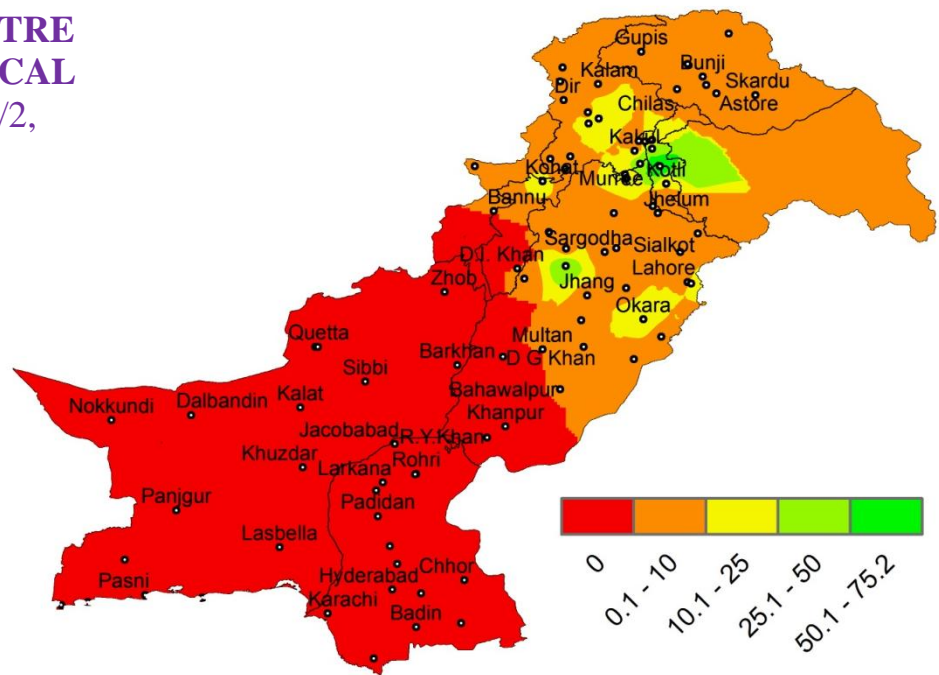


# Weekly Weather and Crop Bulletin for Pakistan

**NATIONAL AGROMET CENTRE  
PAKISTAN METEOROLOGICAL  
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**Rainfall distribution (mm) during the  
Last week (from 19<sup>th</sup> to 25<sup>th</sup> August, 2013)**



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### Highlights of Past Weather (from 19<sup>th</sup> to 25<sup>th</sup> August, 2013)

Light to Moderate rainfall reported from a number of places in the Punjab, Khyber Pakhtunkhwa Provinces and Gilgit Baltistan & Kashmir regions while no rainfall reported from the Balochistan and the Sindh Provinces during the week.

Pattern-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 a number of places in the Punjab Province during the week. Weekly maximum temperature and minimum temperature recorded as 36.1°C & 26.0°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 70% and wind speed in the morning/evening recorded as 1.7/1.7 Knots. During the previous week highest amount of rainfall reported at Murree as 45 mm and extreme maximum temperature recorded as 41.4°C at the Rahim Yar Khan.

### **Sindh**

No rainfall reported from the Sindh Province during the week. Weekly maximum temperature and minimum temperature recorded as 36.8°C & 26.2°C respectively. For the present season on average 185.6 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 5.8/6.3 Knots. Extreme maximum temperature recorded as 41.5°C at Dadu.

### **Khyber Pakhtunkhwa**

Light to Moderate rainfall reported from a number of places in the Khyber Pakhtunkhwa Province during the week. Weekly maximum temperature and minimum temperature recorded as 31.9°C & 19.9°C respectively. For the present season on average 141.6 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 0.5/2.2 Knots. During the previous week the highest rainfall recorded at Malam Jabba as 24.0mm and extreme maximum temperature recorded as 39.8°C at D.I Khan.

### **Balochistan**

No rainfall reported from the Balochistan Province during the week. Weekly maximum temperature and minimum temperature recorded as 35.9°C & 22.5°C respectively. For the present season on average 170.8 growing degree days accumulated by the end of last week. Average relative humidity recorded as 48% and wind speed in the morning/evening recorded as 2.5/5.4 Knots. Extreme maximum temperature recorded as 43.5 °C at Dalbandin.

### **Gilgit Baltistan and Azad Jammu & Kashmir**

Light to Moderate rainfall reported from a number of places in the Gilgit Baltistan & Kashmir regions during the the week. Weekly maximum temperature and minimum temperature recorded as 31.5°C & 18.7°C respectively. For the present season on average 139.1 growing degree days accumulated by the end of last week. Average relative humidity recorded as 63% and wind speed in the morning/evening recorded as 1.8/2.0 Knots. During the previous week the highest rainfall recorded at Rawalakot as 76.0 mm and extreme maximum temperature recorded as 39.6°C at Chilas.

## **Past Weather for Major Agricultural Plains (from 19<sup>th</sup> to 25<sup>th</sup> August, 2013)**

### **Rawalpindi (Potohar region)**

Rainfall reported as 3.0mm during the week however cloudiness in the morning/evening 1.8/1.4 Oktas while average relative humidity observed as 71%. Mean day time temperature recorded as 34.1°C & for the present season 165.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.3/2.8 Km/h.

### **Faisalabad (Central Punjab)**

Rainfall reported as 30.9mm during the week however cloudiness in the morning/evening as 0.4/4.6 Oktas while average relative humidity observed as 66%. Mean day time temperature recorded as 36.6°C & for the present season 186.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/2.3 Km/h.

### **Tandojam (Lower Sindh)**

No rainfall reported during the week, however cloudiness in the morning/evening as 0.0/0.4 Oktas while average relative humidity observed as 65%. Mean day time temperature recorded as 36.0°C & for the present season 179.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.4/0.7 Km/h.

### **Quetta (Northern Balochistan)**

No rainfall reported during the week however cloudiness in the morning/evening as 0.7/1.8 Oktas while average relative humidity observed as 25%. Mean day time temperature observed as 32.9°C & for the present season 142.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/5.7 Km/h.

### **Usta Muhammad (Eastern Balochistan)**

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

0.0/0.0 Oktas while average relative humidity observed as 63%. Mean day time temperature recorded as 38.8°C & for the present season 198.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.2 Km/h.

## **Past Weather for Sub Regional Agricultural Plains (from 19<sup>th</sup> to 25<sup>th</sup> August, 2013)**

### **Rohri**

No rainfall reported during the week, however cloudiness in the morning/evening as 0.0/0.0 Oktas while average relative humidity observed as 61%. Mean day temperature recorded as 37.8°C & for the present season 193.9 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 2.3/3.0 Knots.

### **Multan**

No rainfall reported during the week, however cloudiness in the morning/evening as 0.3/2.1 Oktas while average relative humidity observed as 61%. Mean day time temperature recorded as 38.3°C & for the present season 200.2 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 3.4/4.0 Knots.

### **Lahore**

Rainfall reported as 16.1mm during the week however, cloudiness in the morning/evening as 3.9/4.2 Oktas while average relative humidity observed as 78%. Mean day time temperature recorded as 34.3°C & for the present season 176.3 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 0.0/1.3 Knots.

### **Zhob**

No rainfall reported during the week however, cloudiness in the morning/evening as 0.0/2.9 Oktas while average relative humidity observed as 36%. Mean day temperature recorded as 34.9°C & for the present season 162.9 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 2.9/7.9 Knots.

**D.I. Khan**

No rainfall reported during the week however cloudiness in the morning/evening as 1.0/0.8 Oktas while average relative humidity observed as 60%. Mean day temperature 38.5°C & for the present season 188.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.7 Knots.

**Peshawar**

Rainfall reported as 2.0mm during the week however cloudiness in the morning/evening as 2.4/0.6 Oktas while average relative humidity observed as 67%. Mean day temperature recorded as 35.8°C & for the present season 187.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/1.2 Knots.

**Murree**

Rainfall reported as 45.0mm during the week however cloudiness in the morning/evening as 2.4/5.4 Oktas while average relative humidity observed as 81%. Mean day temperature recorded as 23.2°C & for the present season 99.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/0.6 Knots.

**Kalam**

Rainfall reported as 7.0mm during the week, however cloudiness in the morning/evening as 3.9/6.2 Oktas while average relative humidity observed as 72%. Mean day temperature recorded as 23.9°C & for the present season 111.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.0 Knots.

**Gilgit**

Rainfall reported as 4.0mm during the week, however cloudiness in the morning/evening as 3.9/5.9 Oktas while average relative humidity observed as 75%. Mean day temperature recorded as 32.9°C & for the present season 150.1 growing degree days accumulated by the end of last week.

Wind speed recorded in the morning/evening 13.9/0.0 Knots.

**Skardu**

Rainfall reported as 5.1mm during the week,, however cloudiness in the morning/evening as 3.0/4.7 Oktas while average relative humidity observed as 54%. Mean day temperature recorded as 31.2°C & for the present season 125.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.7 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):** Good condition at *Boll Opening* stage.

**Northern Balochistan (Quetta)**

There is presently no crop in the fields.

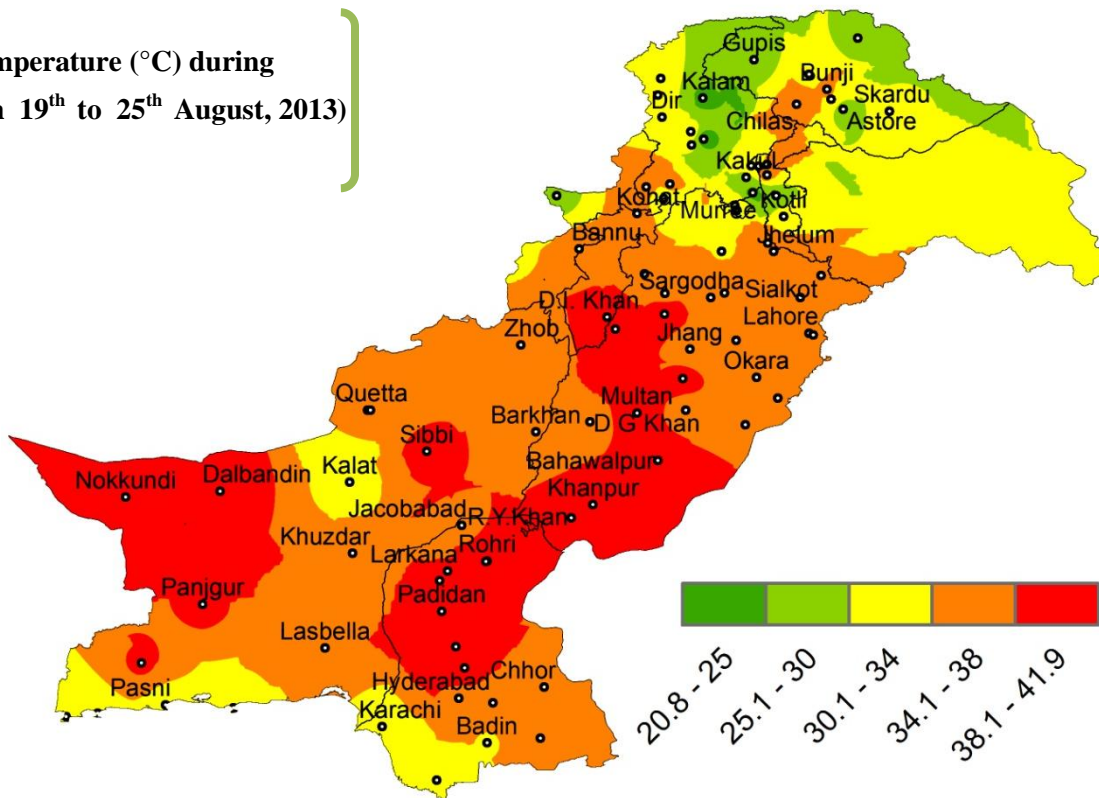
**Eastern Balochistan (Usta Muhammad)**

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

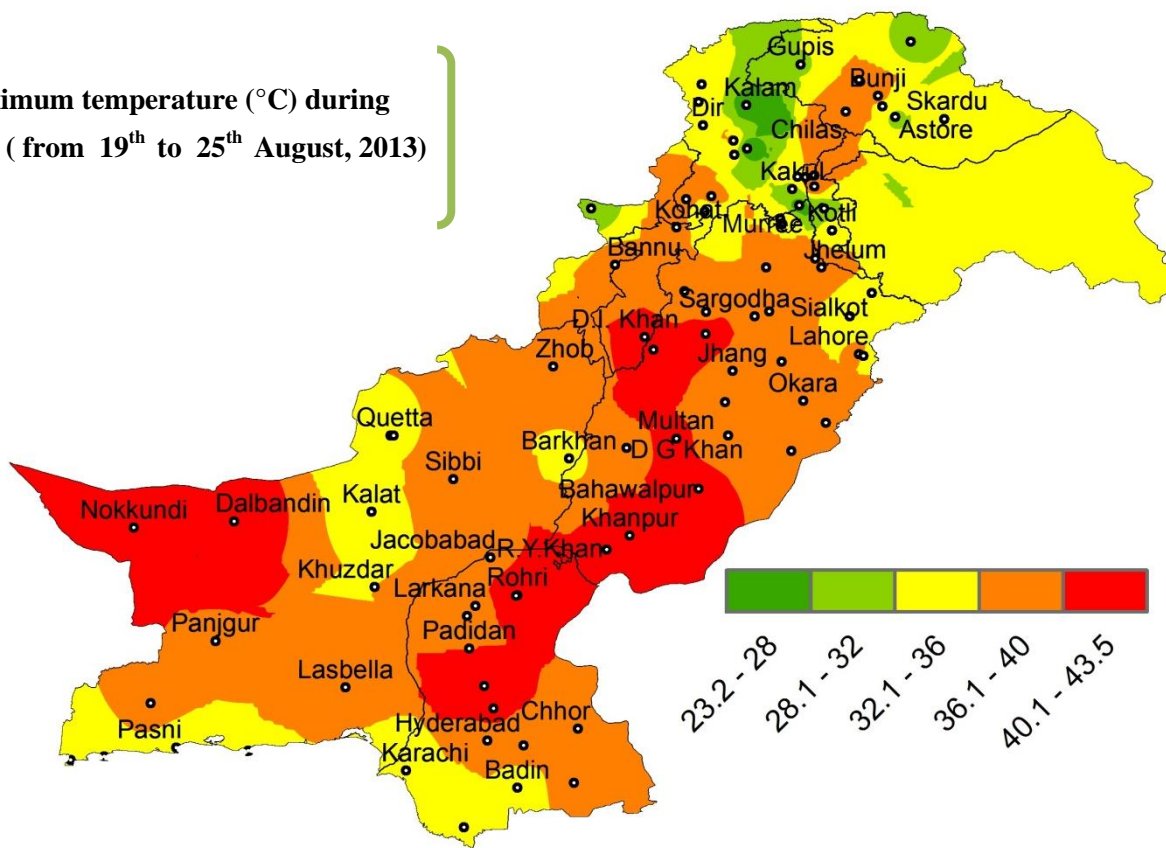
**Rice:** Good condition at *Shooting* stage .



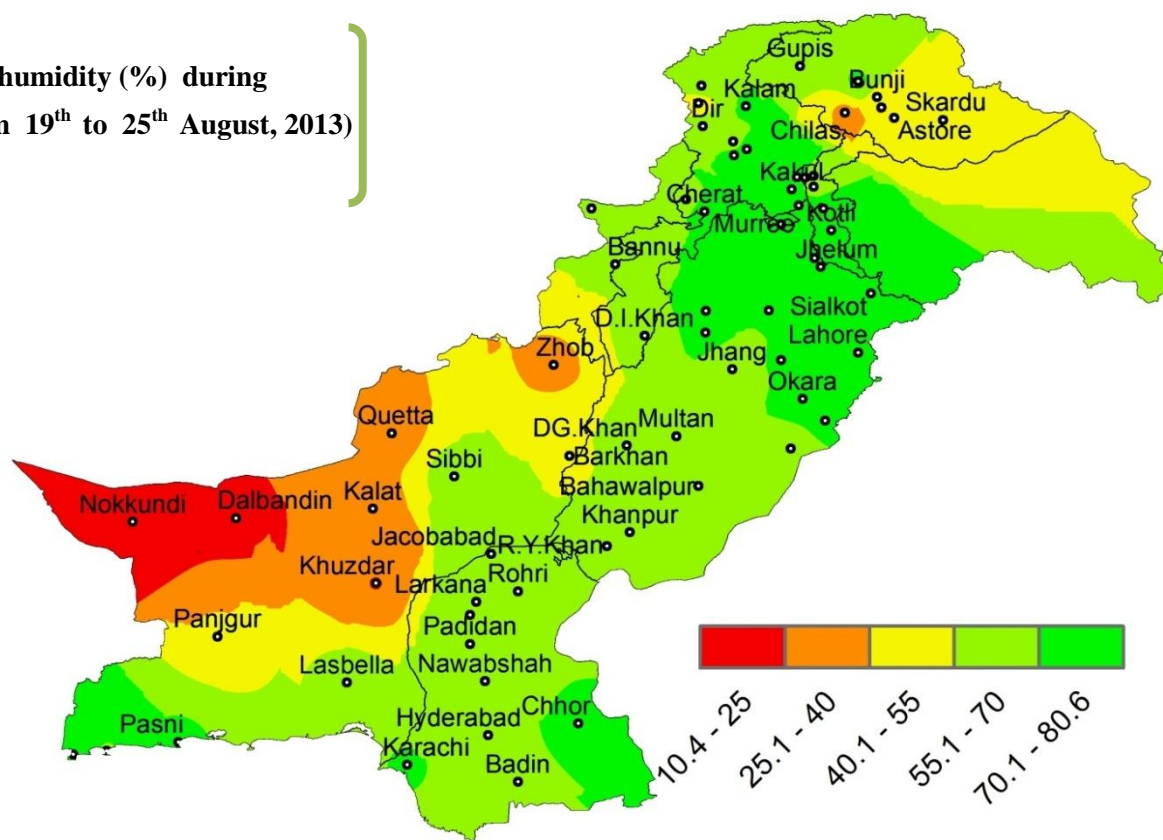
Mean maximum temperature (°C) during the last week ( from 19<sup>th</sup> to 25<sup>th</sup> August, 2013)



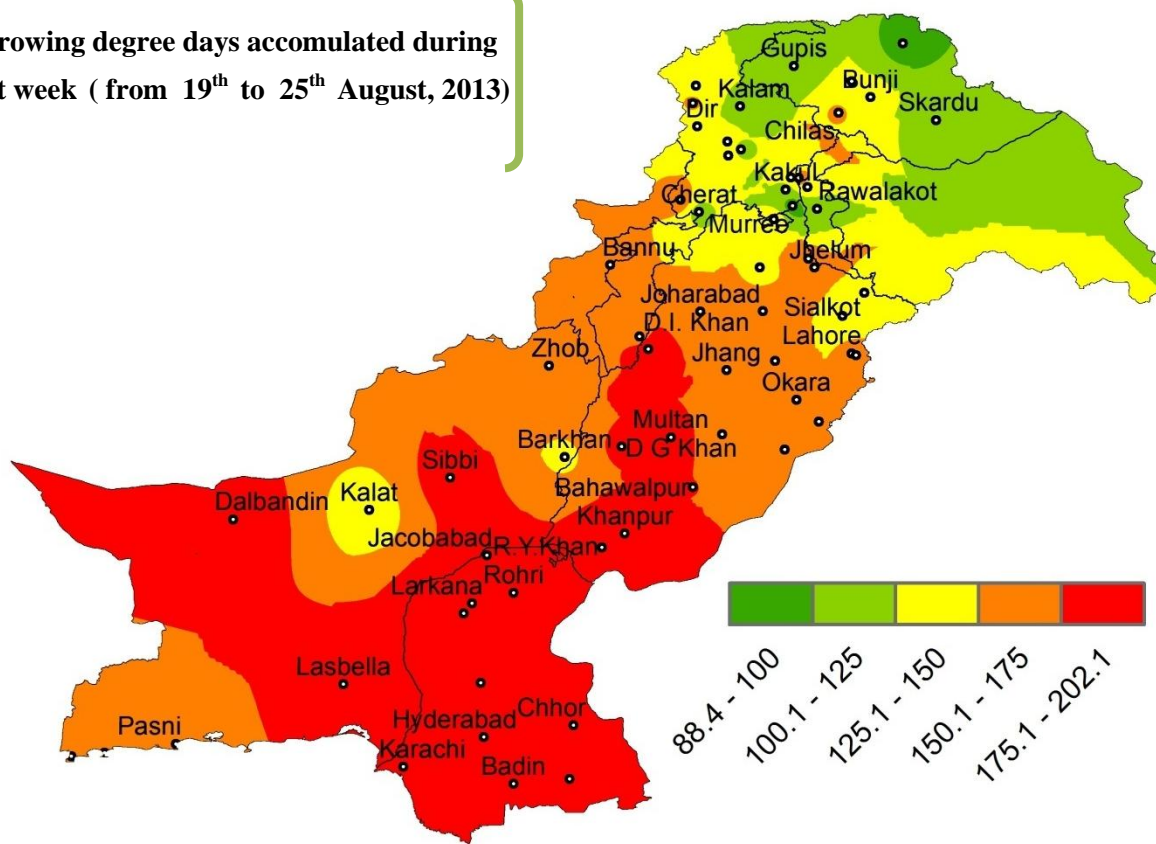
Extreme maximum temperature (°C) during the last week ( from 19<sup>th</sup> to 25<sup>th</sup> August, 2013)



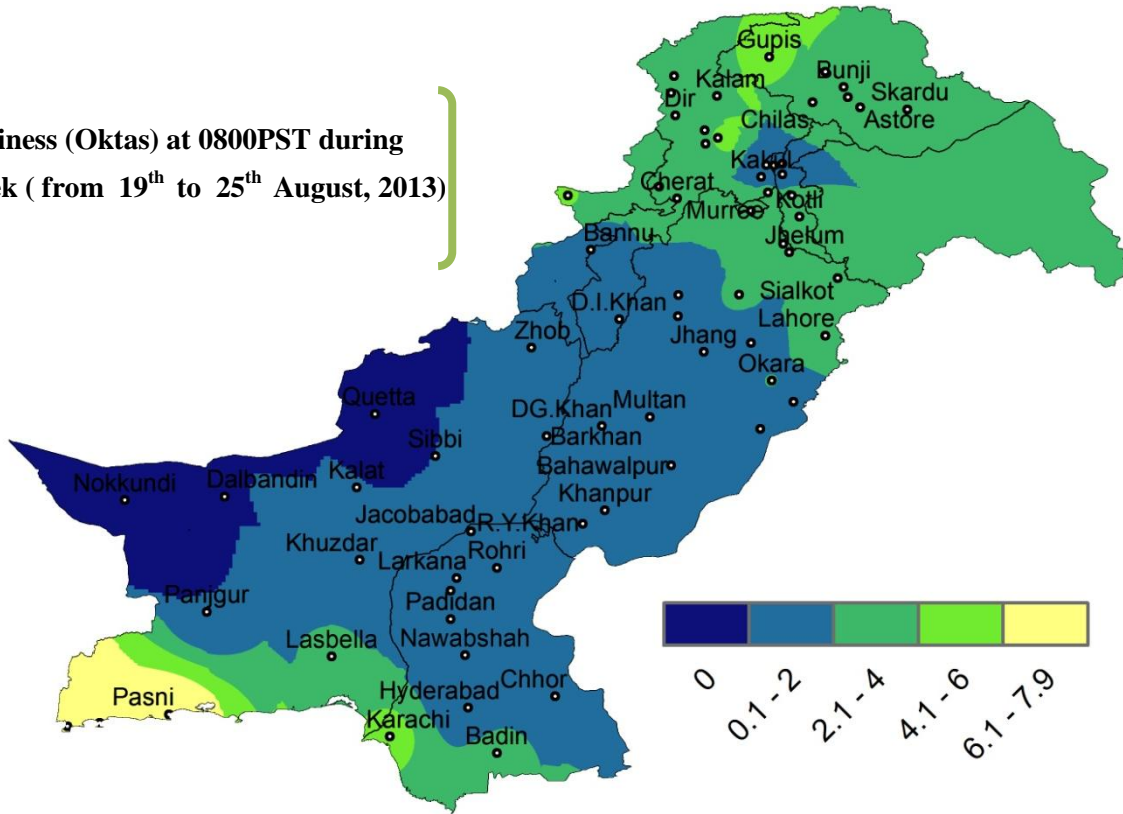
Mean relative humidity (%) during the last week ( from 19<sup>th</sup> to 25<sup>th</sup> August, 2013)



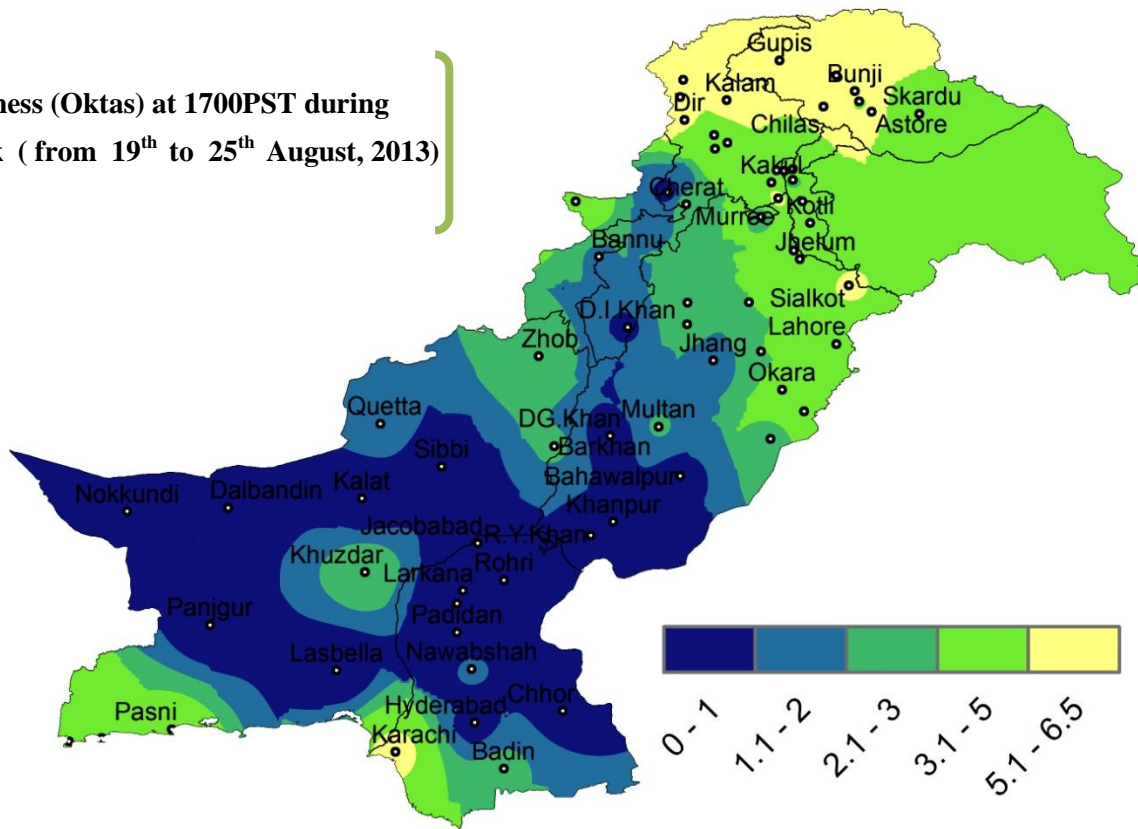
Total growing degree days accomulated during the last week ( from 19<sup>th</sup> to 25<sup>th</sup> August, 2013)



Mean Cloudiness (Oktas) at 0800PST during the last week ( from 19<sup>th</sup> to 25<sup>th</sup> August, 2013)

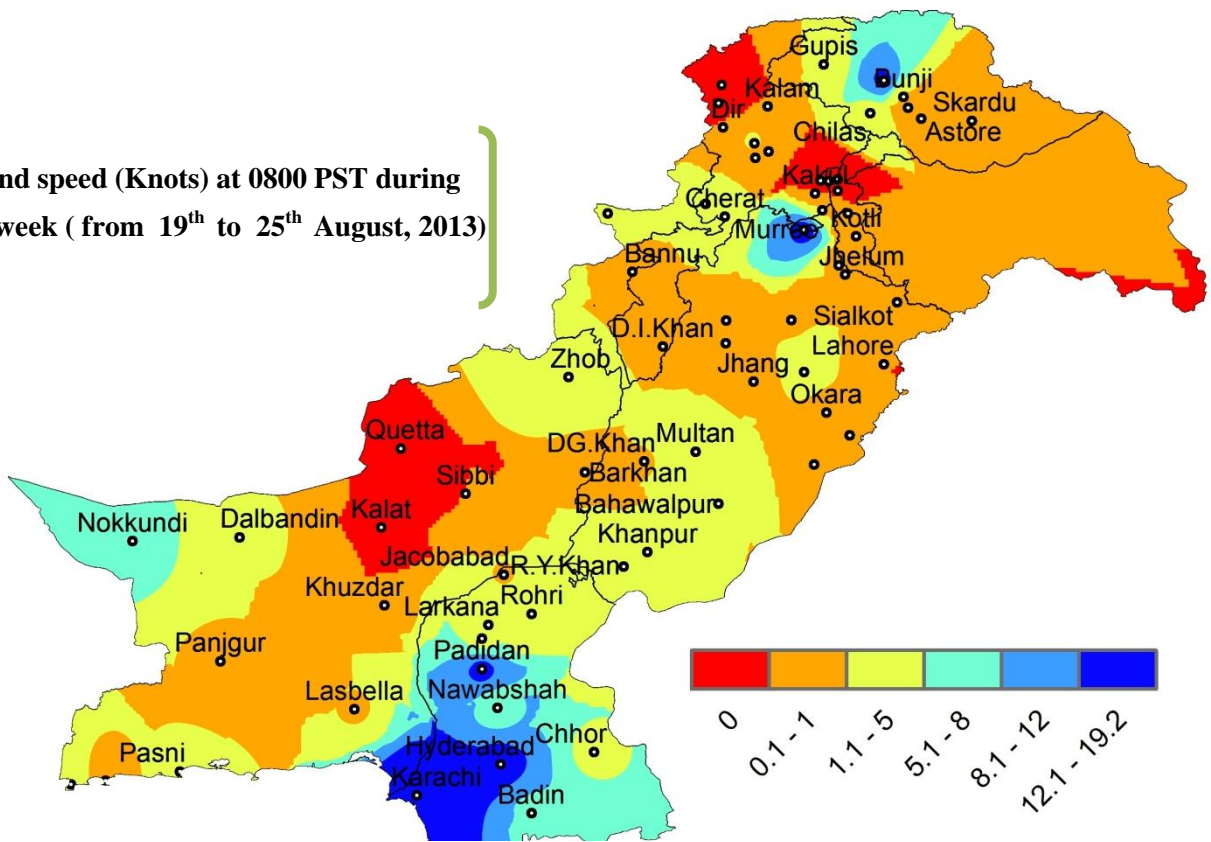


Mean Cloudiness (Oktas) at 1700PST during the last week ( from 19<sup>th</sup> to 25<sup>th</sup> August, 2013)

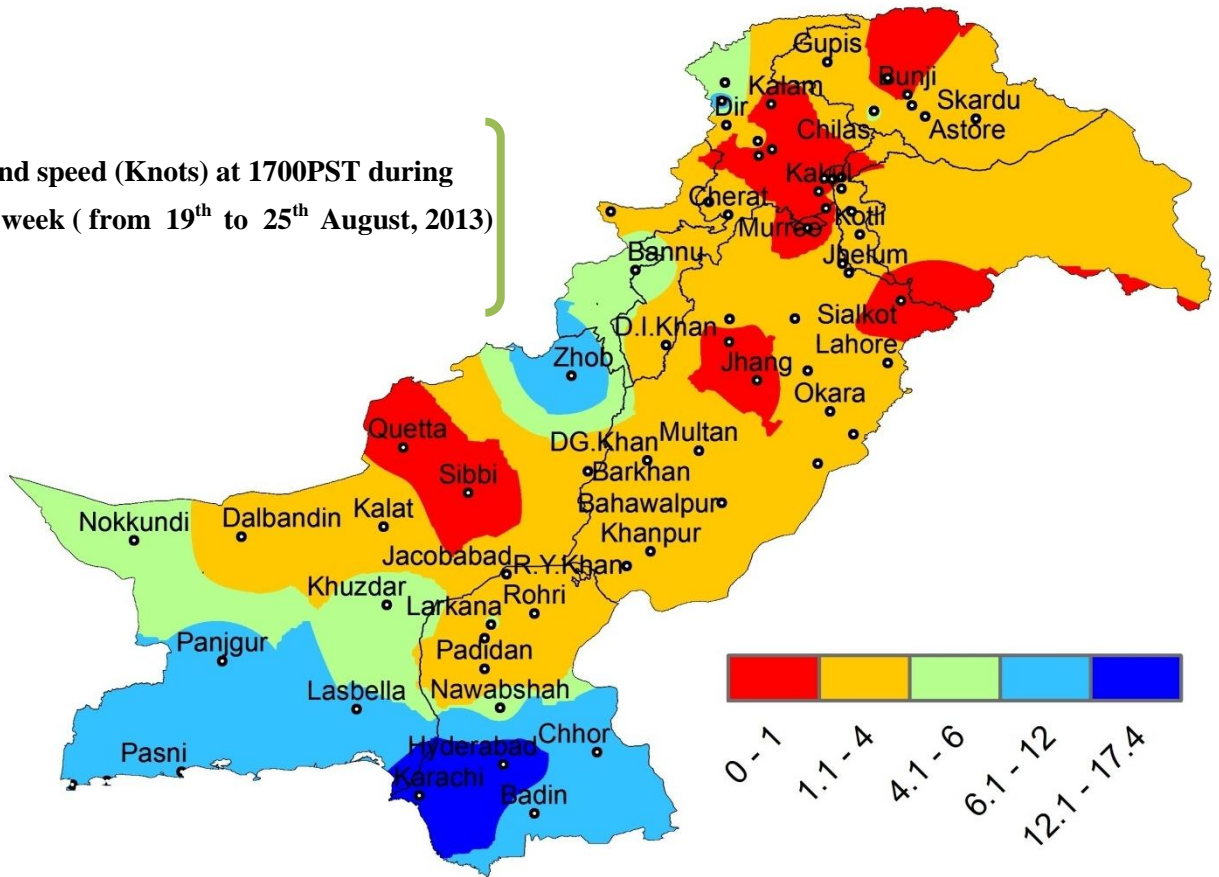




Mean wind speed (Knots) at 0800 PST during the last week ( from 19<sup>th</sup> to 25<sup>th</sup> August, 2013)



Mean wind speed (Knots) at 1700 PST during the last week ( from 19<sup>th</sup> to 25<sup>th</sup> August, 2013)





## **Weekly Weather advisory for Farmers ( from 26<sup>th</sup> August to 1<sup>st</sup> September, 2013)**

A shallow westerly wave is prevailing over Kashmir and adjoining areas. Seasonal low lies over northwest Balochistan and adjoining areas with its trough extending southeast wards. Weak monsoonal currents from Arabian Sea are penetrating into central & upper parts of the country up to 3000 feet and will continue during the week. A fresh westerly wave is likely to affect upper parts of the country during Wednesday/Thursday.

### **Punjab including Islamabad:**

Mainly hot & humid weather is expected in most parts of the province during the week. However, rain-thundershower is likely to occur at isolated places of Islamabad, northeast Punjab (Rawalpindi, Gujranwala, Lahore and Sargodha divisions) from Tuesday to Friday with occasional gaps.

### **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 & Peshawar divisions ) from Wednesday to Friday.

### **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 may occur in Southeastern Sindh (Mirpur Khas division) during the weekend.

### **Kashmir:**

Isolated rain-thundershowers are likely to occur during Monday/Tuesday and Friday, while scattered rain-thundershowers are expected during Wednesday/Thursday.

Partly cloudy weather conditions with chances of rain thunderstorm may occur at few places during the weekend.

### **Gilgit-Baltistan:**

Partly cloudy/Dry weather is expected in most parts of the Gilgit-Baltistan during first half of the week, while Mostly Cloudy with chances of rain-thunderstorm is expected at isolated places of GB 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 upper half of the country.

**National Weather Data of Selected Cities**  
(Weekly Data from 19<sup>th</sup> to 25<sup>th</sup> August, 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	27.2	30.8	***	56	4.1	3.9	5.2	0.9	3.7
Badin	33.6	34.3	176.1	68	0.0	3.0	2.4	6.9	9.4
Bahawalnagar	38.0	39.8	173.6	65	0.0	0.0	2.9	0.3	1.4
Bahawalpur	38.6	40.5	175.0	63	0.0	0.3	0.6	1.1	1.1
Balakot	31.6	33.7	140.0	75	4.0	1.9	3.7	0.0	0.7
Bannu	36.3	38.0	163.6	56	0.0	0.9	1.8	0.0	5.7
Barkhan	34.5	35.0	146.8	51	0.0	0.1	2.2	0.0	2.7
Bunji	34.8	37.8	134.5	54	0.0	4.0	6.5	0.3	0.3
Cherat	30.1	32.0	115.6	73	1.0	3.1	2.7	2.0	2.0
Chhor	35.1	36.6	175.8	74	0.0	0.7	0.6	4.0	7.7
Chilas	36.5	39.6	152.9	36	0.1	3.3	5.4	3.1	4.3
Chitral	31.4	34.2	143.3	69	8.0	3.1	6.2	0.0	4.3
D.I.Khan	37.6	39.7	178.8	60	0.0	1.0	0.8	0.3	1.7
Dalbandin	38.5	40.0	171.8	23	0.0	0.0	0.0	1.4	2.0
DG.Khan	41.9	43.5	192.8	61	0.0	0.6	0.3	0.9	3.0
Dir	31.0	34.0	127.8	64	0.0	2.6	5.2	0.0	0.8
Drosh	33.7	36.1	153.8	44	0.0	3.3	6.5	0.0	7.3
Faisalabad	36.3	37.5	168.8	71	5.0	0.0	3.0	2.0	2.6
Garidopatta	34.7	38.0	148.6	63	42.0	0.9	2.3	0.0	2.0
Gawader	32.0	32.5	173.5	70	0.0	7.2	3.1	0.0	12.0

Gilgit	32.8	36.0	125.4	75	4.0	3.9	5.9	13.9	0.0
Gupis	26.5	31.5	101.1	60	6.0	4.3	6.3	1.1	2.3
Hyderabad	36.8	37.8	177.3	64	0.0	0.0	0.6	14.6	17.4
Islamabad	33.5	35.5	144.8	72	3.0	3.0	2.4	14.6	0.6
Jacobabad	37.3	39.0	188.9	69	0.0	1.0	0.0	0.9	1.1
Jhang	37.0	38.8	170.7	63	3.0	0.0	1.2	0.0	0.0
Jhelum	35.1	37.0	157.0	78	3.1	2.0	3.7	0.3	1.7
Jiwani	31.1	32.0	***	75	0.0	7.1	4.9	2.3	9.1
Joharabad	37.6	39.5	168.1	76	2.0	0.0	2.8	0.6	1.3
Kakul	28.7	30.5	109.9	78	9.0	1.6	4.8	0.0	1.0
Kalam	23.9	26.0	111.4	72	7.0	3.9	6.2	0.0	0.0
Kalat	32.0	34.0	137.3	32	0.0	0.0	0.0	0.0	2.0
Karachi	31.8	32.5	175.3	71	0.0	4.7	5.6	19.3	13.4
Khanpur	38.5	40.0	183.4	66	0.0	0.3	0.6	1.1	2.3
Khuzdar	35.5	36.0	***	25	0.0	0.3	3.0	0.0	5.4
Kotli	33.0	35.0	***	77	8.0	2.4	4.2	0.6	2.7
Lahore	33.9	35.6	150.9	78	16.1	3.9	4.2	0.0	1.3
Larkana	38.1	39.0	193.0	67	0.0	0.3	0.0	2.9	4.3
Lasbella	37.6	38.0	190.5	62	0.0	2.4	0.0	0.6	6.0
Lower Dir	34.9	37.5	141.9	58	5.0	3.1	3.2	1.4	1.7
M.B Din	35.8	38.0	157.7	71	1.1	2.6	3.0	0.9	1.3
Malam Jabba	20.6	23.0	116.0	79	24.0	4.7	5.3	0.0	0.0
Mangla	34.8	36.5	155.8	79	4.0	2.7	4.0	0.0	1.7
Mir Khani	34.1	35.0	***	36	0.0	2.0	4.7	0.0	2.8
Moinjodaro	38.1	39.5	202.3	61	0.0	0.3	0.3	3.1	2.6

Multan	38.4	40.2	180.7	61	0.0	0.3	2.1	3.4	4.0
Murree	23.0	25.8	88.2	81	45.0	2.4	5.4	0.9	0.6
Muzaffarabad	33.8	36.5	154.1	71	15.0	1.9	3.5	0.0	0.0
Nawabshah	40.1	41.0	188.6	57	0.0	0.6	1.1	5.1	5.1
Nokkundi	41.1	42.0	***	10	0.0	0.0	0.0	7.7	6.0
Noorpurthal	38.9	41.5	***	72	43.0	0.3	2.5	0.0	0.3
Okara	36.4	38.5	166.7	74	25.0	2.1	3.3	0.3	1.7
Padidan	38.9	40.0	***	64	0.0	1.0	0.1	13.9	2.6
Panjgur	38.4	39.5	***	42	0.0	0.0	0.0	0.0	6.9
Parachinar	27.5	29.0	***	63	0.0	4.1	4.8	2.6	3.3
Pasni	31.9	32.5	160.0	73	0.0	7.9	3.7	1.7	8.9
Pattan	34.4	38.0		67	11.0	2.0	4.7	0.0	0.8
Peshawar	36.2	38.0	165.6	67	2.0	2.4	0.6	1.4	1.2
Quetta	34.8	35.5	***	31	0.0	0.0	1.9	0.0	0.9
R.Y.Khan	40.5	41.4	188.2	58	0.0	0.7	0.7	5.1	4.0
Rawalakot	26.3	29.0	99.8	81	76.0	2.4	4.0	0.0	1.7
Rohri	38.1	40.5	194.6	61	0.0	0.0	0.0	2.3	3.0
Sahiwal	37.0	38.3	169.1	72	0.0	0.0	3.2	0.0	2.8
Saidu Sharif	30.9	33.5	139.3	76	14.0	3.1	2.8	0.0	0.3
Sialkot	34.3	35.6	143.7	77	4.1	3.3	5.2	0.0	0.0
Sibbi	39.5	40.0	184.5	65	0.0	0.0	0.0	0.0	0.0
Skardu	31.2	33.7	106.9	54	5.1	3.0	4.7	0.0	1.7
Zhob	35.1	37.0	158.8	36	0.0	0.0	2.9	2.9	7.9

\*\*\* Data not available