

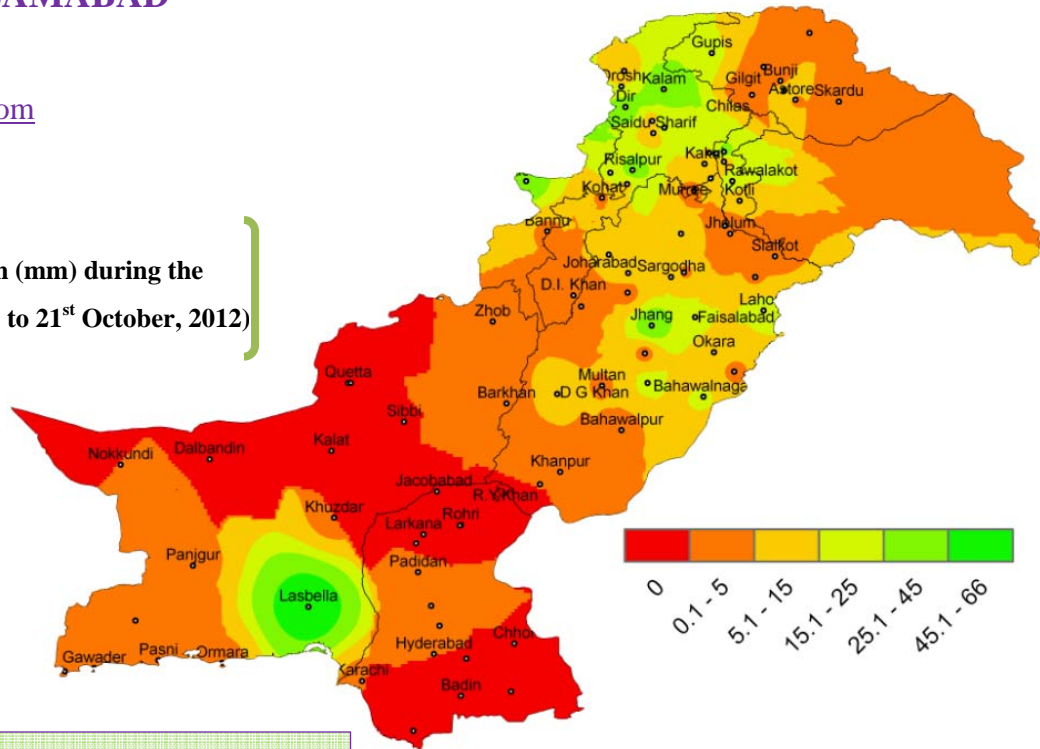
## Weekly Weather and Crop Bulletin for Pakistan

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Rainfall distribution (mm) during the  
last week (from 15<sup>th</sup> to 21<sup>st</sup> October, 2012)



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### Highlights of Past Weather (15<sup>th</sup> to 21<sup>st</sup> October, 2012)

Light to moderate rainfall occurred at most of the agricultural plains in Punjab, Khyberpakhtunkhwa, Gilgit Baltistan region and Kashmir, while a few places in Sindh and Balochistan provinces. Where as dry weather observed at most of the places insouthern parts of the country including Sindh and Balochistan provinces.

Chief Editor: Dr. Khalid Mehmood Malik (Director, NAMC)

Editor: Dildar Hussain Kazmi (Meteorologist)

## **Punjab**

Light to moderate rainfall reported from most of the agriculture plains of the province, during the last week. Weekly maximum temperature and minimum temperature recorded as 29.5°C & 17.9°C respectively. For the present season on average 125.4 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 1.0/2.0Knots. During the previous week the highest rainfall recorded at Jhang as 38.0 mm and the extreme minimum temperature recorded at Murree as 7.0°C.

## **Sindh**

Dry weather observed all over the province, during the week however rainfall in meager amount recorded at a single place "Nawabshah" as 0.1 mm. Weekly maximum temperature and minimum temperature recorded as 33.4°C & 21.5°C respectively. For the present season on average 158.5 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 1.7/3.8 Knots. During the previous week the extreme minimum temperature recorded at Mirpur Khas as 13.5°C.

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

Light to moderate rainfall reported from most of the agriculture plains of the province, during the last week. Weekly maximum temperature and minimum temperature recorded as 21.6°C & 10.5°C respectively. For the present season on average 72.9 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 0.8/2.3 Knots. During the previous week the highest rainfall recorded at Kalam as 30.0 mm and the extreme minimum temperature recorded at the same place as 2.5°C.

## **Balochistan**

Dry weather observed all over the province, during the week however light rainfall reported from a few places. Weekly maximum temperature and minimum temperature recorded as 30.0°C & 15.3°C respectively. For the present season on average 123.5 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 1.1/4.9 Knots. During the previous week the highest rainfall recorded at Lasbella as 66.1 mm and the extreme minimum temperature recorded at Kallat as 0.0°C.

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

Light to moderate rainfall reported from most of the agriculture plains of the region, during the last week. Weekly maximum temperature and minimum temperature recorded as 19.9°C & 8.7°C respectively. For the present season on average 64.9 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 0.4/2.6 Knots. During the previous week the highest rainfall recorded at Pattan as 37.0 mm and the extreme minimum temperature recorded at Astore as 1.0°C.

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

(from 15<sup>th</sup> to 21<sup>st</sup> October, 2012)

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

Rainfall reported as 3.0 mm during the last week with cloudiness in the morning/evening as 3.4/3.6 Oktas and average relative humidity observed as 67%. Mean night temperature recorded as 15.6°C & for the present season 117.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.2/1.6 Km/h.

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

Dry weather observed during the last week with cloudiness in the morning/evening as 0.7/0.0 Oktas and average relative humidity observed as 63%. Mean night temperature recorded as 21.1°C & for the present season 157.3 growing degree days accumulated by the end of last week.

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

Rainfall reported as 8.4 mm during the last week with cloudiness in the morning/evening as 1.1/1.9 Oktas and average relative humidity observed as 71%. Mean night temperature recorded as 16.4°C & for the present season 123.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6 Km/h.

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

Dry weather observed during the last week with cloudiness in the morning/evening as 0.6/0.0 Oktas and average relative humidity observed as 25%. Mean night temperature recorded as 5.2°C & for the present season 63.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 6.1/6.6 Km/h.

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

**Plains** (from 15<sup>th</sup> to 21<sup>st</sup> October, 2012)

### **Rohri**

Dry weather observed during the last week with cloudiness recorded in the morning/evening as 1.3/0.6 oktas and average relative humidity recorded as 61%. Mean night temperature recorded as 22.8°C & for the present season 158.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2/7.9 Knots.

### **Multan**

Rainfall recorded as 4.0 mm during the last week with cloudiness recorded in the morning/evening as 1.5/2.0 oktas and average relative humidity recorded as 66%. Mean night temperature recorded as 18.6°C & for the present season 135.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/3.7 Knots.

### **Lahore**

Rainfall recorded as 21.0 mm during the last week with cloudiness recorded in the morning/evening as 0.8/2.1 oktas and average relative humidity recorded as 63%. Mean night temperature recorded as 17.6°C & for the present season 127.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.3/0.6 Knots.

### **Jhelum**

Rainfall recorded as 2.0 mm during the last week with cloudiness recorded in the morning/evening as 3.3/1.7 oktas and average relative humidity recorded as 65%. Mean night temperature recorded as 16.3°C & for the present season 127.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/1.4 Knots.

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

Rainfall recorded as 0.1 mm during the last week with cloudiness recorded in the morning/evening as 0/2.1 oktas and average relative humidity

recorded as 65%. Mean night temperature recorded as 16.6°C & for the present season 127.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/0.6 Knots.

### **Peshawar**

Rainfall recorded as 13.0 mm during the last week with cloudiness in the morning/evening as 2.8/3.0 Oktas and average relative humidity observed as 66%. Mean night temperature recorded as 15.0°C & for the present season 110.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1/5.6 Knots.

### **Murree**

Rainfall recorded as 12.0 mm during the last week with cloudiness in the morning/evening as 2.7 Oktas and average relative humidity observed as 68%. Mean night temperature recorded as 8.5°C & for the present season 51.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1/1.1 Knots.

### **Saidu Sharif**

Rainfall recorded as 6.1 mm during the last week with cloudiness in the morning/evening as 3.3/4.4 Oktas and average relative humidity observed as 69%. Mean night temperature recorded as 12.5°C & for the present season 84.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/0.9 Knots.

### **Gilgit.**

Rainfall recorded as 0.4 mm during the last week with cloudiness in the morning/evening as 6.3/7.0 Oktas and average relative humidity observed as 65%. Mean night temperature recorded as 9.0°C & for the present season 71.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/3.1 Knots.

### **Skardu**

Dry weather observed during the last week, cloudiness recorded in the morning/evening as 4.7/6.9 Oktas and average relative humidity 52%.

Mean night temperature recorded as 4.2°C & for the present season 38.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/3.6 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 Wax Maturity stage.

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

There are two crops (irrigated conditions) grown in the fields as detailed below.

**Sugarcane:** Good condition, Tillering stage completed.

**Cotton:** Very Good condition, Boll-Opening stage completed.

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

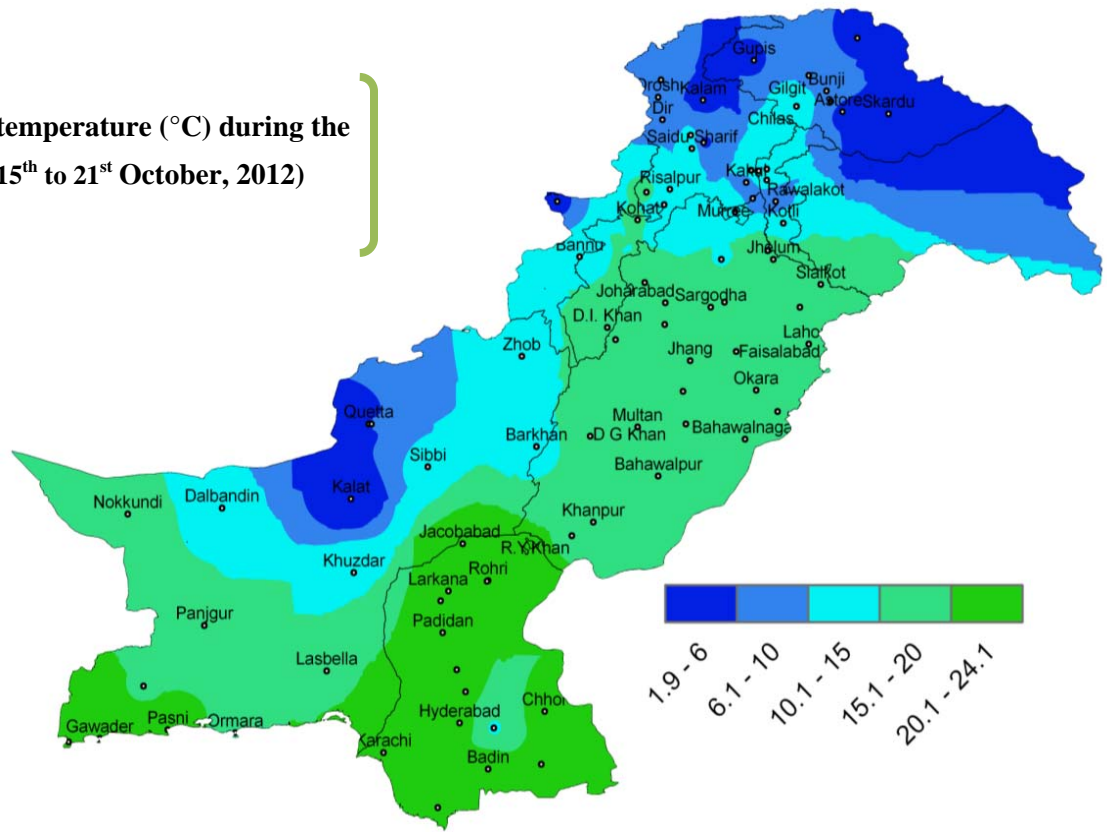
Presently only one crop (irrigated conditions) is grown in the fields as detailed below.

**Cotton (BT-886):** Good condition, final picking has been completed.

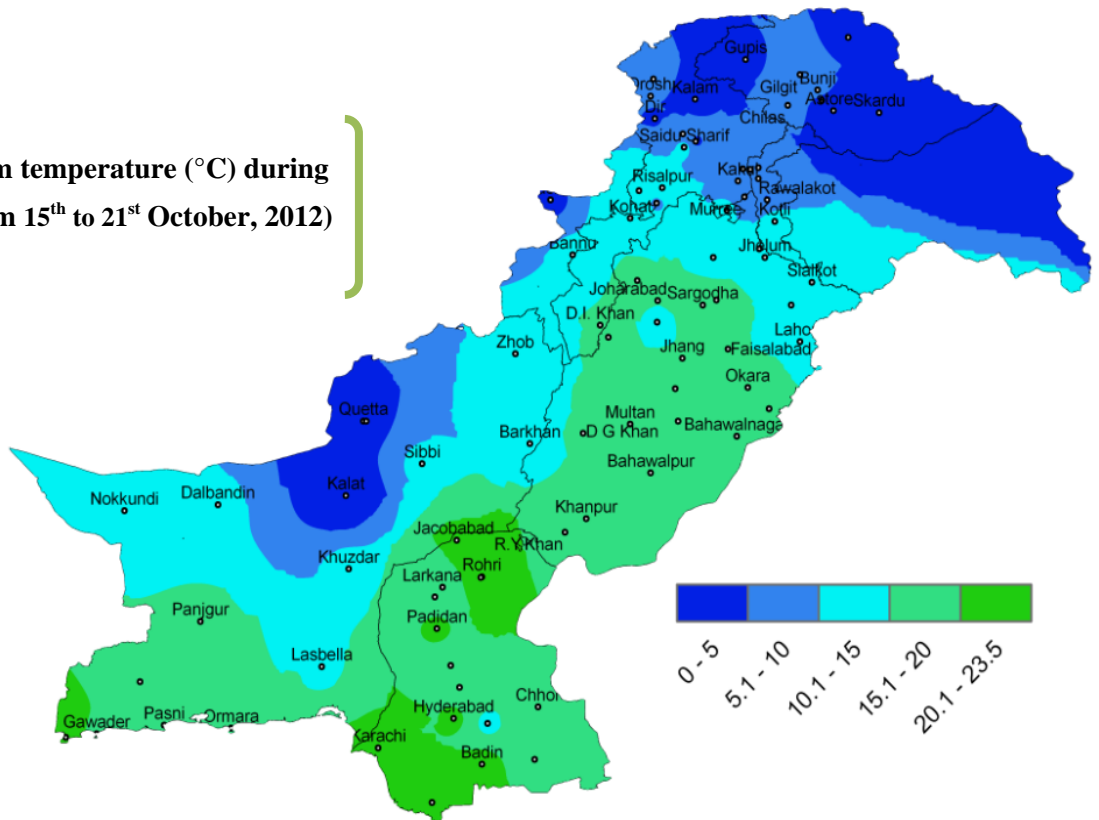
### **Northern Balochistan (Quetta)**

Presently no crop is grown in the fields.

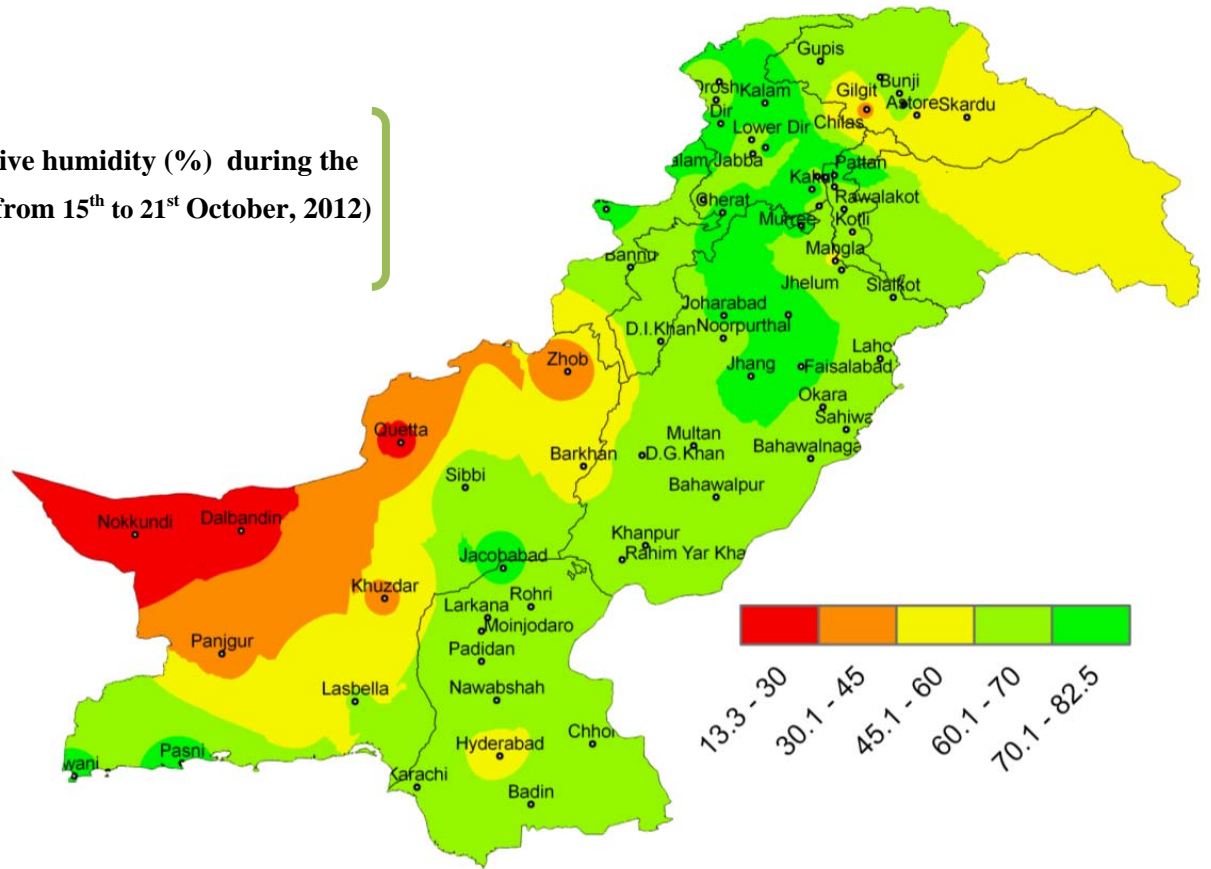
Mean minimum temperature (°C) during the last week (from 15<sup>th</sup> to 21<sup>st</sup> October, 2012)



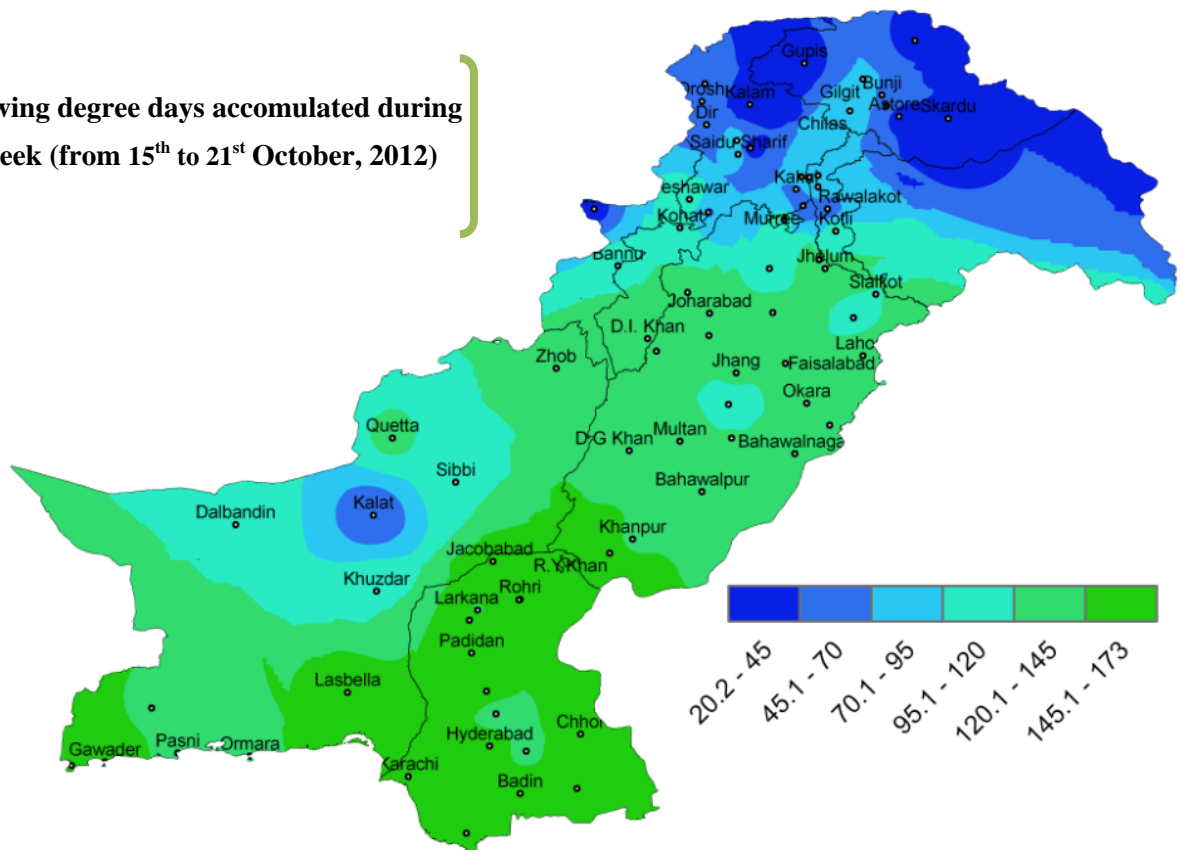
Extreme minimum temperature (°C) during the last week (from 15<sup>th</sup> to 21<sup>st</sup> October, 2012)



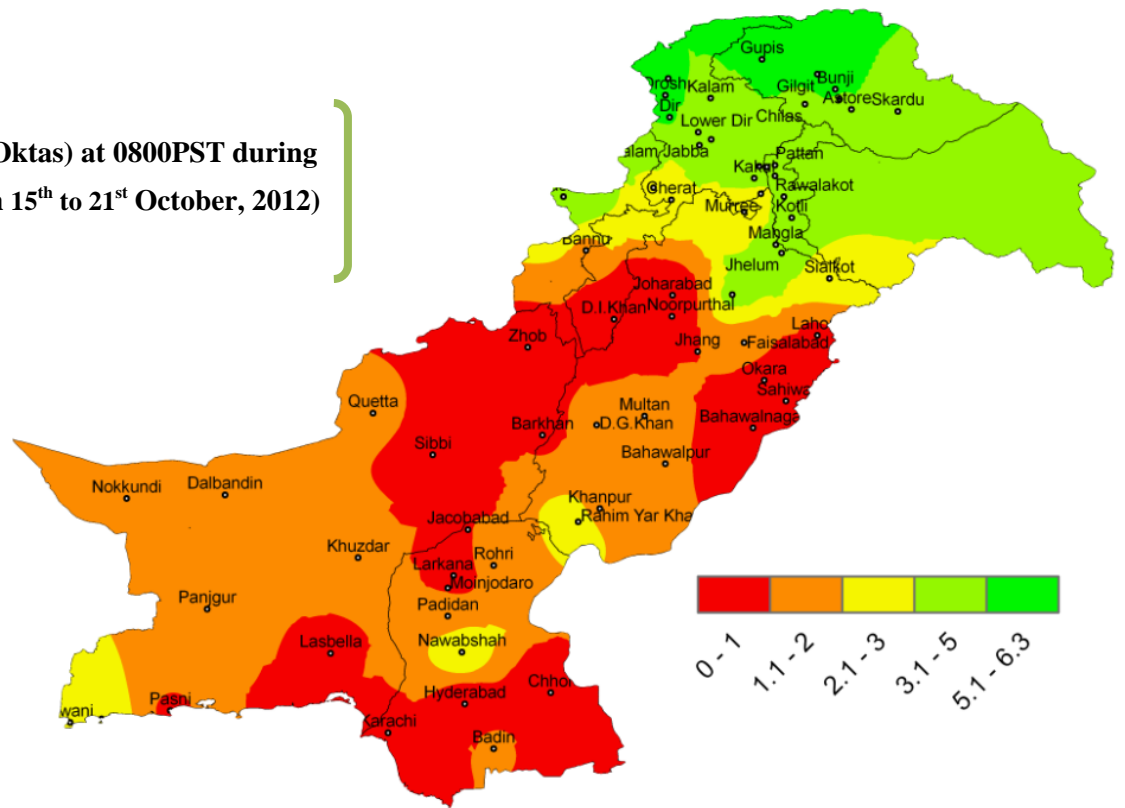
**Mean relative humidity (%) during the last week (from 15<sup>th</sup> to 21<sup>st</sup> October, 2012)**



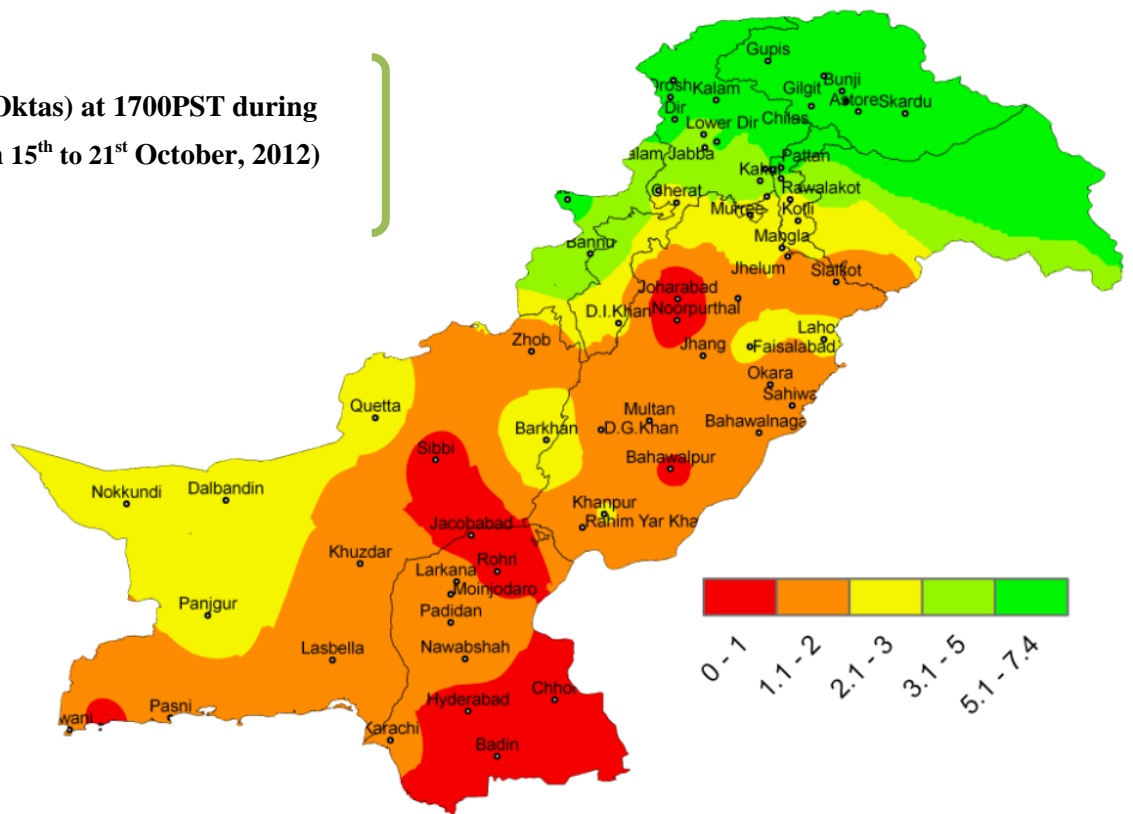
**Total growing degree days accumulated during the last week (from 15<sup>th</sup> to 21<sup>st</sup> October, 2012)**



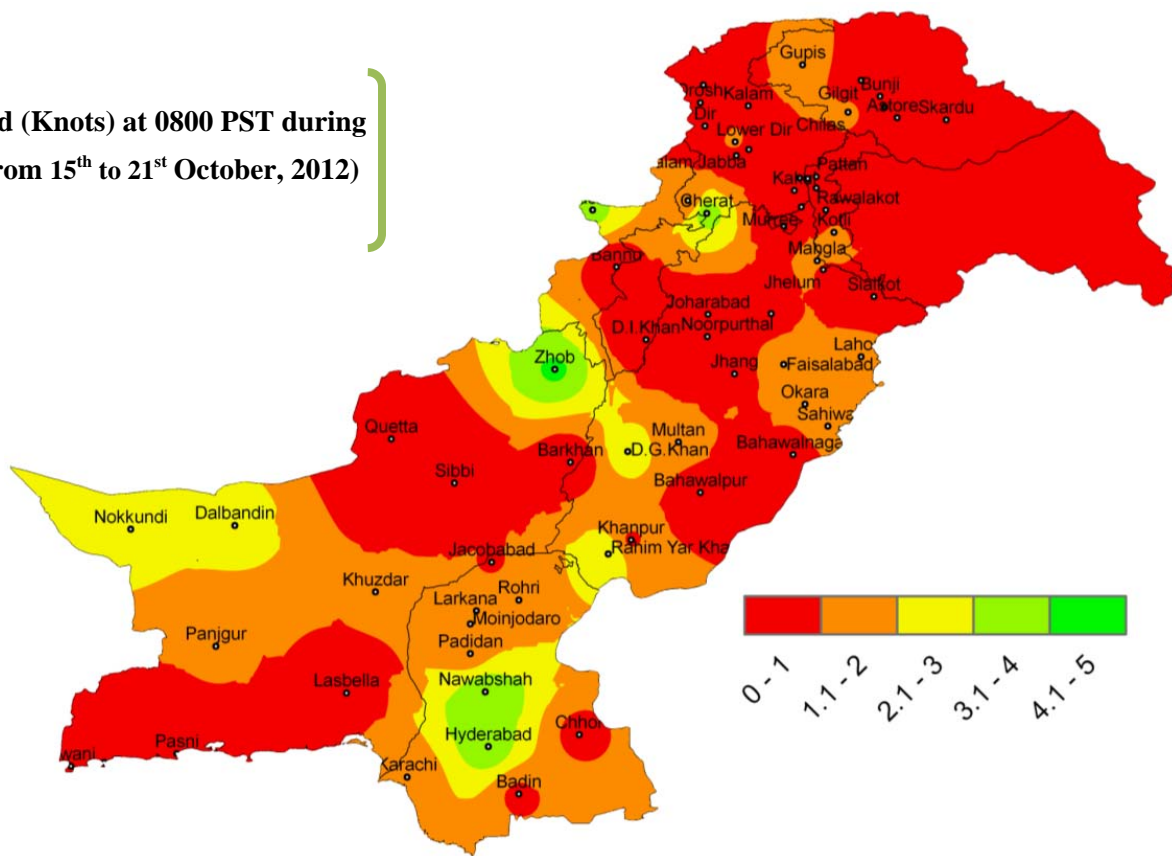
Mean Cloudiness (Oktas) at 0800PST during the last week (from 15<sup>th</sup> to 21<sup>st</sup> October, 2012)



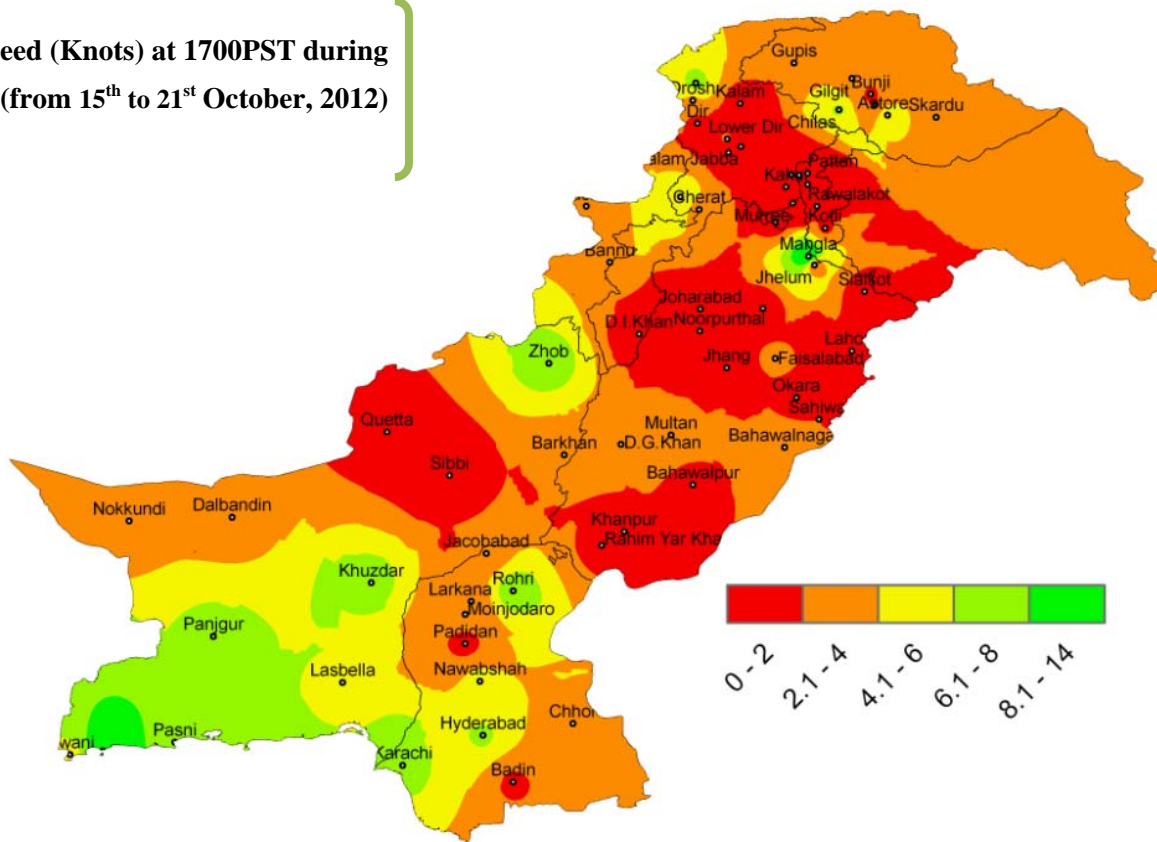
Mean Cloudiness (Oktas) at 1700PST during the last week (from 15<sup>th</sup> to 21<sup>st</sup> October, 2012)



Mean wind speed (Knots) at 0800 PST during the last week (from 15<sup>th</sup> to 21<sup>st</sup> October, 2012)



Mean wind speed (Knots) at 1700 PST during the last week (from 15<sup>th</sup> to 21<sup>st</sup> October, 2012)





## **Weekly Weather advisory for Farmers (from 22<sup>nd</sup> to 28<sup>th</sup> October, 2012)**

A trough of westerly wave is affecting northern parts of the country and likely to persist during next 24 to 36 hours. Continental air would prevail over most parts of the country during rest days of the week.

### **Punjab including Islamabad**

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

### **Khyber Pakhtunkhwa**

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

### **Baluchistan**

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

### **Sindh**

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

### **Kashmir**

Light rain may occur at few places of Kashmir on Monday/Tuesday. Dry weather is expected at most parts of the Kashmir during the remaining days of the week.

### **Gilgit-Baltistan**

Light rain likely at few places of Gilgit-Baltistan on Monday/Tuesday. Cold & Dry weather is expected at most parts of the G.B during the remaining days 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 & 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.

## National Weather Data of Selected Cities

(Weekly data from 15<sup>th</sup> to 21<sup>st</sup> October, 2012)

STATIONS	Minimum/Night Temperature (°C)		Growing Deg. Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Oktas) 0800 PST	Cloudiness (Oktas) 1700 PST	Wind Speed (Knots) 0800 PST	Wind Speed (Knots) 1700 PST
	Mean	Lowest							
Astore	2.3	1.2	31.5	46.6	1.1	0.4	5.4	0.0	2.3
Badin	23.6	23.0	176.8	66.6	0.0	0.0	0.6	2.0	4.3
Bahawalnagar	21.6	21.0	168.3	54.6	0.0	0.0	0.3	0.0	0.6
Bahawalpur	18.8	17.3	159.1	59.6	0.0	0.0	0.0	0.0	0.6
Balakot	12.8	12.2	110.5	57.9	3.0	1.4	4.9	0.0	0.4
Bannu	15.7	15.0	139.2	48.8	0.1	0.0	2.3	0.0	0.0
Barkhan	14.4	13.5	131.8	34.5	0.0	0.0	0.3	0.0	1.1
Bunji	8.3	7.5	81.1	60.3	0.0	3.0	6.4	0.0	0.9
Cherat	15.7	14.0	***	50.6	5.0	1.0	2.0	3.2	2.6
Chhor	20.1	18.5	164.6	59.0	0.0	1.4	0.0	1.6	3.7
Chilas	16.3	15.4	123.1	25.3	0.1	2.0	4.6	0.0	1.4
Chitral	8.7	6.5	91.0	59.3	0.0	2.8	4.0	1.2	5.7
D g khan	20.3	18.6	157.9	59.1	0.0	0.0	1.0	2.0	2.3
D.I. Khan	17.6	16.0	144.8	62.9	0.0	0.0	0.3	0.0	0.6
Dalbandin	12.6	10.5	135.3	29.3	0.0	0.0	2.1	0.0	3.7
Dir	7.9	6.0	82.0	61.4	30.0	1.3	4.0	0.0	1.7
Drosh	10.8	9.9	100.3	29.5	8.0	2.8	5.3	0.0	4.3
Faisalabad	19.0	18.0	150.8	55.7	5.0	0.0	0.1	0.0	3.1
Garidopatta	13.4	12.0	120.0	55.7	5.0	1.6	0.6	0.0	0.0
Gawader	18.5	16.0	146.5	79.4	0.0	1.3	0.0	0.0	8.9
Gilgit	6.5	5.5	75.9	59.4	0.1	2.0	4.7	0.0	2.3
Gupis	6.5	6.0	59.5	43.8	2.0	1.4	3.7	0.8	2.3
Hyderabad	21.4	20.5	169.5	66.0	0.0	0.0	0.6	7.0	11.7
Islamabad	15.5	13.8	130.2	65.2	5.1	0.5	0.9	0.3	0.0
Jacobabad	23.0	22.0	169.1	70.7	0.0	0.0	0.0	0.0	1.0
Jhang	19.3	18.0	154.3	56.2	2.0	0.0	0.0	0.7	1.1
Jhelum	18.6	18.0	149.3	66.1	0.1	1.2	1.4	0.0	1.7
Jiwani	24.1	24.0	161.6	79.5	0.0	0.8	0.4	1.0	5.7
Joharabad	18.7	17.0	150.3	64.8	0.0	0.0	0.1	0.0	1.1
Kakul	10.6	10.0	94.9	61.5	20.0	0.0	1.4	0.0	0.6
Kalam	4.4	3.0	35.8	63.2	7.0	4.0	5.6	0.0	2.6
Karachi	24.1	22.5	167.9	70.3	0.0	1.8	1.1	0.0	6.9
Khanpur	19.0	17.7	156.8	61.0	0.0	0.3	0.0	0.0	0.3
Khuzdar	13.9	13.0	126.3	35.9	0.0	0.0	0.0	0.0	8.0

Kotli	16.5	15.1	132.2	52.9	1.0	0.0	0.0	1.3	1.1
Lahore	19.5	18.8	151.1	55.5	0.0	0.0	0.0	0.0	0.9
Larkana	21.1	21.0	156.8	63.0	0.0	0.0	0.0	0.5	3.7
Lasbella	19.7	18.0	166.0	56.3	0.0	0.0	0.0	0.0	7.4
Lower dir	14.1	12.0	124.3	47.0	3.0	1.6	2.4	3.6	2.0
Malam Jabba	6.8	5.3	44.9	62.0	7.0	1.0	2.9	0.0	0.0
Mandibahudin	19.4	19.0	149.9	74.3	3.0	0.0	1.0	0.0	0.0
Mangla	17.1	16.4	141.7	65.8	0.1	0.0	0.9	0.0	1.1
Mir Khani	11.8	11.0	98.9	39.6	9.0	2.2	4.3	0.6	2.1
Moen-Jo-Daro	18.6	17.0	158.9	62.4	0.0	0.0	0.0	0.0	2.3
Multan	21.0	20.0	161.3	53.2	0.0	0.0	1.0	0.8	3.4
Murree	11.3	10.2	78.2	57.5	5.0	0.6	1.6	2.0	0.9
Muzaffarabad	14.3	13.8	126.2	55.8	10.0	0.6	3.1	0.0	0.0
Nokkundi	19.5	17.7	***	14.1	0.0	0.0	0.3	3.5	3.7
Noorpurthal	17.8	16.0	154.4	54.6	18.0	0.0	0.0	0.0	0.6
Okara	19.4	18.8	155.2	62.3	0.0	0.0	0.6	0.3	0.3
Padidan	20.5	19.5	164.0	62.4	0.0	0.0	0.0	0.0	1.4
Panjgur	15.1	13.0	***	43.0	0.0	0.0	0.0	1.5	7.0
Parachinar	5.3	4.5	42.0	55.6	25.1	4.2	4.6	4.2	3.6
Pasni	19.2	17.5	129.8	81.0	0.0	0.0	0.3	0.0	8.9
Pattan	13.6	12.0	115.4	74.9	4.0	0.5	4.9	0.0	0.3
Peshawar	19.0	18.0	141.0	67.2	0.1	1.0	1.7	2.0	0.9
Quetta	5.8	3.0	***	25.4	0.0	0.0	1.0	0.0	1.7
R.Y.Khan	19.7	18.5	163.2	63.1	0.0	0.0	0.3	0.3	0.6
Rawalakot	7.0	6.5	69.3	64.0	0.1	0.0	0.6	0.0	2.3
Rohri	22.8	21.5	169.5	49.9	0.0	0.0	0.0	0.0	1.4
Sahiwal	18.1	17.4	149.2	61.2	0.0	0.0	0.3	1.0	0.7
Saidu Sharif	12.7	11.0	109.9	57.1	14.0	1.2	2.9	0.0	0.0
Shaheed Benazirabad	18.9	17.5	162.3	57.8	0.0	0.0	0.0	2.8	3.3
Sialkot	18.5	17.2	140.8	64.3	0.0	0.0	0.0	0.0	0.3
Sibbi	12.8	11.0	116.8	70.0	0.0	0.0	0.0	0.0	0.0
Skardu	3.8	2.0	46.8	50.5	0.0	1.8	5.9	0.0	3.1
Zhob	13.1	12.0	141.0	27.2	0.0	0.0	0.9	5.0	5.6

\*\*\* Data not available