

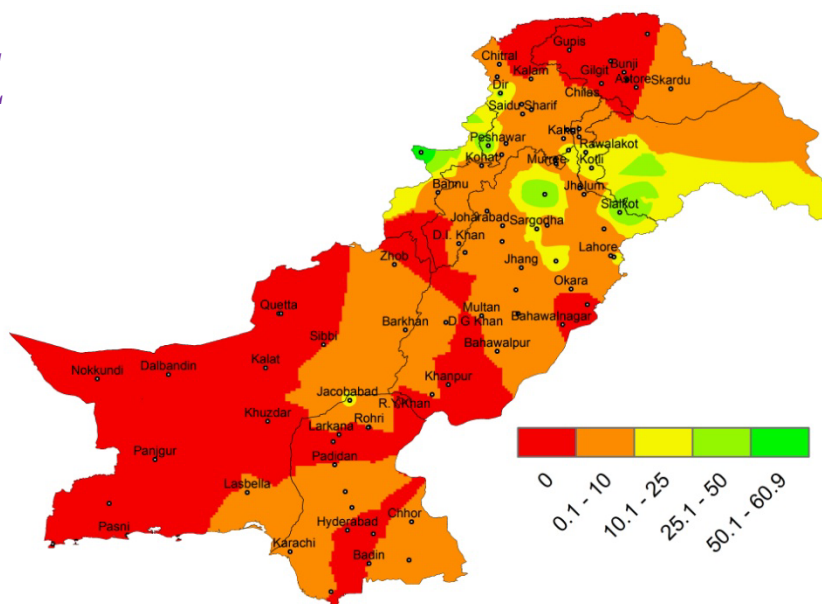
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall distribution (mm) during the
last week (from 30th Sep to 6th Oct, 2013)**



Highlights of Past Weather (from 30th Sep to 6th Oct, 2013)

Mainly hot & humid weather reported from most parts of the country during the week. Province wise distribution of rainfall reported as follows:

- Light to moderate rainfall reported from mostly upper parts of the Punjab.
- Light to moderate rainfall reported at a few places in the Sindh.
- Light to moderate rainfall reported from most of the places in the Khyber Pakhtunkhwa.
- Light rainfall reported at a single place i.e. "Barkhan" in the Balochistan.
- Light to moderate rainfall reported from most of the places in the Gilgit Baltistan & Kashmir regions.

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 to moderate rainfall reported from mostly upper parts of Punjab Province during the week. Weekly maximum and minimum temperatures are recorded as 34.3°C & 23.2°C respectively. For the present season average 165.0 growing degree days accumulated by the end of last week. Average relative humidity recorded as 71% and wind speed in the morning/evening recorded as 0.8/2.5 Knots. During the previous week highest amount of rainfall reported at Chakwal as 42.0mm and extreme maximum temperature recorded as 40.9°C at Rahim Yar Khan.

Sindh:

Light to moderate rainfall reported at a few places in Sindh Province during the week. Weekly maximum and minimum temperatures are recorded as 37.5°C & 26.6°C respectively. For the present season average 188.0 growing degree days accumulated by the end of last week. Average relative humidity recorded as 62% and wind speed in the morning/evening recorded as 2.1/4.3 Knots. During the previous week highest amount of rainfall reported at Jacobabad as 11.0mm and extreme maximum temperature recorded as 41.2°C at Chhor.

Khyber Pakhtunkhwa:

Light to moderate rainfall reported from most of the places in Khyber Pakhtunkhwa Province during the week. Weekly maximum and minimum temperatures are recorded as 30.7°C & 17.8°C respectively. For the present season average 131.7 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 12.3/2.6 Knots. During the previous week highest amount of rainfall reported at Parachinar as 61.0mm and

extreme maximum temperature recorded as 37.5°C at D.I Khan.

Balochistan:

Light rainfall reported at a single place i.e “Barkhan” in Balochistan Province during the week. Weekly maximum and minimum temperatures are recorded as 35.5°C & 20.0°C respectively. For the present season average 156.7 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 1.3/5.2 Knots. During the previous week highest amount of rainfall reported at Barkhan as 1.2mm and extreme maximum temperature recorded as 42.0°C at Lasbela.

Gilgit Baltistan and Azad Jammu & Kashmir:

Light to moderate rainfall reported from most of the places in Gilgit Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures are recorded as 31.0°C & 14.5°C respectively. For the present season average 126.3 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 0.2/1.6 Knots. During the previous week highest amount of rainfall reported at Kotli as 22.0mm and extreme maximum temperature recorded as 38.1°C at Chilas.

**Past Weather for Major Agricultural-
Plains (from 30th Sep to 6th Oct, 2013)****Rawalpindi (Potohar region)**

Rainfall reported as 6.0mm during the week; however cloudiness in the morning/evening recorded as 2.2/3.7 Oktas while, average relative humidity observed as 74%. Mean day time temperature recorded as 32.6°C & for the present season 155.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/0.8 Knots.

Faisalabad (Central Punjab)

Rainfall reported as "Trace" i.e 0.1mm during the week; however cloudiness in the morning/evening recorded as 0.0/4.4 Oktas while, average relative humidity observed as 60%. Mean day time temperature recorded as 35.3°C & for the present season 175.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/0.9Knots.

Tandojam (Lower Singh)

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 1.0/1.1 Oktas while, average relative humidity observed as 62%. Mean day time temperature recorded as 37.4°C & for the present season 183.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

Quetta (Northern Balochistan)

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 32%. Mean day time temperature recorded as 30.5°C & for the present season 99.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.6/3.3 Knots.

Usta Muhammad (Eastern Balochistan)

No rainfall and cloudiness reported during the week; while, average relative humidity observed as 64%. Mean day time temperature recorded as 36.1°C & for the present season 178.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/0.5 Knots.

**Past Weather for Sub Regional Agricultural-
Plains (from 30th Sep to 6th Oct, 2013)****Rohri**

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 0.3/0.0 Oktas while average relative humidity observed as 59%. Mean day time temperature recorded as 37.1°C & for the present season 192.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.6/4.0 Knots.

Multan

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 0.1/0.5 Oktas while average relative humidity observed as 60%. Mean day time temperature recorded as 35.9°C & for the present season 181.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.6/4.3 Knots.

Lahore

Rainfall reported as 16.1mm during the week; however cloudiness in the morning/evening recorded as 2.3/3.7 Oktas while average relative humidity observed as 76%. Mean day time temperature recorded as 33.0°C & for the present season 159.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.0/1.7 Knots.

Zhob

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 0.0/1.5 Oktas while average relative humidity

observed as 41%. Mean day time temperature recorded as 32.6°C & for the present season 146.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.3/8.7 Knots.

D.I. Khan

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 1.3/2.5 Oktas while average relative humidity observed as 65%. Mean day time temperature recorded as 36.5°C & for the present season 172.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 4.0/2.7 Knots.

Peshawar

Rainfall reported as 39.0mm during the week; however cloudiness in the morning/evening recorded as 2.0/1.3 Oktas while average relative humidity observed as 71%. Mean day time temperature recorded as 34.5°C & for the present season 163.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.7 Knots.

Murree

Rainfall reported as 22.0mm during the week; however cloudiness in the morning/evening recorded as 4.0/8.0 Oktas while average relative humidity observed as 89%. Mean day time temperature recorded as 20.8°C & for the present season 86.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/0.7 Knots.

Kalam

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 0.0/2.0 Oktas while average relative humidity observed as 67%. Mean day time temperature recorded as 24.0°C & for the present season 101.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.3 Knots.

Gilgit

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 0.7/2.7 Oktas while average relative humidity observed as 60%. Mean day time temperature

recorded as 32.2°C & for the present season 118.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.0 Knots.

Skardu

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded as 1.3/2.0 Oktas while average relative humidity observed as 44%. Mean day time temperature recorded as 28.3°C & for the present season 91.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.5 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 *Harvesting* 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 *1st 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)

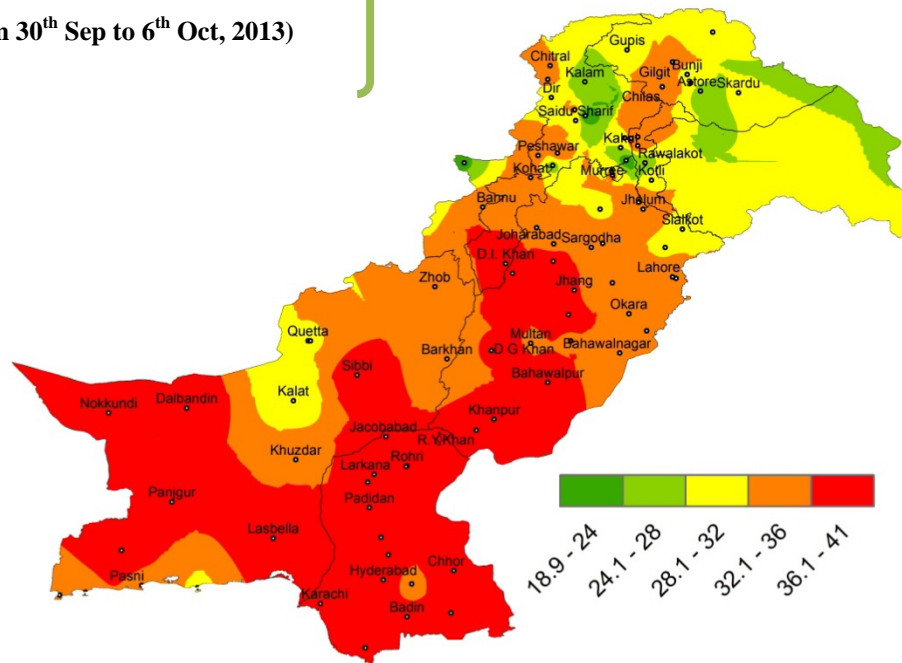
There is presently no crop in the fields.

Eastern Balochistan (Usta Muhammad)

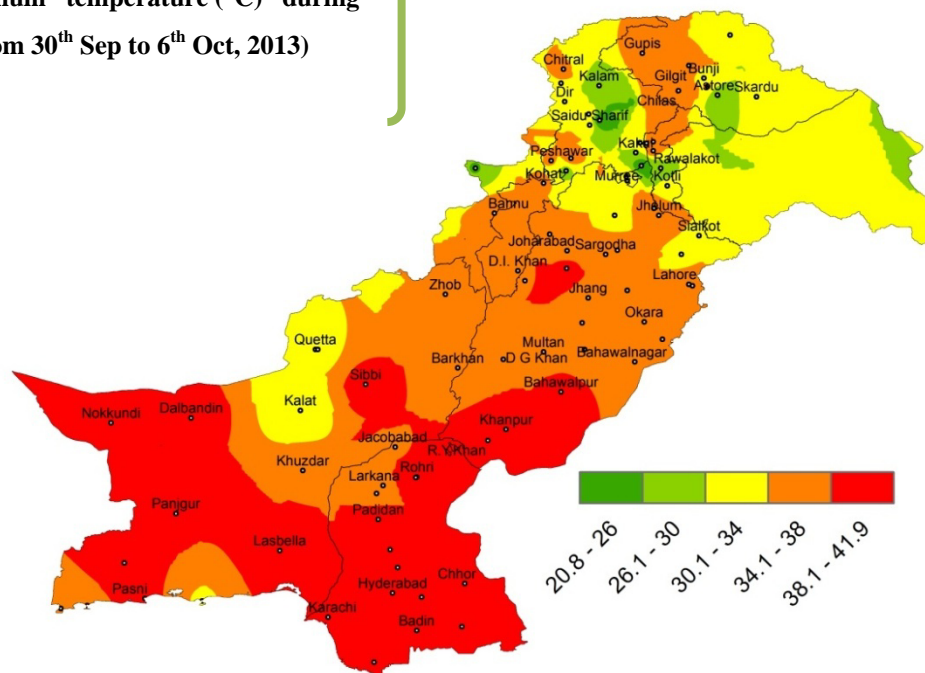
There is only one crop (irrigated conditions) grown in the fields as detailed below.

Rice: Good condition at *Wax Maturity* stage.

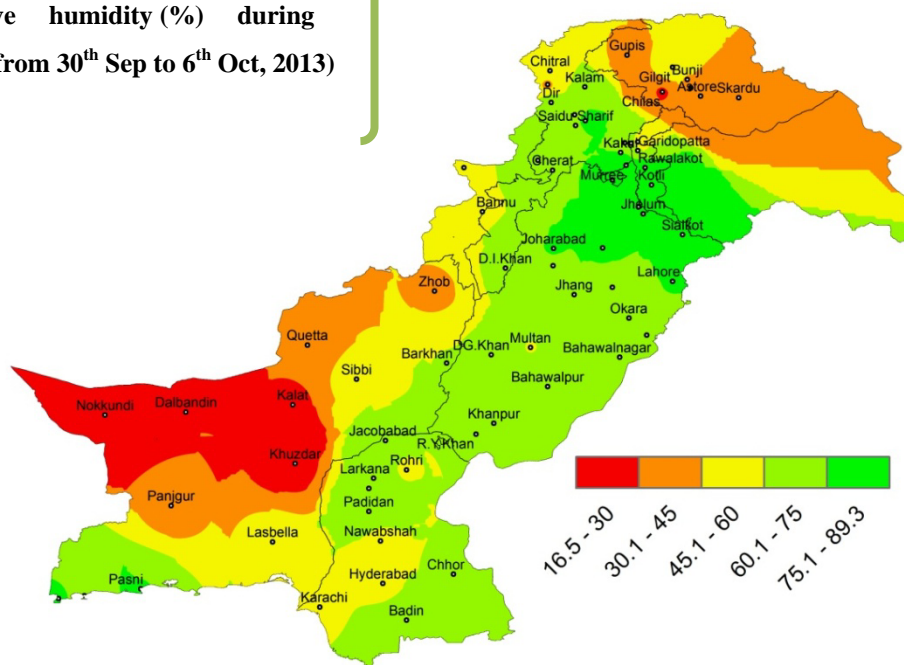
Mean maximum temperature (°C) during
the last week (from 30th Sep to 6th Oct, 2013)



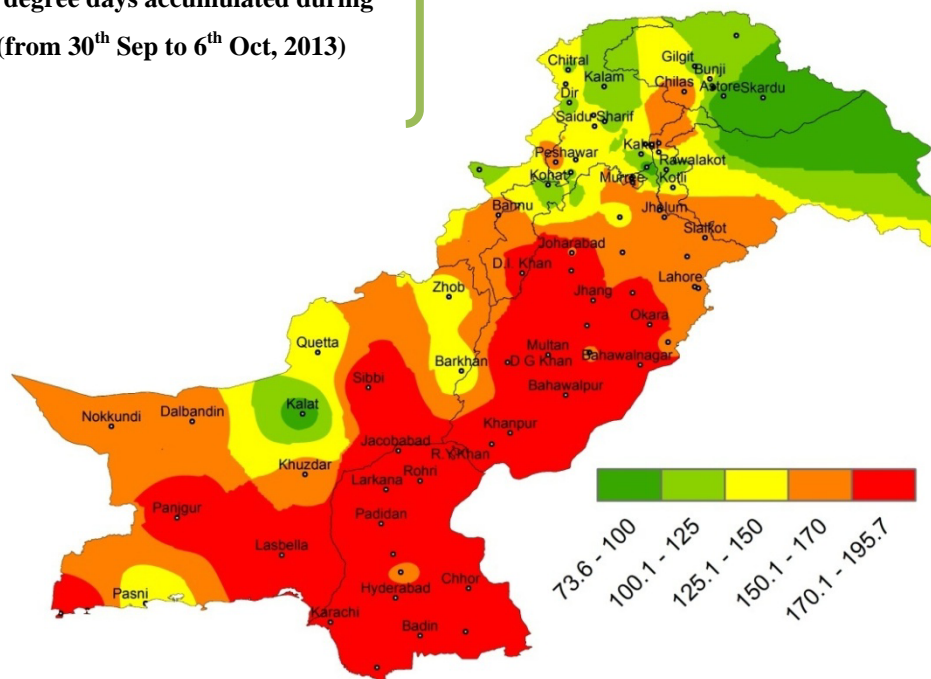
Extreme maximum temperature (°C) during
the last week (from 30th Sep to 6th Oct, 2013)



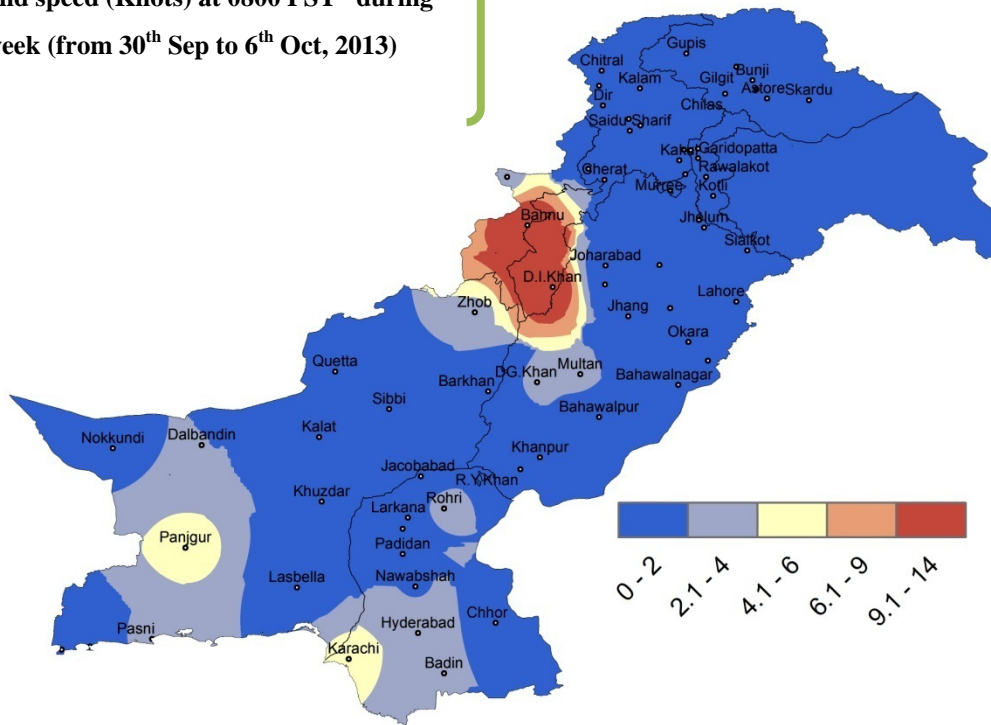
Mean relative humidity (%) during
the last week (from 30th Sep to 6th Oct, 2013)



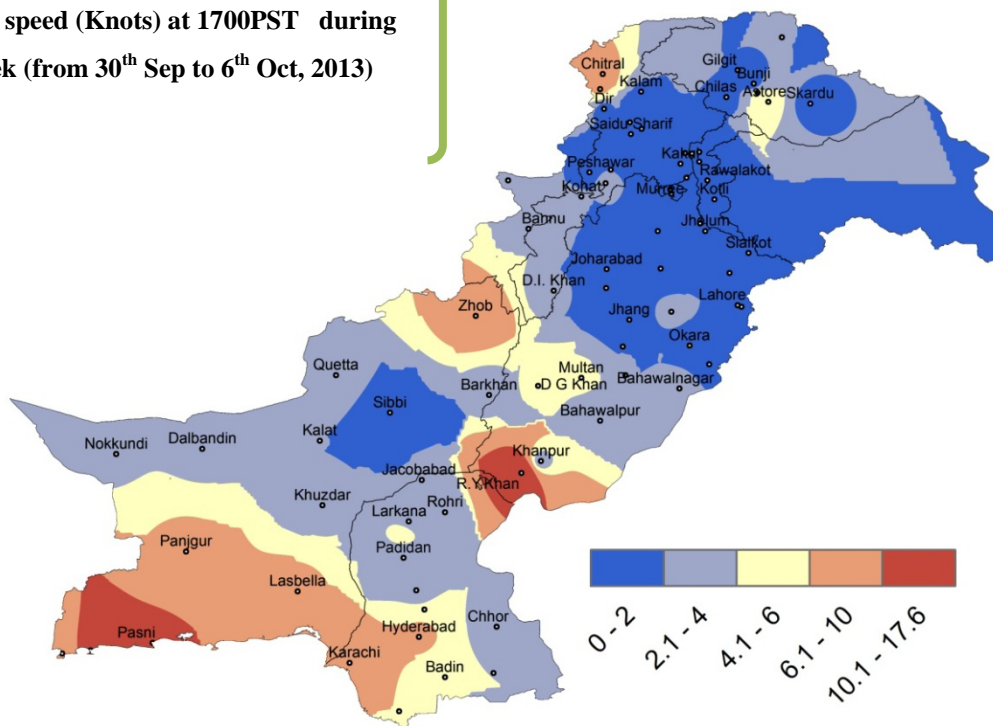
Total growing degree days accumulated during
the last week (from 30th Sep to 6th Oct, 2013)



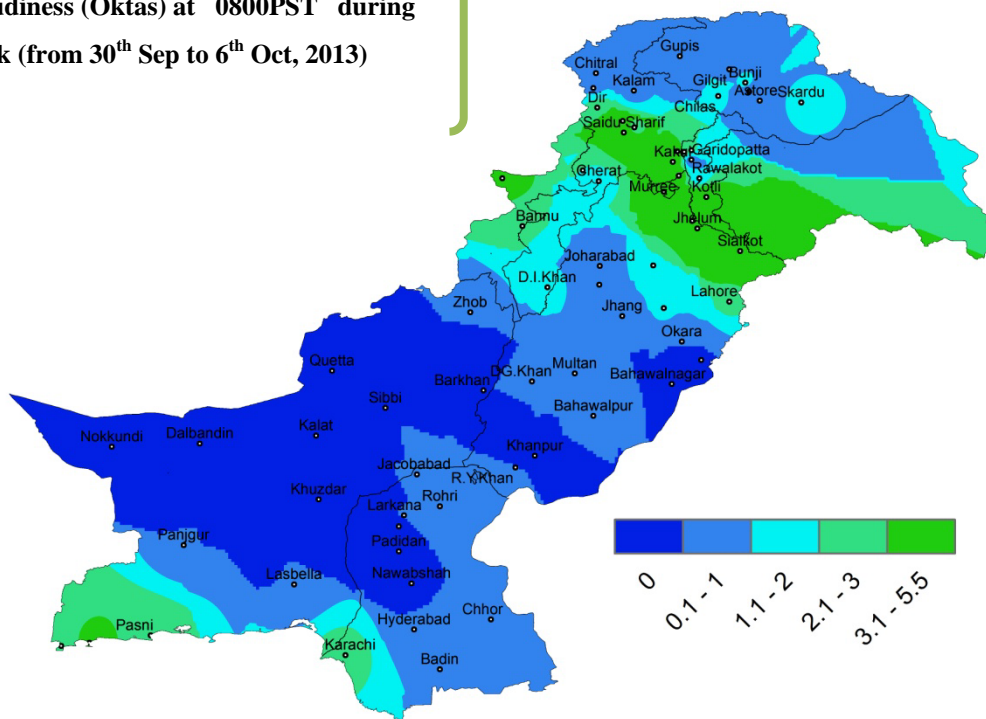
Mean wind speed (Knots) at 0800 PST during the last week (from 30th Sep to 6th Oct, 2013)



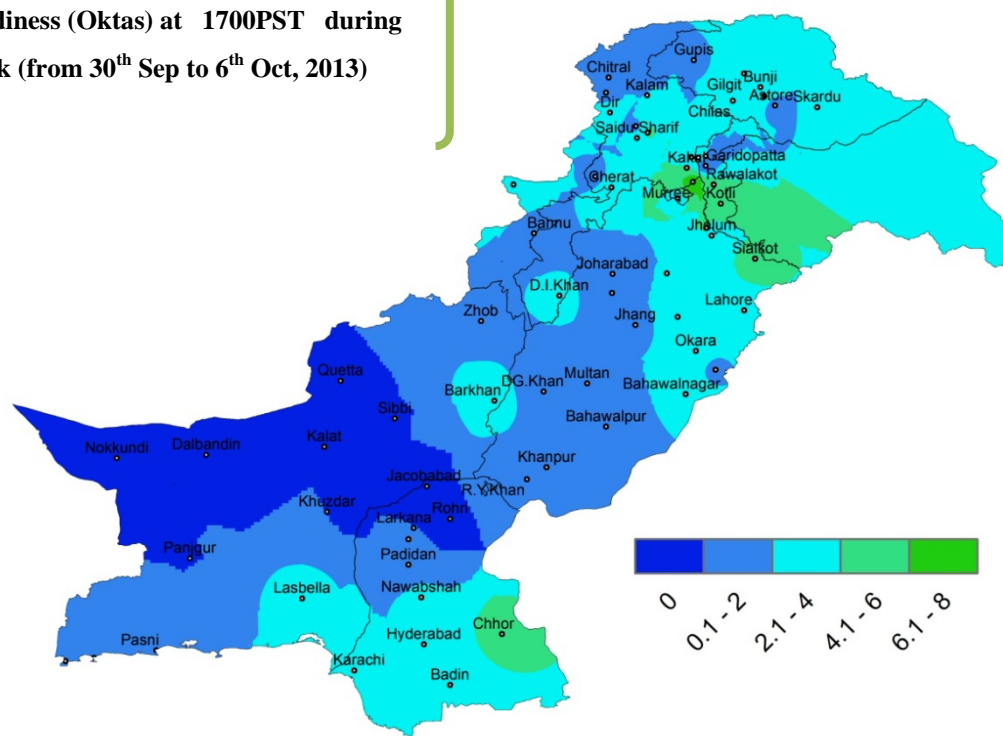
Mean wind speed (Knots) at 1700 PST during the last week (from 30th Sep to 6th Oct, 2013)



Mean Cloudiness (Oktas) at 0800PST during
the last week (from 30th Sep to 6th Oct, 2013)



Mean Cloudiness (Oktas) at 1700PST during
the last week (from 30th Sep to 6th Oct, 2013)



Weekly Weather advisory for Farmers
(From 7th to 13th October, 2013)

A Low pressure lies over northeast Madhya Pradesh (India) and adjoining areas, which is likely to move west southwestward direction (towards Indian Gujarat) in next 3-4 days. A fresh westerly wave is also likely to approach upper parts of the country during the weekend.

Punjab including Islamabad:

Hot and humid weather is expected in most parts of the province during first half of the week. Rain-thundershower associated with gusty winds is expected at scattered places in upper Punjab (Rawalpindi/Islamabad, Gujranwala, Lahore, Sargodha and Faisalabad divisions), while at isolated places central/Southern Punjab (Multan, Bahawalpur, Sahiwal, D.G. Khan divisions) during second half of the week.

Khyber Pakhtunkhwa:

Hot and humid weather is expected in most parts of the province during first half of the week; however, rain-thunderstorm associated with gusty winds is expected at scattered places in upper KP (Malakand, Hazara, Peshawar, Kohat divisions and FATA region) and, while at isolated places in Bannu and D.I. Khan divisions during the weekend.

Balochistan:

Very hot and dry weather is expected in most parts of the province during the week; however rain-thunderstorm is likely at isolated places in eastern parts of Balochistan (Zhob and Kalat divisions) during the second half of the week.

Sindh:

Mainly hot and humid weather is expected in most parts of the province during the week. However, rain-thundershower associated with gusty winds is expected at isolated places in Southeastern/Lower Sindh (Mirpurkhas,

Hyderabad and Sukkar divisions) from Thursday to Saturday. Gilgit-Baltistan:

Rain-thundershower is expected at isolated places on Monday/Tuesday.

Kashmir:

Mainly hot and humid weather with possibility of isolated Rain-thunderstorm is expected during first half of the week, while Rain-thundershower associated with gusty winds is expected at scattered places during the second half of the week.

Gilgit-Baltistan:

Mainly Fair/Partly cloudy weather with light rain-thunderstorm may occur at few places of GB during first half of the week, while Scattered Rain-Thunderstorm is expected places during second half of the week.

Advises for Crops:

Sugarcane/Cotton:

Farmers are advised to manage irrigation practices as per weather prediction during the week.

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 30th Sep to 6th Oct, 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	24.7	25.4	73.1	37	0.0	0.7	1.7	0.0	5.0
Badin	36.7	39.4	188.1	67	0.0	0.8	2.7	2.0	4.0
Bahawalnagar	35.4	37.5	176.7	64	0.0	0.0	2.8	1.7	3.3
Bahawalpur	36.3	38.7	179.7	65	0.0	0.0	0.3	0.0	2.3
Balakot	30.5	31.5	136.8	69	9.0	3.6	3.2	0.0	0.3
Bannu	35.9	37.0	165.9	58	0.0	2.0	1.2	13.9	4.0
Barkhan	32.1	34.0	138.5	60	1.2	0.0	3.2	0.0	2.2
Bunji	31.4	32.8	129.6	44	0.0	1.4	2.7	0.0	0.0
Cherat	26.3	28.0	119.5	74	0.0	1.6	3.5	2.0	2.3
Chhor	39.5	41.2	194.7	64	0.0	0.7	4.8	0.7	3.0
Chilas	35.9	38.1	169.6	28	0.0	1.1	2.2	0.6	1.3
Chitral	32.4	34.5	121.8	60	0.0	0.0	1.0	0.0	7.3
DG.Khan	36.6	37.5	183.7	66	0.0	0.0	0.3	2.3	4.7
D.I.Khan	36.5	37.5	172.3	65	0.0	1.3	2.5	4.0	2.7
Dalbandin	39.7	41.0	164.5	30	0.0	0.0	0.0	2.0	3.3
Dir	29.6	31.5	119.3	71	27.0	2.9	2.7	0.0	1.0
Drosh	32.7	34.0	150.0	41	0.0	0.7	1.7	0.0	6.7
Faisalabad	35.3	37.2	175.2	60	0.1	0.0	4.4	0.9	0.9
Garidopatta	34.0	35.0	141.5	61	0.0	0.0	0.7	0.0	0.0
Gawader	34.6	36.5	177.3	73	0.0	3.3	0.3	1.3	11.7
Gilgit	33.2	35.5	118.0	60	0.0	0.7	2.7	0.0	2.0
Gupis	29.6	36.5	***	38	0.0	0.3	1.8	0.9	3.0
Hyderabad	37.7	39.0	192.3	57	0.0	0.0	2.0	4.0	6.7
Islamabad	32.0	33.0	150.9	77	0.1	4.0	3.0	0.0	0.3
Jacobabad	36.8	37.5	188.5	62	11.0	0.0	0.0	1.0	2.3
Jhang	36.0	37.0	170.4	65	0.0	0.0	1.0	0.3	0.7
Jhelum	33.4	35.5	162.6	76	0.0	3.4	2.5	0.0	0.3
Jiwani	33.9	36.5	172.8	76	0.0	2.2	0.0	1.7	7.7
Joharabad	34.9	36.0	169.6	77	0.0	0.6	0.8	0.0	0.0
Kakul	27.5	29.0	113.5	75	0.0	3.9	4.2	0.0	1.7
Kalam	24.0	26.0	101.8	67	0.0	0.0	2.0	0.0	1.3
Kalat	28.7	30.0	89.8	26	0.0	0.0	0.0	0.0	2.0

Karachi	37.5	40.2	193.4	59	0.1	2.7	3.7	4.6	7.7
Khanpur	36.9	39.0	183.4	68	0.0	0.0	0.2	0.0	2.3
Khuzdar	35.1	36.5	158.3	18	0.0	0.0	0.0	0.0	3.0
Kotli	31.1	31.7	147.5	76	22.0	5.6	5.3	1.0	1.7
Lahore	33.0	34.8	158.9	76	16.1	2.3	3.7	1.0	1.7
Larkana	36.7	37.5	187.8	68	0.0	0.0	0.0	1.0	2.3
Lasbella	40.5	42.0	194.0	54	0.0	0.0	2.8	0.3	7.0
Lower Dir	33.5	34.5	132.8	65	0.0	3.3	1.5	0.6	2.0
Malam Jabba	18.6	20.5	113.5	83	3.0	2.4	4.7	0.0	0.3
M.B Din	33.8	35.0	165.1	79	0.0	1.7	2.2	0.9	0.7
Mangla	33.4	35.5	158.3	75	0.1	4.9	4.3	0.9	1.0
Mir Khani	32.1	35.0	114.1	42	0.0	0.0	2.3	0.0	5.2
Moinjodaro	36.5	37.0	***	65	0.0	0.0	0.0	1.2	5.3
Multan	35.9	37.2	181.8	60	0.0	0.1	0.5	2.6	4.3
Murree	20.8	22.0	86.9	89	22.0	4.0	8.0	2.0	0.7
Muzaffarabad	33.6	34.4	152.4	66	1.0	2.7	2.8	0.0	2.5
Nokkundi	40.3	41.5	151.0	17	0.0	0.0	0.0	1.3	3.7
Noorpurthal	37.9	39.5	178.0	70	8.0	0.4	1.3	0.0	1.0
Okara	35.5	37.0	174.3	67	0.0	0.0	3.0	0.6	1.0
Padidan	38.3	39.5	190.3	65	0.0	0.0	0.7	1.7	2.3
Panjgur	37.2	39.0	178.0	35	0.0	0.0	0.0	4.9	7.0
Parachinar	23.5	25.8	112.4	55	61.0	3.9	3.8	2.9	3.0
Pasni	34.3	38.5	129.3	76	0.0	2.8	0.0	2.3	10.7
Pattan	35.1	36.0	162.3	54	2.0	2.3	2.0	0.0	0.3
Peshawar	33.8	34.5	163.9	71	39.0	2.0	1.3	1.1	1.7
Quetta	30.5	32.0	99.3	32	0.0	0.0	0.3	1.6	3.3
Tandojam	37.4	38.5	183.8	62	0.0	1.0	1.1	0.0	0.3
R.Y.Khan	38.3	40.9	187.5	61	0.0	0.0	0.5	0.6	17.7
Rawalakot	25.7	27.0	101.4	88	19.1	1.3	4.7	0.0	1.7
Rohri	37.1	39.0	192.8	59	0.0	0.3	0.0	2.6	4.0
Rawalpindi	32.6	33.5	155.5	74	6.0	2.2	3.7	0.5	0.8
Sahiwal	35.3	36.3	168.0	69	0.0	0.0	1.7	0.9	1.0
Saidu Sharif	31.4	32.4	142.7	70	0.0	5.1	2.0	0.0	0.0
Sialkot	31.5	33.7	155.9	79	37.0	5.4	4.5	0.0	0.0
Sibbi	39.2	40.5	195.8	57	0.0	0.0	0.0	0.0	0.0

Skardu	28.3	31.6	91.0	44	0.1	1.3	2.2	0.0	0.5
U.Muhammad	36.1	36.5	178.5	64	0.0	0.0	0.0	0.5	0.5
Zhob	32.6	34.0	146.8	41	0.0	0.0	1.5	3.3	8.7

*** Shows that data was not available.