

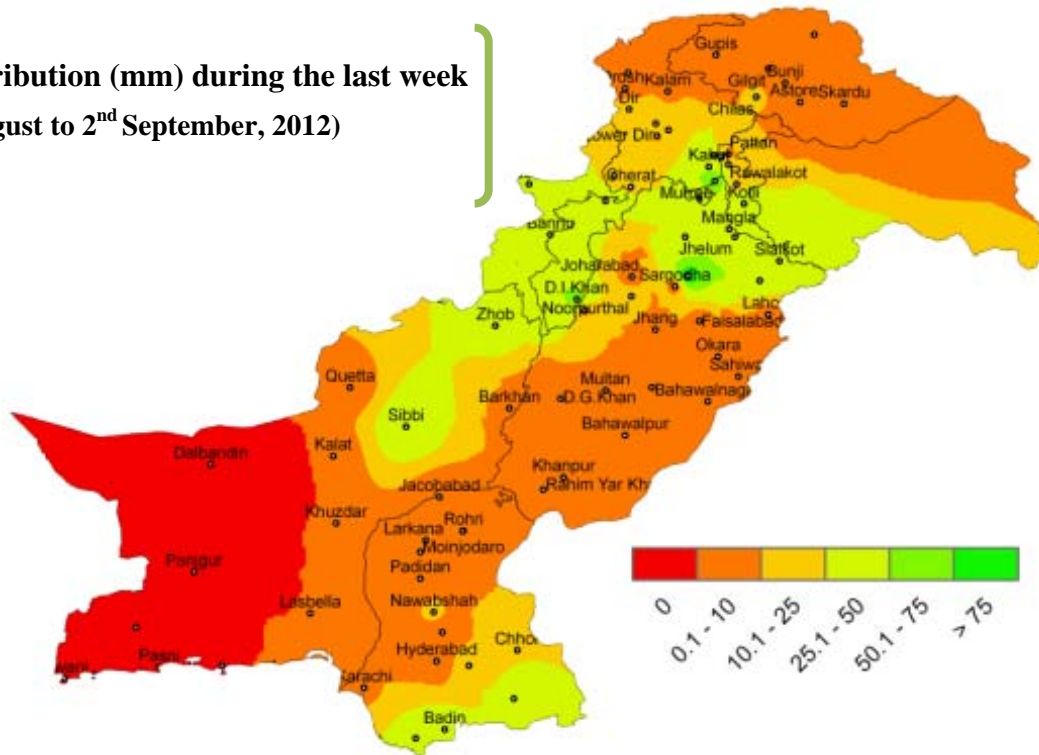
## Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall distribution (mm) during the last week  
(from 27<sup>th</sup> August to 2<sup>nd</sup> September, 2012)**



### Highlights of Past Weather (from 27<sup>th</sup> August to 2<sup>nd</sup>

#### September, 2012):

Although pace of monsoon currents has decreased but more rains have been produced in the country especially in upper-eastern parts of the country. Due to which light to moderate rainfall reported from scattered places of agricultural plains of Punjab, Khyber Pakhtoonkhwa, Gilgit Baltistan & Kashmir, Sindh & isolated places in north-eastern parts of Balochistan during the week. Whereas dry weather rainfall reported from rest of the agricultural plains of Sindh and Balochistan.

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## **Punjab**

Light to moderate rainfall reported from scattered places of agricultural plains in Punjab during the week, chief amount received from north-eastern parts of the province. Weekly maximum temperature and minimum temperature recorded as 35.7°C & 25.5°C respectively. For the present season on average 180.6 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 1.7/2.1 Knots. During the previous week the highest rainfall recorded at Mianwali as 100.1 mm and the extreme maximum temperature recorded at Rahim Yar Khan as 40.8°C.

## **Sindh**

Light to moderate rainfall reported from scattered places of agricultural plains in Sindh during the week. Weekly maximum temperature and minimum temperature recorded as 38.1°C & 26.8 °C respectively. For the present season on average 178.2 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 3.4/5.8 Knots. During the previous week the highest rainfall recorded at Thatta as 34.0 mm and extreme maximum temperature recorded at Paddidan as 42.5°C.

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

Light to moderate rainfall reported from scattered places agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 32.9°C & 21.1°C respectively. For the present season on average 144.1 growing degree days accumulated by the end of last week. Average relative humidity recorded as 72 % and wind speed in the morning/evening recorded as 1.1/2.0 Knots. During the previous week the highest rainfall recorded at D.I.Khan as 63.1 mm and the extreme maximum temperature recorded at Bannu as 39.0°C.

## **Balochistan**

Light rainfall reported from few of the agricultural plains in the north-eastern and central parts of the province. Weekly maximum temperature and minimum temperature recorded as 35.8°C & 20.9 °C respectively. For the present season on average 159.7 growing degree days accumulated by the end of last week. Average relative humidity recorded as 46 % and wind speed in the morning/evening recorded as 1.4/4.8 Knots. During the previous week the highest rainfall recorded at Sibbi as 49.0 mm and the extreme maximum temperature recorded at Turbat as 43.5°C.

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

Light to moderate rainfall reported from scattered places of agricultural plains of the specified region especially from Kashmir. Weekly maximum temperature and minimum temperature recorded as 32.5°C & 18.6 °C respectively. For the present season on average 147.0 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 0.4/3.7 Knots. During the previous week the highest rainfall recorded at Kotli as 41.1 mm and the extreme maximum temperature recorded at Chillas as 41.1°C.

## **Past Weather for Major Agricultural Plains**

(from 27<sup>th</sup> August to 2<sup>nd</sup> September, 2012)

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

Rainfall reported as 57.0 mm during the last week, cloudiness recorded in the morning/evening as 1.6/2.0 oktas and average relative humidity 70%. Mean day temperature recorded as 35.1°C & for the present season 173.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.1/2.8 Km/h.

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

Rainfall reported as Trace during the last week, cloudiness recorded in the morning/evening as 2.1/3.6 oktas and average relative humidity 65%. Mean day temperature recorded as 37.4°C & for the present season 189.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 6/5.7 Km/h.

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

Rainfall reported as 0.8 mm during the last week, cloudiness recorded in the morning/evening as 1/5 oktas and average relative humidity 60%. Mean day temperature recorded as 36.8°C & for the present season 185.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.1/3.0 Km/h.

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

No Rainfall reported during the last week, cloudiness recorded in the morning/evening as 0.8/2.4 oktas and average relative humidity 35%. Mean day temperature recorded as 33.3°C & for the present season 138.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.3/6.6 Km/h.

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

Weather remained dry with clear skies during the week and average relative humidity 65%. Mean day temperature recorded as 38.1°C & for the present season 193.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.6/6.3 Km/h.

## **Past Weather for sub regional Agri-cultural**

**Plains** (from 27<sup>th</sup> August to 2<sup>nd</sup> September, 2012)

### **Rohri**

No rainfall reported during the last week, cloudiness recorded in the morning/evening as 1.8/4.2 oktas and average relative humidity 59%. Mean day temperature recorded as 39.2°C & for the present season 203 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.2/5.0 Knots.

### **Skardu**

Rainfall reported as 0.2 mm during the last week, cloudiness recorded in the morning/evening as 3.3/5.2 oktas and average relative humidity 40%. Mean day temperature recorded as 31.3°C & for the present season 123.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/3.3 Knots.

### **Multan**

Rainfall reported as 1.1 mm during the last week, cloudiness recorded in the morning/evening as 1.9/4.2 oktas and average relative humidity 64%. Mean day temperature recorded as 38.4°C & for the present season 201.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/5.6 Knots.

### **Lahore**

Rainfall reported as 3.3 mm during the last week, cloudiness recorded in the morning/evening as 3.4/4.6 oktas and average relative humidity 74%. Mean day temperature recorded as 34.5°C & for the present season 178.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.3/0.8 Knots.

### **Saidu Sharif**

Rainfall reported as 8.0 mm during the last week, cloudiness recorded in the morning/evening as 3.1/2.2 oktas and average relative humidity 66%. Mean day temperature recorded as 32.9°C & for the present season 157.0 growing degree days accumulated by the end of last week. Wind speed

recorded in the morning/evening as Calm (no wind).

### **Gilgit.**

Rainfall reported as 0.2 mm during the last week, cloudiness recorded in the morning/evening as 3.3/4.2 oktas and average relative humidity 56%. Mean day temperature recorded as 34.0°C & for the present season 141.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/4.4 Knots.

### **Jhelum**

Rainfall reported as 27.1 mm during the last week, cloudiness recorded in the morning/evening as 3.4/3.0 oktas and average relative humidity 77%. Mean day temperature recorded as 35.2°C & for the present season 175.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/1.2 Knots.

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

Rainfall reported as 63.1 mm during the last week, cloudiness recorded in the morning/evening as 3.3/0.8 oktas and average relative humidity 68%. Mean day temperature recorded as 36.4°C & for the present season 183.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.8 Knots.

### **Peshawar**

Rainfall reported as 21.1 mm during the last week, cloudiness recorded in the morning/evening as 4.6/2.3 oktas and average relative humidity 80%. Mean day temperature recorded as 35.9°C and wind speed recorded in the morning/evening as 6.4/6.0 Knots.

### **Murree**

Rainfall reported as 71.2 mm during the last week, cloudiness recorded in the morning/evening as 5/7 oktas and average relative humidity 89%. Mean day temperature recorded as 22.4°C & for the present season 98.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/0.4 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:** 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:** Very Good condition, Flowering 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)**

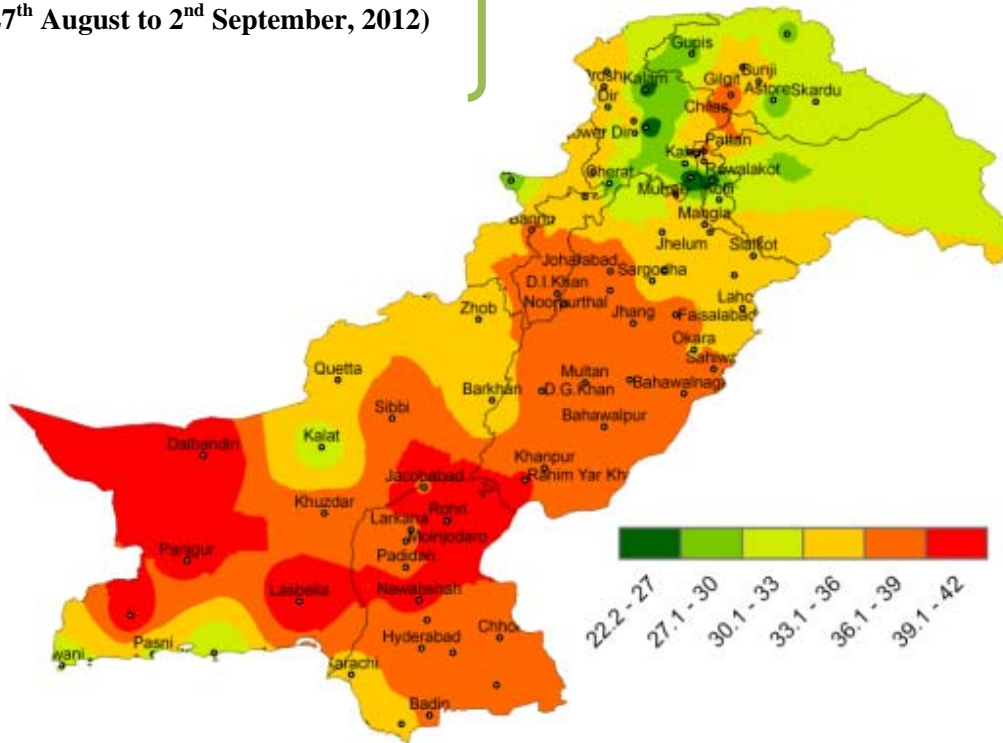
Presently no crop is grown in the fields.

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

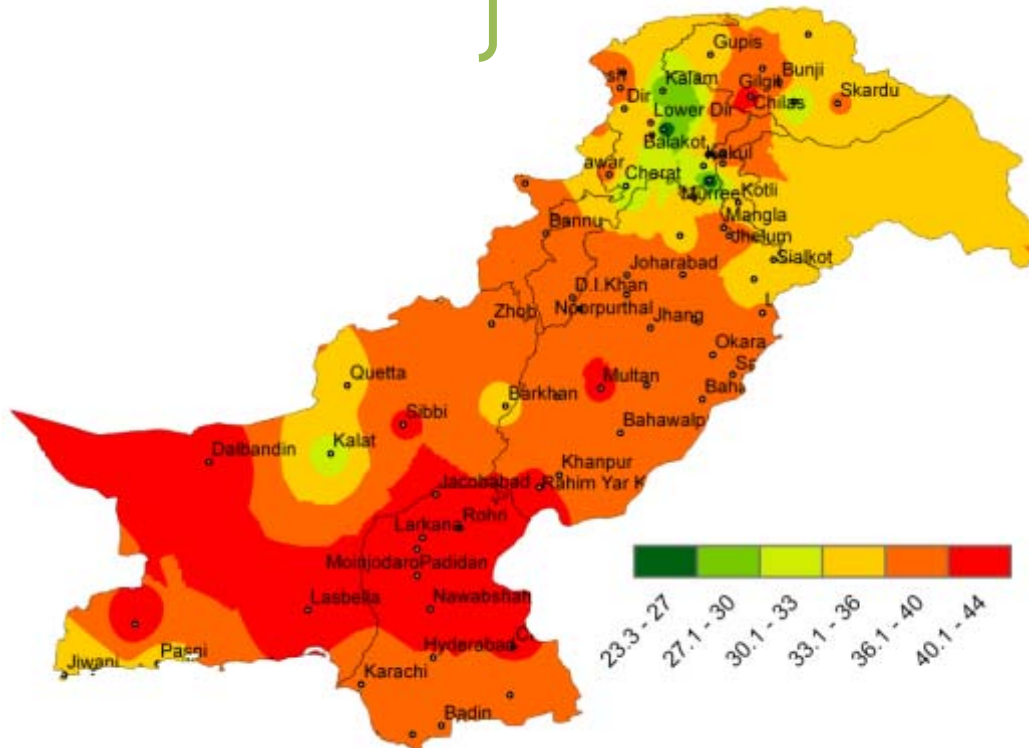
Presently one crop (Irrigated conditions) is grown at the station as detailed below;

**Rice:** Good condition at Tillering stage completed.

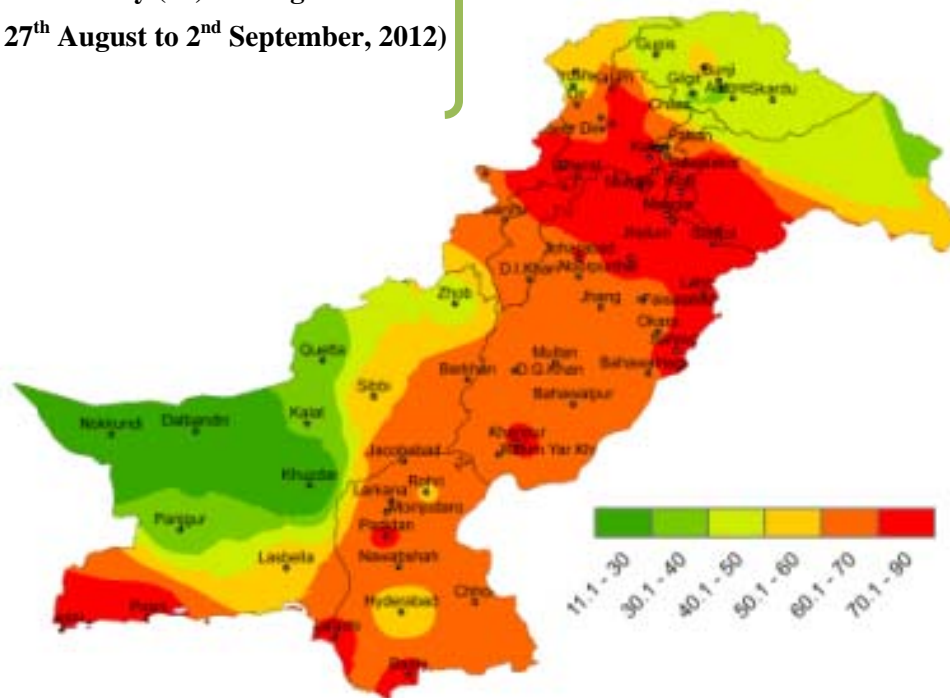
Mean maximum temperature (°C) during the last week (from 27<sup>th</sup> August to 2<sup>nd</sup> September, 2012)



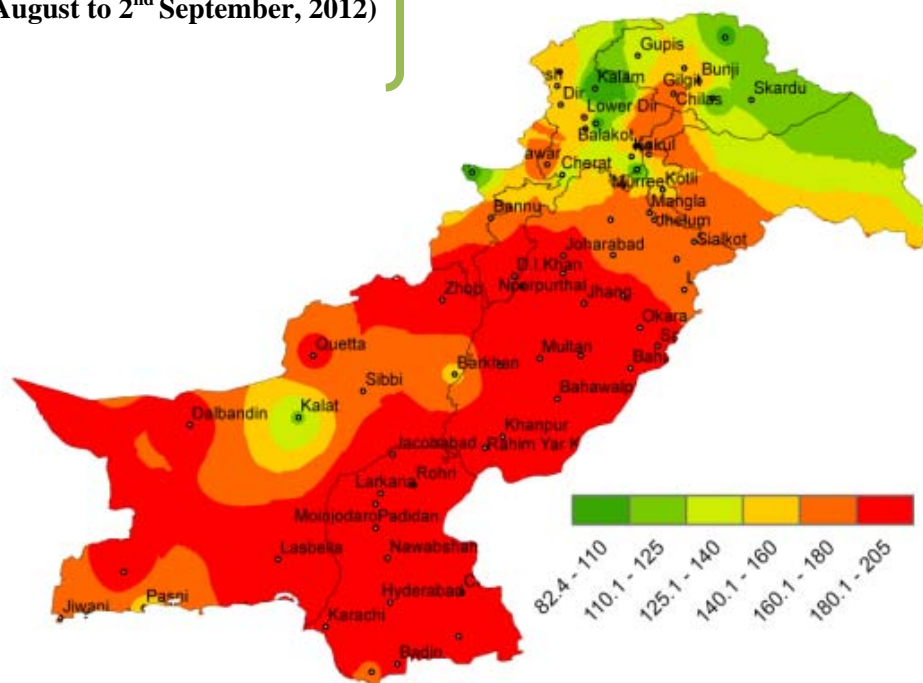
Extreme maximum temperature (°C) during the last week (from 27<sup>th</sup> August to 2<sup>nd</sup> September, 2012)



Mean relative humidity (%) during the last week (from 27<sup>th</sup> August to 2<sup>nd</sup> September, 2012)

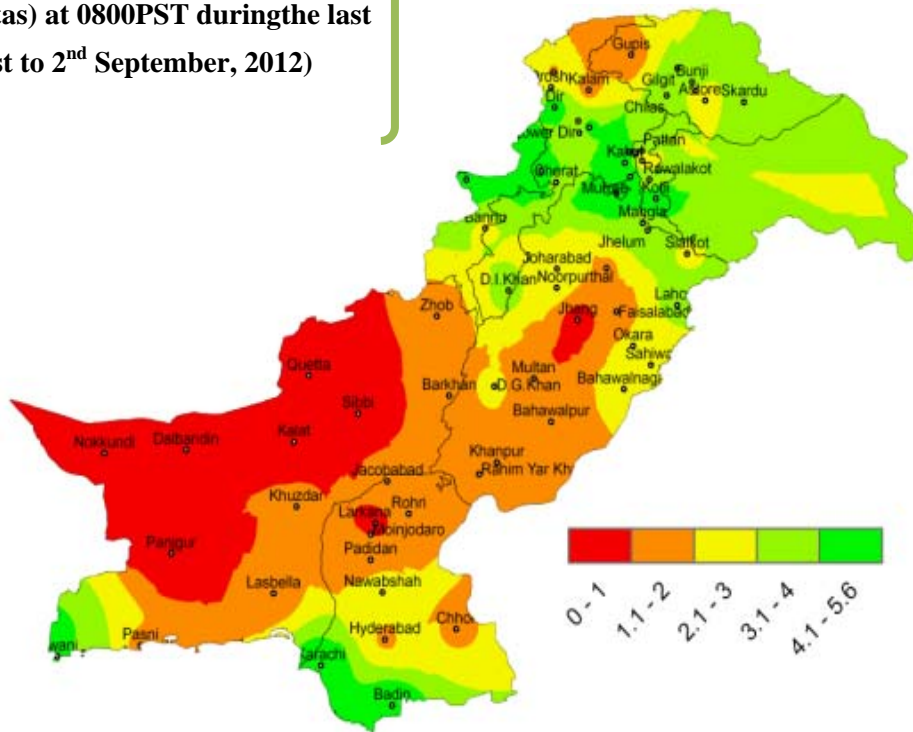


Total growing degree days accumulated during the last week (from 27<sup>th</sup> August to 2<sup>nd</sup> September, 2012)

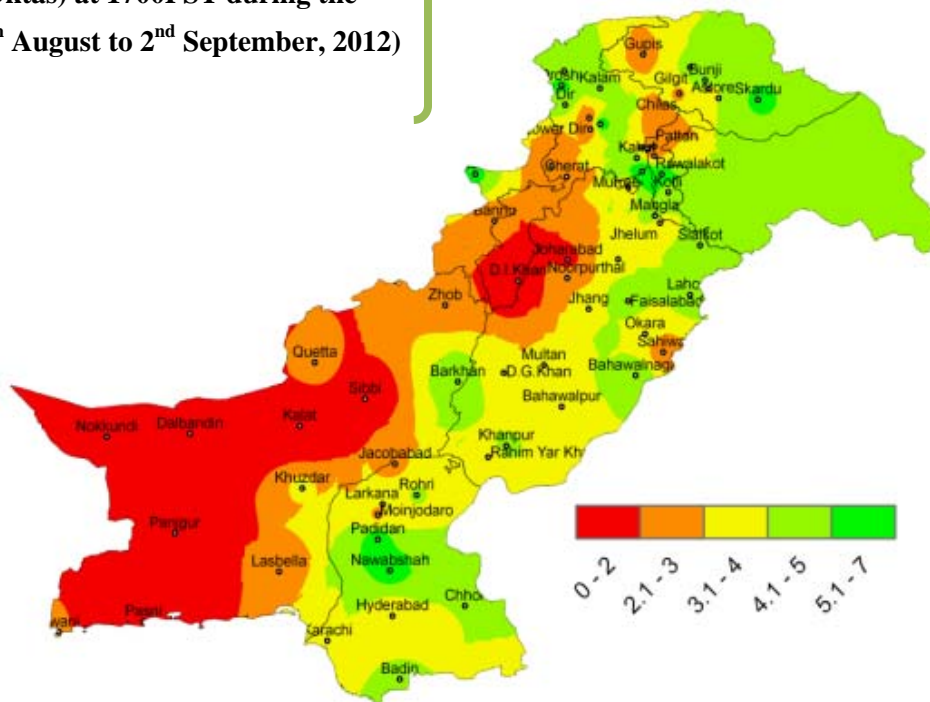




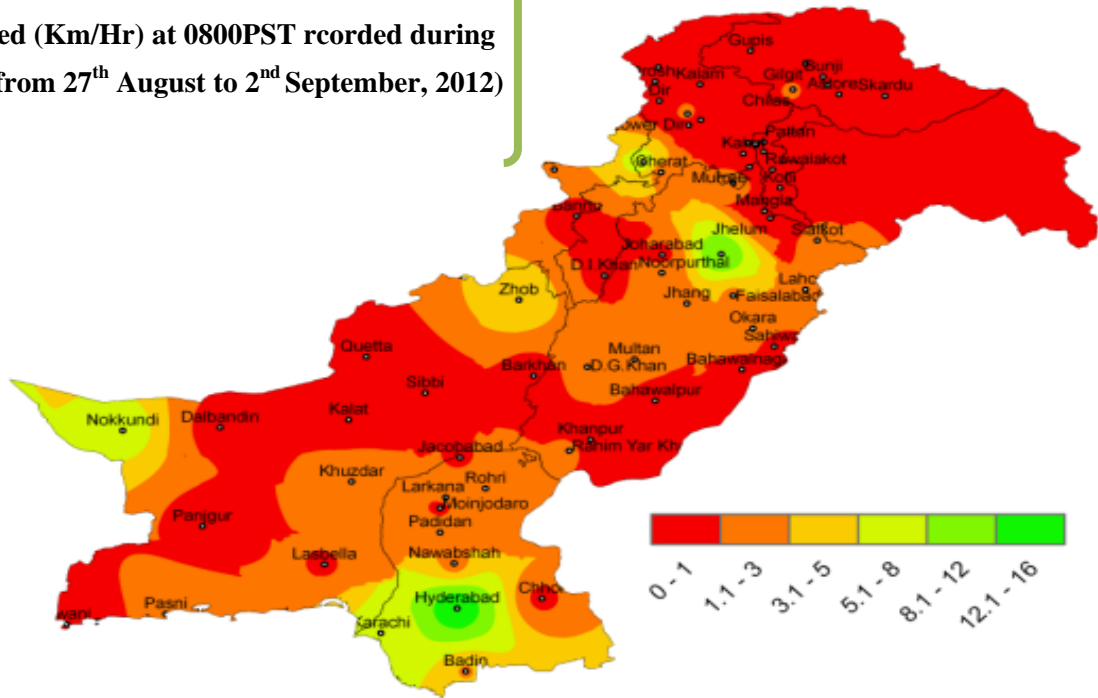
Mean Cloudiness (Oktas) at 0800PST during the last week (from 27<sup>th</sup> August to 2<sup>nd</sup> September, 2012)



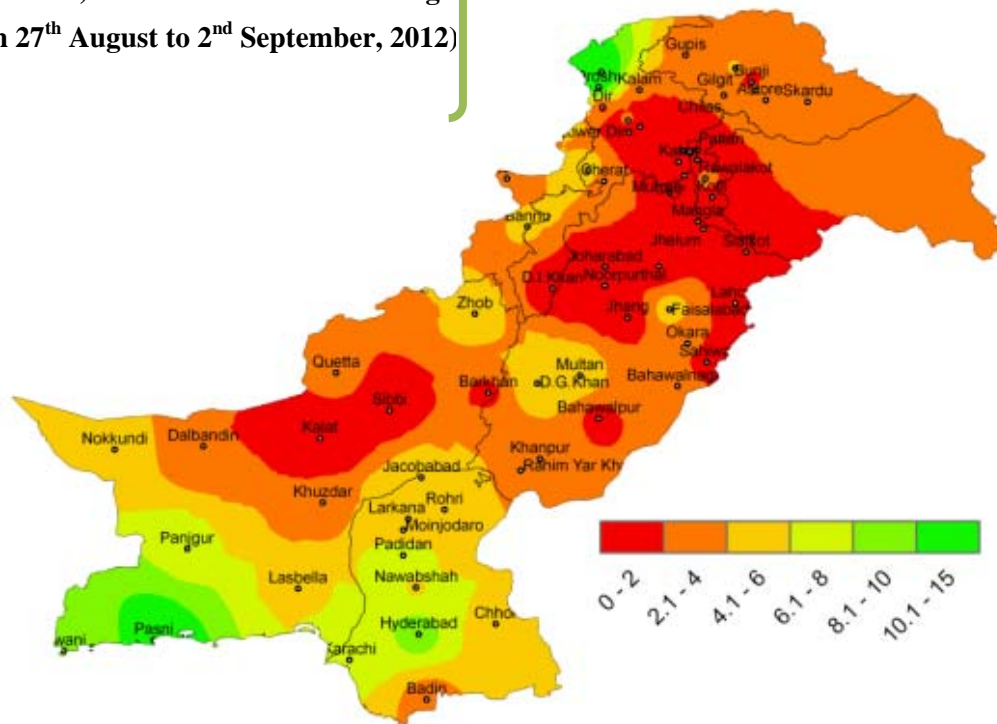
Mean Cloudiness (Oktas) at 1700PST during the last week (from 27<sup>th</sup> August to 2<sup>nd</sup> September, 2012)



Mean wind speed (Km/Hr) at 0800PST rcrded during the last week (from 27<sup>th</sup> August to 2<sup>nd</sup> September, 2012)



Mean wind speed (Km/Hr) at 1700PST rcrded during the last week (from 27<sup>th</sup> August to 2<sup>nd</sup> September, 2012)





## **Weekly Weather advisory for Farmers (from 3<sup>rd</sup> to 9<sup>th</sup> September, 2012)**

Monsoon currents would continue to penetrate over Kashmir, Punjab during first half of the week, then gripping most parts of the Sindh and Eastern parts of Balochistan during second half of the week. In the mean time westerly wave is likely to approach Northern half of the country on Tuesday/Wednesday. Active and enhanced Monsoon activity is expected in the country during the week.

### **Punjab including Islamabad:**

Scattered rain-thundershower with isolated heavy fall is expected over Upper Punjab (Islamabad, Rawalpindi, Lahore, Gujranwala, Faisalabad, Sahiwal & Sargodha divisions) during first half of the week. While Widespread rain/thundershower with isolated heavy to very heavy falls is expected over Punjab including Islamabad during second half of the week.

### **Khyber Pakhtunkhwa:**

Scattered rain-thundershower with isolated heavy fall is expected over Upper KP (Malakand, Hazara, Peshawar & Kohat divisions) during first half of the week. While Widespread Rain-Thundershower with isolated heavy falls is expected over KP during second half of the week.

### **Baluchistan:**

Mainly hot and dry weather is expected in most parts of the province during first half of the week. However, Scattered Rain/Thundershower with isolated heavy falls is likely at Eastern parts of the province during second half of the week.

### **Sindh:**

Mainly hot and humid weather is expected in most parts of the province during first half of the week. However, Widespread Rain/Thundershower with isolated heavy falls is expected in Sindh during second half of the week.

### **Kashmir:**

Scattered Rain-Thundershower with isolated heavy falls is expected over Kashmir during first half of the week. While Widespread rain-thundershower with isolated heavy to very heavy fall is expected over Kashmir during second half of the week.

### **Gilgit-Baltistan:**

Mainly dry weather is expected on Monday/Tuesday. Scattered rain/thunderstorm is expected during second half of the week.

### **Advises 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 27<sup>th</sup> August to 02<sup>nd</sup> September] 2012)

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	36.5	38.3	218.5	51	1.0	2.8	4.0	0.0	3.2
Badin	37.6	38.5	227.4	72	0.0	4.9	4.2	2.9	2.8
Bahawalnagar	37.3	39.5	223.7	70	0.0	2.4	5.0	0.6	3.6
Bahawalpur A/P	38.3	40.0	231.0	67	5.0	1.0	3.6	0.6	1.2
Balakot	38.1	39.5	230.2	74	0.2	4.6	4.0	0.0	0.8
Bannu	36.9	38.5	221.7	67	2.0	2.8	2.2	0.0	4.4
Barkhan	34.7	35.5	***	67	29.1	1.6	5.0	0.0	1.6
Bunji	38.3	39.5	231.9	53	0.0	3.6	5.2	1.1	0.4
Cherat	35.4	36.8	211.3	82	27.1	3.9	3.0	2.0	2.0
Chhor	37.8	39.4	227.7	67	0.0	1.9	4.0	0.6	4.8
Chilas	35.3	37.3	210.0	39	12.1	3.6	2.8	1.1	2.4
Chitral	34.7	36.2	206.7	58	3.3	1.8	4.2	0.0	14.4
D.G.Khan	34.9	36.6	207.9	68	95.0	2.3	3.0	2.0	6.0
D.I.Khan	36.0	37.5	***	68	100.1	3.3	0.8	0.6	0.8
Dalbandin	35.4	36.5	211.5	23	33.1	1.0	0.0	0.3	2.0
Dir	22.7	24.3	122.0	65	71.2	4.7	4.4	0.0	1.6
Drosh	38.3	40.0	231.0	41	25.0	3.0	5.4	0.9	10.8
Faisalabad	36.2	38.0	216.6	64	0.0	1.6	4.6	2.6	5.2
Garhi dopatta	39.6	40.8	240.6	69	0.1	2.3	3.0	0.0	0.4
Gawadar	33.7	34.5	199.7	72	38.1	3.5	0.8	0.0	8.8
Gilgit	36.3	37.3	218.1	56	0.0	3.3	4.2	0.0	4.4
Gupis	38.5	39.0	***	40	1.0	1.3	2.6	0.9	2.8
Hyderabad	34.4	35.6	204.6	51	43.0	1.9	3.0	15.6	9.2
Islamabad ZP	28.0	29.5	159.5	74	0.2	4.1	3.0	2.0	1.2
Jacobabad	35.6	37.8	212.2	67	1.0	1.4	2.8	0.9	5.2
Jhang	37.9	41.1	227.4	63	14.0	0.4	3.8	1.7	0.4
Jhelum	34.2	36.0	202.5	77	25.0	3.4	3.0	0.0	1.2
Joana	34.5	38.0	203.0	73	0.2	5.6	3.0	0.6	8.3
Joharabad	30.1	34.0	172.0	71	0.0	2.8	1.6	0.3	0.0
Kakul	33.2	34.4	196.1	79	41.1	4.6	4.4	0.0	0.4
Kalam	35.1	36.4	209.7	71	28.3	1.6	4.4	0.0	2.4
Kalat	25.7	26.5	***	30	13.1	0.3	0.0	0.0	1.0
Karachi airport	30.3	34.2	173.1	73	2.1	5.0	4.0	5.3	7.2
Khanpur	37.6	39.0	***	72	0.0	1.9	4.2	0.3	2.3
Khuzdar	32.0	36.4	184.2	12	0.2	1.3	3.2	2.4	2.3
Kotli	36.7	39.0	219.2	78	48.0	4.9	4.4	0.3	1.4
Lahore A/P	28.4	30.0	162.0	74	25.0	3.4	4.6	1.3	0.8
Larkana	36.7	38.7	220.1	66	63.1	0.7	3.0	1.3	5.7
Lasbela	33.1	35.0	194.6	55	22.0	1.3	2.3	0.9	5.5
Lower dir	36.2	36.5	218.0	65	20.0	3.3	1.8	1.7	2.8

Malam jabba	36.3	38.6	216.4	81	0.0	4.6	6.2	0.0	0.0
Mandi-bahu-din	29.8	31.5	171.5	79	49.0	1.9	3.8	11.9	0.4
Mangla	26.5	27.5	122.7	78	7.0	3.9	4.8	0.0	0.8
Moin-jo-daro	36.1	37.5	***	66	10.0	1.0	2.8	0.7	4.8
Multan	36.1	37.0	216.4	64	21.1	1.0	3.2	1.4	5.6
Murree	36.4	37.5	***	89	1.0	5.0	7.0	0.5	0.4
Muzaffarabad	33.1	34.5	195.5	68	8.0	3.9	2.6	0.3	0.6
Nawabshah	36.6	38.0	219.5	63	32.0	2.7	5.4	2.3	5.8
Noorpur thal	38.4	40.2	232.2	63	25.0	2.3	2.8	2.0	2.0
Okara	38.7	40.0	234.5	70	0.1	2.2	3.4	2.7	2.4
Radidan	35.3	37.3	209.8	73	7.1	1.8	5.8	2.3	7.2
Panigur	39.1	41.5	236.5	33	0.1	0.0	0.0	0.0	7.0
Parachinar	37.4	39.0	225.5	69	32.0	5.3	5.2	3.0	3.0
Pasni	39.7	40.5	242.0	81	14.0	1.8	1.0	3.0	12.7
Pattan	39.4	42.5	237.5	54	0.2	3.0	1.8	0.3	1.2
Peshawar city	40.8	41.0	***	80	2.0	4.6	2.3	6.4	6.0
Quetta	39.2	40.8	237.6	34	0.1	0.8	2.7	0.0	2.7
Rahim yar khan	35.4	36.5	212.0	67	34.0	1.2	3.6	1.2	4.0
Rawalakot	38.5	40.1	0.0	84	0.0	3.3	5.8	0.0	2.8
Rohri	33.6	35.0	198.5	59	6.1	1.8	4.2	2.2	5.0
Sahiwal	41.9	43.5	257.0	72	0.0	2.0	2.2	0.3	0.8
Saidu sharif	32.9	33.5	195.0	66	0.0	3.1	2.2	0.0	0.0
Sialkot A/P	41.2	42.5	252.0	74	0.0	2.9	4.6	1.4	1.6
Sibbi	32.6	33.5	192.0	60	0.0	0.0	0.8	0.0	0.4
Skardu	34.5	35.5	***	40	0.0	3.3	5.2	0.3	3.6
Zhob	34.9	36.5	208.0	44	32.0	1.2	2.6	5.0	5.0

\*\*\* Data not available