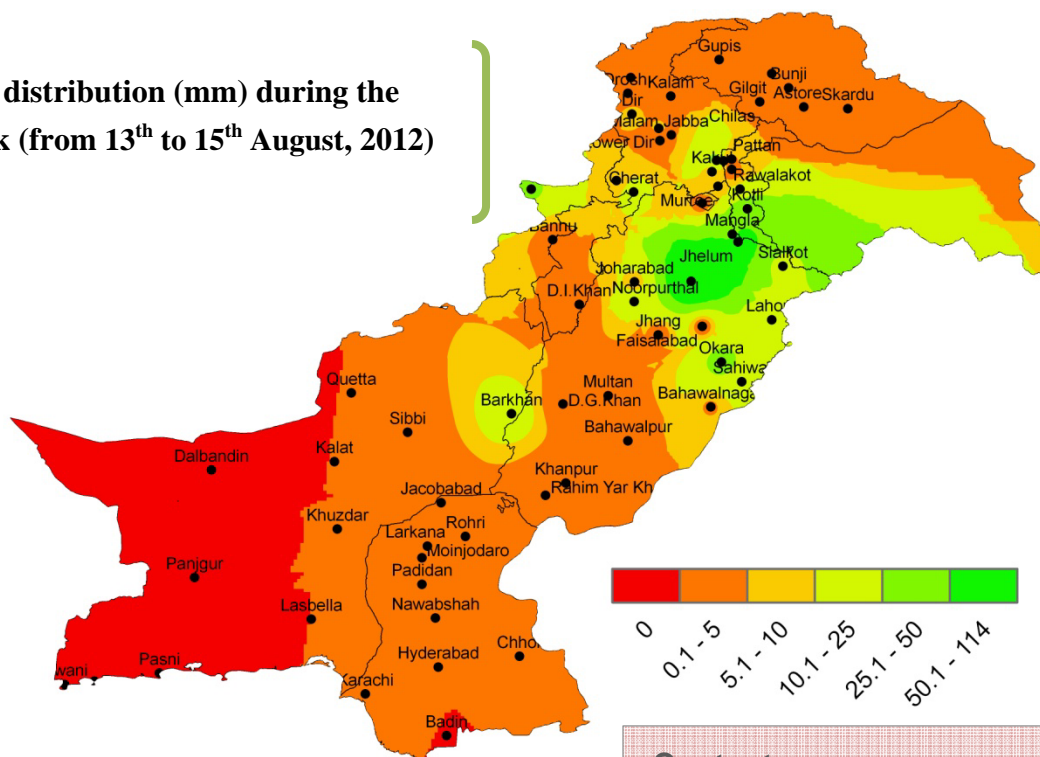


## Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall distribution (mm) during the last week (from 13<sup>th</sup> to 15<sup>th</sup> August, 2012)**



### Highlights of Past Weather (13<sup>th</sup> to 15<sup>th</sup> August, 2012):

Monsoon rainy system produced more rains in the country especially in central parts of the country. Due to which light to moderate rainfall reported from most of the agricultural plains of Punjab, scattered places in Khyber Pakhtoonkhwa, Gilgit Baltistan & Kashmir and few places in upper Sindh & eastern parts of Balochistan during the week. Whereas dry weather rainfall reported from rest of the agricultural plains of the country.

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## **Punjab**

Light to moderate rainfall reported from most of the agricultural plains of Punjab during the week, chief amount received from central parts of the province. Weekly maximum temperature and minimum temperature recorded as 35.0°C & 26.5°C respectively. For the present season on average 78.1 growing degree days accumulated by Wednesday. Average relative humidity recorded as 64 % and wind speed in the morning/evening recorded as 2.0/3.0 Knots. During the previous week the highest rainfall recorded at Mandi Bahauddin as 114.0 mm and the extreme maximum temperature recorded at Rahim Yar Khan as 40.2°C.

## **Sindh**

Dry weather reported from most of the agricultural plains of the province except a few places in upper parts where meager rainfall occurred. Weekly maximum temperature and minimum temperature recorded as 38.3°C & 27.0 °C respectively. For the present season on average 82.4 growing degree days accumulated by Wednesday. Average relative humidity recorded as 49 % and wind speed in the morning/evening recorded as 3.0/6.0 Knots. During the previous week the extreme maximum temperature recorded at Sukkur as 42.5°C.

## **Khyber Pakhtoon Khawa (KP)**

Light to moderate rainfall reported from scattered places of the province during the week. Weekly maximum temperature and minimum temperature recorded as 33.5°C & 20.8°C respectively. For the present season on average 66.8 growing degree days accumulated by Wednesday. Average relative humidity recorded as 61 % and wind speed in the morning/evening recorded as 1.0/3.0 Knots. During the previous week the highest rainfall recorded at Balakot as 40.1 mm and the extreme maximum temperature recorded at Bannu as 39.4°C.

## **Balochistan**

Light rainfall reported from a few of the agricultural plains in the eastern parts of the province. Weekly maximum temperature and minimum temperature recorded as 35.3C & 22.9 °C respectively. For the present season on average 63.0 growing degree days accumulated by Wednesday. Average relative humidity recorded as 41% and wind speed in the morning/evening recorded as 1.0/5.0 Knots. During the previous week the highest rainfall recorded at Barkhan as 17.0 mm and the extreme maximum temperature recorded at Dalbandin as 43.5°C.

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

Light to moderate rainfall reported from scattered places of the specified region especially from Kashmir. Weekly maximum temperature and minimum temperature recorded as 31.4°C & 19.4 °C respectively. For the present season on average 61.1 growing degree days accumulated by Wednesday. Average relative humidity recorded as 51% and wind speed in the morning/evening recorded as 1.0/3.0 Knots. During the previous week the highest rainfall recorded at Kotli as 46.0 mm and the extreme maximum temperature recorded at Pattan as 38.5°C.

## **Past Weather for Major Agricultural Plains (from 13<sup>th</sup> to 15<sup>th</sup> August, 2012)**

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

Rainfall reported as 2.2 mm during the last week, cloudiness recorded in the morning/evening as 6.6/2.0 oktas and average relative humidity 79%. Mean day temperature recorded as 35.5°C & for the present season 75.0 growing degree days accumulated by Wednesday. Wind speed recorded in the morning/evening as 1.3/2.0 Km/h.

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

No rainfall reported during the last week, cloudiness recorded in the morning/evening as 3.7/2.0 oktas and average relative humidity 62%. Mean day temperature recorded as 37.4°C & for the present season 80.3 growing degree days accumulated by Wednesday. Wind speed recorded in the morning/evening as 9.7/8.7 Km/h.

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

Rainfall reported as 17.0 mm during the last week, cloudiness recorded in the morning/evening as 5.7 oktas and average relative humidity 62%. Mean day temperature recorded as 35.0°C & for the present season 79.3 growing degree days accumulated by Wednesday. Wind speed recorded in the morning/evening as 1.3/0.7 Km/h.

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

Rainfall reported as Trace during the last week, cloudiness recorded in the morning/evening as 4.3 oktas and average relative humidity 36%. Mean day temperature recorded as 34.0°C & for the present season 62.3 growing degree days accumulated by Wednesday. Wind speed recorded in the morning/evening as 2.7/8.7 Km/h.

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

No Rainfall reported during the last week, with clear skies and average relative humidity 68%. Mean day temperature recorded as 37.5°C & for the present season 82.5 growing degree days accumulated by Wednesday. Wind speed recorded in the morning/evening as 3.7/4.9 Km/h.

## **Past Weather for sub regional Agricultural Plains (from 13<sup>th</sup> to 15<sup>th</sup> August, 2012)**

### **Rohri**

No rainfall reported during the last week, cloudiness recorded in the morning/evening as 6.3/1.0 oktas and average relative humidity 44%. Mean day temperature recorded as 40.5°C & for the present season 84.3 growing degree days accumulated by Wednesday. Wind speed recorded in the morning/evening as 0.0/0.7 Knots.

### **Skardu**

Rainfall reported as 1.0 mm during the last week, cloudiness recorded in the morning/evening as 3.3/0.0 oktas and average relative humidity 47%. Mean day temperature recorded as 29.7°C & for the present season 53.6 growing degree days accumulated by Wednesday. Wind speed recorded in the morning/evening as Calm.

### **Multan**

Rainfall reported as 0.2 mm during the last week, cloudiness recorded in the morning/evening as 1.3/3.7 oktas and average relative humidity 50%. Mean day temperature recorded as 38.3°C & for the present season 85.9 growing degree days accumulated by Wednesday. Wind speed recorded in the morning/evening as 1.3/5.3 Knots.

### **Lahore**

Rainfall reported as 10.1 mm during the last week, cloudiness recorded in the morning/evening as 6/5 oktas and average relative humidity 79%. Mean day temperature recorded as 33.5°C & for the present season 74.7 growing degree days accumulated by Wednesday. Wind speed recorded in the morning/evening as 0.7 Knots.

### **Saidu Sharif**

Rainfall reported as 0.1 mm during the last week, cloudiness recorded in the morning/evening as 4.7/2.3 oktas and mean day temperature recorded as 33.0°C & for the present season 65.5 growing degree days accumulated by Wednesday. Wind

speed recorded in the morning/evening as 0.0/2.0 Knots.

### **Gilgit.**

Rainfall reported as 0.2 mm during the last week, cloudiness recorded in the morning/evening as 7.3/4.7 oktas and average relative humidity 48%. Mean day temperature recorded as 33.0°C & for the present season 66.8 growing degree days accumulated by Wednesday. Wind speed recorded in the morning/evening as 3.3/6.7 Knots.

### **Jhelum**

Rainfall reported as 69.0 mm during the last week, cloudiness recorded in the morning/evening as 7.7/6.0 oktas and average relative humidity 53%. Mean day temperature recorded as 31.8°C & for the present season 67.9 growing degree days accumulated by Wednesday. Wind speed recorded in the morning/evening as 1.3/0.0 Knots.

### **D.I. Khan**

Rainfall reported as 1.0 mm during the last week, cloudiness recorded in the morning/evening as 4.3/8.0 oktas and average relative humidity 70%. Mean day temperature recorded as 36.3°C & for the present season 80.5 growing degree days accumulated by Wednesday. Wind speed recorded in the morning/evening as 0.0/2.0 Knots.

### **Peshawar**

Rainfall reported as 6.1 mm during the last week, cloudiness recorded in the morning/evening as 5.3/4.7 oktas and average relative humidity 58%. Mean day temperature recorded as 37.3°C & for the present season 78.5 growing degree days accumulated by Wednesday. Wind speed recorded in the morning/evening as 0.0/4.0 Knots.

### **Murree**

Rainfall reported as 10.0 mm during the last week, cloudiness recorded in the morning/evening as 2.0/8.0 oktas and average relative humidity 81%. Mean day temperature recorded as 21.9°C. Wind speed recorded in the morning/evening as 1.3/0.0 Knots.

## **Crop Situation for major agricultural plains** *(based on data from Regional Agromet Centres)*

### **Potohar Region (Rawalpindi)**

Presently only one crop (rainfed conditions) is grown in the fields as detailed below.

**Maize:** Average 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:** Very Good condition, Budding stage completed.

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

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

**Cotton (BT-886):** Good condition at Boll Opening stage.

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

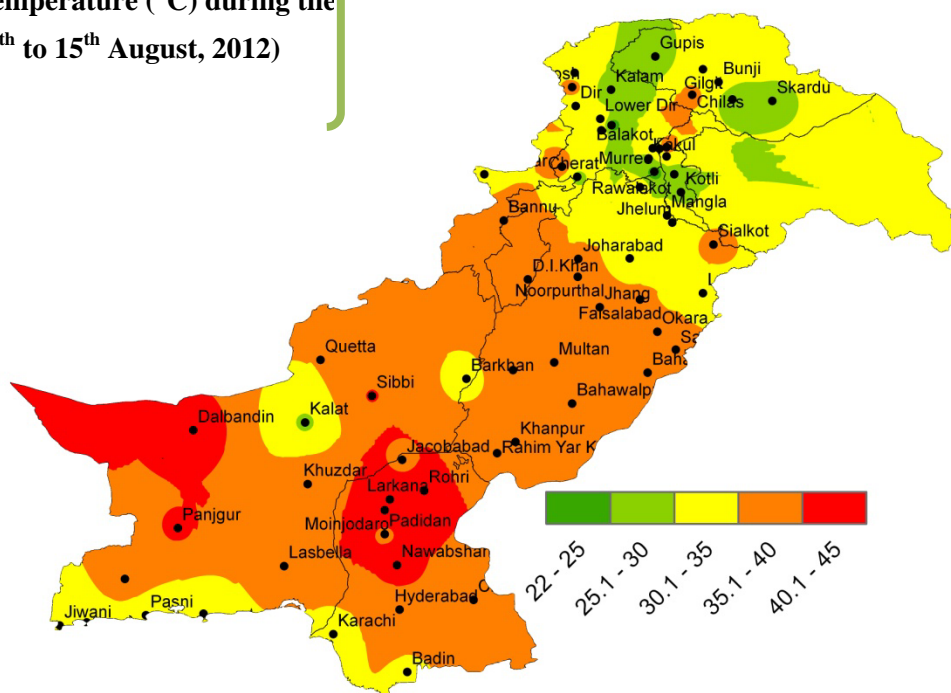
Presently no crop is grown in the fields.

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

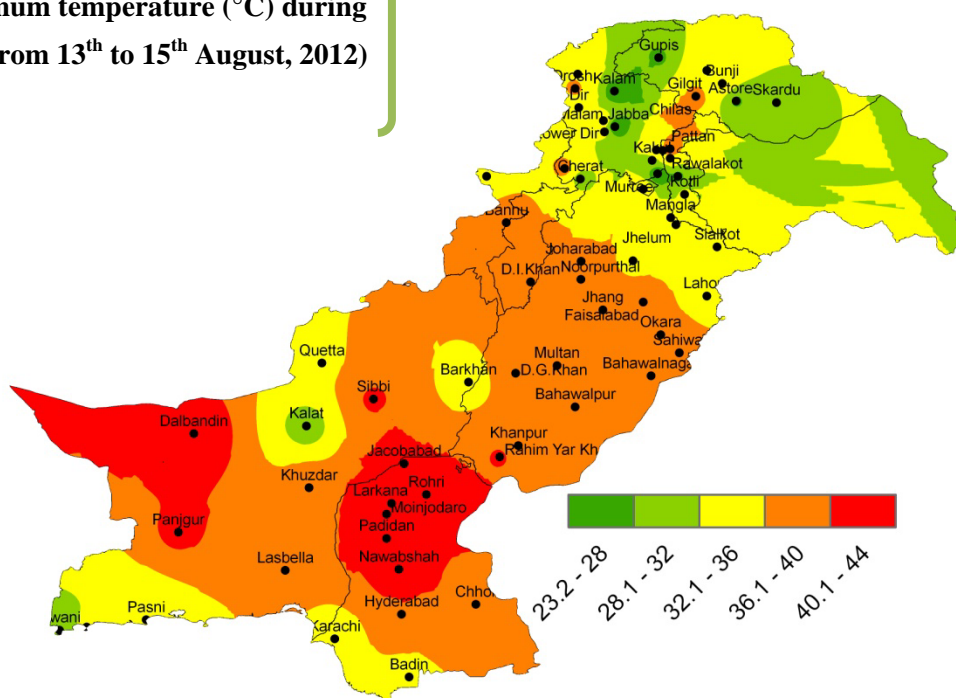
Presently one crop (Irrigated conditions) is grown at the station as detailed below:

**Rice:** Good condition at Third Leaf stage.

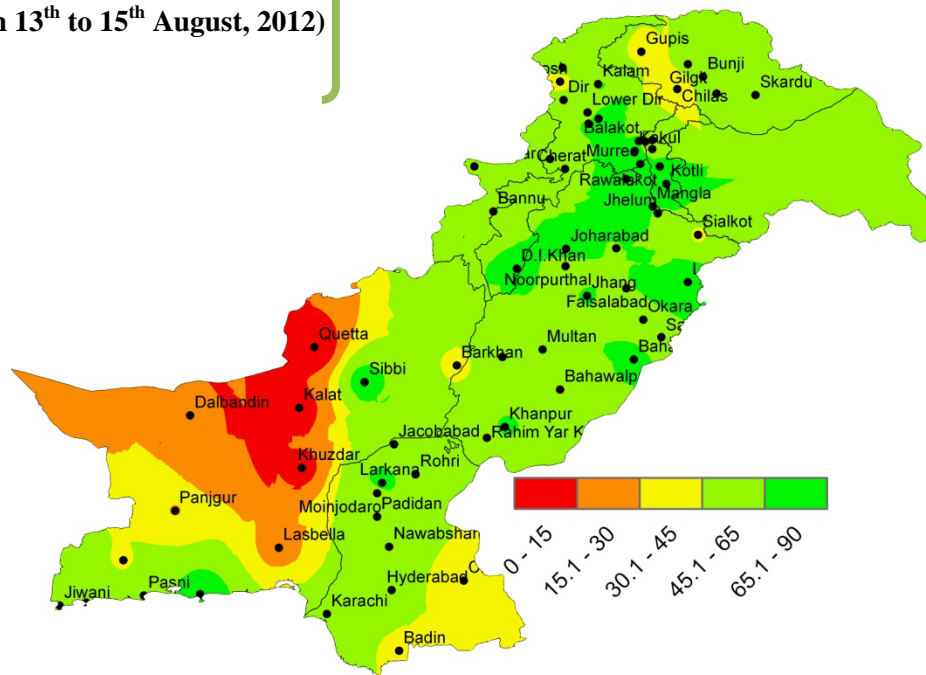
Mean maximum temperature (°C) during the last week (from 13<sup>th</sup> to 15<sup>th</sup> August, 2012)



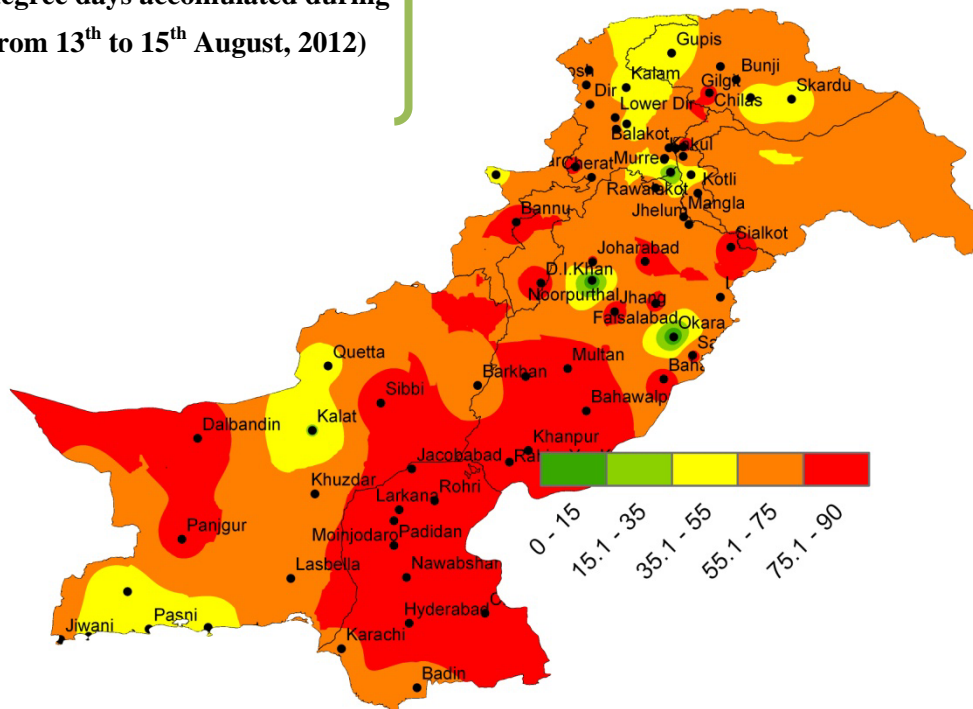
Extreme maximum temperature (°C) during the last week (from 13<sup>th</sup> to 15<sup>th</sup> August, 2012)



**Mean relative humidity (%) during the last week (from 13<sup>th</sup> to 15<sup>th</sup> August, 2012)**

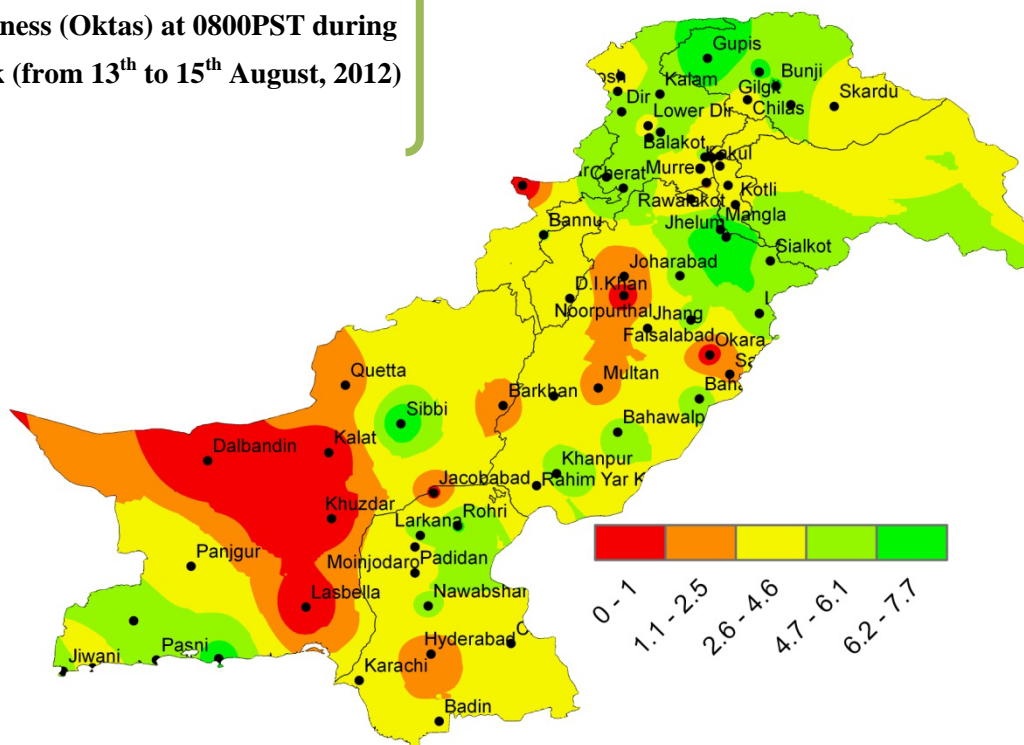


**Total growing degree days accumulated during the last week (from 13<sup>th</sup> to 15<sup>th</sup> August, 2012)**

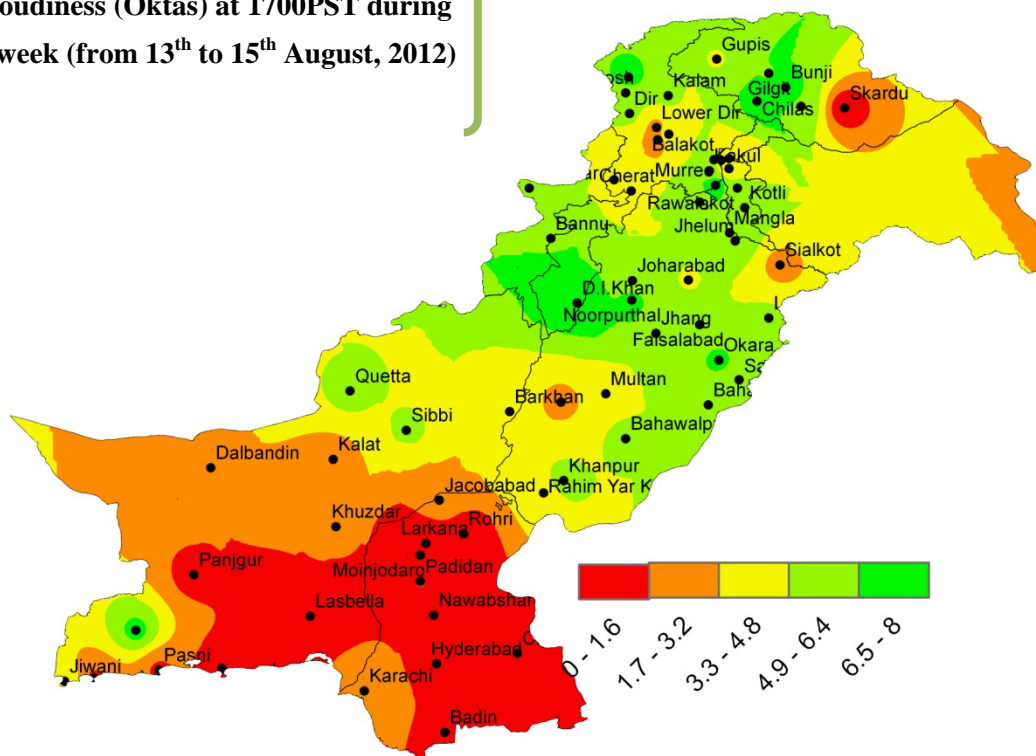




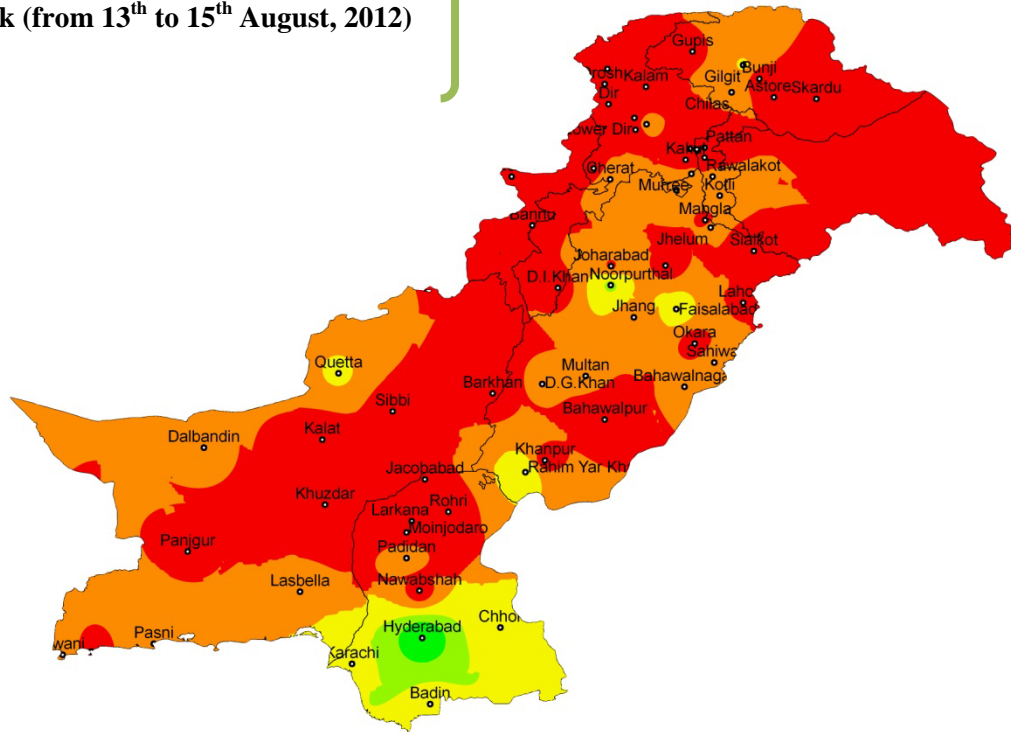
**Mean Cloudiness (Oktas) at 0800PST during  
the last week (from 13<sup>th</sup> to 15<sup>th</sup> August, 2012)**



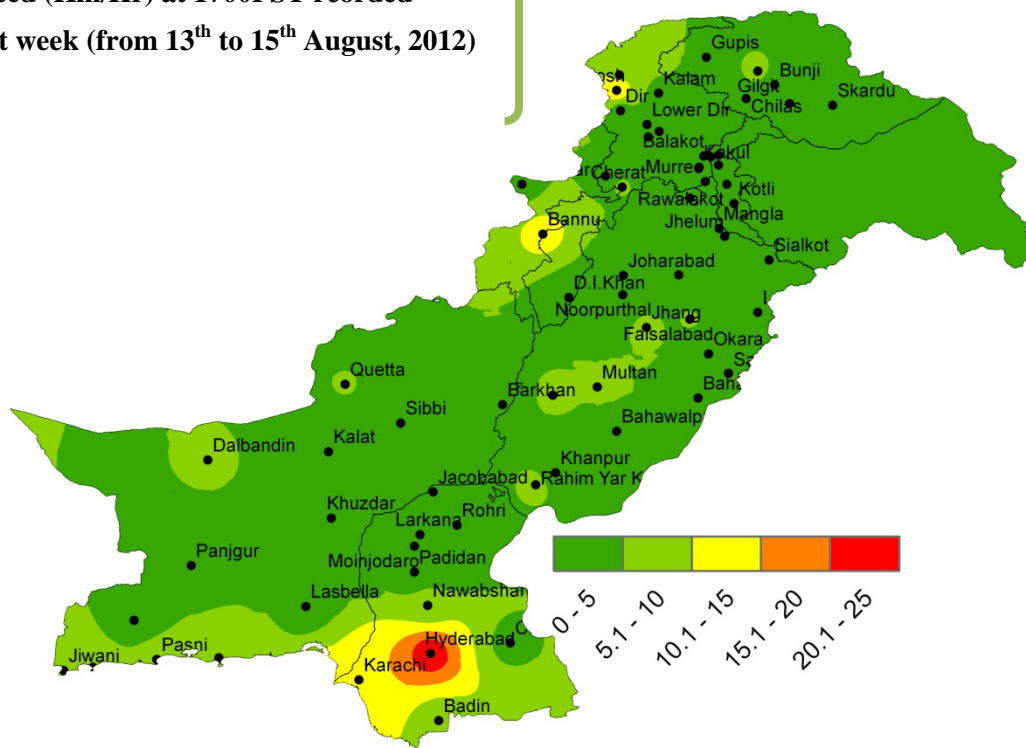
**Mean Cloudiness (Oktas) at 1700PST during  
the last week (from 13<sup>th</sup> to 15<sup>th</sup> August, 2012)**



**Mean wind speed (Km/Hr) at 0800PST rcrded  
during the last week (from 13<sup>th</sup> to 15<sup>th</sup> August, 2012)**



**Mean wind speed (Km/Hr) at 1700PST rcrded  
during the last week (from 13<sup>th</sup> to 15<sup>th</sup> August, 2012)**





## **Weekly Weather advisory for Farmers (from 20<sup>th</sup> to 26<sup>th</sup> August, 2012)**

Weak Monsoon currents would likely to penetrate in Northeastern parts of the country and lower Sindh during next 2 to 3 days. A westerly wave is expected to approach northern half of the country during mid week and likely to prevail for 3 days.

### **Punjab including Islamabad:**

Rain/Thundershower is expected at isolated places of Gujranwala & Rawalpindi divisions from Tuesday to Wednesday. Scattered Rain/Thundershower with isolated heavy falls is expected over upper parts of the province from Thursday and Friday.

### **Khyber Pakhtunkhwa:**

Rain/Thundershower is expected at isolated places of upper KP from Monday to Tuesday. Whereas at scattered places in whole KP from Thursday to Saturday.

### **Baluchistan:**

Mainly hot and dry weather is expected in most parts of the province. However Thundershower is expected at isolated places of Northeast Balochistan (Zhob, Kalat and Sibi divisions) on Monday.

### **Sindh:**

Mainly hot and humid weather is expected in most parts of the province. However Rain/Thundershower is expected at isolated places of Southeastern Sindh (Hyderabad and Mirpurkhas divisions) on Monday and Thursday.

### **Kashmir:**

Rain/Thundershower is expected at isolated places of Kashmir from Tuesday. Scattered Rain/Thundershower with isolated heavy falls is expected from Thursday to Sunday.

### **Gilgit-Baltistan:**

Mainly dry weather is expected in most parts of GB during the week except Rain/thundershower with isolated heavy falls expected from Thursday to Sunday.

### **Advices for Crops:**

***Cotton/Sugarcane:*** Farmers of cotton belt are advised to manage irrigation practices as per prediction of monsoon rains 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, as there is forecast for light to moderate rainfall during the week. Also farmers are advised to keep control on post-harvesting losses due to pests/insects & hot/moist monsoon season.

### **Precautionary Measures for Animals Care:**

Farmers in the lower half of the country especially those in central regions are advised to take up poultry rearing houses to maintain optimum room temperature and take care against the rapid changes in air temperature and relative humidity.

Farmers in the coastal belt of the country are advised to vaccinate the cattle's against black quarter and other diseases.

In central-southern Punjab, upper Sindh and southern Balochistan as the temperature is high, provide sufficient water and rice water (in particular areas) to the animals before leaving them for grazing.

**National Weather Data of Selected Cities**  
(Weekly data from 13<sup>rd</sup> to 15<sup>th</sup> Aug, 2012)

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Stations	Maximum/Day Temperature (°C)		Growing Deg. Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Okta) 0800PST	Cloudiness (Okta) 1700PST	Wind Speed (Knots) 0800PST	Wind Speed (Knots) 1700PST
	Mean	Highest							
Astore	26.1	27.3	81.8	53	4.1	5.0	6.3	0.7	2.7
Badin	34.5	34.5	84.6	43	1.0	2.7	1.3	4.7	6.7
Bahawalnagar	36.5	38.0	83.1	68	2.0	5.7	6.0	1.3	4.7
Bahawalpur	37.6	39.0	83.5	64	0.0	5.0	5.3	0.0	4.0
Balakot	31.7	33.0	83.7	68	1.0	5.7	5.0	0.0	0.7
Bannu	38.8	39.0	79.8	52	0.2	4.7	6.3	0.0	12.7
Barkhan	33.0	33.0	74.9	42	3.1	1.7	4.3	0.0	1.3
Bunji	33.5	35.6	82.6	52	0.0	6.3	7.3	0.0	1.3
Cherat	29.2	31.0	67.9	55	69.0	6.0	4.0	2.7	5.3
Chhor	36.8	38.0	84.2	36	0.0	4.3	0.7	4.0	3.3
Chilas	36.4	37.0	73.9	31	61.0	3.3	6.7	1.3	3.3
Chitral	34.3	36.0	74.7	55	10.1	3.3	7.3	0.0	8.7
D.G.Khan	39.2	39.2	77.7	55	114.1	4.7	2.7	1.3	6.0
D.I.Khan	36.3	37.0	51.5	70	0.1	4.3	8.0	0.0	2.0
Dalbandin	42.5	43.5	68.8	17	44.0	0.0	3.0	1.3	6.0
Dir	34.0	35.0	41.9	56	10.0	5.7	5.3	0.0	2.0
Drosh	35.9	36.5	78.7	33	15.0	4.7	5.7	0.0	15.3
Faisalabad	35.4	37.0	78.7	65	35.0	5.3	5.3	4.7	5.3
Garidopatta	33.7	35.0	86.5	51	0.1	4.0	2.7	0.0	0.7
Gawader	32.3	32.5	71.8	45	0.3	3.7	1.3	0.0	6.7
Gilgit	33.0	35.5	78.4	48	12.0	6.3	6.3	3.3	6.7
Gupis	27.0	27.5	77.8	43	20.0	7.7	4.7	0.7	4.0
Hyderabad	39.0	40.0	73.4	48	0.1	1.0	1.0	12.0	24.0
Islamabad	34.2	36.5	44.7	72	***	4.3	5.7	2.0	0.7
Jacobabad	39.7	40.0	67.8	48	0.0	0.7	3.0	0.7	1.3
Jhang	37.7	38.2	78.6	66	0.0	3.0	6.0	1.3	6.0
Jhelum	31.8	35.5	70.4	53	0.0	7.7	6.0	1.3	0.0
Jiwani	30.7	30.0	66.8	63	0.0	5.0	4.7	2.7	10.0
Joharabad	35.0	36.0	36.5	82	0.2	1.3	4.7	0.7	0.7
Kakul	29.2	31.0	64.2	74	4.0	3.0	5.7	0.7	0.0
Kalam	25.0	25.5	71.9	66	46.0	5.7	5.3	0.0	3.3
Kalat	29.5	30.0	50.4	9	2.0	0.0	2.3	***	***
Karachi	32.5	32.5	46.6	57	11.1	3.3	3.0	5.3	14.7
Khanpur	38.2	39.0	81.8	68	0.2	5.7	5.3	0.0	1.3
Khuzdar	37.8	38.0	53.6	10	4.0	0.0	2.3	0.0	2.0
Kotli	30.1	32.8	80.7	75	***	3.7	5.3	2.0	2.0
Lahore	33.6	34.3	61.5	79	40.1	6.0	5.0	0.7	0.7
Larkana	40.8	41.5	80.5	85	14.0	6.0	0.0	0.7	2.7
Lasbella	37.8	38.0	61.2	25	0.0	0.0	0.0	1.3	3.3
Lower Dir	35.8	36.0	70.8	50	1.0	4.0	2.7	0.0	2.7

Malam Jabba	21.8	23.0	65.3	73	7.0	5.0	4.7	2.0	0.0
Mandibahudin	32.5	33.2	57.3	65	6.0	5.3	4.7	0.0	0.7
Mangla	31.5	33.0	42.3	87	0.0	7.7	5.3	0.7	0.0
Moinjodaro	41.5	42.0	78.5	40	0.0	3.0	0.7	0.0	4.0
Multan	38.3	39.3	78.5	50	27.0	1.3	3.7	1.3	5.3
Munree	21.9	23.2	76.3	81	4.1	2.0	8.0	1.3	0.0
Muzaffarabad	33.0	36.5	65.5	65	6.1	4.7	4.7	0.0	0.0
Nawabshah	41.0	41.5	70.5	58	1.1	5.0	1.3	0.0	6.7
Noorpurthal	36.9	38.5	79.3	49	0.1	0.0	7.0	6.7	2.0
Okara	35.5	37.0	82.4	64	***	0.0	6.7	0.0	2.0
Padidan	39.7	40.0	73.7	52	0.0	4.3	1.7	2.0	1.3
Panjgur	40.5	40.5	88.0	30	0.0	3.0	1.0	0.7	2.3
Parachinar	32.9	33.2	74.6	46	0.1	0.0	6.3	0.0	3.0
Pasni	32.0	32.5	87.9	54	0.0	4.7	1.3	3.0	7.3
Pattan	37.5	38.5	86.3	36	0.0	1.7	4.7	0.7	0.0
Peshawar	36.5	37.0	84.3	58	0.0	5.3	4.7	0.0	4.0
Quetta	33.0	35.5	88.3	***	0.0	2.0	5.3	3.3	5.3
Rahim Yar Khan	39.3	40.2	71.8	51	0.0	3.0	4.0	5.3	6.7
Rawalakot	26.3	27.0	89.0	75	0.0	4.7	5.3	1.3	0.0
Rohri	40.5	41.0	62.0	44	0.0	6.3	1.0	0.0	0.7
Sahiwal	33.7	37.0	84.8	58	0.0	2.3	5.7	2.0	3.3
Saidu Sharif	33.0	33.0	47.3	69	0.0	4.7	2.3	0.0	2.0
Sialkot	33.6	35.2	80.8	43	0.0	5.7	2.3	0.0	3.3
Sibbi	40.2	40.5	47.0	75	0.0	7.3	5.0	0.0	0.7
Skardu	29.7	31.0	53.0	47	0.0	3.3	0.0	0.0	0.0

\*\*\* Data not available