from Sindh Province during the week. Weekly maximum and minimum temperatures recorded as 36.0°C & 20.5°C respectively. For the present season average 160.2 growing degree days accumulated by the end of last week. Average relative humidity recorded as 53% and wind speed in the morning/evening recorded as 0.5/2.6 Knots. During the previous week lowest minimum temperature recorded as 16.0°C at Mithi.

Khyber Pakhtunkhwa:

Light rainfall reported at most of the places in Khyber Pakhtunkhwa Province except Parachinar where light to moderate rainfall having amount 12.0mm recorded during the week. Weekly maximum and minimum temperatures recorded as 26.1°C & 11.6°C respectively. For the present season average 93.7 growing degree days accumulated by the end of last week. Average relative humidity recorded as 61% and wind speed in the morning/evening recorded as 0.7/1.7 Knots. During the previous week lowest minimum temperature recorded as 3.0°C at Kalam.

Balochistan:

No rainfall reported from Balochistan Province during the week. Weekly maximum and minimum temperatures recorded as 31.2°C & 14.6°C respectively. For the present season average 129.2 growing degree days accumulated by the end of last week. Average relative humidity recorded as 42% and wind speed in the morning/evening recorded as 1.0/4.4 Knots. During the previous week lowest minimum temperature recorded as 0°C at Kalat.

Gilgit Baltistan and Azad Jammu & Kashmir:

Light rainfall reported at few places in Gilgit-Baltistan and & Kashmir regions. Weekly maximum and minimum temperatures recorded as 25.6°C & 8.7°C respectively. For the present season average 84.8 growing degree days accumulated by the end of last week. Average relative humidity recorded as 52% and wind speed in the morning/evening recorded as 0.5/1.2 Knots. During the previous week highest amount of rainfall reported at Pattan as 7.0mm and lowest minimum temperature recorded as -1.6°C at Sakardu.

**Past Weather for Major Agricultural-
Plains (from 21st to 27th October, 2013)****Rawalpindi (Potohar region)**

Rainfall reported as 4.7mm during the week; however cloudiness in the morning/evening recorded as 1.2/0.8 Oktas while, average relative humidity observed as 66%. Mean night time temperature recorded as 14.0°C & for the present season 114.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.8/1.1 Knots.

Faisalabad (Central Punjab)

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 0.0/0.7 Oktas while, average relative humidity observed as 50%. Mean night time temperature recorded as 17.5°C & for the present season 142.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/0.3 Knots.

Tandojam (Lower Singh)

No rainfall and cloudiness reported during the week; however, average relative humidity observed as 55%. Mean night time temperature recorded as 19.0°C & for the present season 160.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.2/0.4 Knots.

Quetta (Northern Balochistan)

No rainfall and cloudiness reported during the week; however, average relative humidity observed as 27%. Mean night time temperature recorded as 3.8°C & for the present season 60.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.9/3.2 Knots.

Usta Muhammad (Eastern Balochistan)

No rainfall and cloudiness reported during the week; however, average relative humidity observed as 59%. Mean night time temperature recorded as 21.3°C & for the present season 163.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.1/0.1 Knots.

**Past Weather for Sub Regional Agricultural-
Plains (from 21st to 27th October, 2013)****Rohri**

No rainfall and cloudiness reported during the week; however, average relative humidity observed as 49%. Mean night time temperature recorded as 21.6°C. Wind speed recorded in the morning/evening as 0.0/2.9 Knots.

Multan

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 0.0/0.3 Oktas while average relative humidity observed as 51%. Mean night time temperature recorded as 16.6°C & for the present season 154.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/1.4 Knots.

Lahore

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 0.0/0.2 Oktas while average relative humidity observed as 66%. Mean night time temperature recorded as 17.6°C & for the present season 139.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.4/2.3 Knots.

Zhob

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 0.0/0.3 Oktas while average relative humidity observed as 21%. Mean night time temperature recorded as 17.2°C & for the present season 106.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/6.1 Knots.

D.I. Khan

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 0.4/0.0 Oktas while average relative humidity observed as 67%. Mean night time temperature recorded as 16.0°C & for the present season 135.9 growing degree days accumulated by the end of last week.

Peshawar

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 0.4/1.6 Oktas while average relative humidity observed as 85%. Mean night time temperature recorded as 17.1°C & for the present season 127.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.4 Knots.

Murree

Rainfall reported as 1.0mm during the week; however cloudiness in the morning/evening recorded as 1.3/0.4 Oktas while average relative humidity observed as 65%. Mean night time temperature recorded as 14.9°C & for the present season 70.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.3 Knots.

Kalam

Rainfall reported as 4.0mm during the week; however cloudiness in the morning/evening recorded as 1.0/3.9 Oktas while average relative humidity observed as 60%. Mean night time temperature recorded as 9.3°C & for the present season 68.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.9 Knots.

Gilgit

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 2.1/4.1 Oktas while average relative humidity observed as 62%. Mean night time temperature recorded as 13.7°C & for the present season 73.4 growing degree days accumulated by the end of last week.

Skardu

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 2.1/4.7 Oktas while average relative humidity observed as 47%. Mean night time temperature recorded as 14.4°C & for the present season 39.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.2 Knots.

Crop Situation for Major Agricultural Plains
(Based on data from Regional Agromet Centres)

Potohar Region (Rawalpindi)

There is only one crop (rainfed conditions) grown in the fields as detailed below.

Maize (Agati 2002): Good condition at *Flowering* stage.

Central Punjab (Faisalabad)

There are two crops (irrigated conditions) grown in the fields as detailed below.

Sugarcane: Very Good condition, *Tillering* stage completed.

Cotton: Normal condition at *First Picking* stage.

Lower Sindh (Tandojam)

There is presently no crop in the fields as land is preparing for new crops.

Northern Balochistan (Quetta)

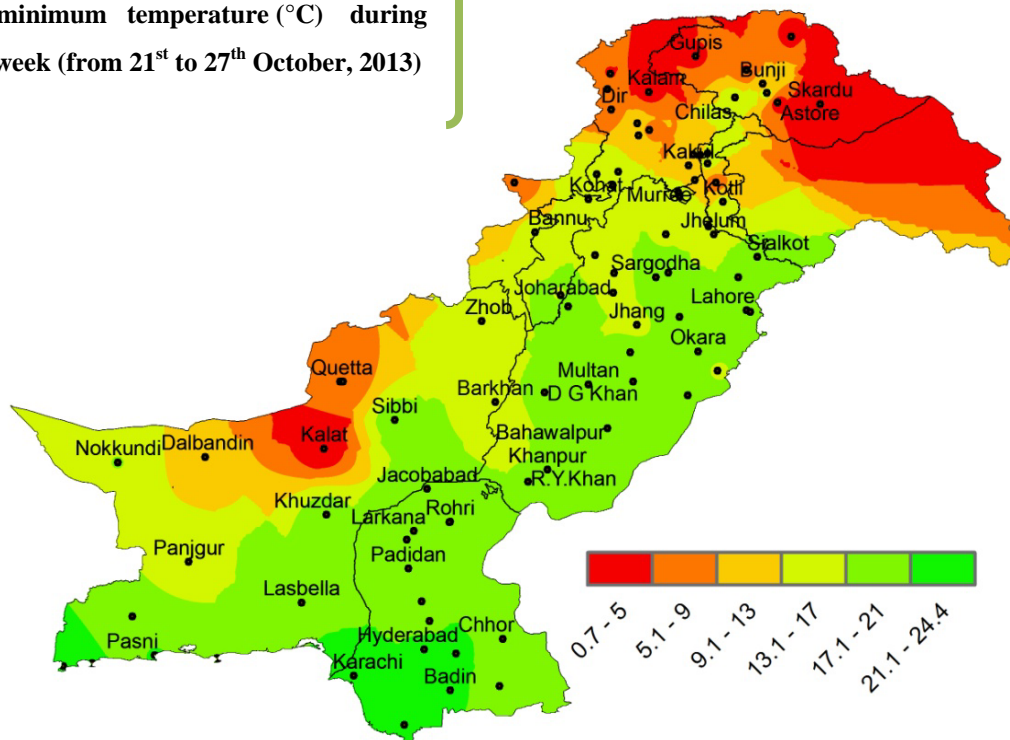
There is presently no crop in the fields.

Eastern Balochistan (Usta Muhammad)

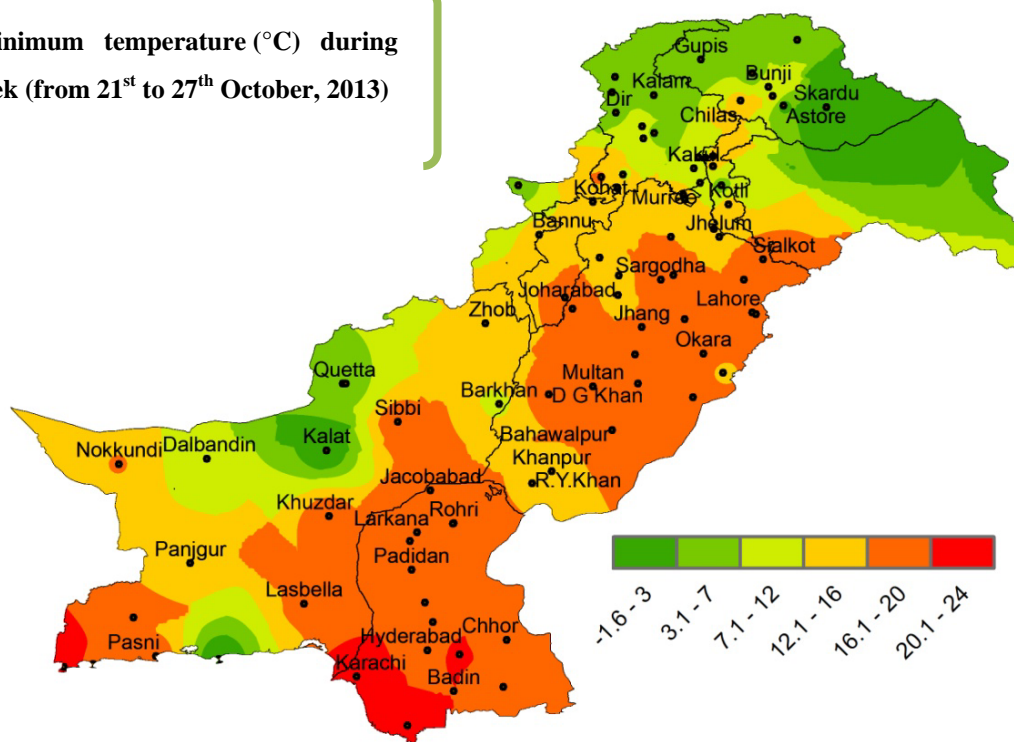
There is only one crop (irrigated conditions) grown in the fields as detailed below.

Rice: Good condition at *Harvesting* stage.

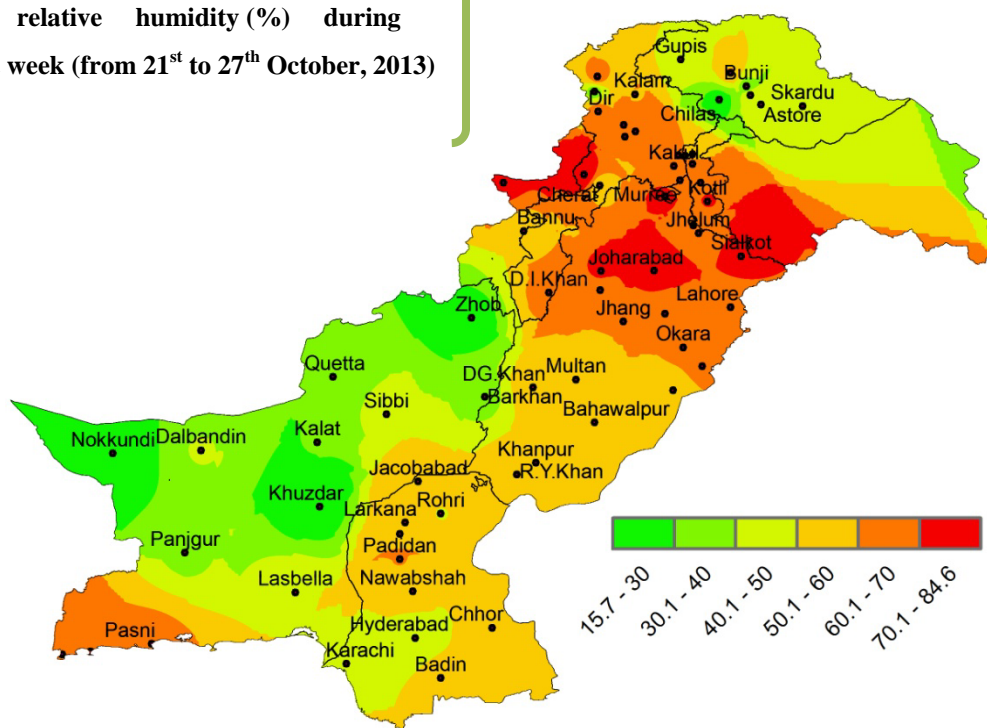
Mean minimum temperature (°C) during the last week (from 21st to 27th October, 2013)



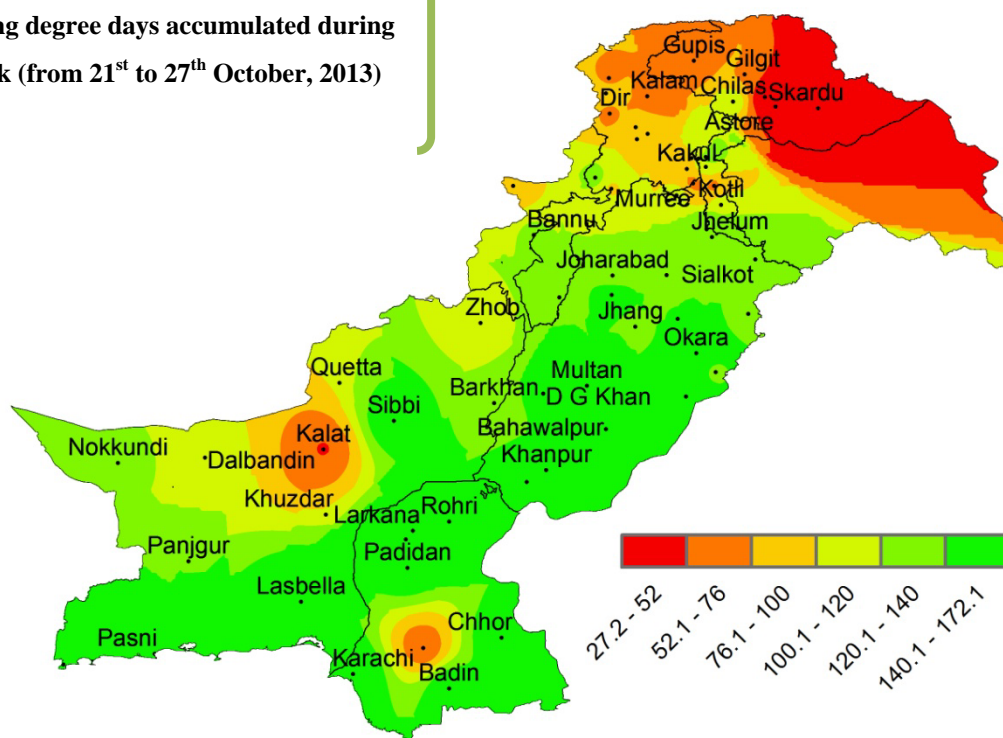
Lowest minimum temperature (°C) during the last week (from 21st to 27th October, 2013)



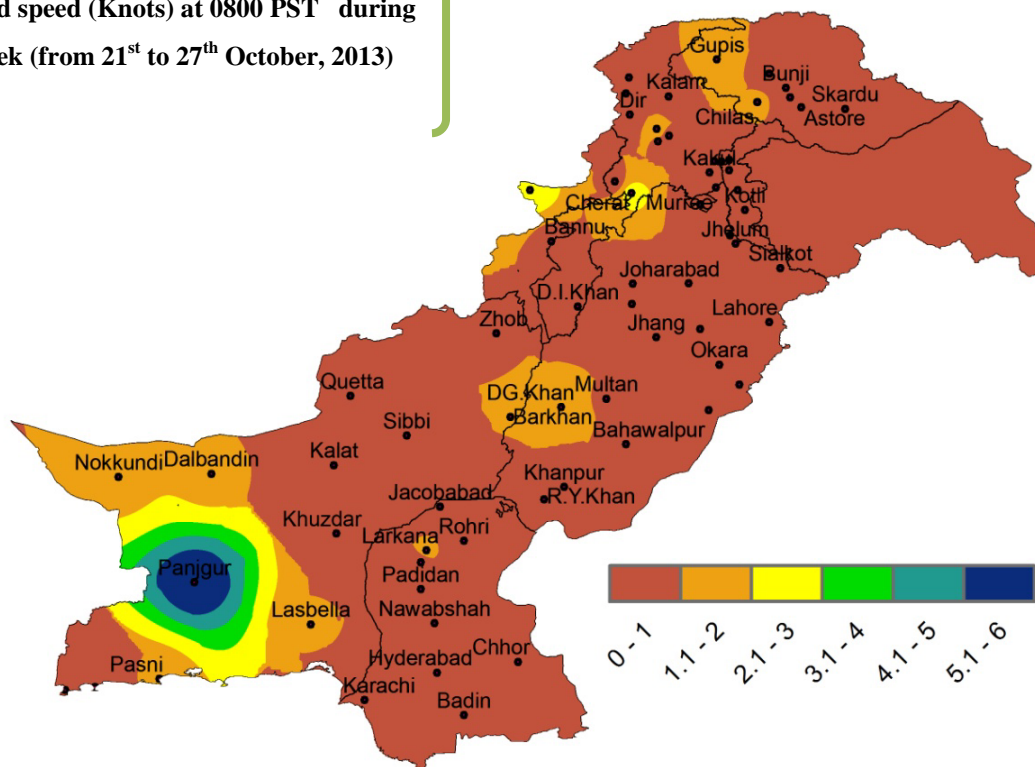
Mean relative humidity (%) during
the last week (from 21st to 27th October, 2013)



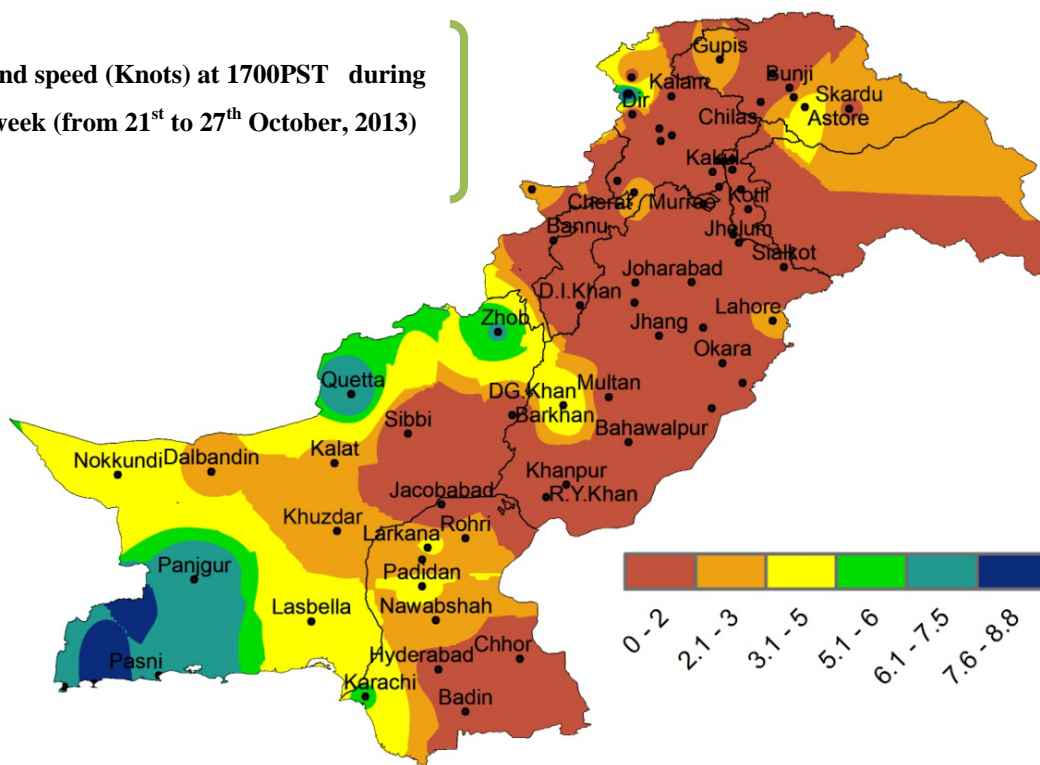
Total growing degree days accumulated during
the last week (from 21st to 27th October, 2013)



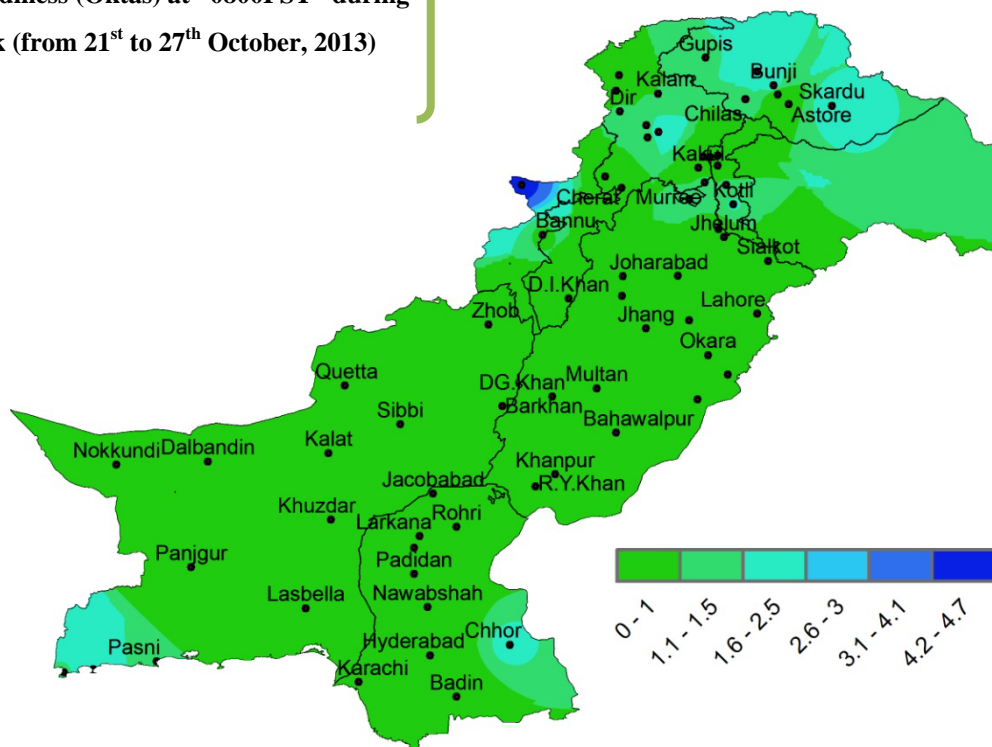
Mean wind speed (Knots) at 0800 PST during the last week (from 21st to 27th October, 2013)



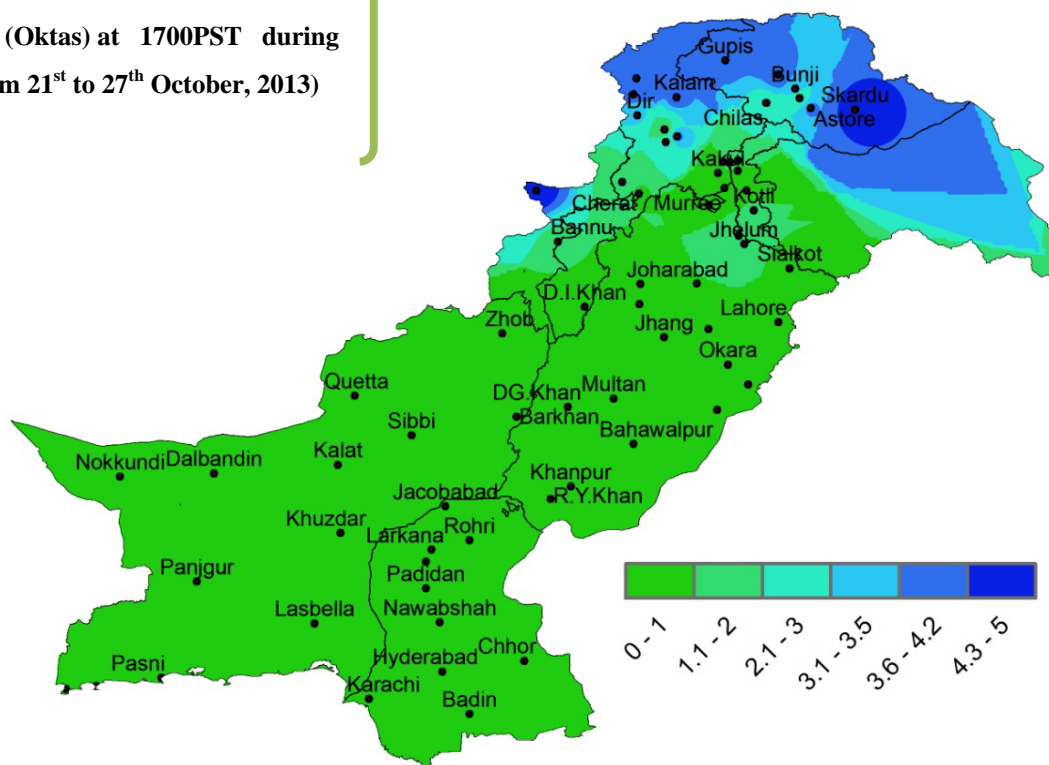
Mean wind speed (Knots) at 1700 PST during the last week (from 21st to 27th October, 2013)



Mean Cloudiness (Oktas) at 0800PST during
the last week (from 21st to 27th October, 2013)



Mean Cloudiness (Oktas) at 1700PST during
the last week (from 21st to 27th October, 2013)



Weekly Weather advisory for Farmers
(From 28th October to 3rd November, 2013)

Continental air would prevail over most parts of the country during the week. A Shallow westerly wave is likely to affect northern parts and its adjoining areas of the country on Tuesday/Wednesday.

Punjab including Islamabad:

Mainly dry weather is expected in most parts of the province during the week. However, rain-thunderstorm is expected at isolated places in Islamabad/Rawalpindi division on Tuesday (night) to Thursday.

Khyber Pakhtunkhwa:

Mainly dry weather is expected in most parts of the province during the week. However, rain-thunderstorm is expected at isolated places in Malakand, Hazara, Peshawar divisions on Monday (night) to Wednesday.

Balochistan:

Mainly dry weather is expected in most parts of the province during the week.

Sindh:

Mainly dry weather is expected in most parts of the province during the week.

Gilgit -Baltistan:

Partly cloudy to cloudy weather conditions with chances of light rain is expected at isolated places in Gilgit-Baltistan during Monday to Thursday.

Kashmir: Mainly dry weather is expected in Kashmir during the week. However, rain-thunderstorm is expected at isolated places in Kashmir on Tuesday/Wednesday.

Advises for Crops:

Sugarcane/Cotton: Farmers are advised to manage irrigation practices as per weather prediction during the week.

Wheat: Farmers of rainfed areas are advised to sow their Rabi crops during the period 15th October to 15th November. After this time the yield of wheat crop decreases gradually. Farmers of cotton crop areas are advised to prepare their field for incoming Rabi crops and complete sowing process before 15th December. After this time the yield of wheat crop decreases gradually. Farmers of wheat growing areas are advised to sow their crops in time to get the optimum yield. The best suitable time for wheat cultivation is 1st November to 20th November.

Vegetables. Farmers are advised to cultivate winter vegetables in time so that present soil moisture may fully be utilized.

General Information: Farmers of rained areas, obtaining crop water through tube wells are advised to schedule the irrigation according to the expected weather mentioned above during the week. It is advised to ensure field sanitation and spray prophylactic fungicidal sprays to prevent spread of diseases on vegetables. Farmers should also free the crops from excess of weeds after recent rains especially in the upper half of the country.

National Weather Data of Selected Cities
(Weekly Data from 21st to 27th October, 2013)

Stations	Minimum/Day Temperature (°C)		Growing Deg. Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Oktas) 0800PST	Cloudiness (Oktas) 1700PST	Wind Speed (Knots) 0800PST	Wind Speed (Knots) 1700PST
	Mean	Lowest							
ASTORE	2.0	1.0	38.9	42	0.2	1.0	3.7	0.3	4.0
BADIN	21.8	20.0	165.3	53	0.0	0.3	0.0	0.6	1.7
BAHAWALPUR	19.6	17.5	150.8	57	0.0	0.0	0.0	0.6	0.3
BALAKOT	9.4	7.6	94.1	64	0.1	1.0	0.6	0.7	0.3
BANNU	13.0	9.4	123.8	51	0.0	0.9	1.6	0.6	0.0
BARKHAN	13.2	11.5	121.3	35	0.0	0.0	0.3	1.0	0.9
BUNJI	8.9	2.0	94.0	32	0.0	2.1	3.3	0.6	1.1
CHERAT	14.0	13.0	97.8	50	0.0	0.9	0.9	2.6	2.6
CHHOR	21.8	16.5	161.9	54	0.0	1.7	0.0	0.0	1.7
CHILAS	11.0	9.5	118.9	23	0.0	1.1	2.4	1.4	2.0
CHITRAL	14.4	3.8	67.2	69	1.0	0.7	4.1	0.0	1.1
D.I.KHAN	16.6	16.0	135.9	67	0.0	0.4	0.0	0.0	0.0
DALBANDIN	9.6	7.5	116.3	41	0.0	0.0	0.0	1.3	2.6
D.G.KHAN	16.6	12.4	150.3	59	0.0	0.0	0.0	1.7	4.7
DIR	16.6	5.0	70.0	70	6.0	1.1	3.1	0.0	0.9
DROSH	12.6	4.8	101.5	31	0.0	0.4	3.6	0.0	8.9
FAISALABAD	17.5	17.0	142.4	50	0.0	0.0	0.0	0.5	0.3
GAWADAR	21.0	19.0	159.5	66	0.0	2.1	0.4	0.0	8.6
GILGIT	13.7	3.5	73.4	62	0.0	2.1	4.1	0.0	0.0
GUPIS	4.5	3.5	53.8	43	0.0	1.4	3.7	2.0	2.6
HYDERABAD	19.0	18.5	***	45	0.0	0.0	0.0	0.9	1.4
ISLAMABAD	15.5	12.5	115.0	73	6.0	1.1	0.8	0.0	0.0
JACOBABAD	22.3	19.5	158.5	59	0.0	0.0	0.0	0.0	0.0
JHANG	16.2	13.4	138.0	60	0.0	0.0	0.0	0.6	0.0
JHELUM	16.3	16.1	136.0	69	0.0	0.7	1.5	0.0	1.3

JIWANI	24.4	24.0	165.4	68	0.0	1.4	0.4	0.3	6.3
JOHARABAD	16.7	15.5	134.0	72	0.0	0.3	0.3	0.0	0.3
KAKUL	8.5	7.1	80.2	65	0.2	0.4	0.4	0.0	1.1
KALAM	9.3	3.0	68.6	60	4.0	1.0	3.9	0.0	0.9
KALAT	1.9	0.0	51.0	31	0.0	0.0	0.0	0.0	2.3
KARACHI (A/P)	21.5	20.0	172.1	50	0.0	0.6	0.7	0.3	5.1
KHANPUR	16.5	15.3	148.0	60	0.0	0.0	0.0	0.3	0.0
KHUZDAR	19.3	18.5	***	18	0.0	0.0	0.0	0.3	2.3
KOTLI	13.6	10.0	116.1	70	0.0	1.6	1.3	0.9	0.3
LAHORE (A/P)	17.6	16.9	139.5	66	0.0	0.0	0.2	0.4	2.3
LARKANA	22.7	19.0	159.2	60	0.0	0.0	0.0	1.4	3.3
LASBELA	17.0	16.2	165.5	49	0.0	0.9	0.0	1.1	3.7
LOWER DIR	16.6	11.5	86.0	62	0.0	1.3	1.1	1.7	2.0
M.BAHU-DIN	18.2	17.0	136.0	77	0.0	0.6	1.0	0.3	0.0
MALAM JABBA	16.3	3.0	75.9	61	0.0	2.0	3.9	0.6	0.0
MANGLA	20.3	14.4	126.0	65	0.0	0.7	1.3	0.0	0.0
MIRKHANI	14.0	6.9	87.8	48	0.0	0.0	2.3	0.0	2.7
MOIN-JO-DARO	18.1	17.5	152.8	59	0.0	0.0	0.0	0.3	2.3
MULTAN	16.6	15.0	154.2	51	0.0	0.0	0.3	0.9	1.4
MURREE	14.9	9.0	70.0	65	1.0	1.3	0.4	0.3	0.3
NAWABSHAH	18.0	17.5	165.4	52	0.0	0.0	0.0	0.3	2.6
NOKKUNDI	17.0	16.1	125.6	16	0.0	0.0	0.0	1.4	3.4
NOORPUR THAL	15.5	10.2	146.0	65	0.0	0.0	0.0	0.0	0.3
OKARA	16.3	17.9	147.0	63	0.0	0.0	0.2	0.3	0.0
PADIDAN	19.8	19.0	160.1	60	0.0	0.0	0.0	0.9	3.4
PANJGUR	15.4	15.0	***	37	0.0	0.0	0.0	6.0	7.4
PARACHINAR	5.5	4.7	78.0	75	12.0	4.7	5.0	3.0	3.0
PASNI	21.2	18.0	***	65	0.0	1.0	0.0	1.3	7.1
PATTAN	13.5	4.6	125.8	55	7.0	0.4	1.7	0.0	0.0
PESHAWAR	17.1	14.0	127.3	85	0.0	0.4	1.6	0.3	1.4

QUETTA	3.8	2.0	60.6	27	0.0	0.0	0.0	1.9	3.2
R. YAR KHAN	18.6	15.4	153.0	55	0.0	0.0	0.0	0.0	0.3
RAWALPINDI	14.0	12.5	115.0	66	4.7	1.2	0.8	0.8	1.1
RAWALAKOT	12.1	5.0	72.2	70	0.1	1.1	0.5	0.6	1.0
ROHRI	21.6	20.5	***	49	0.0	0.0	0.0	0.0	2.9
SAHIWAL	16.7	15.5	139.0	64	0.0	0.0	0.0	0.0	0.7
SAIDU SHARIF	14.2	11.0	96.6	63	2.0	1.1	2.3	0.9	0.0
SIBBI	19.0	6.7	161.4	72	0.0	0.0	0.0	0.0	0.0
SKARDU	14.4	-1.6	39.6	47	0.0	2.1	4.7	0.0	1.2
TANDOJAM	19.0	18.0	160.8	55	0.0	0.0	0.0	0.2	0.4
U.MUHAMMAD	21.3	20.5	163.5	59	0.0	0.0	0.0	0.1	0.1
ZHOB	17.2	12.0	106.1	21	0.0	0.0	0.3	0.7	6.1

*** Shows that data was not available.