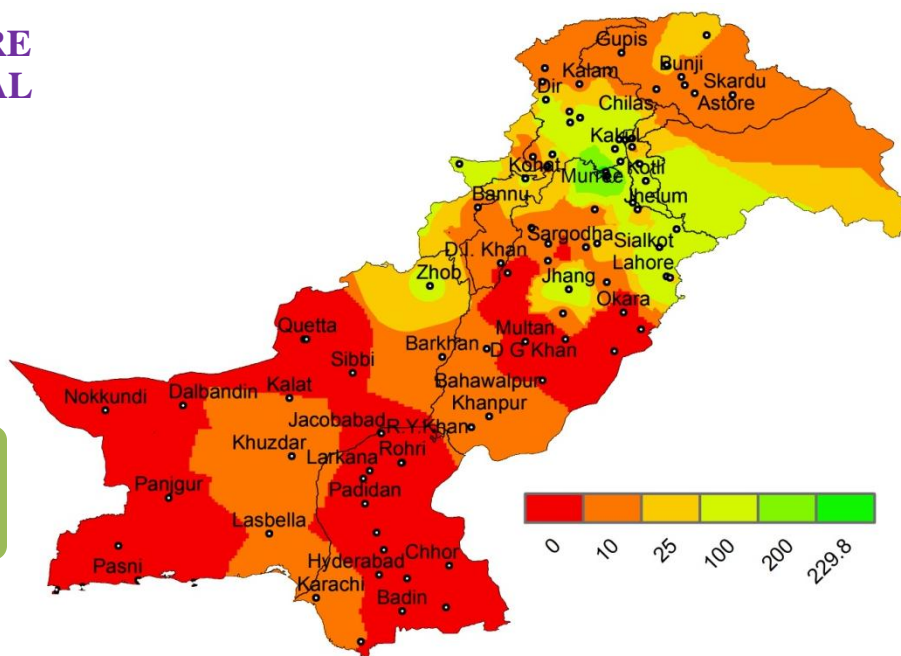


Weekly Weather and Crop Bulletin for Pakistan

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PAKISTAN METEOROLOGICAL
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Rainfall distribution(mm) during the Last week (from 26th August to 1st September, 2013)

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

Highlights of Past Weather (from 26th August to 1st September, 2013)

Light to Moderate rainfall with isolated heavy spells reported from a few places in the Punjab Province. Light to Moderate rainfall reported from a number of places in places in the Khyber Pakhtunkhwa Province and Gilgit Baltistan & Kashmir regions. Light to Moderate rainfall reported from a few places in the Balochistan Province while “Trace” rainfall reported from a single station in the Sindh Province during the week.

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Chief Editor: *Dr. Khalid Mahmood Malik (Director)*
Editor: *Tahir Mehmood (Assistant Meteorologist)*

Punjab

Light to Moderate rainfall with isolated heavy spells reported from a few places in the Punjab Province. Weekly maximum temperature and minimum temperature recorded as 36.1°C & 25.8°C respectively. For the present season on average 181.4 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 2.8/3.6 Knots. During the previous week highest amount of rainfall reported at Islamabad(Saidpur) as 240 mm and extreme maximum temperature recorded as 41.7°C at the Noorpur Thal.

Sindh

“Trace”(0.1mm) rainfall reported from a single station i.e Karachi in the Sindh Province during the week. Weekly maximum temperature and minimum temperature recorded as 36.2°C & 25.9°C respectively. For the present season on average 182.4 growing degree days accumulated by the end of last week. Average relative humidity recorded as 66% and wind speed in the morning/evening recorded as 5.7/7.6 Knots. Extreme maximum temperature recorded as 41.0°C at Sukkur.

Khyber Pakhtunkhwa

Light to Moderate rainfall reported from a number of places in places in the Khyber-Pakhtunkhwa Province during the week. Weekly maximum temperature and minimum temperature recorded as 32.5°C & 20.4°C respectively. For the present season on average 152.3 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 0.5/3.7 Knots. During the previous week the highest rainfall recorded at Balakot as 75.1mm and

extreme maximum temperature recorded as 40.0°C at D.I Khan.

Balochistan

Light to Moderate rainfall reported from a few places in the Balochistan Province. Weekly maximum temperature and minimum temperature recorded as 35.9°C & 22.3°C respectively. For the present season on average 165.5 growing degree days accumulated by the end of last week. Average relative humidity recorded as 49% and wind speed in the morning/evening recorded as 1.7/5.8 Knots. During the previous week highest amount of rainfall reported at Zhob as 28.0mm and extreme maximum temperature recorded as 43.0°C at Dalbandin.

Gilgit Baltistan and Azad Jammu & Kashmir

Light to Moderate rainfall reported from a number of places in places in the Gilgit Baltistan & Kashmir regions during the the week. Weekly maximum temperature and minimum temperature recorded as 31.2°C & 19.2°C respectively. For the present season on average 138.8 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 1.9/2.2 Knots. During the previous week the highest rainfall recorded at Muzaffarabad as 69.1 mm and extreme maximum temperature recorded as 43.3°C at Chilas.

Past Weather for Major Agricultural-Plains (from 26th August to 1st September, 2013)

Rawalpindi (Potohar region)

Rainfall reported as 72.8mm during the week, however loudness in the morning/evening 2.9/2.4 Oktas while average relative humidity observed as 84%. Mean day time temperature recorded as 34.4°C & for the present season 163.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/2.4 Km/h.

Faisalabad (Central Punjab)

No rainfall reported during the week, however cloudiness in the morning/evening as 0.6/1.4 Oktas while average relative humidity observed as 60%. Mean day time temperature recorded as 37.0°C & for the present season 190.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.7/2.7 Km/h.

Tandojam (Lower Sindh)

No rainfall reported during the week, however cloudiness in the morning/evening as 0.0/0.3 Oktas while average relative humidity observed as 72.5%. Mean day time temperature recorded as 33.8°C & for the present season 171.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.8/6.3 Km/h.

Quetta (Northern Balochistan)

No rainfall reported during the week however cloudiness in the morning/evening as 0.4/2.7 Oktas while average relative humidity observed as 27.0%. Mean day time temperature observed as 32.8°C & for the present season 141.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.8/6.1 Km/h.

Usta Muhammad (Eastern Balochistan)

No rainfall reported during the week, however cloudiness in the morning/evening as

0.6/0.8 Oktas while average relative humidity observed as 69%. Mean day time temperature recorded as 35.7°C & for the present season 180.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.2/0.4 Km/h.

Past Weather for Sub Regional Agricultural-Plains (from 26th August to 1st September, 2013)

Rohri

No rainfall reported during the week, however cloudiness in the morning/evening as 0.3/0.7 Oktas while average relative humidity observed as 58%. Mean day temperature recorded as 38.3°C & for the present season 195.1 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 3.4/3.4 Knots.

Multan

No rainfall reported during the week, however cloudiness in the morning/evening as 1.6/0.3 Oktas while average relative humidity observed as 63%. Mean day time temperature recorded as 36.8°C & for the present season 191.5 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 9.1/9.1 Knots.

Lahore

Rainfall reported as 58.0mm during the week however, cloudiness in the morning/evening as 1.7/3.4 Oktas while average relative humidity observed as 68%. Mean day time temperature recorded as 34.3°C & for the present season 186.5 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 2.0/2.9 Knots.

Zhob

Rainfall reported as 28.0mm during the week however, cloudiness in the morning/evening as 0.3/2.0 Oktas while average relative humidity observed as 36%. Mean day temperature recorded as 36.0°C & for the present season 164.9 growing degree days accumulated by the end of last

week. Wind recorded in the morning/evening as 1.4/8.4 Knots.

D.I. Khan

No rainfall reported during the week however cloudiness in the morning/evening as 1.3/0.3 Oktas while average relative humidity observed as 64%. Mean day temperature 38.6°C & for the present season 192.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/2.0 Knots.

Peshawar

Rainfall reported as 0.2mm during the week however cloudiness in the morning/evening as 3.0/2.7 Oktas while average relative humidity observed as 66%. Mean day temperature recorded as 35.1°C & for the present season 183.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/1.0 Knots.

Murree

Rainfall reported as 30.0mm during the week however cloudiness in the morning/evening as 4.4/6.1 Oktas while average relative humidity observed as 88%. Mean day temperature recorded as 22.5°C & for the present season 97.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/0.3 Knots.

Kalam

Rainfall reported as 7.0mm during the week, however cloudiness in the morning/evening as 3.7/4.7 Oktas while average relative humidity observed as 69%. Mean day temperature recorded as 29.2°C & for the present season 116.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.9 Knots.

Gilgit

Rainfall reported as 14.2mm during the week, however cloudiness in the morning/evening as 5.4/5.9 Oktas while average relative humidity observed as 70%. Mean day temperature recorded as 31.9°C & for the present season 137.9 growing

degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 0.0/3.4 Knots.

Skardu

Rainfall reported as 0.2mm during the week, however cloudiness in the morning/evening as 3.3/5.7 Oktas while average relative humidity observed as 45%. Mean day temperature recorded as 29.7°C & for the present season 119.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 14.0/1.7 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 *Emergence* 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)

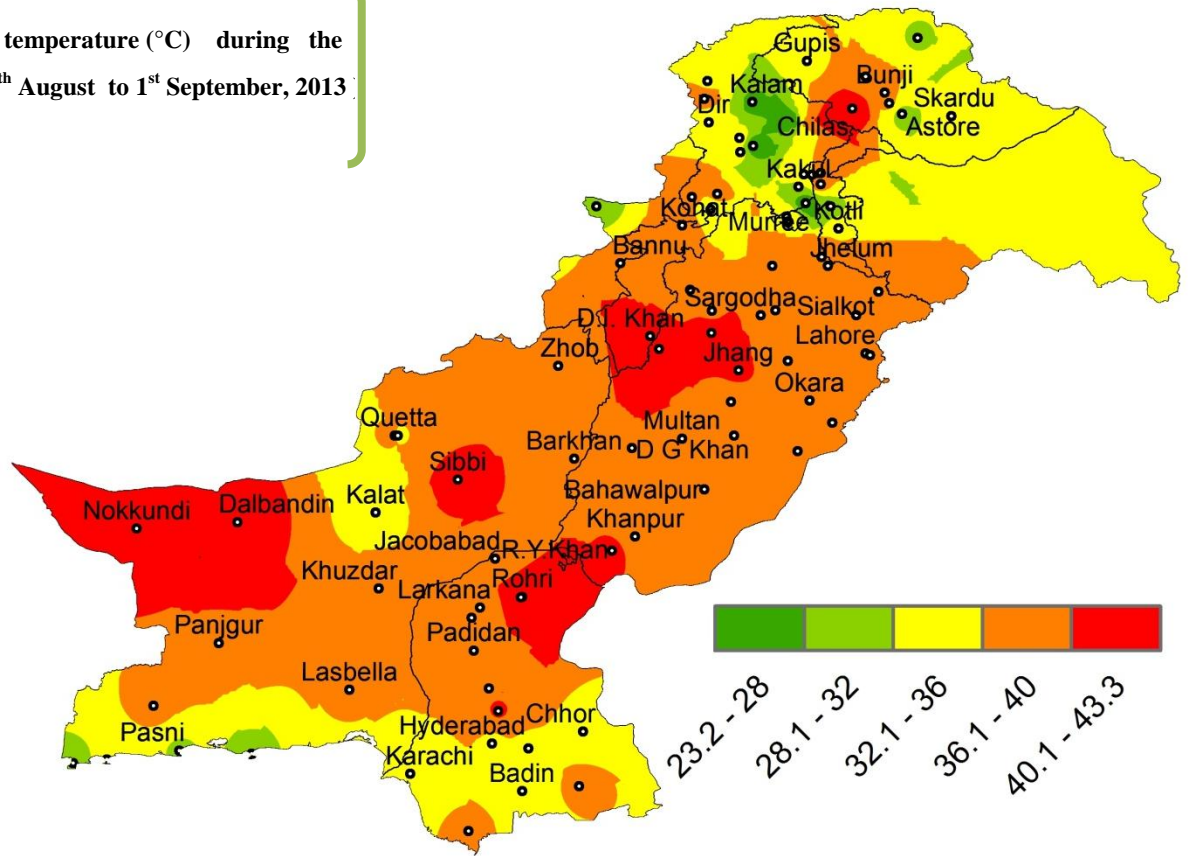
There is presently no crop in the fields.

Eastern Balochistan (Usta Muhammad)

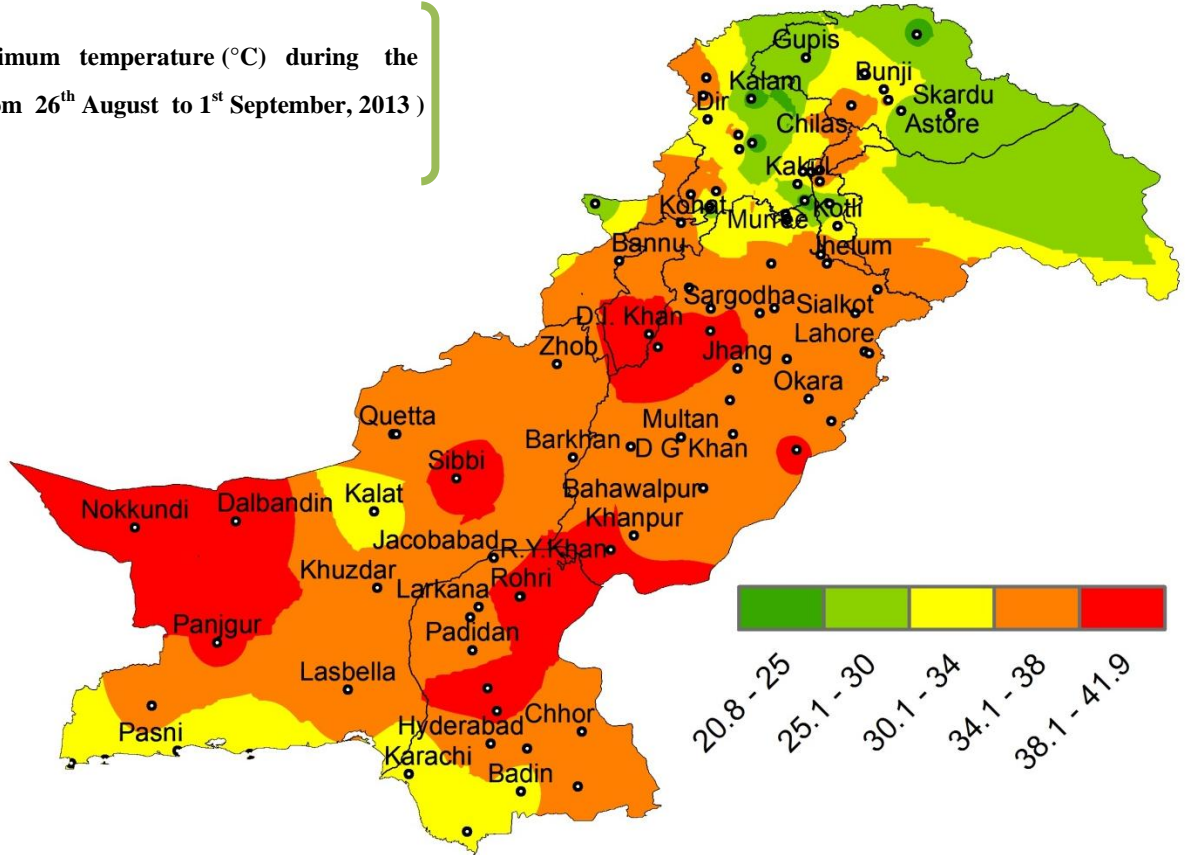
There is only one crop (irrigated conditions) grown in the fields as detailed below.

Rice: Good condition at *Shooting* stage almost completed.

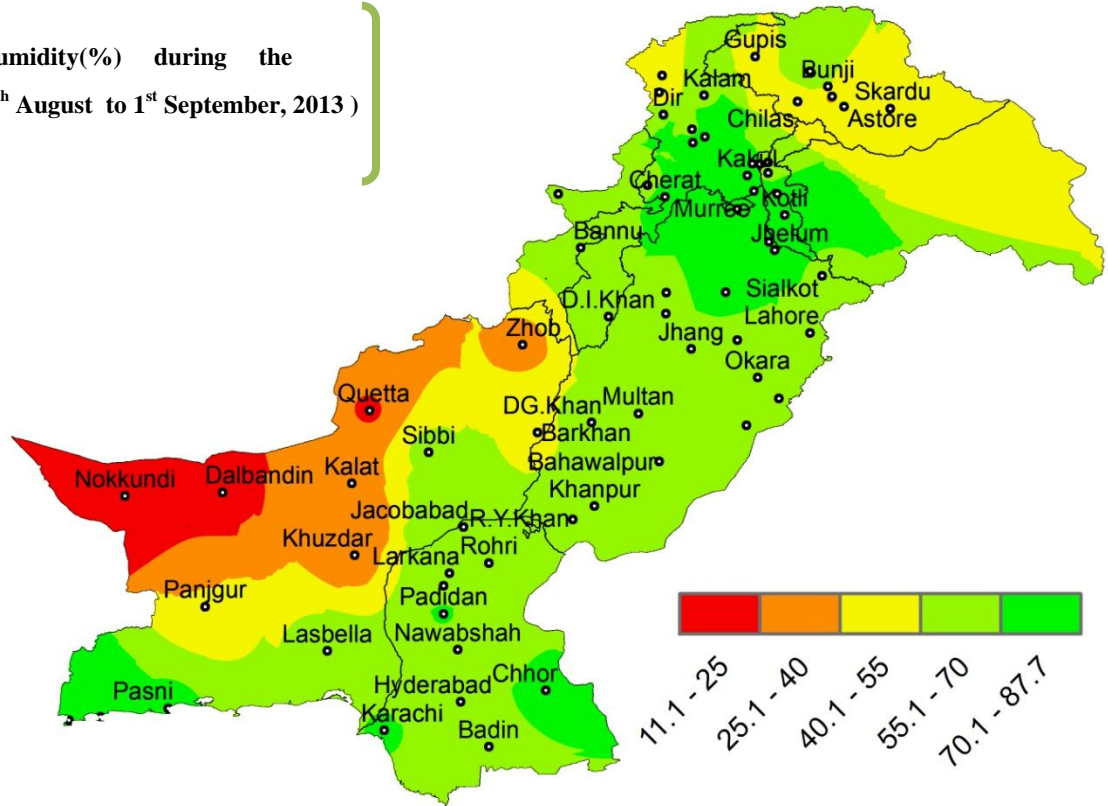
Mean maximum temperature (°C) during the Last week (from 26th August to 1st September, 2013)



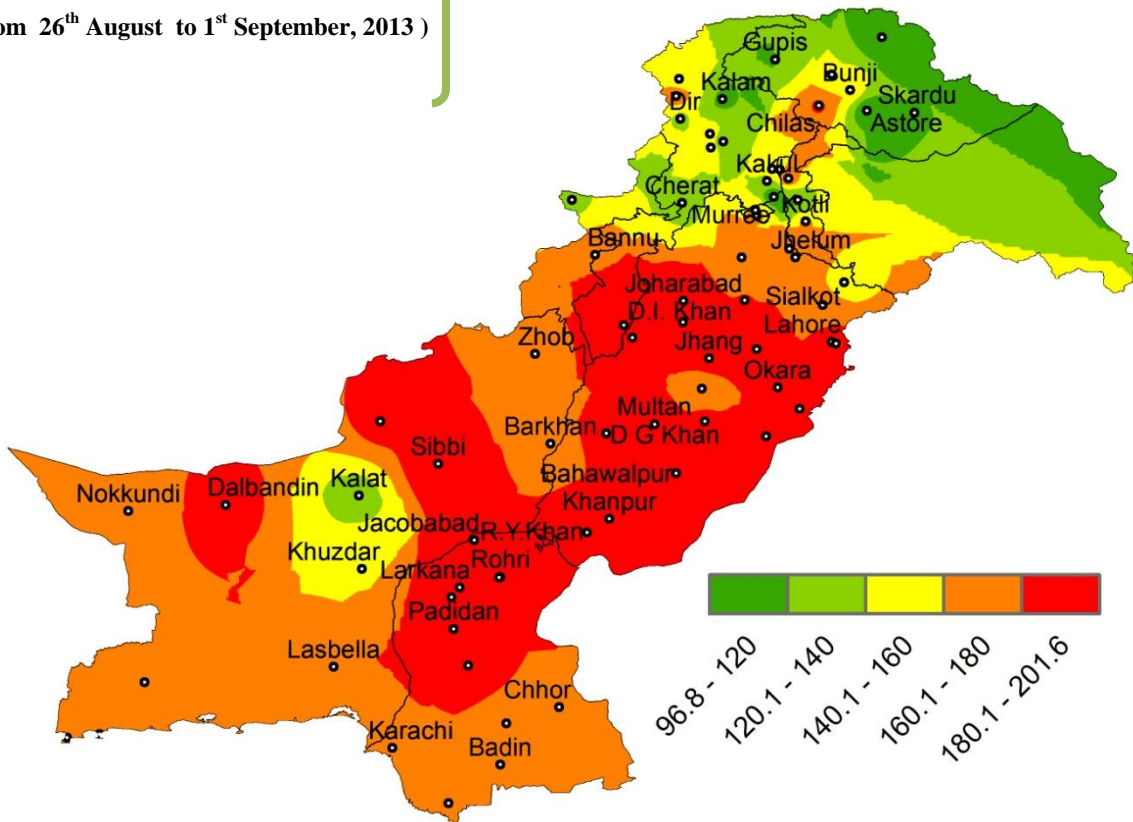
Extreme maximum temperature (°C) during the Last week (from 26th August to 1st September, 2013)



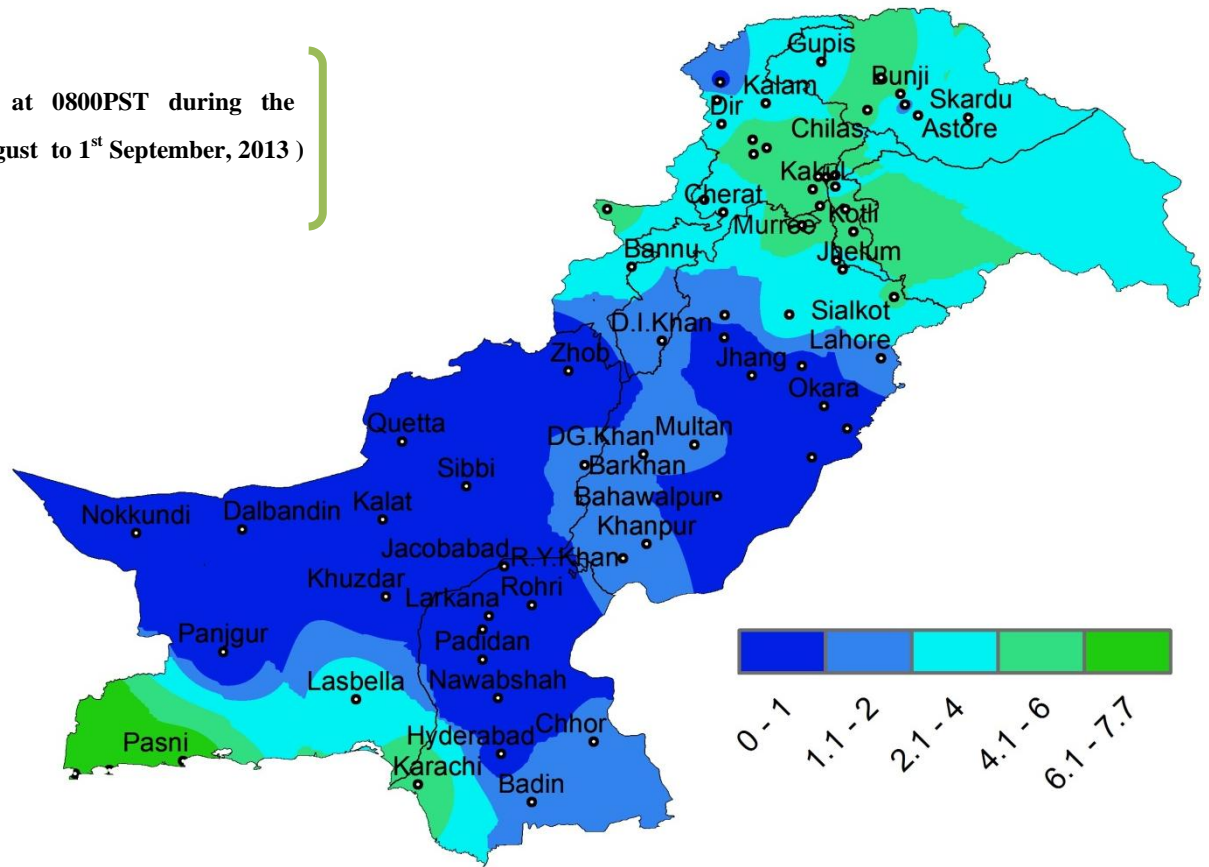
Mean relative humidity(%) during the Last week (from 26th August to 1st September, 2013)



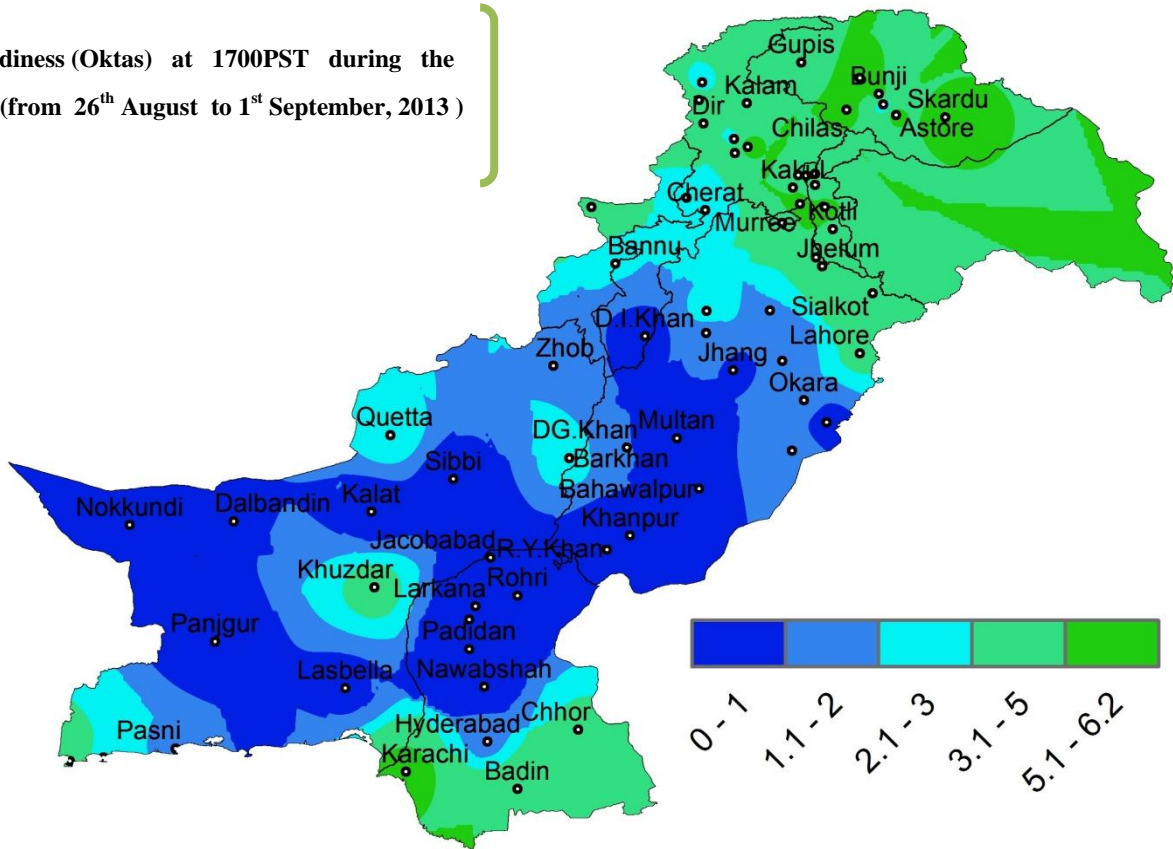
Total growing degree days accumulated during the Last week (from 26th August to 1st September, 2013)



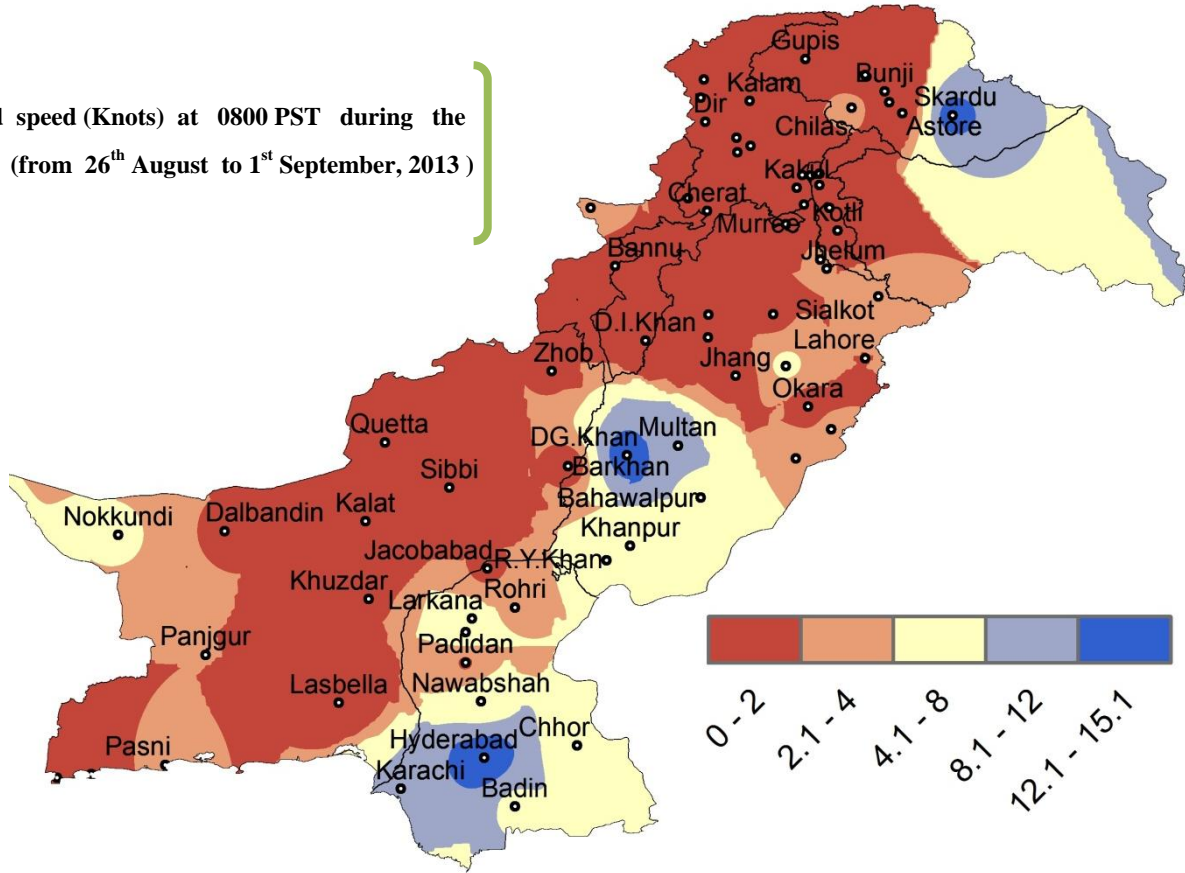
Mean Cloudiness (Oktas) at 0800PST during the Last week (from 26th August to 1st September, 2013)



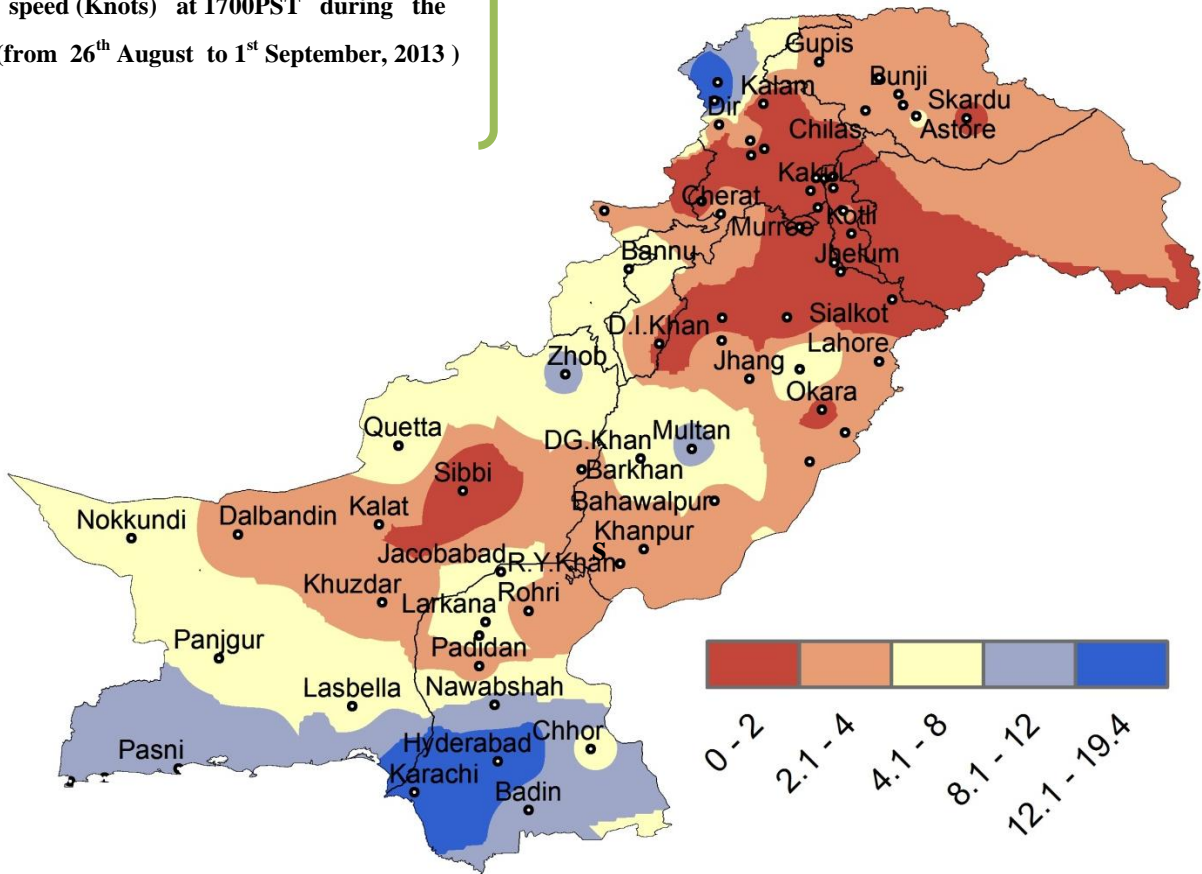
Mean Cloudiness (Oktas) at 1700PST during the Last week (from 26th August to 1st September, 2013)



Mean wind speed (Knots) at 0800 PST during the Last week (from 26th August to 1st September, 2013)



Mean wind speed (Knots) at 1700PST during the Last week (from 26th August to 1st September, 2013)



Weekly Weather advisory for Farmers (from 2nd to 8th September, 2013)

A shallow westerly trough is prevailing over upper parts of the country and likely to move eastward in next 24 hours. Weak monsoonal currents from Arabian Sea would continue to penetrate into central & upper parts of the country up to 3000 feet during next 4 to 5 days and with moderate intensity during the weekend.

Punjab including Islamabad:

Mainly hot & humid weather is expected in most parts of the province during the week. However rain-thundershower is expected at isolated places of Islamabad, northeast Punjab (Rawalpindi, Gujranwala, Lahore divisions) during next 4 – 5 days. Scattered rain/thundershower is also expected in Islamabad, northeast Punjab (Rawalpindi, Gujranwala, Lahore and Sargodha divisions) during the weekend.

Khyber Pakhtunkhwa:

Mainly hot and humid weather is expected in most parts of the province during the week, however rain-thunderstorm is expected at isolated places in upper KP (Malakand & Hazara divisions) on Monday & Tuesday. Scattered rain/thundershower is also expected in upper KP (Malakand, Hazara, Peshawar divisions) during the weekend.

Balochistan:

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

Sindh:

Mainly hot & dry weather is expected in most part of the province during the week, however, partly

cloudy weather conditions with chances of isolated rain-thunderstorm is expected in Southeastern/Lower Sindh on Wednesday/Thursday.

Kashmir:

Rain-thundershower is expected at isolated places of Kashmir during next 4 – 5 days. Scattered rain/thundershower is also expected in Kashmir during the weekend.

Gilgit-Baltistan:

Partly cloudy to cloudy weather conditions with chances of rain-thunderstorm is expected at isolated places of GB during Monday and Tuesday. Fair/Partly cloudy weather is expected in most parts of the Gilgit-Baltistan from Wednesday to Sunday.

Advices 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 upper half of the country.

National Weather Data of Selected Cities
(Weekly Data from 26th August to 1st 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	Heighst							
Astore	25.3	29.7	101.9	54	2.0	4.0	5.6	0.6	4.3
Badin	33.6	34.0	170.6	67	0.0	1.7	5.0	7.1	8.3
Bahawalnagar	38.3	39.8	195.1	57	0.0	0.0	1.7	3.7	2.9
Bahawalpur	37.8	39.5	192.4	58	0.0	0.0	0.9	6.0	3.1
Balakot	31.9	33.6	150.2	73	75.1	5.3	4.6	0.0	0.7
Bannu	36.9	39.4	179.5	62	4.0	2.3	2.0	0.9	6.3
Barkhan	35.4	36.5	165.3	50	1.0	1.3	2.4	0.6	2.9
Bunji	32.4	37.4	159.8	58	7.1	4.9	5.9	0.9	2.3
Cherat	28.3	32.0	132.9	76	8.0	3.4	2.6	2.0	4.0
Chhor	34.6	35.1	172.1	73	0.0	1.1	3.4	5.4	7.4
Chilas	35.8	43.3	182.4	40	1.3	4.4	5.6	2.9	2.6
Chitral	34.4	35.5	150.2	56	0.0	0.6	2.6	0.0	12.9
DG.Khan	37.4	40.0	189.5	66	0.0	1.0	1.0	14.1	5.4
D.I.Khan	38.8	40.0	192.1	64	0.0	1.3	0.3	0.3	2.0
Dalbandin	41.9	43.0	190.7	22	0.0	0.0	0.9	1.7	2.9
Dir	30.8	33.0	134.9	72	31.0	3.9	4.3	0.0	1.6
Drosh	35.8	37.5	171.3	40	0.0	2.7	3.9	0.0	14.7
Faisalabad	37.0	38.6	190.0	63	0.0	0.7	1.0	4.6	7.1
Garidopatta	34.6	37.0	171.0	64	5.0	3.4	2.9	0.0	0.0
Gawader	31.7	32.5	162.7	71	0.0	7.7	2.9	0.9	11.4
Gilgit	31.5	36.5	137.9	70	14.2	5.4	5.9	0.0	3.4

Gupis	28.2	34.5	119.1	52	1.0	3.0	3.3	0.9	4.0
Hyderabad	34.6	35.0	***	65	0.0	0.7	1.7	15.1	19.4
Islamabad	33.2	35.2	160.6	79	240.0	4.5	3.9	0.7	1.1
Jacobabad	36.4	38.5	188.6	69	0.0	0.7	0.0	1.4	4.6
Jhang	37.8	40.5	189.5	64	64.0	0.0	0.9	0.9	2.6
Jhelum	35.7	37.4	177.7	71	2.0	3.0	3.7	2.0	0.9
Jiwani	30.7	31.0	160.6	75	0.0	7.4	3.6	2.0	8.3
Joharabad	37.4	39.5	194.1	69	0.0	1.3	2.4	0.6	1.4
Kakul	29.1	31.0	132.5	77	67.0	4.1	4.7	0.0	0.9
Kalam	24.3	27.0	116.4	69	7.0	3.7	4.7	0.0	0.9
Kalat	32.4	34.0	129.8	35	0.0	0.0	0.0	0.0	2.0
Karachi	31.9	32.5	168.5	71	0.1	5.7	5.7	8.6	13.7
Khanpur	37.3	38.6	187.2	65	0.1	1.1	0.4	4.9	2.9
Khuzdar	35.3	37.5	157.0	33	2.0	0.3	3.7	1.4	2.9
Kotli	33.0	35.5	162.4	74	52.0	5.7	4.6	0.9	1.9
Lahore	37.0	38.3	178.2	68	58.0	1.7	3.4	2.0	2.9
Larkana	37.6	38.5	192.6	70	0.0	0.0	0.3	4.6	4.6
Lasbella	36.2	37.0	179.7	64	0.0	2.9	0.4	0.0	7.7
Lower Dir	35.9	36.5	153.5	66	12.0	4.3	2.4	0.3	4.0
Malam Jabba	20.6	23.0	117.3	81	40.0	4.3	6.3	0.0	0.0
M.B Din	35.9	37.5	180.3	77	26.0	3.1	1.9	1.4	0.0
Mangla	35.3	37.1	172.9	76	69.0	3.7	3.4	2.3	1.4
Mir Khani	35.6	37.0	***	34	0.0	0.6	1.6	0.0	3.3
Moinjodaro	36.9	39.3	187.7	62	0.0	0.9	0.3	5.4	4.6
Multan	37.1	39.3	191.5	63	0.0	1.6	0.3	9.1	9.1

Murree	22.4	24.0	97.9	88	30.0	4.4	6.1	1.4	0.3
Muzaffarabad	33.7	36.5	159.2	73	69.1	5.7	4.3	0.0	0.0
Nokkundi	41.5	42.5	166.1	11	0.0	0.0	0.0	4.3	6.0
Okara	37.0	38.5	188.6	66	0.0	0.7	1.9	0.9	1.4
Padidan	37.2	38.0	186.3	72	0.0	0.3	0.4	1.7	2.6
Panjgur	38.7	39.5	***	41	0.0	0.0	0.0	2.0	7.3
Parachinar	27.8	28.6	135.0	65	59.0	5.0	4.7	3.1	3.3
Pasni	31.4	31.5	139.6	74	0.0	6.7	1.4	2.6	10.0
Quetta	35.1	36.5	***	24	0.0	0.3	3.0	0.0	6.8
R.Y.Khan	39.4	40.6	193.7	60	0.0	1.4	0.0	6.3	3.4
Rawalakot	27.4	29.5	117.3	85	32.0	5.1	5.6	0.0	2.3
Rohri	38.6	40.5	195.1	58	0.0	0.3	0.7	3.4	3.4
Sibbi	39.7	42.0	202.0	60	0.0	0.0	0.0	0.0	0.0
Skardu	29.2	33.6	119.6	45	0.2	3.3	5.7	14.0	1.7
Zhob	35.7	38.0	164.9	36	28.0	0.3	2.0	1.4	8.4

*** Data not available