

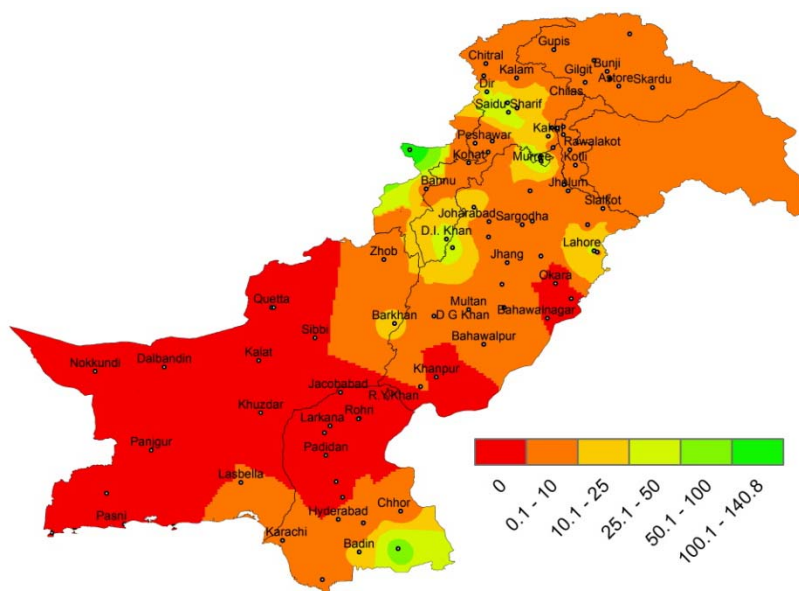
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall distribution (mm) during the
last week (from 7th to 13th October, 2013)**



Highlights of Past Weather (from 7th to 13th October, 2013)

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

- Light to moderate rainfall reported from upper & central parts of the Punjab Province.
- Light to moderate rainfall reported at most of the places in the Khyber Pakhtunkhwa Province except “Parachinar” where isolated heavy spell of rainfall having amount 73mm reported.
- Light to moderate rainfall reported at most of the places in the Gilgit Baltistan & Kashmir regions.
- Light to moderate rainfall reported at a single place i.e “Barkhan” in the Balochistan Province.
- Light to moderate rainfall reported at few places in the Sindh Province.

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

Punjab:

Light to moderate rainfall reported from upper & central parts of the Punjab Province during the week. Weekly maximum and minimum temperatures recorded as 34.8°C & 23.3°C respectively. For the present season average 168.5 growing degree days accumulated by the end of last week. Average relative humidity recorded as 69% and wind speed in the morning/evening recorded as 0.7/1.7 Knots. During the previous week highest amount of rainfall reported at Lahore (Airport) as 37.3mm and extreme maximum temperature recorded as 40.4°C at Rahim Yar Khan.

Sindh:

Light to moderate rainfall reported at few places in the Sindh Province during the week. Weekly maximum and minimum temperatures recorded as 37.0°C & 25.4°C respectively. For the present season average 184.8 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 2.8/3.4 Knots. During the previous week highest amount of rainfall reported at Mithi as 60.0mm and extreme maximum temperature recorded as 40.2°C at Chhor.

Khyber Pakhtunkhwa:

Light to moderate rainfall reported at most of the places in the Khyber Pakhtunkhwa Province except “Parachinar” where isolated heavy spell of rainfall having amount 73mm reported during the week. Weekly maximum and minimum temperatures recorded as 30.2°C & 18.2°C respectively. For the present season average 132.9 growing degree days accumulated by the end of last week. Average relative humidity recorded as 65% and wind speed in the morning/evening recorded as 0.6/2.2 Knots.

During the previous week highest amount of rainfall reported at Parachinar as 141.0mm and extreme maximum temperature recorded as 37.4°C at Bannu.

Balochistan:

Light to moderate rainfall reported at a single place i.e “Barkhan” in the Balochistan Province during the week. Weekly maximum and minimum temperatures recorded as 34.6°C & 19.0°C respectively. For the present season average 153.5 growing degree days accumulated by the end of last week. Average relative humidity recorded as 47% and wind speed in the morning/evening recorded as 1.4/4.4 Knots. During the previous week highest amount of rainfall reported at Barkhan as 12.0mm and extreme maximum temperature recorded as 41.0°C at Lasbella.

Gilgit Baltistan and Azad Jammu & Kashmir:

Light to moderate rainfall reported at most of the places in the Gilgit Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded as 30.6°C & 14.9°C respectively. For the present season average 124.9 growing degree days accumulated by the end of last week. Average relative humidity recorded as 54% and wind speed in the morning/evening recorded as 0.4/1.8 Knots. During the previous week highest amount of rainfall reported at Pattan as 6.0mm and extreme maximum temperature recorded as 36.5°C at Pattan.

**Past Weather for Major Agricultural-
Plains (from 7th to 13th October, 2013)****Rawalpindi (Potohar region)**

Rainfall reported as 50.0mm during the week; however cloudiness in the morning/evening recorded as 3.0/0.7 Oktas while, average relative humidity observed as 70%. Mean day time temperature recorded as 31.7°C & for the present season 150.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/0.8 Knots.

Faisalabad (Central Punjab)

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 1.7/3.9 Oktas while, average relative humidity observed as 58%. Mean day time temperature recorded as 35.7°C & for the present season 173.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.0/0.4 Knots.

Tandojam (Lower Singh)

No rainfall & cloudiness reported during the week; while average relative humidity observed as 72%. Mean day time temperature recorded as 36.0°C & for the present season 175.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.6 Knots.

Quetta (Northern Balochistan)

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 0.0/0.4 Oktas while, average relative humidity observed as 29%. Mean day time temperature recorded as 29.8°C & for the present season 97.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.2/3.8 Knots.

Usta Muhammad (Eastern Balochistan)

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 0.0/0.4 Oktas while, average relative humidity observed as 62%. Mean day time temperature recorded as 37.0°C & for the present season 182.5 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 7th to 13th October, 2013)****Rohri**

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 59%. Mean day time temperature recorded as 36.9°C & for the present season 191.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/3.0 Knots.

Multan

Rainfall reported as 5.0mm during the week; however cloudiness in the morning/evening recorded as 1.2/0.6 Oktas while average relative humidity observed as 60%. Mean day time temperature recorded as 35.3°C & for the present season 182.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.7/4.9 Knots.

Lahore

Rainfall reported as 1.2mm during the week; however cloudiness in the morning/evening recorded as 2.0/5.3 Oktas while average relative humidity observed as 73%. Mean day time temperature recorded as 32.9°C & for the present season 164.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/2.3 Knots.

Zhob

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 0.3/0.8 Oktas while average relative humidity observed as 40%. Mean day time temperature recorded as 31.5°C & for the present season 143.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/5.0 Knots.

D.I. Khan

Rainfall reported as 26.1mm during the week; however cloudiness in the morning/evening recorded as 1.0/0.0 Oktas while average relative humidity observed as 66%. Mean day time temperature recorded as 35.4°C & for the present season 167.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.0 Knots.

Peshawar

Rainfall reported as 3.0mm during the week; however cloudiness in the morning/evening recorded as 1.6/2.4 Oktas while average relative humidity observed as 70%. Mean day time temperature recorded as 33.4°C & for the present season 164.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/1.0 Knots.

Murree

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded as 4.7/3.6 Oktas while average relative humidity observed as 78%. Mean day time temperature recorded as 20.8°C & for the present season 89.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/1.3 Knots.

Kalam

Rainfall reported as 2.0mm during the week; however cloudiness in the morning/evening recorded as 2.1/2.4 Oktas while average relative humidity observed as 69%. Mean day time temperature recorded as 22.3°C & for the present season 104.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.6 Knots.

Gilgit

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded as 1.0/2.9 Oktas while average relative humidity observed as 61%. Mean day time temperature recorded as 31.5°C & for the present season 113.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.6 Knots.

Skardu

Rainfall reported as 1.0mm during the week; however cloudiness in the morning/evening recorded as 2.9/3.1 Oktas while average relative humidity observed as 41%. Mean day time temperature recorded as 27.7°C & for the present season 93.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.7 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 *Tasseling* 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 *Picking* stage.

Lower Sindh (Tandojam)

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

Cotton (BT-3701): Normal condition at *Maturity* stage.

Northern Balochistan (Quetta)

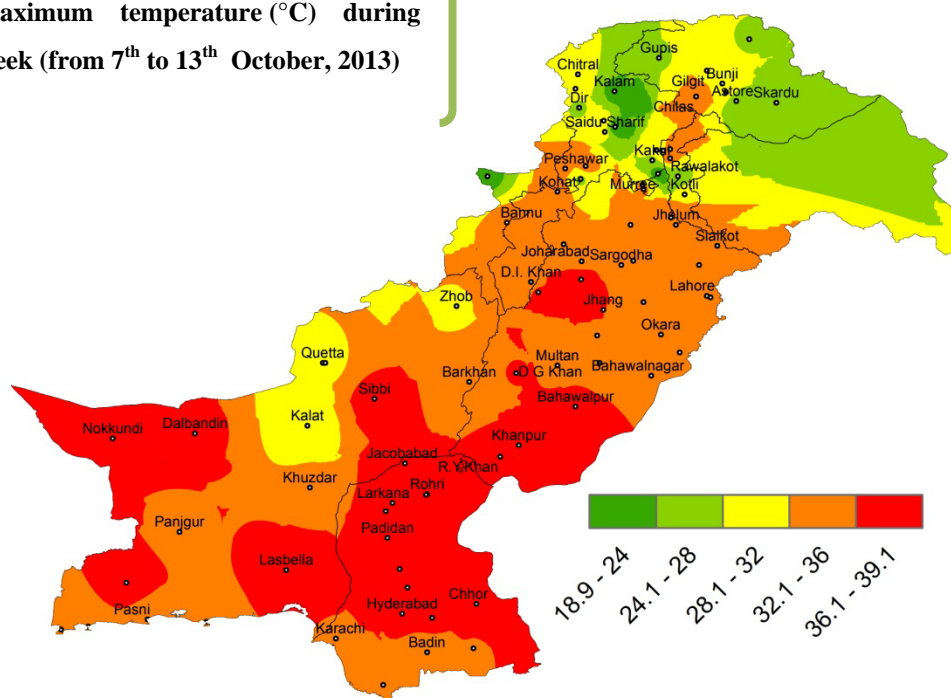
There is presently no crop in the fields.

Eastern Balochistan (Usta Muhammad)

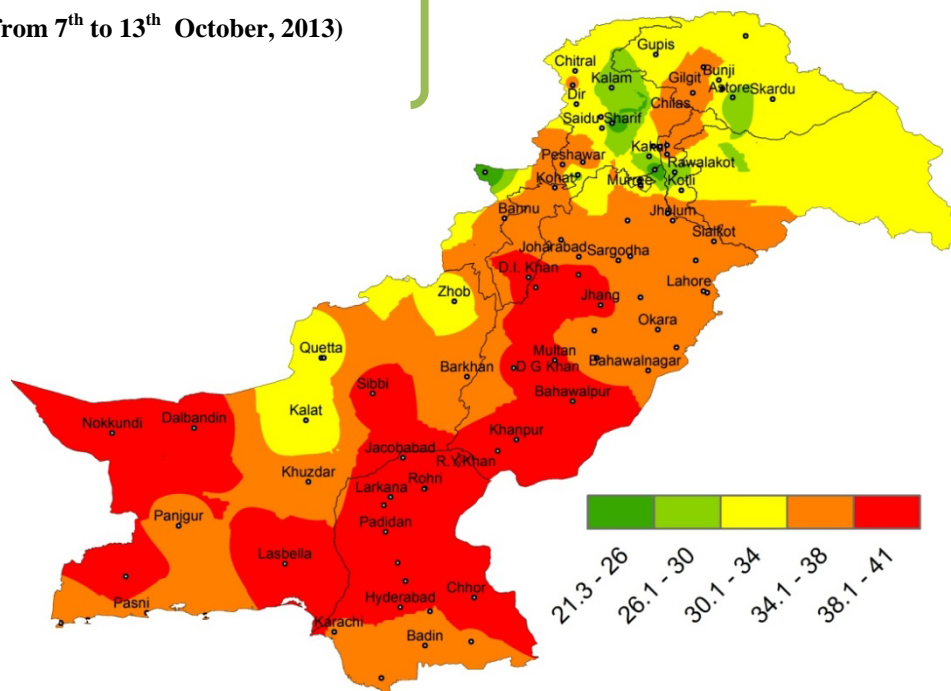
There is only one crop (irrigated conditions) grown in the fields as detailed below.

Rice: Good condition at *Wax Maturity* stage.

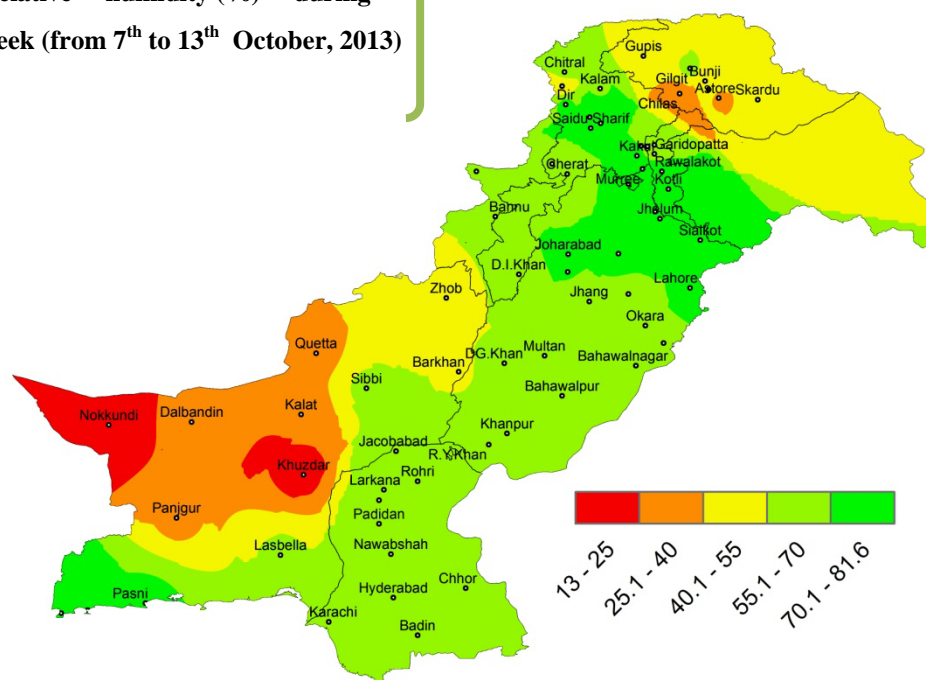
Mean maximum temperature (°C) during
the last week (from 7th to 13th October, 2013)



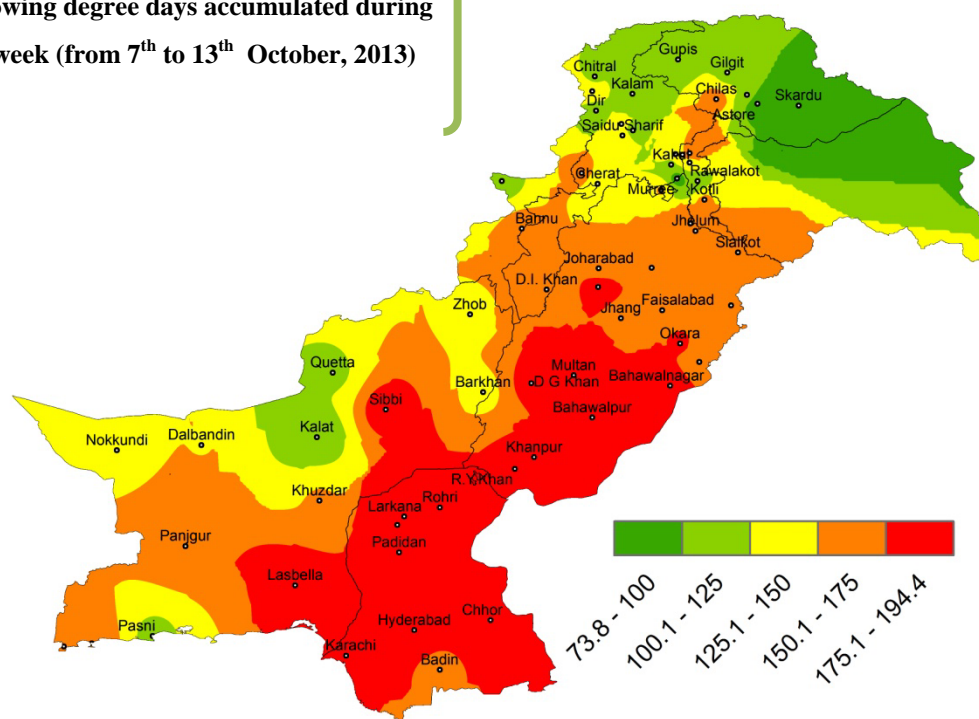
Extreme maximum temperature (°C) during
the last week (from 7th to 13th October, 2013)



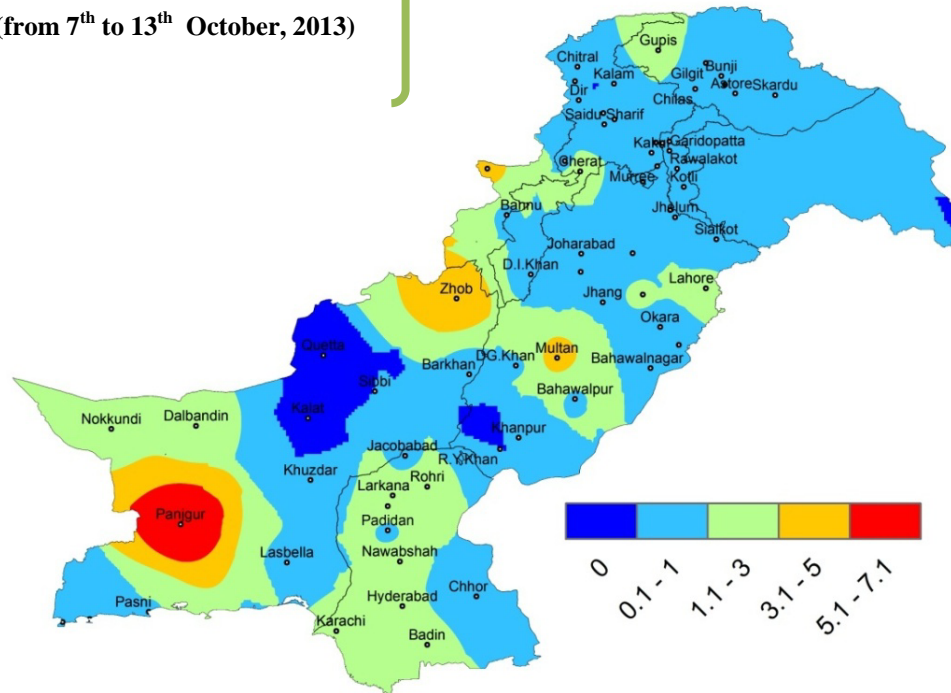
Mean relative humidity (%) during
the last week (from 7th to 13th October, 2013)



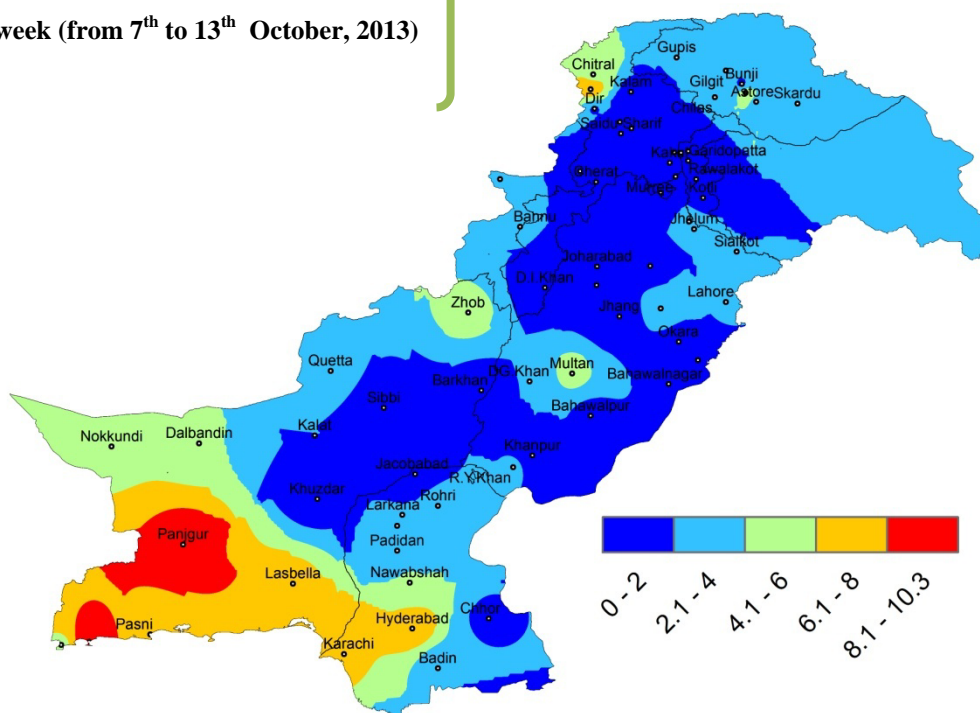
Total growing degree days accumulated during
the last week (from 7th to 13th October, 2013)



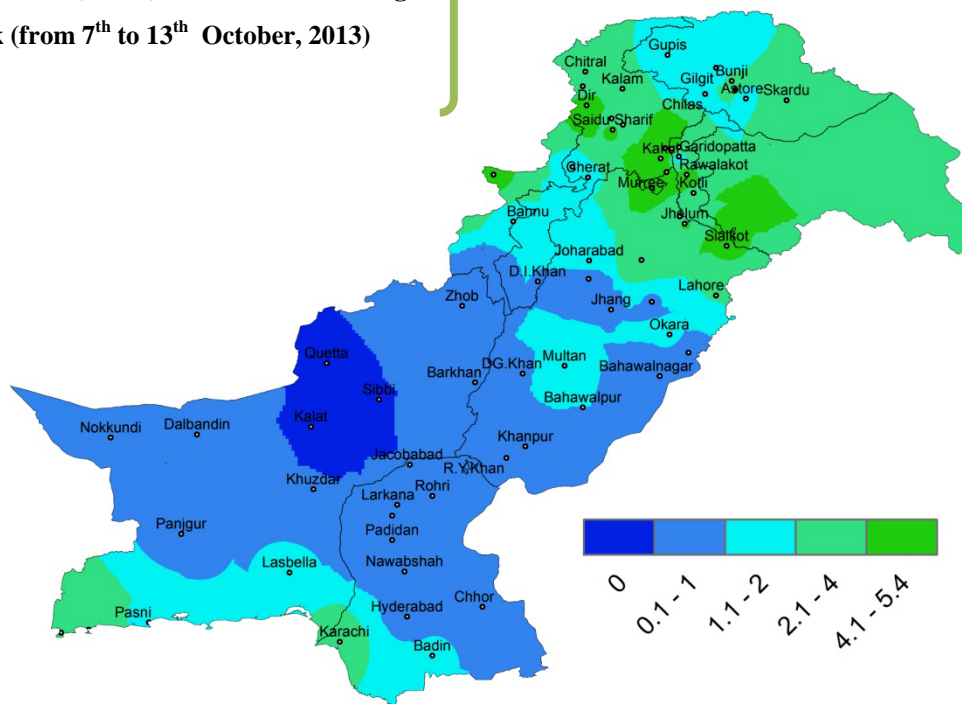
Mean wind speed (Knots) at 0800 PST during
the last week (from 7th to 13th October, 2013)



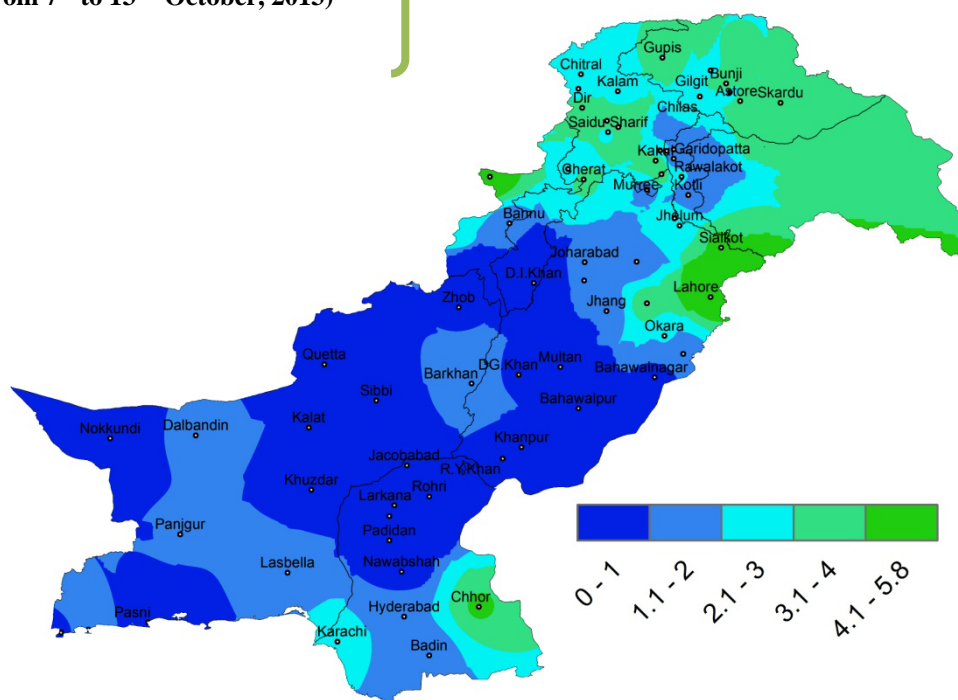
Mean wind speed (Knots) at 1700 PST during
the last week (from 7th to 13th October, 2013)



Mean Cloudiness (Oktas) at 0800PST during
the last week (from 7th to 13th October, 2013)



Mean Cloudiness (Oktas) at 1700PST during
the last week (from 7th to 13th October, 2013)



Weekly Weather advisory for Farmers
(From 14th to 20th October, 2013)

Synoptic Situation:

Continental air would prevail over most parts of the country during the week.

Punjab including Islamabad:

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

Khyber Pakhtunkhwa:

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

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:

Fair/Partly cloudy weather is expected in Gilgit-Baltistan during the week. However, light rain is expected at one or two places on 14th October.

Kashmir:

Mainly dry weather is expected in Kashmir during the week.

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 rainfed 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 7th to 13th October, 2013)

Stations	Maximum/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	Highest							
Astore	23.7	26.5	73.4	39	5.0	1.9	3.6	0.3	3.7
Badin	34.5	35.5	170.7	68	13.1	1.3	1.2	1.4	2.0
Bahawalnagar	35.9	38.0	181.2	65	0.0	0.6	0.7	0.9	1.4
Bahawalpur	36.9	39.3	182.0	62	0.0	1.0	0.6	0.9	1.1
Balakot	29.7	31.8	141.4	70	11.1	4.1	2.0	1.1	0.0
Bannu	35.0	37.4	161.7	60	5.0	1.1	1.0	0.9	2.3
Barkhan	32.1	34.0	140.8	53	12.0	0.3	2.0	0.0	0.7
Chhor	39.0	40.2	188.8	65	0.0	0.0	4.2	0.0	1.3
Chilas	33.3	37.5	163.7	30	0.1	1.9	2.7	0.3	2.3
Chitral	29.7	34.0	119.4	61	0.0	2.9	2.6	0.6	5.4
Cherat	26.9	29.0	127.3	60	0.0	1.9	3.3	1.4	1.7
D.G Khan	36.3	38.7	184.6	64	0.0	1.0	0.7	0.9	2.0
D.I.Khan	35.4	38.0	167.6	66	26.1	1.0	0.0	0.3	0.0
Dalbandin	37.7	41.0	149.8	30	0.0	0.1	1.3	1.7	4.3
Dir	27.0	32.0	113.2	75	27.0	5.3	3.9	0.0	1.7
Drosh	31.1	34.2	142.2	41	1.0	2.6	2.3	0.0	7.7
Faisalabad	35.7	37.4	173.7	58	0.0	1.7	3.9	1.0	0.4
Garidopatta	33.1	34.5	146.2	66	0.0	0.6	1.4	0.0	1.7
Gawader	33.9	36.0	169.0	72	0.0	2.4	2.0	0.6	10.3
Gilgit	31.5	34.5	113.6	61	0.1	1.0	2.9	0.0	2.6
Gupis	27.1	31.0	101.6	42	0.0	1.6	3.3	2.0	2.3
Hyderabad	36.6	38.0	183.6	62	0.0	0.6	1.7	1.1	7.7
Islamabad	32.2	33.5	153.4	75	27.2	4.4	1.4	0.0	0.6
Jhang	36.0	38.4	172.7	64	0.1	1.0	1.0	0.9	0.0
Jhelum	34.1	36.0	170.0	72	1.2	4.1	2.4	0.6	2.3
Jiwani	33.2	38.0	168.9	75	0.0	2.1	0.7	0.0	5.3

Joharabad	34.7	36.5	170.3	73	0.0	1.1	1.1	0.3	1.1
Kakul	26.9	28.5	115.4	75	14.0	5.4	4.1	0.0	0.9
Kalam	22.3	26.0	104.4	69	2.0	2.1	2.4	0.0	0.6
Kalat	28.4	30.0	99.9	27	0.0	0.0	1.0	0.0	2.0
Karachi	35.5	38.0	181.6	67	1.1	2.7	2.5	1.1	6.3
Khanpur	36.3	38.5	180.9	68	0.0	0.0	0.9	0.0	1.1
Khuzdar	33.2	36.0	151.8	18	0.0	0.0	0.6	0.0	0.6
Kotli	31.2	32.8	154.9	73	2.0	3.7	1.1	1.0	1.6
Lahore	32.9	35.0	164.1	73	1.2	2.0	5.3	1.4	2.3
Larkana	37.1	39.0	192.1	68	0.0	0.0	0.3	1.1	2.0
Lasbella	39.1	41.0	188.4	59	0.0	1.3	1.5	0.7	7.3
Lower Dir	32.3	34.5	131.8	70	26.0	3.3	3.7	0.6	1.7
Malam Jabba	18.6	21.0	114.5	79	19.0	3.1	3.9	0.0	0.3
M.B Din	33.9	35.5	170.0	77	2.1	3.4	1.1	0.6	0.9
Mangla	34.4	36.3	167.5	72	0.0	3.1	2.9	0.0	2.3
Mir Khani	31.4	34.0	118.9	43	0.0	2.0	2.1	0.0	5.4
Moinjodaro	36.9	39.2	190.8	64	0.0	0.2	0.0	16.3	2.7
Multan	35.3	38.2	182.8	60	5.0	1.2	0.6	3.7	4.9
Murree	20.8	22.5	89.0	78	1.0	4.7	3.6	0.9	1.3
Muzaffarabad	31.4	34.2	149.4	65	5.0	5.1	2.7	0.3	0.0
Nokkundi	37.2	40.5	142.8	13	0.0	0.0	0.0	2.3	5.3
Noorpurthal	38.0	40.2	179.4	70	5.0	0.9	1.1	0.0	0.0
Okara	35.3	37.5	176.1	68	0.0	1.3	2.1	0.6	0.9
Padidan	37.4	39.0	185.5	67	0.0	0.3	1.0	0.9	2.0
Panjgur	34.7	37.0	172.0	35	0.0	0.4	1.2	7.1	9.5
Parachinar	21.6	22.8	109.6	62	141.0	4.9	5.9	3.6	3.6
Pasni	33.5	35.5	118.0	77	0.0	1.9	0.0	0.9	6.0
Pattan	33.5	36.5	156.4	56	6.0	4.3	0.9	0.3	0.0
Peshawar	33.4	35.0	164.3	70	3.0	1.6	2.4	0.9	1.0
Quetta	29.8	32.0	97.1	29	0.0	0.0	0.4	3.2	3.8
R.Y Khan	38.0	40.4	186.9	65	0.0	0.3	0.4	0.0	2.3

Rawalakot	24.9	27.0	105.3	82	3.1	4.7	2.1	0.0	1.7
Rawalpindi	31.7	33.5	150.3	70	50.0	3.0	0.7	0.7	0.8
Rohri	36.9	39.0	191.6	59	0.0	0.4	0.0	1.4	3.0
Sahiwal	35.1	37.0	168.6	69	0.0	0.4	1.0	0.9	1.7
Saidu Sharif	29.6	32.8	137.3	71	34.0	4.4	2.6	0.3	0.6
Sialkot	32.0	34.4	163.9	78	6.1	4.3	4.4	0.0	2.0
Sibbi	38.8	40.5	194.4	59	0.0	0.0	0.0	0.0	0.0
Skardu	27.7	31.6	93.9	41	1.0	2.9	3.1	0.0	2.7
Tandojam	36.0	37.5	175.5	72	0.0	0.0	0.0	0.6	0.6
Usta Muhammad	37.0	38.0	182.5	62	0.0	0.0	0.4	0.1	0.1
Zhob	31.5	33.0	143.4	40	0.0	0.3	0.8	5.0	5.0

*** Shows that data was not available.