

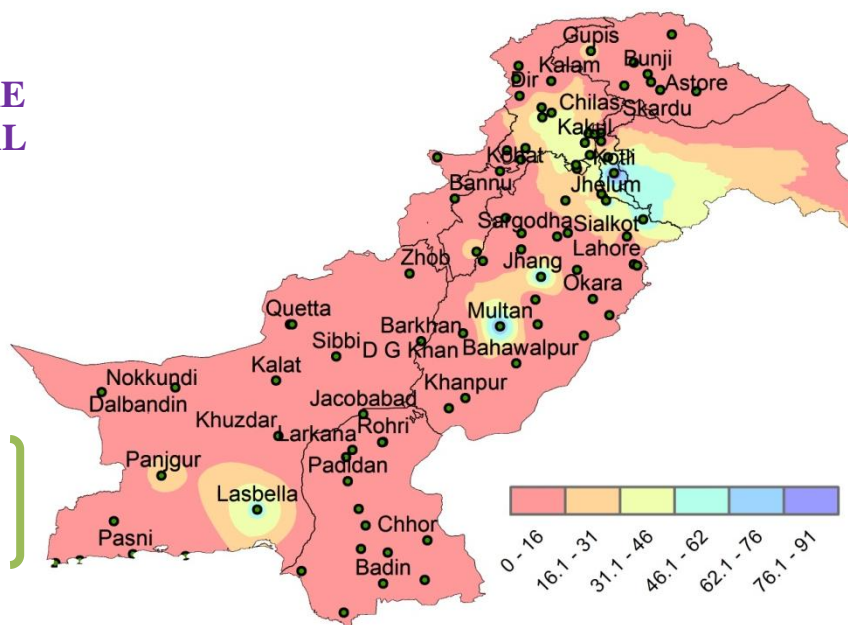
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall distribution(mm) during the
last week (from 2nd to 8th September, 2013)**



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Highlights of Past Weather (from 2nd to 8th September, 2013)

Light to Moderate rainfall reported from most of the places of the country especially in the northern half except in Sindh (where rainfall in traces reported from a single place) and Balochistan provinces.

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 most of the places in the Punjab Province during the week. Weekly maximum and minimum temperatures are recorded as 35.5°C & 24.7°C respectively. For the present season on average 173.1 growing degree days accumulated by the end of last week. Average relative humidity recorded as 68% and wind speed in the morning/evening recorded as 2.4/3.2 Knots. During the previous week highest amount of rainfall reported at Jhelum as 54.2mm and extreme maximum temperature recorded as 40.5°C at the Noorpur Thal.

Sindh

Rainfall reported as 0.1 mm from a single station “Karachi” in the Sindh Province during the week. Weekly maximum and minimum temperatures are recorded as 36.2°C & 25.5°C respectively. For the present season on average 180.3 growing degree days accumulated by the end of last week. Average relative humidity recorded as 67% and wind speed in the morning/evening recorded as 4.9/7.3 Knots. Extreme maximum temperature recorded as 41.0°C at the Dadu.

Khyber Pakhtunkhwa

Light to Moderate rainfall reported from most of the places in the Khyber Pakhtunkhwa Province. Weekly maximum and minimum temperatures are recorded as 31.9°C & 19.2°C respectively. For the present season on average 147.8 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 0.8/3.7 Knots. During the previous week highest amount of rainfall reported at Balakot as 39.1mm and extreme maximum temperature recorded as 40.0°C at the D.I.Khan.

Balochistan

No rainfall reported from any part of the Balochistan Province during the week. Weekly maximum and minimum temperatures are recorded as 35.2°C & 20.9°C respectively. For the present season on average 158.2 growing degree days accumulated by the end of last week. Average relative humidity recorded as 50% and wind speed in the morning/evening recorded as 2.1/6.4 Knots. Extreme maximum temperature recorded as 43.5°C at the Dalbandin.

Gilgit Baltistan and Azad Jammu & Kashmir

Light to Moderate rainfall reported from most of the places in the Gilgit Baltistan and Kashmir region during the week. Weekly maximum and minimum temperatures are recorded as 31.9°C & 16.7°C respectively. For the present season on average 136.1 growing degree days accumulated by the end of last week. Average relative humidity recorded as 55% and wind speed in the morning/evening recorded as 0.7/2.4 Knots. During the previous week highest amount of rainfall reported at Kotli as 33.0 mm and extreme maximum temperature recorded as 38.9°C at the Chilas.

Past Weather for Major Agricultural-Plains (from 2nd to 8th September, 2013)

Rawalpindi (Potohar region)

Rainfall reported as 25.8mm during the week, however cloudiness in the morning/evening recorded as 2.7/3.4 Oktas while average relative humidity observed as 71%. Mean day time temperature recorded as 33.4°C & for the present season 161.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.1/2.8 Km/h.

Faisalabad (Central Punjab)

No rainfall reported during the week, however cloudiness in the morning/evening recorded as 1.3/1.1 Oktas while average relative humidity observed as 58%. Mean day time temperature recorded as 36.9°C & for the present season 185.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.7/3.4 Km/h.

Tandojam (Lower Sindh)

No rainfall and cloudiness reported during the week while average relative humidity observed as 63%. Mean day time temperature recorded as 34.8°C & for the present season 173.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.6/7.4 Km/h.

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 24%. Mean day time temperature recorded as 32.3°C & for the present season 116.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.1/6.1 Km/h.

Usta Muhammad (Eastern Balochistan)

No rainfall reported during the week, however cloudiness in the morning/evening recorded as 0.7/0.0 Oktas while average relative humidity observed as 68%. Mean day time temperature recorded as 35.2°C & for the present season 174.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.2/0.2 Km/h.

Past Weather for Sub Regional Agricultural-Plains (from 2nd to 8th September, 2013)

Rohri

No rainfall and cloudiness reported during the week while average relative humidity observed as 60%. Mean day time temperature recorded as 38.6°C & for the present season 192.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.0/2.3 Knots.

Multan

No rainfall reported during the week, however cloudiness in the morning/evening recorded as 1.2/0.3 Oktas while average relative humidity observed as 64%. Mean day time temperature recorded as 36.6°C & for the present season 186.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 6.0/8.9 Knots.

Lahore

Rainfall reported as 27.0mm during the week, however cloudiness in the morning/evening recorded as 0.0/4.1 Oktas while average relative humidity observed as 68%. Mean day time temperature recorded as 35.2°C & for the present season 176.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.3/2.6 Knots.

Zhob

No rainfall and cloudiness reported during the week while average relative humidity observed as 36%. Mean day time temperature recorded as 35.4°C & for the present season 159.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/5.0 Knots.

D.I. Khan

Rainfall reported as 26.0mm, however no cloudiness recorded during the week. Average relative humidity observed as 63%. Mean day time temperature recorded as 38.0°C & for the present season 180.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/0.6 Knots.

Peshawar

No rainfall reported during the week, however cloudiness in the morning/evening recorded as 1.4/2.6 Oktas while average relative humidity observed as 64%. Mean day time temperature recorded as 35.5°C & for the present season 170.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.4/3.7 Knots.

Murree

Rainfall reported as 49.0mm during the week, however cloudiness in the morning/evening recorded as 2.6/7.1 Oktas while average relative humidity observed as 81%. Mean day time temperature recorded as 21.4°C & for the present season 90.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/0.3 Knots.

Kalam

Rainfall reported as 3.0mm during the week, however cloudiness in the morning/evening recorded as 0.0/4.4 Oktas while average relative humidity observed as 65%. Mean day time temperature recorded as 24.9°C & for the present season 106.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/2.5 Knots.

Gilgit

Rainfall reported as 0.1mm during the week, however cloudiness in the morning/evening recorded as 0.3/4.0 Oktas while average relative humidity observed as 58%. Mean day time temperature recorded as 33.8°C & for the present season 130.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/4.3 Knots.

Skardu

Rainfall reported as 0.1mm during the week, however cloudiness in the morning/evening recorded as 1.8/4.1 Oktas while average relative humidity observed as 47%. Mean day time temperature recorded as 29.5°C & for the present season 106.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.6 Knots.

Crop Situation for major agricultural plains (Based on data from Regional Agromet Centres)

Potohar Region (Rawalpindi)

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

Maize (Agati 2002): Good condition at *Ninth Leaf* 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 *Boll Opening* stage.

Lower Sindh (Tandojam)

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

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

Northern Balochistan (Quetta)

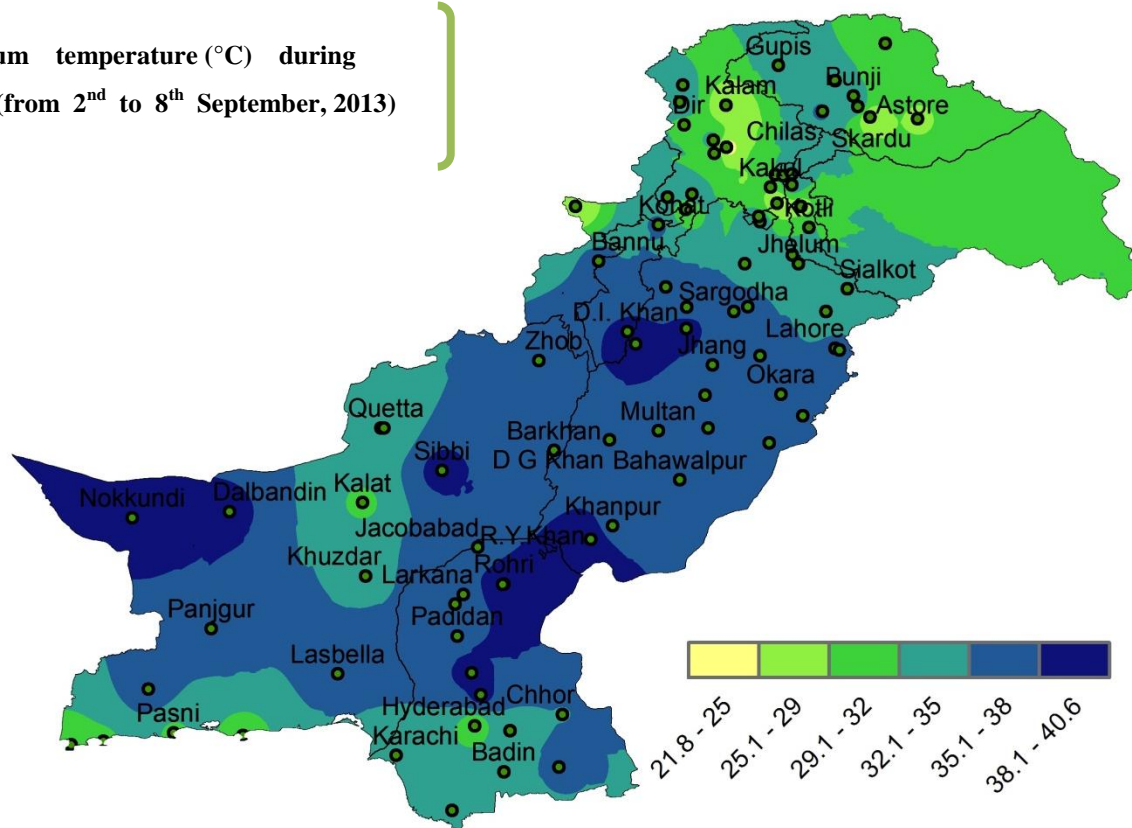
There is presently no crop in the fields.

Eastern Balochistan (Usta Muhammad)

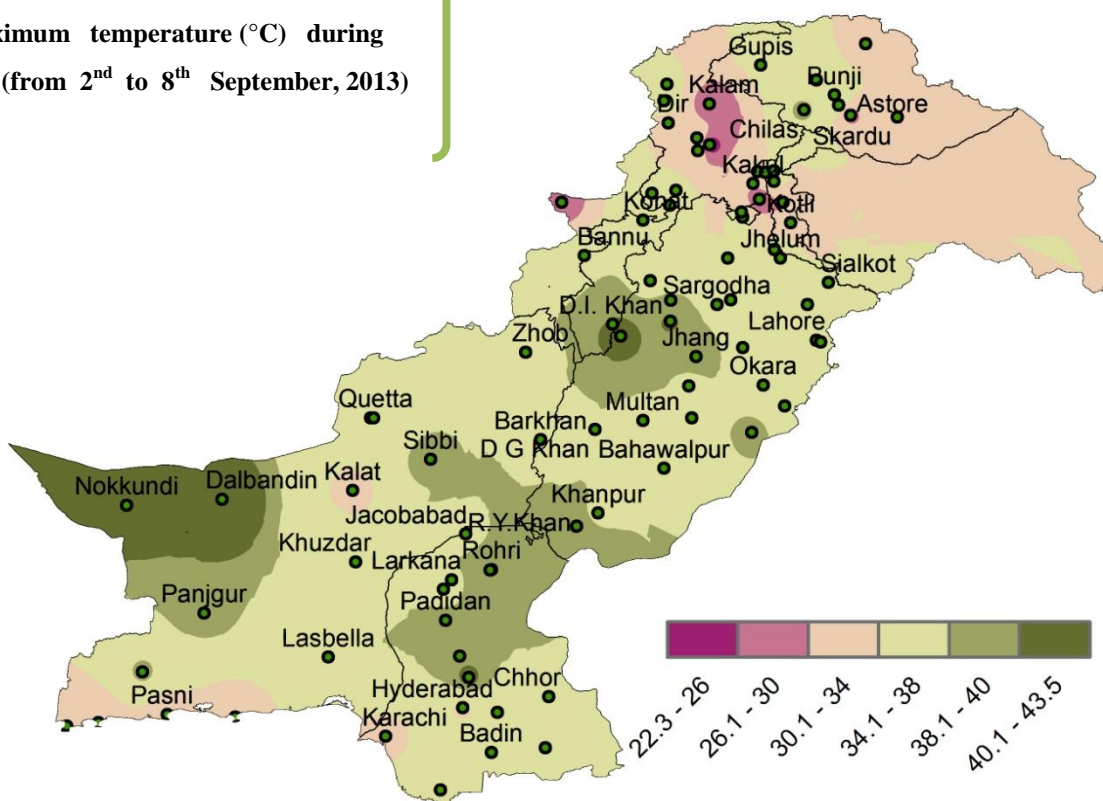
There is only one crop (irrigated conditions) grown in the fields as detailed below.

Rice: Good condition at *Flowering* stage.

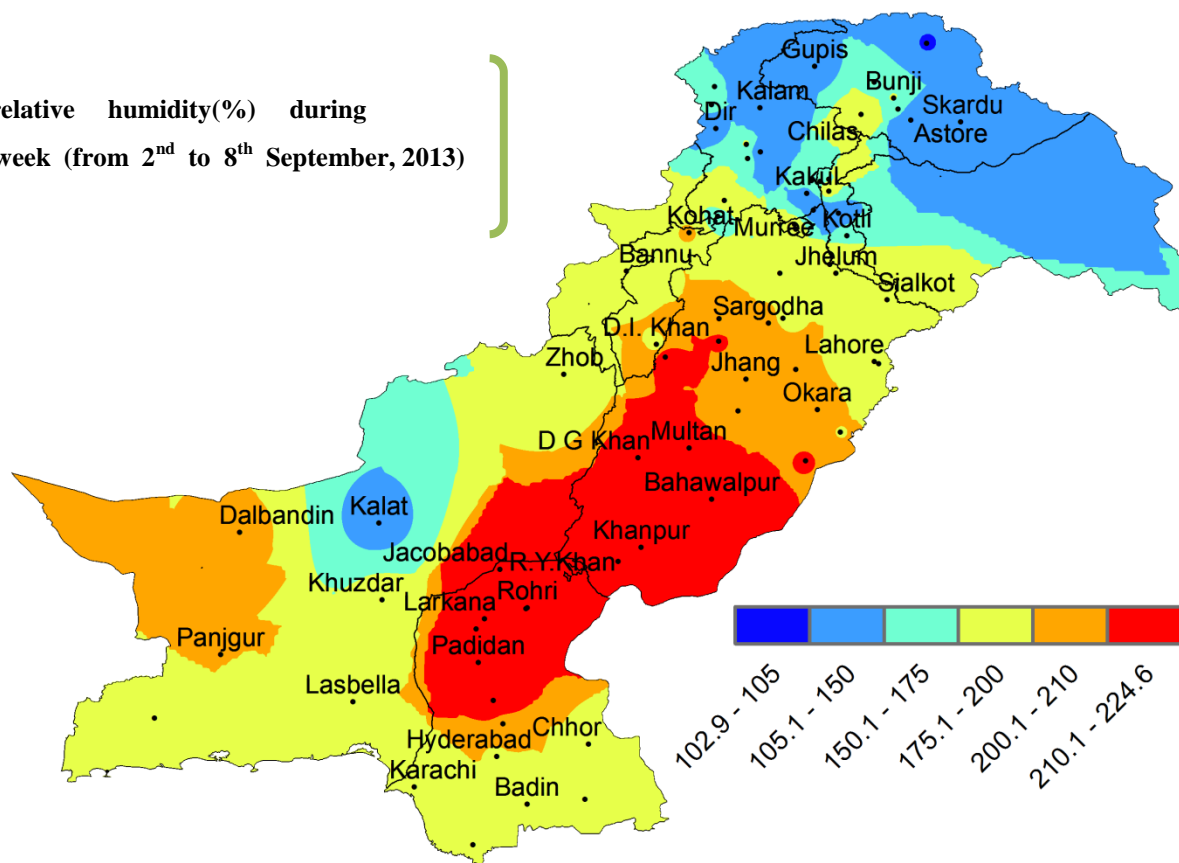
Mean maximum temperature (°C) during
the last week (from 2nd to 8th September, 2013)



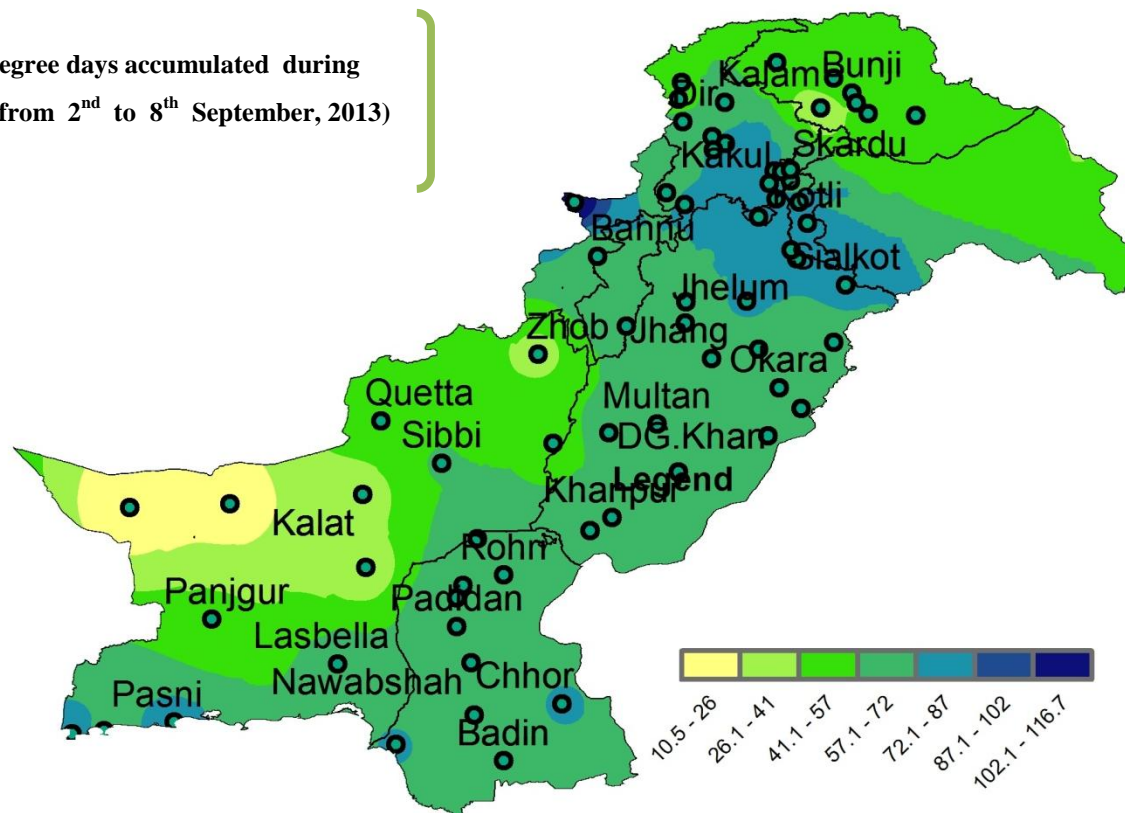
Extreme maximum temperature (°C) during
the last week (from 2nd to 8th September, 2013)



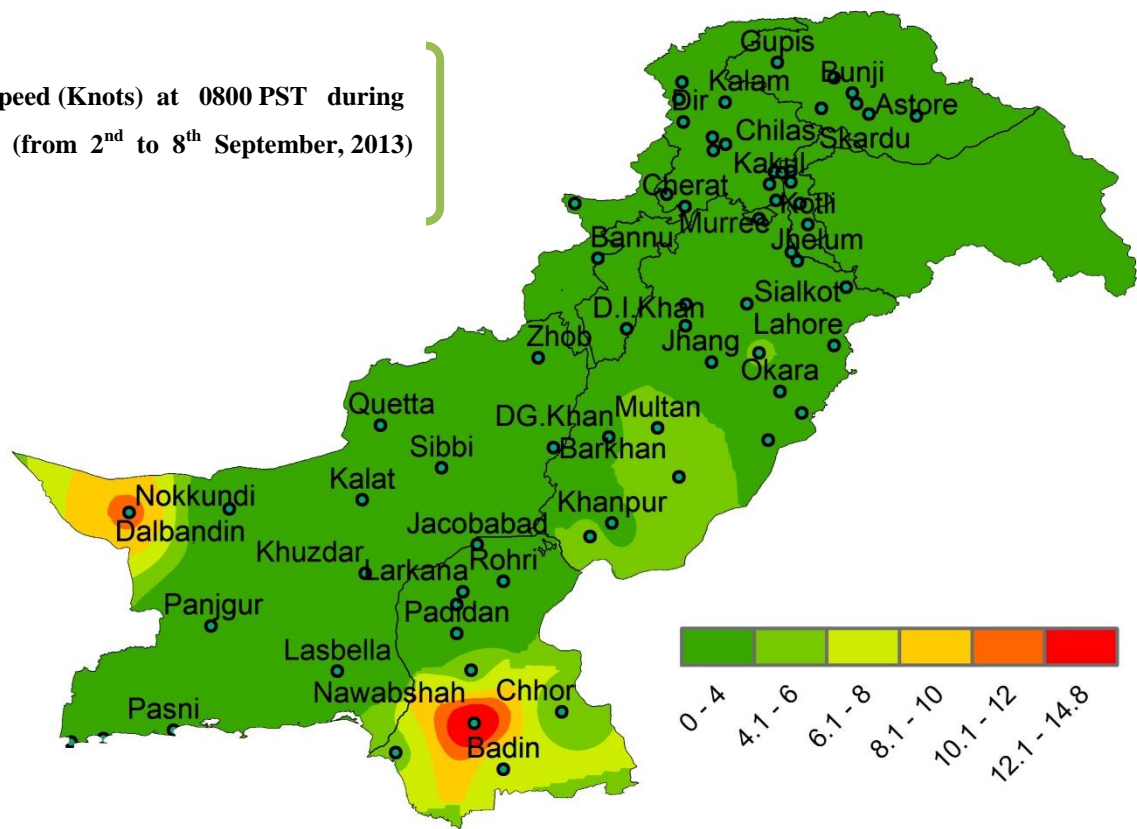
Mean relative humidity(%) during
the last week (from 2nd to 8th September, 2013)



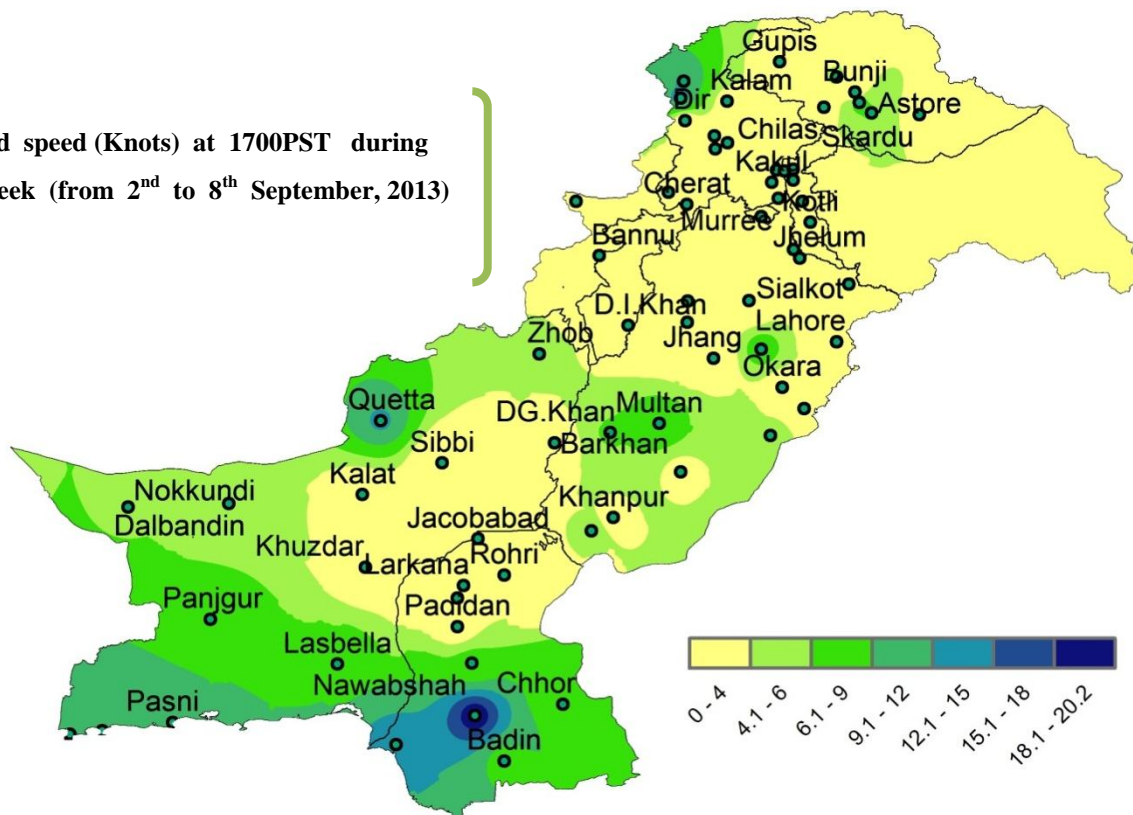
Total growing degree days accumulated during
the last week (from 2nd to 8th September, 2013)



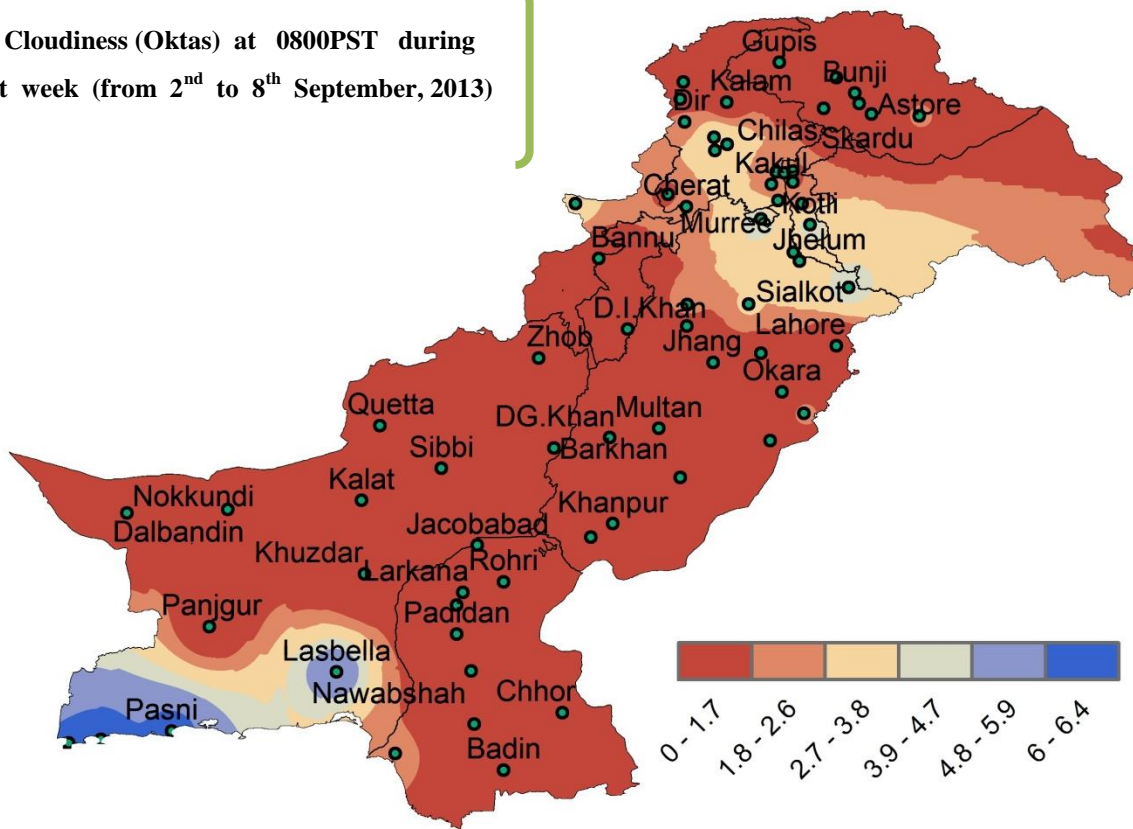
Mean wind speed (Knots) at 0800 PST during
the last week (from 2nd to 8th September, 2013)



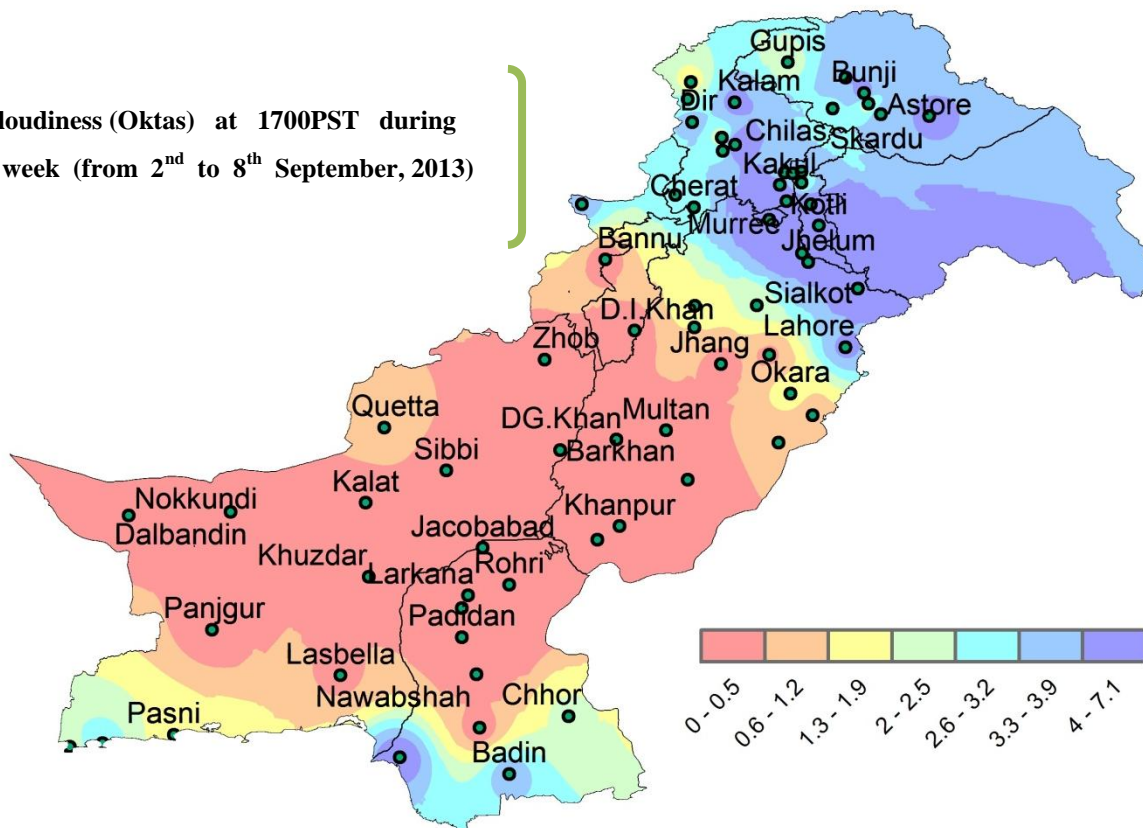
Mean wind speed (Knots) at 1700 PST during
the last week (from 2nd to 8th September, 2013)



Mean Cloudiness (Oktas) at 0800PST during the last week (from 2nd to 8th September, 2013)



Mean Cloudiness (Oktas) at 1700PST during the last week (from 2nd to 8th September, 2013)



Weekly Weather advisory for Farmers (from 9th to 15th September, 2013)

A shallow western disturbance is affecting upper parts of the country. Monsoon currents of weak intensity would continue to penetrate northeastern parts (Northeast Punjab, Hazara division and Kashmir) of the country during the week up to 3000 feet. A fresh westerly wave is likely to approach upper parts of the country on Thursday/Friday.

Punjab including Islamabad:

Mainly hot and humid weather is expected in most parts of the province during the week, however occasional rain-thundershower is likely at isolated places in Islamabad, Northeast Punjab (Rawalpindi, Gujranwala, Lahore divisions) during the week, while at scattered places on Friday/Saturday.

Khyber Pakhtunkhwa:

Mainly hot and dry weather is expected in most parts of the province during the week, however, occasional rain-thundershower is expected at isolated places in upper KP (Malakand & Hazara divisions) on Monday and also on Friday/Saturday.

Balochistan:

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

Sindh:

Mainly Hot and dry/windy weather conditions are expected in most part of the province during the week.

Kashmir:

Occasional rain-thundershower is expected at isolated places during the week and at scattered places from Thursday to Saturday.

Gilgit-Baltistan:

Mainly dry/partly cloudy weather is expected during first half of the week, whereas partly cloudy to cloudy weather conditions with chances of rain-thunderstorm at isolated places during second half of the week.

Advises for Crops:

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

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 2nd to 8th September, 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	Height							
Astore	24.6	28.1	***	45.1	2.0	1.0	4.1	0.7	6.3
Badin	33.8	34.5	171.8	68.0	0.0	1.2	3.7	6.0	7.7
Bahawalnagar	37.8	38.5	***	56.3	0.0	0.3	0.6	2.3	4.6
Bahawalpur	36.9	37.8	184.8	61.2	0.0	0.3	0.0	6.0	3.1
Balakot	31.1	32.5	***	110.3	39.1	2.2	3.4	0.3	1.0
Bannu	36.1	37.2	172.5	59.0	11.0	0.5	0.0	0.0	3.7
Barkhan	35.4	36.5	161.3	45.2	0.0	0.0	0.3	0.0	2.0
Bunji	32.3	36.2	148.6	44.9	1.2	2.2	4.9	0.0	0.3
Cherat	28.1	33.6	129.4	77.3	0.0	2.2	3.1	3.0	3.4
Chhor	35.0	36.0	172.2	73.5	0.0	0.0	2.1	4.7	6.9
Chilas	35.6	38.9	172.2	28.7	0.2	0.2	3.0	1.3	2.9
Chitral	32.7	35.7	136.5	56.7	0.0	0.0	1.1	0.0	12.6
DG.Khan	37.4	38.0	189.1	65.9	0.0	0.0	0.3	3.7	6.3
D.I.Khan	38.0	40.0	180.2	63.4	26.0	0.0	0.0	0.7	0.6
Dalbandin	38.6	43.5	168.1	18.2	0.0	0.0	0.0	1.3	4.3
Dir	31.3	32.5	129.3	68.6	8.0	2.3	3.7	0.7	1.1
Drosh	35.6	37.3	159.8	37.1	0.0	0.3	2.7	2.0	14.0
Faisalabad	36.9	37.5	185.5	58.0	0.0	1.3	1.1	2.7	3.4
Garidopatta	35.1	37.0	163.8	60.0	5.0	1.3	1.7	0.0	0.0
Gawader	31.7	32.0	***	70.1	0.0	6.4	2.9	0.0	12.0
Gilgit	33.8	36.5	130.7	57.6	0.1	0.3	4.0	0.7	4.3

Gupis	33.8	35.0	120.3	40.6	18.1	0.0	2.0	0.3	1.4
Hyderabad	29.1	33.2	176.5	66.1	5.0	0.0	0.0	14.8	20.3
Islamabad	32.8	34.2	159.6	75.9	66.5	4.7	4.0	0.3	0.3
Jacobabad	35.8	36.5	182.8	70.2	0.0	0.0	0.0	1.0	1.7
Kakul	28.9	30.0	124.6	74.1	53.0	2.3	4.4	0.0	1.4
Kalam	24.9	26.0	106.4	65.3	3.0	0.0	4.4	0.3	2.5
Kalat	31.4	33.0	114.0	32.6	0.0	0.0	0.0	0.0	2.0
Karachi	32.1	32.8	169.2	73.2	0.1	2.0	4.7	5.6	13.7
Khanpur	37.1	37.3	180.7	66.5	0.1	1.6	0.0	3.6	3.4
Khuzdar	34.1	35.5	***	26.5	0.0	0.0	0.3	1.3	2.6
Kotli	32.3	33.3	***	71.3	33.0	4.5	5.4	2.0	1.9
Lahore	35.2	36.0	176.2	67.9	27.0	0.0	4.1	3.3	2.6
Larkana	37.3	37.5	185.8	69.2	0.0	2.0	0.0	2.3	4.0
Lasbella	36.9	37.5	181.3	62.2	49.0	5.8	0.3	0.4	8.0
Lower Dir	34.1	35.5	***	67.4	26.0	4.2	1.5	1.2	2.0
M.B Din	21.6	22.0	172.6	76.3	30.1	2.8	2.3	0.4	0.9
Malam Jabba	35.0	36.6	126.3	77.6	10.0	3.2	5.9	0.0	0.0
Mangla	34.0	35.2	165.5	71.7	12.0	3.0	3.9	2.4	4.6
Mir Khani	35.1	36.5	***	38.5	0.0	0.6	1.1	1.4	8.0
Moinjodaro	36.5	37.5	185.0	60.0	0.0	0.0	0.0	3.2	2.9
Multan	36.6	37.3	186.0	63.5	0.0	1.2	0.3	6.0	8.9
Murree	21.4	23.2	90.6	80.8	49.0	2.6	7.1	2.0	0.3
Muzaffarabad	33.7	35.4	158.4	59.0	0.0	3.0	3.0	0.8	0.6
Nokkundi	40.7	42.5	***	10.5	0.0	0.0	0.0	10.4	5.7
Noorpurthal	39.2	40.5	**	61.6	0.0	0.6	1.1	0.0	0.6

Okara	36.7	37.5	184.9	62.1	0.0	0.0	1.6	1.6	2.6
Padidan	37.1	38.0	***	70.0	0.0	0.0	0.0	2.0	2.0
Panjgur	37.8	39.0	***	43.5	19.0	0.6	0.0	0.0	7.7
Parachinar	24.9	26.0	***	116.9	0.0	3.4	3.7	1.8	2.9
Pasni	31.6	32.0	129.3	77.1	0.0	6.3	1.6	2.0	10.3
Pattan	35.6	36.0	***	48.9	1.1	1.2	3.4	1.2	2.0
Peshawar	35.5	37.0	170.9	63.7	0.0	1.4	2.6	0.4	3.7
Quetta	32.3	34.0	***	24.0	0.0	0.0	0.3	4.1	6.1
R.Y.Khan	39.5	40.2	190.6	61.7	8.0	0.8	0.0	4.4	4.6
Rawalakot	27.1	29.0	112.9	84.0	35.2	2.2	4.7	0.8	2.3
Rohri	38.6	39.5	192.0	59.9	0.0	0.0	0.0	3.0	2.3
Sahiwal	36.0	36.5	177.8	67.9	0.0	2.0	0.6	1.6	3.4
Saidu Sharif	32.0	33.2	148.4	72.8	48.0	3.2	2.9	0.0	0.6
Sialkot	33.2	34.2	164.7	74.7	62.2	4.4	4.6	0.4	0.6
Sibbi	39.6	40.0	194.3	58.5	0.0	0.0	0.0	0.0	0.0
Skardu	29.5	33.4	106.5	47.0	0.1	1.8	4.1	0.0	2.6
Zhob	35.4	36.0	159.3	35.8	0.0	0.0	0.0	2.0	5.0

“***” Data not available