

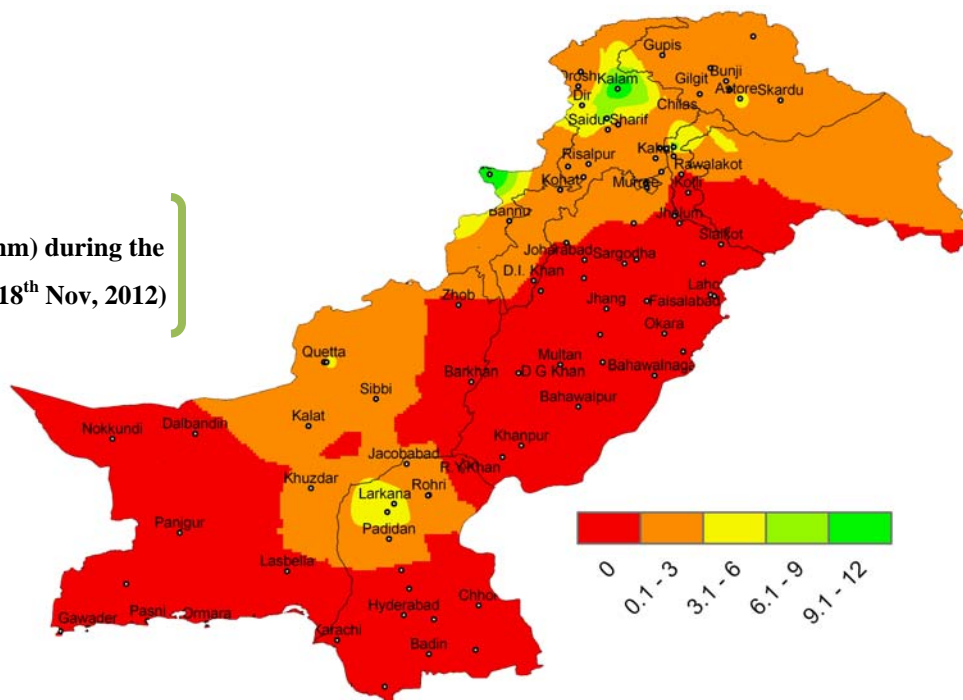
## Weekly Weather and Crop Bulletin for Pakistan

NATIONAL AGROMET CENTRE  
PAKISTAN METEOROLOGICAL DEPARTMENT  
SECTOR H-8/2, ISLAMABAD

Phone: +92-51-9250592

email: [dirnamc@yahoo.com](mailto:dirnamc@yahoo.com)

Rainfall distribution (mm) during the  
last week (from 12<sup>th</sup> to 18<sup>th</sup> Nov, 2012)



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### Highlights of Past Weather (12<sup>th</sup> to 18<sup>th</sup> Nov, 2012)

Dry & cold weather reported from most of the agricultural plains of the country. Light rainfall reported from isolated places in Khyberpakhtunkhwa, Gilgit Baltistan & Azad Kashmir region and a few places in Punjab, Sindh and Balochistan provinces.

Chief Editor: Dr. Khalid Mehmood Malik (Director)

Editor: Dildar Hussain Kazmi (Meteorologist)

## **Punjab**

Dry & cold weather observed all over the province, during the week however rainfall of 0.1 mm reported from a single place "Islamabad". Weekly maximum temperature and minimum temperature recorded as 26.5°C & 11.5°C respectively. For the present season on average 97.0 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 0.9/0.3 Knots. During the previous week extreme minimum temperature recorded as 6.5°C at Murree.

## **Sindh**

Dry & cold weather observed all over the region, during the week however light rainfall reported from a few places. Weekly maximum temperature and minimum temperature recorded as 31.6°C & 16.1°C respectively. For the present season on average 132.3 growing degree days accumulated by the end of last week. Average relative humidity recorded as 62 % and wind speed in the morning/evening recorded as 0.8/1.7 Knots. During the previous week rainfall recorded as 6.0 mm at Moenjo Daro whereas the extreme minimum temperature recorded as 11.0°C at Mirpur Khas.

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

During the week however light rainfall reported from scattered places. Weekly maximum temperature and minimum temperature recorded as 20.9°C & 5.9°C respectively. For the present season on average 55.4 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 0.9/1.4 Knots. During the previous week rainfall recorded as 12 mm at Parachinar whereas the extreme minimum temperature recorded as 0.0°C at Kalam.

## **Balochistan**

Dry & cold weather observed all over the region, during the week however light rainfall reported from a few places. Weekly maximum temperature and minimum temperature recorded as 27.7°C & 11.4°C respectively. For the present season on average 106.4 growing degree days accumulated by the end of last week. Average relative humidity recorded as 47 % and wind speed in the morning/evening recorded as 1.9/5.0 Knots. During the previous week the highest rainfall recorded at Quetta as 5.0 mm and extreme minimum temperature recorded as -3.5°C at Kalat.

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

Dry & cold weather observed all over the region, during the week however light rainfall reported from scattered places. Weekly maximum temperature and minimum temperature recorded as 19.3°C & 3.3°C respectively. For the present season on average 41.2 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 0.6/1.6 Knots. During the previous week the highest rainfall recorded at Pattan as 9.0 mm and extreme minimum temperature recorded as -7.7°C at Skardu.

## **Past Weather for Major Agricultural Plains (from 12<sup>th</sup> to 18<sup>th</sup> Nov, 2012)**

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

Dry and cold weather observed during the last week with cloudiness in the morning/evening as 1.6/2.1 oktas while average relative humidity observed as 72%. Mean night temperature recorded as 8.5°C & for the present season 81.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.5/1.8 Km/h.

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

Dry weather observed during the last week with clear skies while average relative humidity observed as 68%. Mean night temperature recorded as 15.7°C & for the present season 133.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.6 Km/h.

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

Dry weather observed during the last week with cloudiness in the morning/evening as 0/1.3 oktas while average relative humidity observed as 63%. Mean night temperature recorded as 11.4°C & for the present season 98.8 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as Calm (no wind) Km/h.

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

Rainfall recorded as 2.4 mm during the last week with cloudiness in the morning/evening as 0.7/0.6 oktas while average relative humidity observed as 37%. Mean night temperature recorded as 4.7°C & for the present season 47.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2/4.7 Km/h.

## **Past Weather for sub regional Agri-cultural Plains (from 12<sup>th</sup> to 18<sup>th</sup> Nov, 2012)**

### **Rohri**

Dry weather with clear skies observed during the last week while average relative humidity recorded as 59%. Mean night temperature recorded as 17.1°C & for the present season 128.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.7 Knots.

### **Multan**

Dry weather with with cloudiness recorded in the morning/evening as 1.6/0.4 oktas and average relative humidity recorded as 74%. Mean night temperature recorded as 13.7°C & for the present season 106.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.0 Knots.

### **Lahore**

Dry weather with with cloudiness recorded in the morning/evening as 0.4/0.9 oktas and average relative humidity recorded as 69%. Mean night temperature recorded as 12.8°C & for the present season 99.9 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as Calm (no wind) Knots.

### **Zhob**

Dry weather with with cloudiness recorded in the morning/evening as 0/1.9 oktas and average relative humidity recorded as 31%. Mean night temperature recorded as 7.9°C & for the present season 104.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.6/8.4 Knots.

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

Dry weather with with cloudiness recorded in the morning/evening as 1.6/1.1 oktas and average relative humidity recorded as 81%. Mean night temperature recorded as 11.0°C & for the present season 93.8 growing degree days accumulated by

the end of last week. Wind speed recorded in the morning/evening as 0/0.6 Knots.

### **Parachinar**

Rainfall recorded as 12.0 mm during the last week with cloudiness in the morning/evening as 4.0/4.6 Oktas and average relative humidity observed as 63%. Mean night temperature recorded as 0.5°C & for the present season 14.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.3/3.6 Knots.

### **Murree**

Dry weather observed during the last week with cloudiness in the morning/evening as 0.6/1.3 Oktas and average relative humidity observed as 60%. Mean night temperature recorded as 7.5°C & for the present season 55.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/0.3 Knots.

### **Saidu Sharif**

Rainfall recorded as 0.4 mm during the last week with cloudiness in the morning/evening as 0/2.6 Oktas and average relative humidity observed as 62%. Mean night temperature recorded as 5.7°C & for the present season 58.9 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as Calm (no wind) Knots.

### **Gilgit.**

Rainfall recorded as 2.0 mm during the last week with cloudiness in the morning/evening as 3.0/3.4 Oktas and average relative humidity observed as 66%. Mean night temperature recorded as 0.6°C & for the present season 36.5 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as Calm (no wind) Knots.

### **Skardu**

Dry weather observed during the last week, cloudiness recorded in the morning/evening as 3.6/3.3 Oktas and average relative humidity as

56%. Mean night temperature recorded as -5.0°C and wind speed recorded in the morning/evening as 0/0.3 Knots.

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

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

No crop is grown in the fields at present.

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

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

**Sugarcane:** Good condition, Third leaf stage completed.

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

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

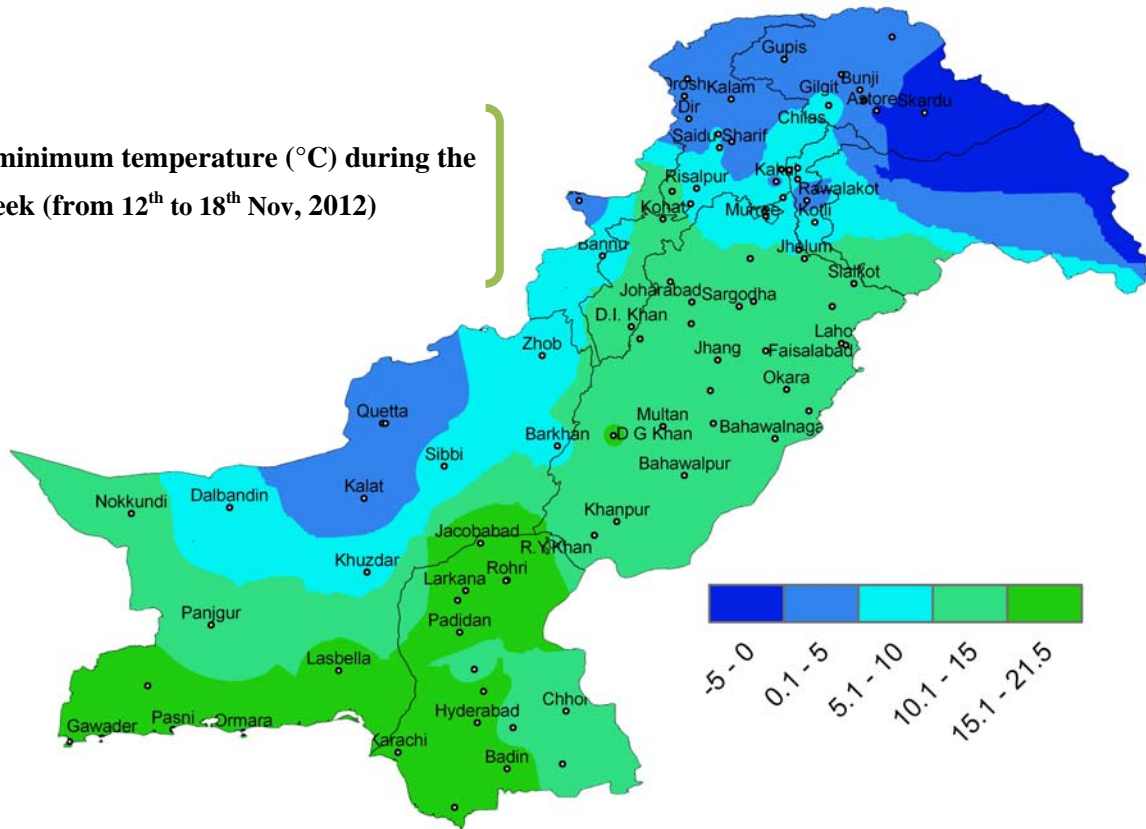
There is presently one crop (irrigated conditions) grown in the fields as detailed below.

**Wheat (TJ-83):** Sown on 06-11-12, Good condition, at Emergence.

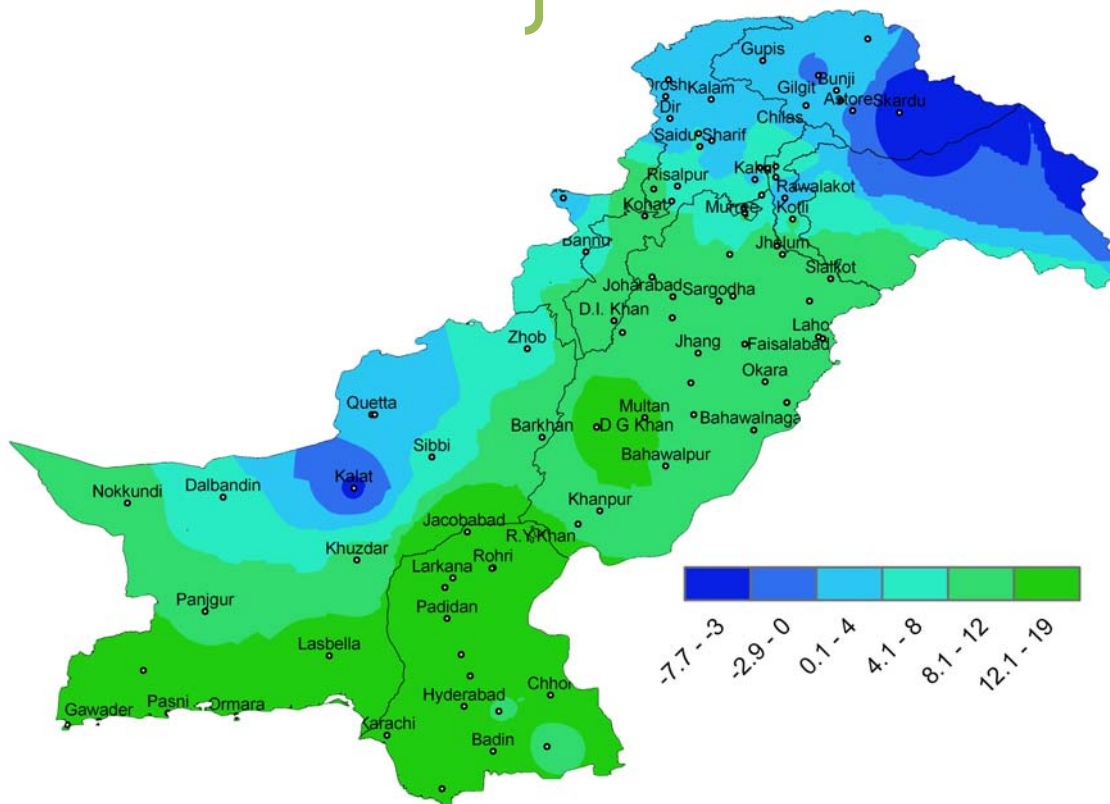
### **Northern Balochistan (Quetta)**

No crop is grown in the fields, so for.

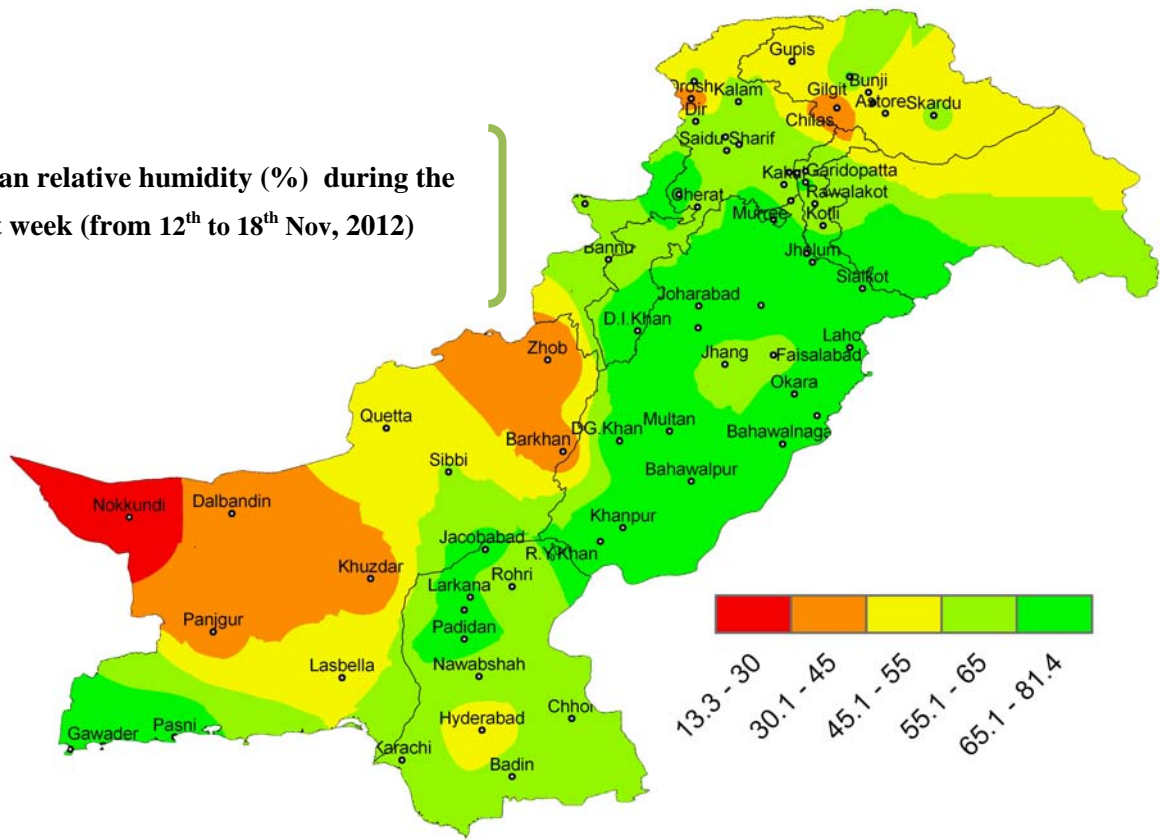
Mean minimum temperature (°C) during the last week (from 12<sup>th</sup> to 18<sup>th</sup> Nov, 2012)



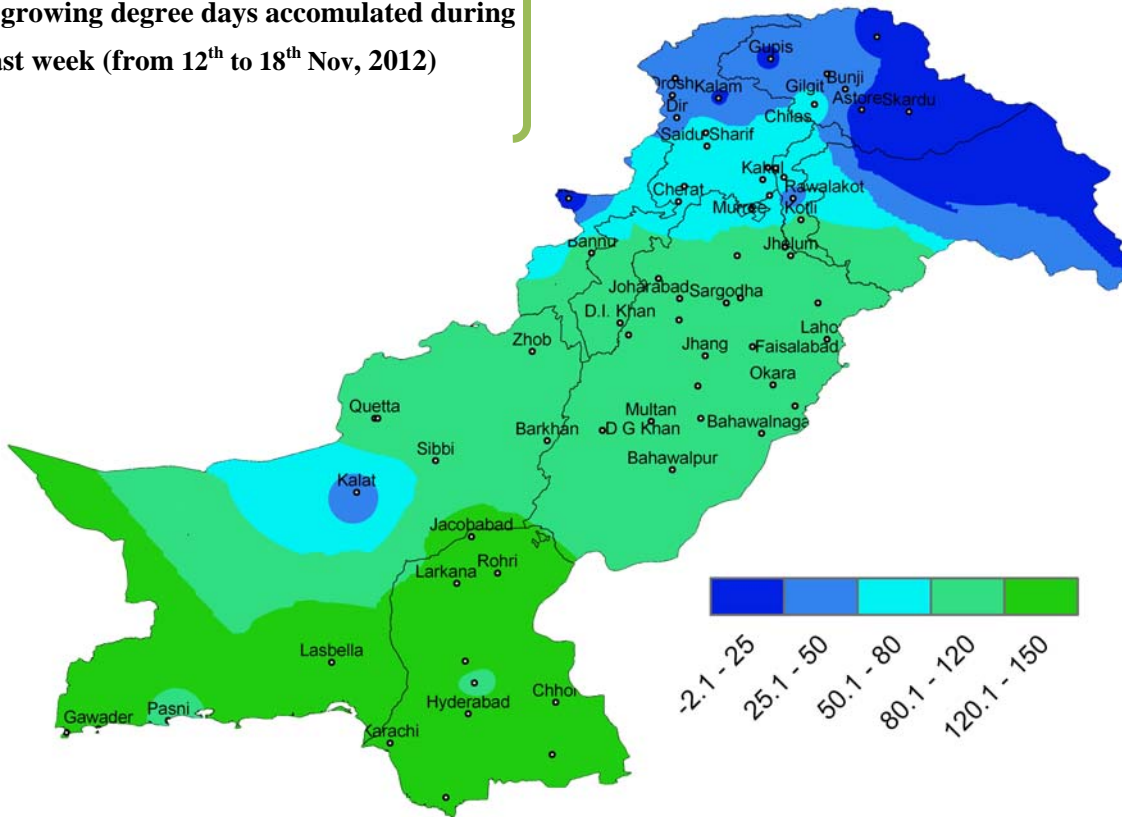
Extreme minimum temperature (°C) during the last week (from 12<sup>th</sup> to 18<sup>th</sup> Nov, 2012)



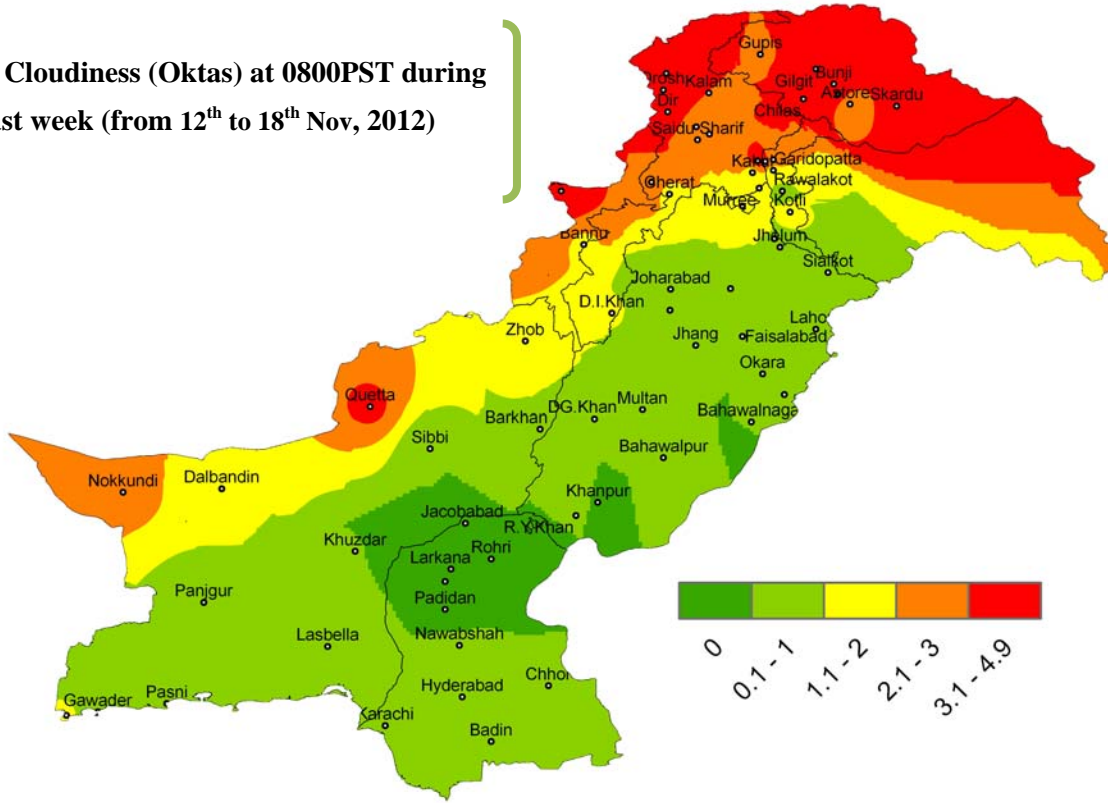
Mean relative humidity (%) during the last week (from 12<sup>th</sup> to 18<sup>th</sup> Nov, 2012)



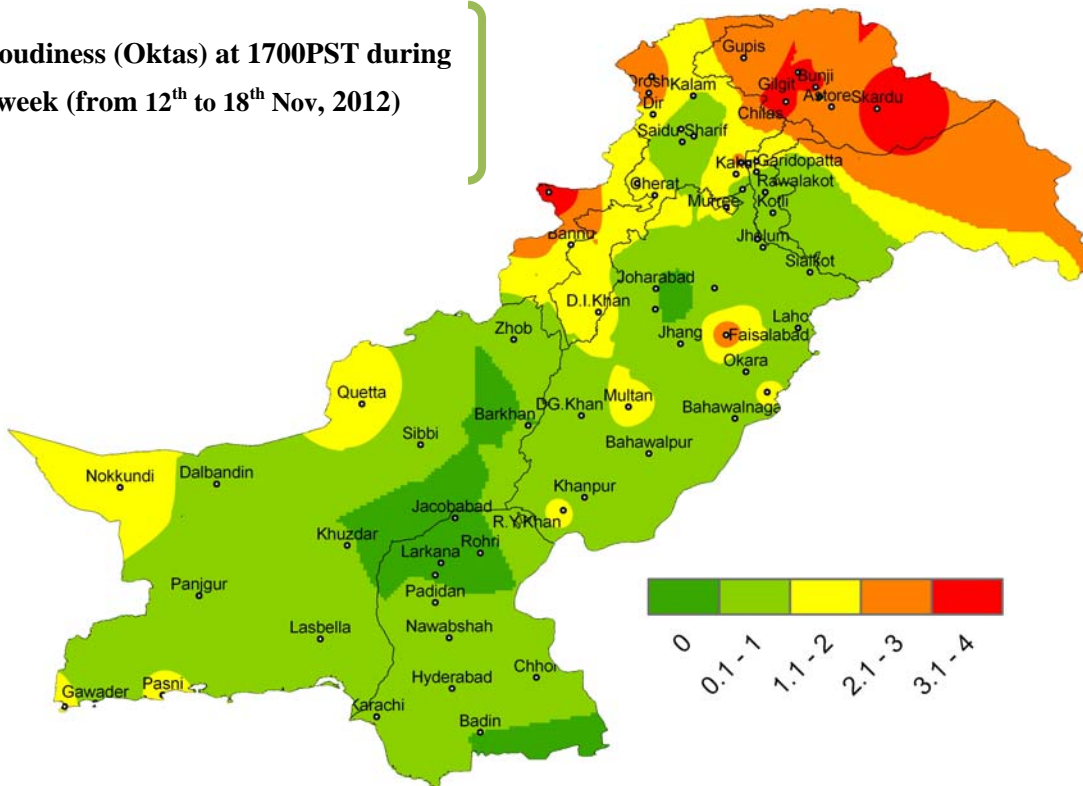
Total growing degree days accumulated during the last week (from 12<sup>th</sup> to 18<sup>th</sup> Nov, 2012)



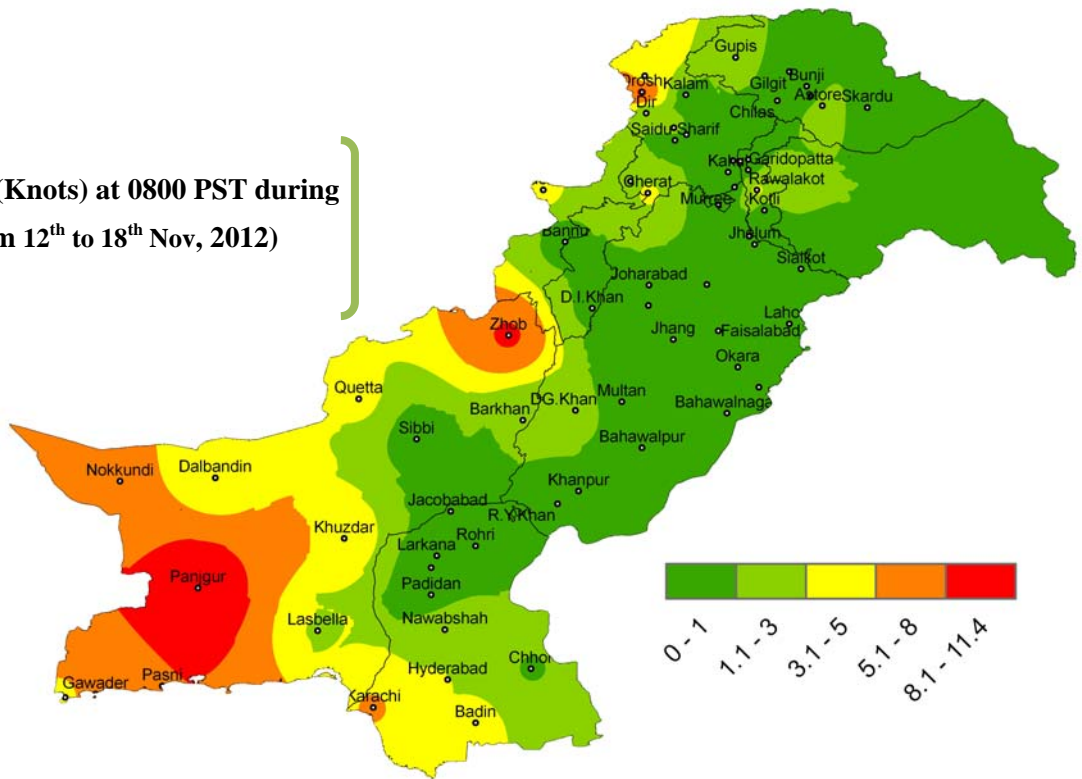
Mean Cloudiness (Oktas) at 0800PST during the last week (from 12<sup>th</sup> to 18<sup>th</sup> Nov, 2012)



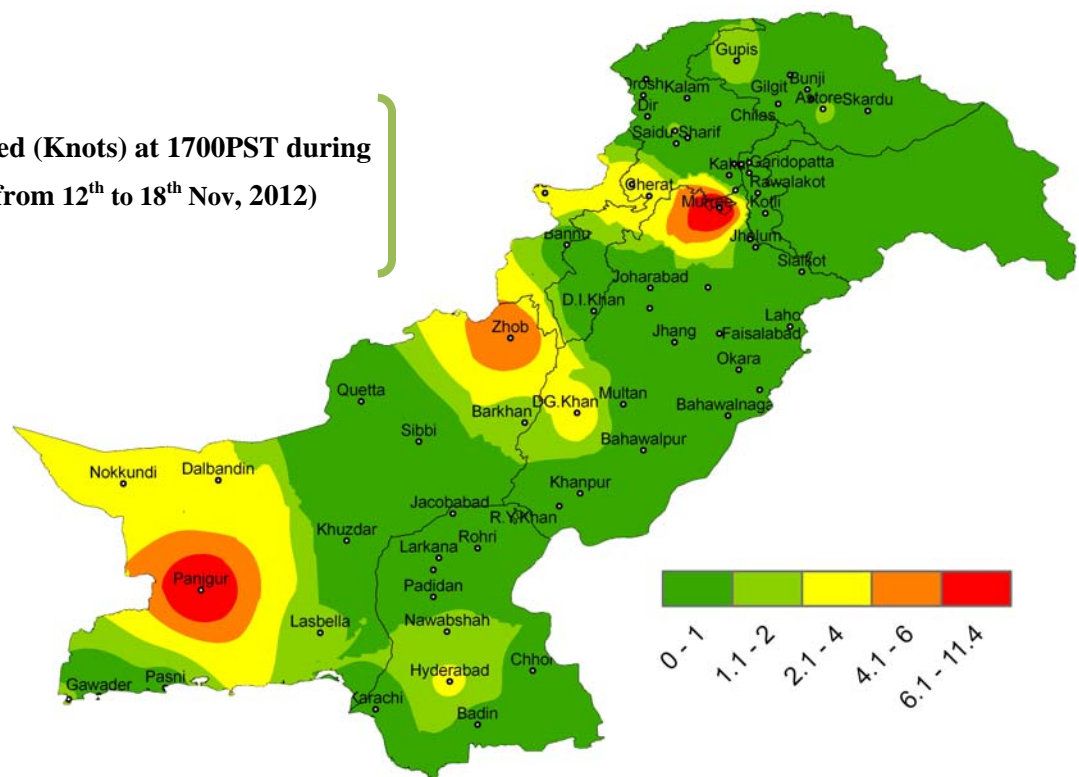
Mean Cloudiness (Oktas) at 1700PST during the last week (from 12<sup>th</sup> to 18<sup>th</sup> Nov, 2012)



Mean wind speed (Knots) at 0800 PST during the last week (from 12<sup>th</sup> to 18<sup>th</sup> Nov, 2012)



Mean wind speed (Knots) at 1700 PST during the last week (from 12<sup>th</sup> to 18<sup>th</sup> Nov, 2012)





## **Weekly Weather advisory for Farmers (from 19<sup>th</sup> to 25<sup>th</sup> November, 2012)**

Continental air would prevail over most parts of the country during the week. A shallow trough of westerly wave is likely to approach northern parts of the country on Wednesday night and likely to prevail during next 36-48 hrs. Another shallow trough of westerly wave would affect northern parts of the country from Sunday.

### **Punjab including Islamabad:**

No significant weather during the current week. However mostly partly cloudy conditions with chances of light rain likely at isolated places of Islamabad & Rawalpindi division on Thursday/Friday and Sunday (Evening/Night).

### **Khyber Pakhtunkhwa:**

No significant weather during the current week. However mostly partly cloudy conditions with chances of light rain likely in upper parts of KP (Malakand, Hazara and Peshawar division on Thursday/Friday and Sunday.

### **Balochistan:**

Mainly cold & dry weather is expected in most parts of the province during the week. However, light rain may occur at one or two places of Northeast Baluchistan on Thursday.

### **Sindh:**

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

### **Kashmir:**

Cold & Dry weather is expected in most parts of the Kashmir during the week. However light rain/thunderstorm with snowfall over the hills may occur at isolated places of Kashmir on Thursday/Friday and Sunday.

### **Gilgit-Baltistan:**

Cold & Dry weather is expected in most parts of the Gilgit-Baltistan during the week. However light rain (with light snowfall over the hills) may occur at isolated places from Wednesday night to Friday.

### **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. Also farmers are advised to keep control on post-harvesting losses due to pests/insects.

### **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 12<sup>th</sup> to 18<sup>th</sup> November, 2012)

Stations	Minimum/Night 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	-1.0	-2.6	8.3	50.1	4.0	2.0	2.1	1.3	2.3
Badin	19.6	19.0	115.5	59.1	0.0	0.0	0.1	0.6	3.4
Bahawalnagar	14.2	11.9	108.2	69.0	0.0	0.0	0.0	0.3	0.0
Bahawalpur	12.3	11.8	62.4	68.9	0.0	0.0	0.0	0.0	0.0
Balakot	5.6	3.9	89.2	62.1	0.2	2.5	3.6	0.4	0.4
Bannu	8.9	7.0	84.0	54.9	1.1	1.9	1.9	0.3	0.0
Barkhan	9.1	8.0	84.0	38.6	0.0	0.0	1.0	1.1	1.1
Bunji	5.1	4.4	48.0	53.4	0.2	3.6	4.3	1.1	0.9
Cherat	9.3	7.5	61.3	60.3	3.0	1.0	1.7	2.9	3.4
Chhor	14.0	12.7	136.4	65.1	0.0	0.0	0.0	0.6	0.9
Chilas	6.7	1.0	60.6	35.9	0.3	3.1	3.1	0.9	0.6
Chitral	2.1	0.6	41.9	59.4	0.0	2.1	4.9	0.9	4.0
D.G.Khan	15.3	14.5	111.0	73.1	0.0	0.0	0.0	3.1	2.0
D.I.Khan	11.0	9.3	93.8	81.4	0.0	1.6	1.1	0.0	0.6
Dalbandin	6.4	4.5	***	41.6	0.0	0.7	1.7	2.0	3.4
Dir	1.7	0.5	42.9	63.2	6.0	1.7	4.9	0.0	1.1
Drosh	4.5	3.2	49.6	26.9	0.1	2.4	4.1	0.0	8.7
Faisalabad	11.0	9.5	94.5	59.7	0.0	2.6	1.0	0.0	0.3
Garidopatta	4.9	3.5	62.3	68.5	0.0	0.7	1.1	0.0	0.6
Gawader	17.4	15.0	140.5	64.9	0.0	0.0	0.3	0.0	6.9
Gilgit	0.6	-1.5	36.5	66.4	2.0	3.0	3.4	0.0	0.0
Gupis	1.1	0.5	23.5	45.3	0.0	2.3	2.9	1.4	2.0
Hyderabad	17.9	16.0	135.7	47.2	0.0	0.0	0.3	2.3	3.0
Islamabad	7.8	7.0	80.0	74.6	0.1	1.1	1.3	11.4	0.0
Jacobabad	17.3	17.2	127.8	66.9	0.0	0.0	0.0	0.6	0.3
Jhang	10.9	9.5	95.2	57.2	0.0	0.0	0.0	0.0	0.3
Jhelum	11.0	9.7	102.3	67.7	0.0	0.0	0.9	0.0	0.0
Jiwani	21.5	16.0	150.0	70.6	0.0	1.6	1.1	1.1	4.3
Joharabad	10.1	8.5	94.6	68.6	0.0	0.0	0.0	0.3	0.3
Kakul	4.3	3.3	53.0	64.1	1.0	1.0	1.4	0.0	0.6
Kalam	0.6	0.0	21.8	60.9	11.0	1.0	3.0	0.0	0.3
Karachi	19.7	18.8	148.4	63.0	0.0	1.0	1.0	0.3	5.1
Khanpur	12.5	11.5	***	69.1	0.0	0.0	0.0	0.0	0.6
Khuzdar	9.6	9.0	***	36.5	0.0	0.0	0.0	0.6	5.0
Kotli	9.8	8.6	88.3	64.5	0.0	0.9	1.1	1.0	0.6
Lahore	11.6	10.5	98.3	69.4	0.0	0.4	0.9	0.0	0.0
Larkana	16.7	16.0	126.9	65.1	4.0	0.0	0.0	0.9	0.6
Lasbella	16.1	13.0	139.5	53.0	0.0	0.9	0.3	1.1	2.9
Lower Dir	5.6	4.5	64.2	62.7	9.0	0.7	2.0	1.4	2.0
Malam Jabba	1.6	1.0	***	78.8	1.0	0.0	0.9	0.3	0.0

Mandibahudin	12.4	11.5	97.4	57.8	0.0	0.4	2.0	0.0	0.3
Mangla	9.5	8.3	92.3	69.0	0.0	0.4	1.0	0.0	0.0
Mir Khani	3.6	3.0	***	47.8	0.0	1.8	3.4	0.0	0.0
Moan-Jo-Daro	14.9	13.0	***	67.4	6.0	0.0	0.0	0.0	0.3
Multan	13.7	13.0	106.6	74.2	0.0	1.6	0.4	0.6	0.0
Murree	7.5	6.5	55.6	59.6	0.0	0.6	1.3	1.1	0.3
Muzaffarabad	6.6	5.2	72.0	64.0	0.0	1.7	3.1	1.3	1.1
Nokkundi	11.3	8.9	***	13.3	0.0	1.8	2.4	2.3	5.1
Nawabshah	14.0	12.5	129.2	58.5	0.0	0.7	0.0	1.6	2.9
Noorpurthal	10.9	10.0	100.5	74.4	0.0	0.0	0.0	0.0	0.6
Okara	12.4	11.0	104.2	73.3	0.0	0.0	0.0	0.3	0.0
Padidan	15.6	15.0	***	68.3	0.0	0.0	0.0	0.7	0.0
Panjgur	10.9	10.0	***	41.9	0.0	0.0	0.0	7.7	11.4
Parachinar	0.5	0.3	14.9	62.6	12.0	4.0	4.6	3.3	3.6
Pasni	19.1	17.5	113.8	72.2	0.0	1.2	1.0	0.7	8.0
Pattan	8.4	7.0	***	56.2	9.0	1.3	2.9	0.3	0.3
Peshawar	11.5	10.5	***	72.1	0.1	1.6	2.9	2.6	1.4
Quetta	0.5	0.5	102.8	48.2	0.1	1.8	3.3	0.0	3.4
R.Y. Khan	13.4	11.9	***	71.6	0.0	1.3	0.0	0.3	0.6
Rawalakot	1.1	-0.5	35.8	61.4	0.0	0.0	0.7	0.0	3.4
Rohri	17.1	16.0	128.8	58.6	0.0	0.0	0.0	0.6	0.7
Sahiwal	10.6	8.5	95.5	67.1	0.0	1.3	0.0	0.0	0.0
Saidu Sharif	5.7	4.5	58.9	61.6	0.4	0.0	2.6	0.0	0.0
Sialkot	10.4	9.0	***	75.2	0.0	0.4	0.7	0.0	0.0

\*\*\*Data not available