

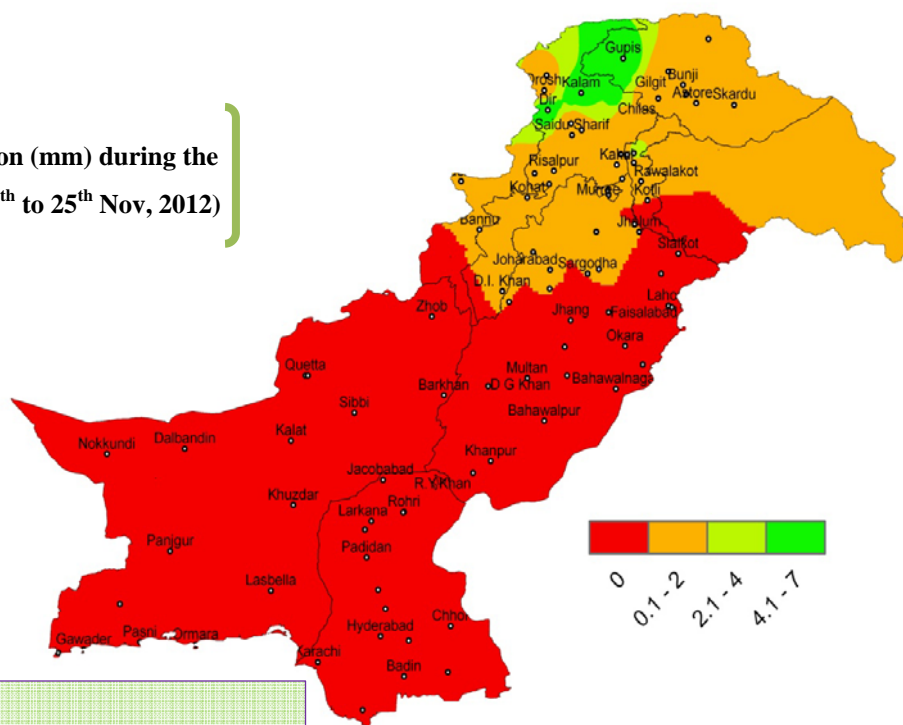
## Weekly Weather and Crop Bulletin for Pakistan

**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 19<sup>th</sup> to 25<sup>th</sup> Nov, 2012)**



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### Highlights of Past Weather (19<sup>th</sup> to 25<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 trace rainfall reported from few places in Punjab and Balochistan province, whereas dry weather reported from the agricultural plains of Sindh.

*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 “Chakwal, Murree & Mianwali”. Weekly maximum temperature and minimum temperature recorded as 17.9°C & 9.5°C respectively. For the present season on average 89.4 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 1.0/0.5 Knots. During the previous week extreme minimum temperature recorded as 4.0°C at Islamabad.

## **Sindh**

Dry & cold weather observed all over the region, during the week. Weekly maximum temperature and minimum temperature recorded as 22.3°C & 13.8°C respectively. For the present season on average 123.3 growing degree days accumulated by the end of last week. Average relative humidity recorded as 59 % and wind speed in the morning/evening recorded as 0.9/1.6 Knots. During the previous week extreme minimum temperature recorded as 9.0°C at Chhor.

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

During the week however light rainfall reported from scattered places. Weekly maximum temperature and minimum temperature recorded as 12.2°C & 4.8°C respectively. For the present season on average 48.6 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 0.9/1.5 Knots. During the previous week rainfall recorded as 7.0 mm at Dir and Kalam, whereas the extreme minimum temperature recorded as -1.5°C at Parachinar.

## **Balochistan**

Dry & cold weather observed all over the region, during the week however meager rainfall reported from a few places. Weekly maximum temperature and minimum temperature recorded as 17.8°C & 8.6°C respectively. For the present season on average 83.9 growing degree days accumulated by the end of last week. Average relative humidity recorded as 43 % and wind speed in the morning/evening recorded as 1.8/4.0 Knots. During the previous week the Trace rainfall recorded at Samungli Quetta and extreme minimum temperature recorded as -5.0°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 10.1°C & 2.8°C respectively. For the present season on average 27.5 growing degree days accumulated by the end of last week. Average relative humidity recorded as 57 % and wind speed in the morning/evening recorded as 0.7/1.6 Knots. During the previous week the highest rainfall recorded at Gupis as 7.0 mm and extreme minimum temperature recorded as -6.3°C at Skardu.

## **Past Weather for Major Agricultural Plains** (from 19<sup>th</sup> to 25<sup>th</sup> Nov, 2012)

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

Dry and cold weather observed during the last week with cloudiness in the morning/evening as 1.8/2.4 oktas while average relative humidity observed as 74%. Mean night temperature recorded as 7.1°C & for the present season 74.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.3/1.6 Km/h.

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

Dry weather observed during the last week with clear skies while average relative humidity observed as 60%. Mean night temperature recorded as 13.8°C & for the present season 116.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.3 Km/h.

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

Dry weather observed during the last week with cloudiness in the morning/evening as 2.1/1.1 oktas while average relative humidity observed as 54%. Mean night temperature recorded as 9.5°C & for the present season 90.2 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 0.3/0.6 Km/h.

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

Dry weather observed during the last week with cloudiness in the morning/evening as 1.4/3.7 oktas while average relative humidity observed as 32%. Mean night temperature recorded as 2.1°C & for the present season 26.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.7/5.7 Km/h.

## **Past Weather for sub regional Agri-cultural Plains** (from 19<sup>th</sup> to 25<sup>th</sup> Nov, 2012)

### **Rohri**

Dry weather with clear skies observed during the last week while average relative humidity recorded as 54%. Mean night temperature recorded as 13.9°C & for the present season 110.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/0.7 Knots.

### **Multan**

Dry weather with cloudiness recorded in the morning/evening as 1.4/1.1 oktas and average relative humidity recorded as 63%. Mean night temperature recorded as 11.5°C & for the present season 98.8 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 cloudiness recorded in the morning/evening as 2.1/1.7 oktas and average relative humidity recorded as 57%. Mean night temperature recorded as 10.7°C & for the present season 93.9 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 0.6/0.0 Knots.

### **Zhob**

Dry weather with cloudiness recorded in the morning/evening as 2.0/2.4 oktas and average relative humidity recorded as 29%. Mean night temperature recorded as 4.9°C & for the present season 70.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.7/5.8 Knots.

## **D.I. Khan**

Dry weather with cloudiness recorded in the morning/evening as 0.4/0.0 oktas and average relative humidity recorded as 64%. Mean night temperature recorded as 9.0°C & for the present season 87.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.7 Knots.

## **Parachinar**

Dry weather with cloudiness recorded in the morning/evening as 4.9/5.3 Oktas and average relative humidity observed as 60%. Mean night temperature recorded as -0.8°C and wind speed recorded in the morning/evening as 3.0/3.9 Knots.

## **Murree**

Rainfall recorded as Trace (rainfall amount not measurable) during the last week with cloudiness in the morning/evening as 2.6/3.7 Oktas and average relative humidity observed as 56%. Mean night temperature recorded as 5.9°C & for the present season 35.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/0.9 Knots.

## **Saidu Sharif**

Dry weather observed during the last week with cloudiness in the morning/evening as 3.4/3.7 Oktas and average relative humidity observed as 56%. Mean night temperature recorded as 5.3°C & for the present season 57.3 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 Trace (rainfall amount not measurable) during the last week with cloudiness in the morning/evening as 4.9/5.0 Oktas and average relative humidity observed as 64%. Mean night temperature recorded as 1.4°C & for the present season 27.1 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 0.0/0.6 Knots.

## **Skardu**

Rainfall recorded as Trace (rainfall amount not measurable) during the last week with cloudiness recorded in the morning/evening as 5.0/6.4 Oktas and average relative humidity as 63%. Mean night temperature recorded as -2.7°C and wind speed recorded in the morning/evening as 0.0/0.3 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:** Very Good condition, Third leaf stage completed.

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

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

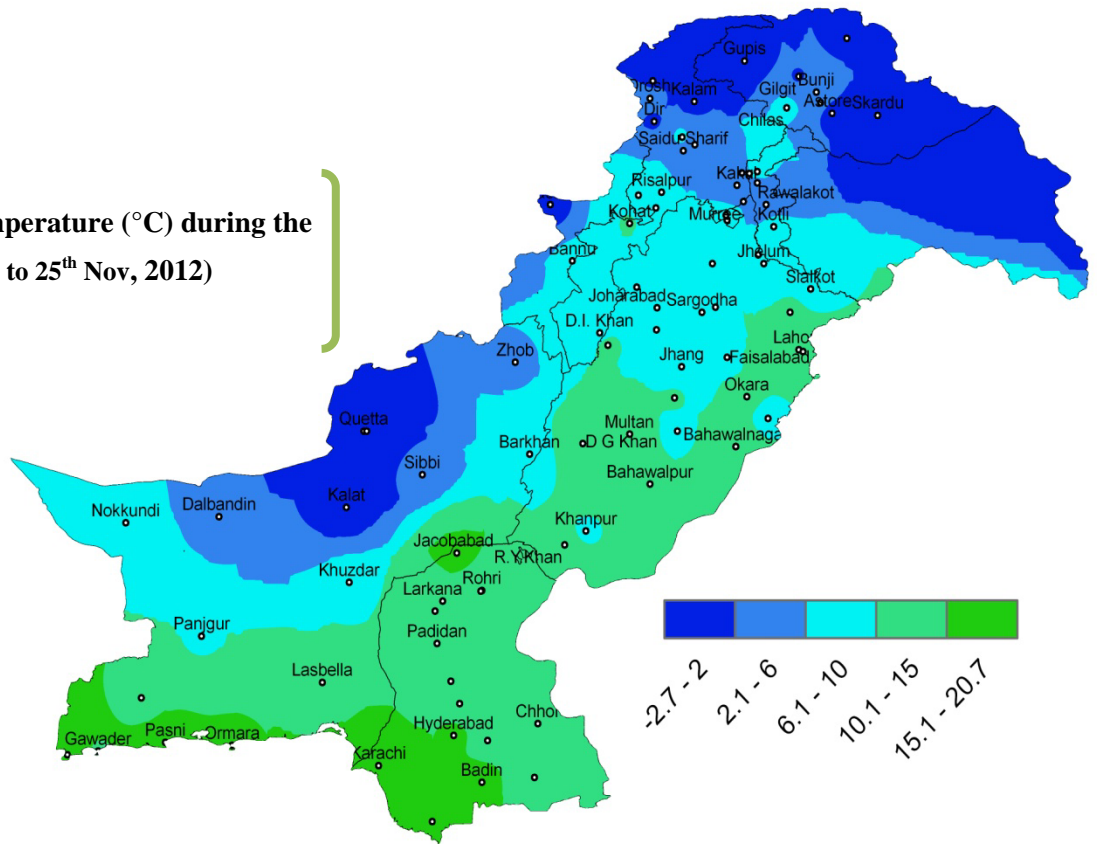
There is presently one crop (irrigated conditions) grown in the fields as detailed below.

**Wheat (TJ-83):** Sown on 06-11-12, Good condition, at 3<sup>rd</sup> leaf stage.

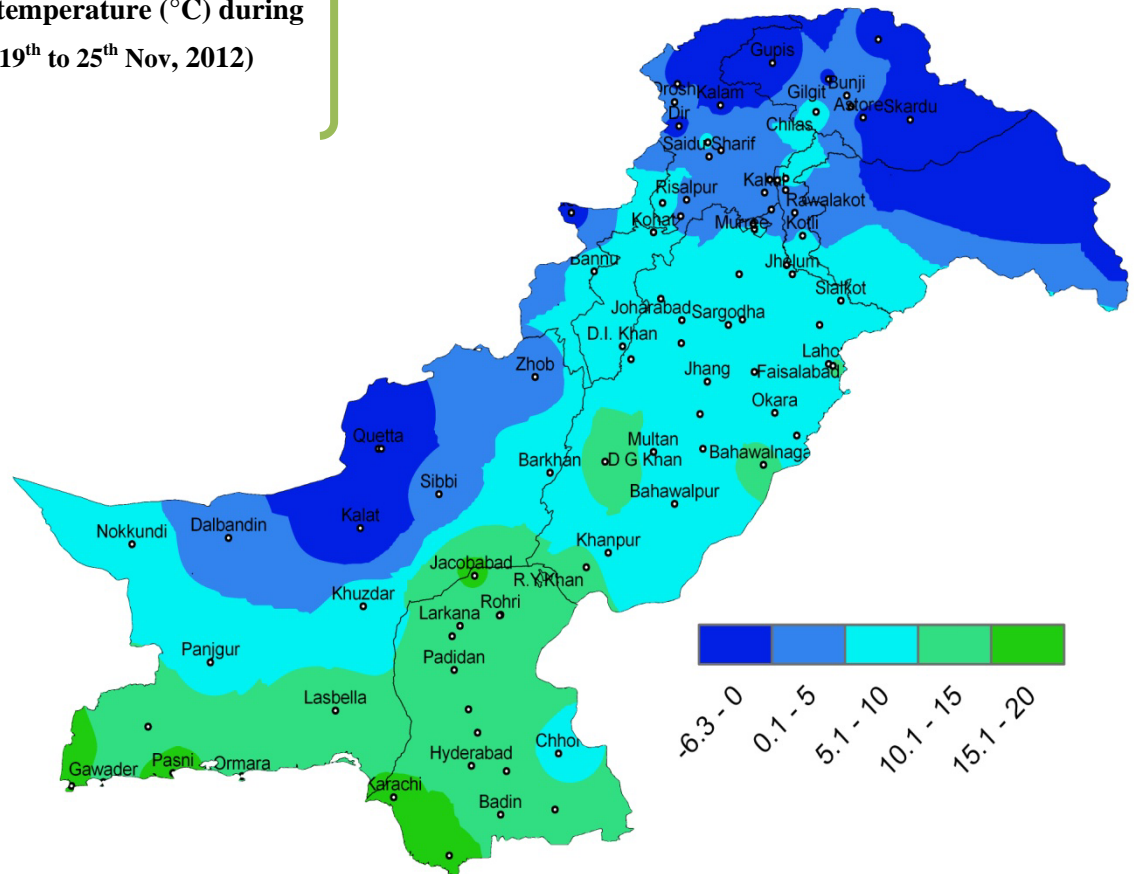
### **Northern Balochistan (Quetta)**

No crop is grown in the fields, so far.

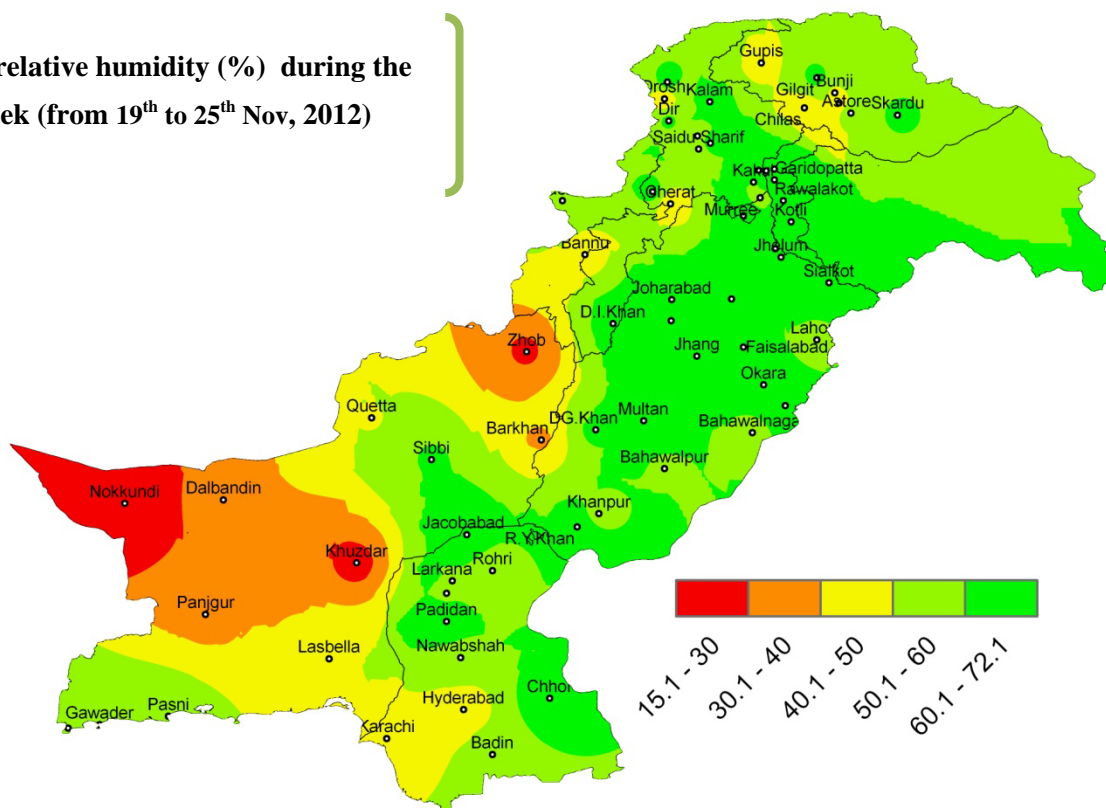
**Mean minimum temperature (°C) during the last week (from 19<sup>th</sup> to 25<sup>th</sup> Nov, 2012)**



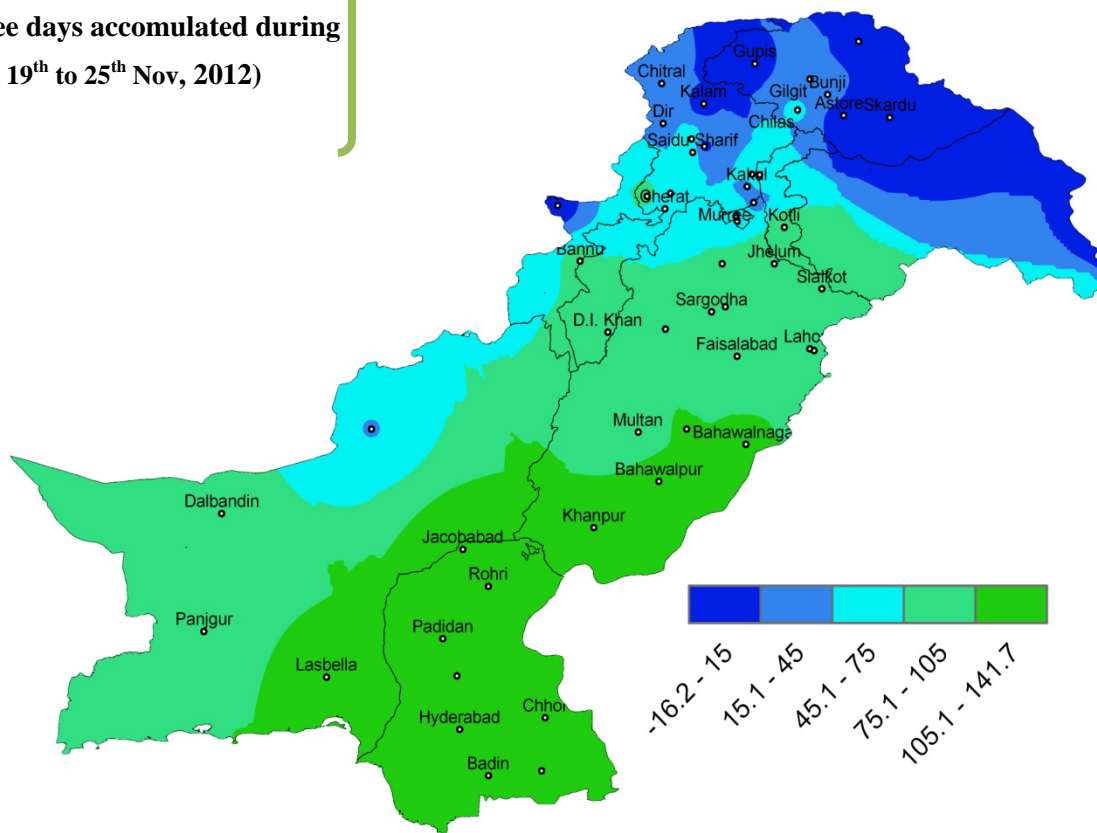
**Extreme minimum temperature (°C) during the last week (from 19<sup>th</sup> to 25<sup>th</sup> Nov, 2012)**



**Mean relative humidity (%) during the last week (from 19<sup>th</sup> to 25<sup>th</sup> Nov, 2012)**

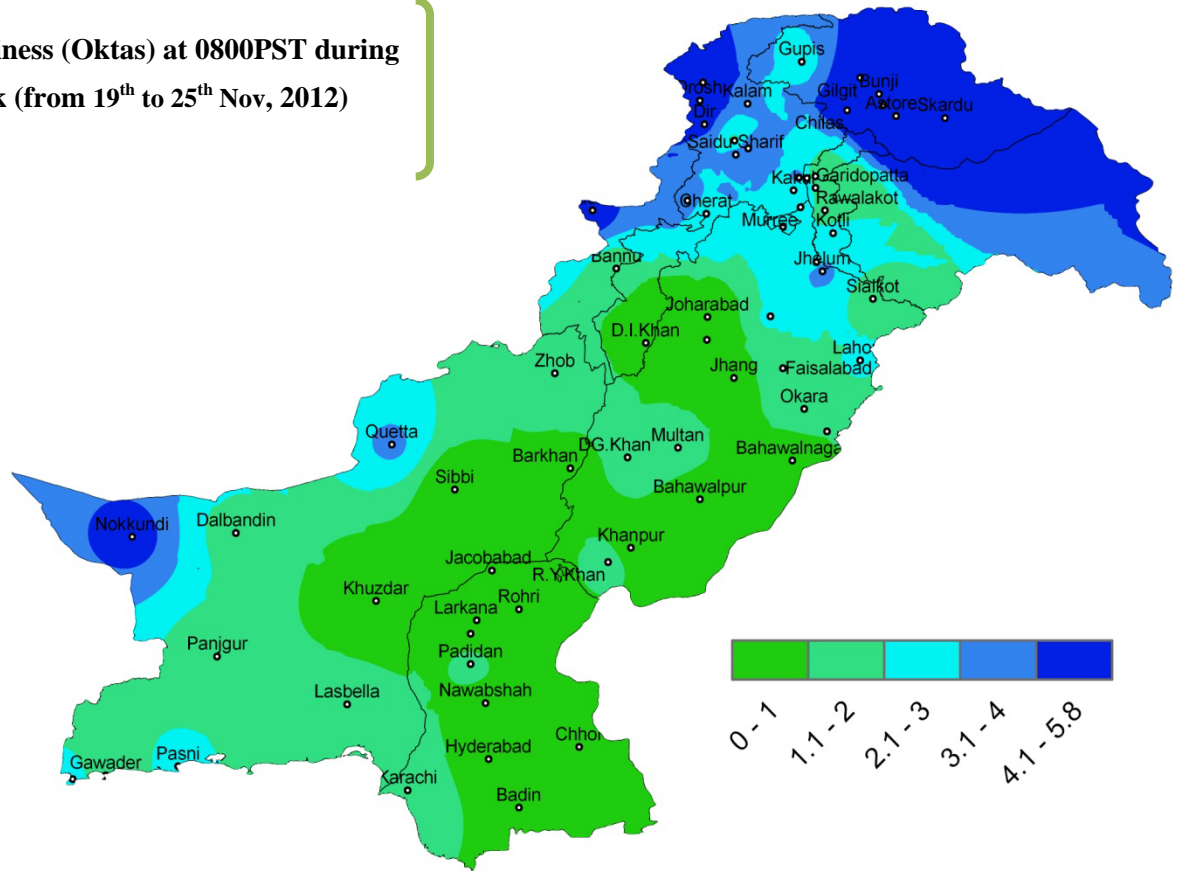


**Total growing degree days accumulated during the last week (from 19<sup>th</sup> to 25<sup>th</sup> Nov, 2012)**

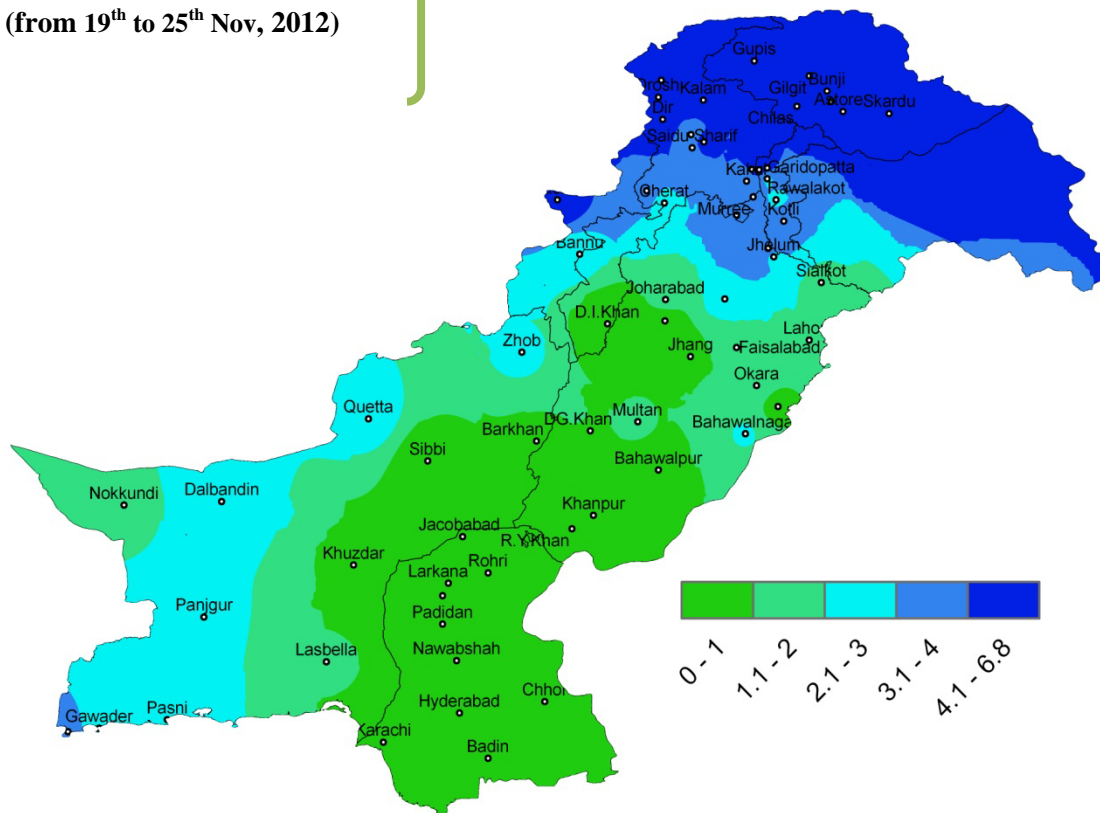




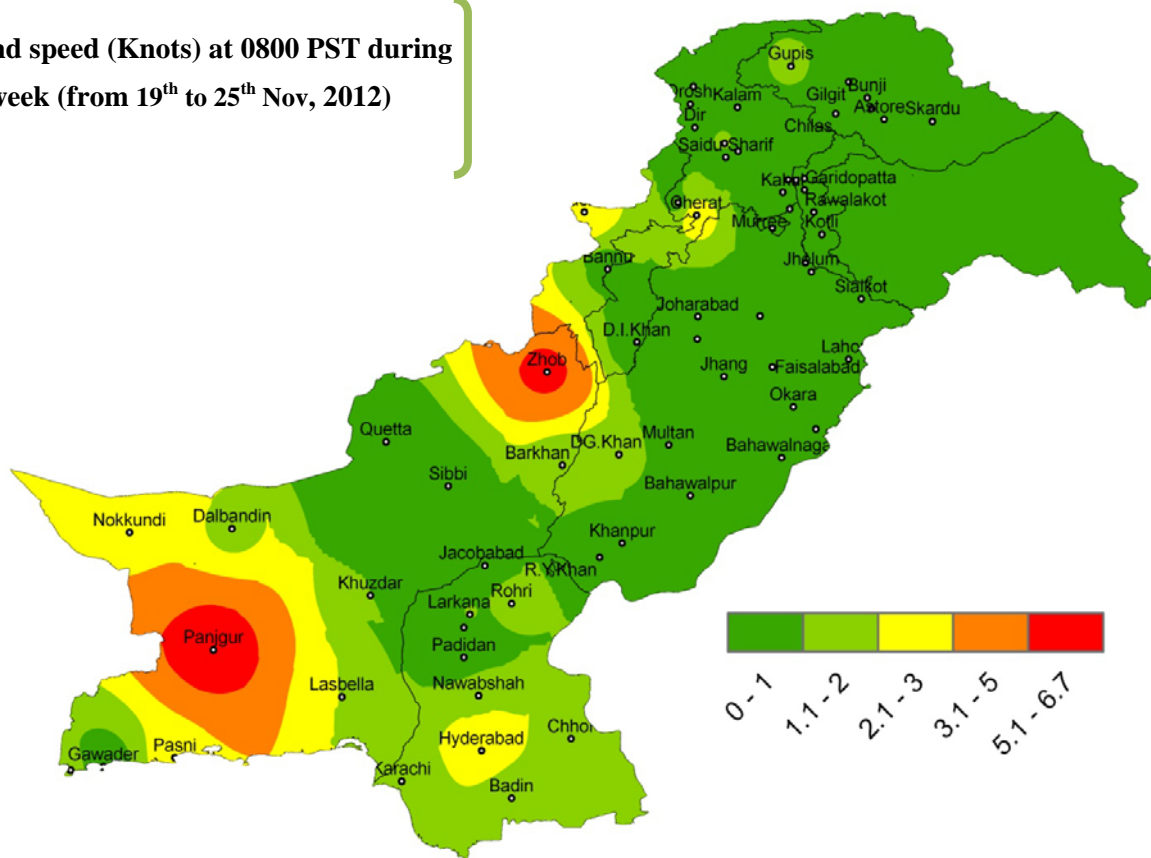
**Mean Cloudiness (Oktas) at 0800PST during  
the last week (from 19<sup>th</sup> to 25<sup>th</sup> Nov, 2012)**



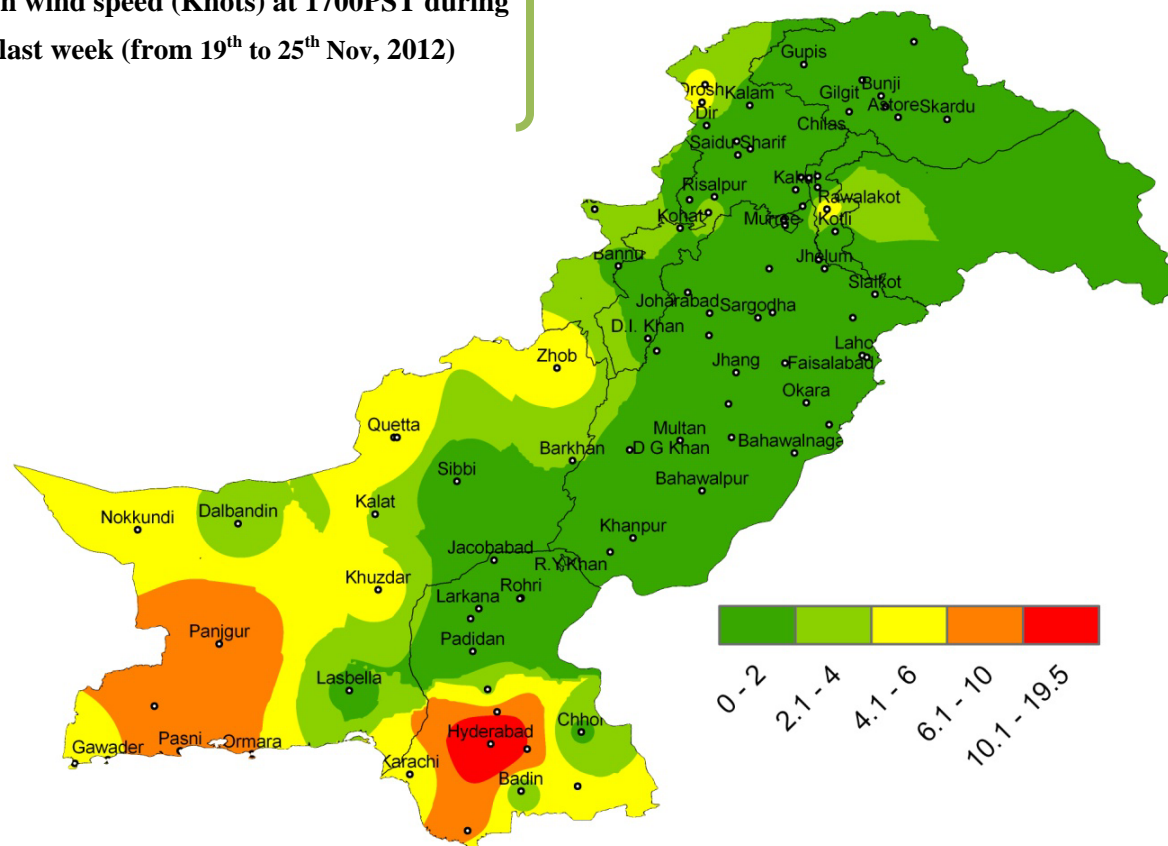
**Mean Cloudiness (Oktas) at 1700PST during  
the last week (from 19<sup>th</sup> to 25<sup>th</sup> Nov, 2012)**



**Mean wind speed (Knots) at 0800 PST during the last week (from 19<sup>th</sup> to 25<sup>th</sup> Nov, 2012)**



**Mean wind speed (Knots) at 1700PST during the last week (from 19<sup>th</sup> to 25<sup>th</sup> Nov, 2012)**





## **Weekly Weather advisory for Farmers** **(from 26<sup>th</sup> November to 2<sup>nd</sup> December, 2012)**

Continental air would prevail over most parts of the country during the week. A shallow trough of westerly wave is likely to approach northwestern parts of the country on Wednesday (Evening/Night) & likely to persist during next 36-48 hrs.

### **Punjab including Islamabad:**

Mainly cold & dry weather is expected in most parts of the province during the week. However, light rain may occur at a few places of Islamabad/Rawalpindi and Sargodha divisions on Wednesday (Evening/Night) and Thursday.

### **Khyber Pakhtunkhwa:**

Mainly cold & dry weather is expected in most parts of the province during the week. However, thunderstorm-rain may occur at few places of upper KP (Malakand, Hazara, Peshawar & Kohat divisions) on Wednesday (Evening/Night)/Thursday.

### **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 Balochistan on Wednesday (Evening/Night).

### **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 Kashmir during the week. However light rain/thunderstorm with snowfall over the hills may occur at isolated places of Kashmir from Wednesday (Evening/Night)/Thursday.

### **Gilgit-Baltistan:**

Cold & dry weather is expected in most parts of Gilgit-Baltistan during the week. However light rain (with light snowfall over the hills) may occur at a few places of GB during second half of the week with occasional gaps.

### **Advises for Crops:**

***Sugarcane:*** Farmers are advised to manage irrigation practices as per weather prediction during the week.

***General Information:*** Wheat crop in rainfed areas are under moisture stress condition. 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. Farmers of lower half of the country are advised to complete cultivation of wheat crop before the mid of December. 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 19<sup>th</sup> to 25<sup>th</sup> November, 2012)

Stations	Minimum/Night Temperature (°C)		Growing Deg. Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness Oktas 0800PST	Cloudiness Oktas 1700PST	Wind Speed (Knots) 0800PST	Wind Speed (Knots) 1700PST
	Mean	Lowest							
Astore	-1.7	-3.0	-16.4	52	0.1	4.3	5.0	0.9	1.0
Badin	17.1	14.5	141.8	56	0.0	0.7	0.5	1.1	3.0
Behawalnagar	12.2	10.9	110.5	58	0.0	0.3	2.1	0.0	1.7
Behawalpur	10.3	8.6	110.1	60	0.0	0.4	0.4	0.0	0.3
Belakot	4.6	1.0	52.9	62	0.0	3.6	4.0	0.0	0.4
Bannu	7.1	6.4	83.0	45	0.0	1.3	3.0	0.6	1.7
Barkhan	7.1	6.0	***	39	0.0	0.5	0.7	1.3	2.0
Bunji	5.5	4.4	33.4	48	0.0	5.6	6.9	0.6	1.1
Cheret	7.8	4.0	43.0	41	0.0	2.4	2.7	2.9	2.3
Chhor	11.1	9.0	127.0	68	0.0	0.0	0.5	1.7	1.7
Chiles	7.0	6.5	50.9	44	0.0	4.3	4.6	0.0	1.1
Chitral	1.3	-0.6	28.3	65	1.0	4.3	5.6	0.0	4.3
D.G.Khan	13.9	12.3	***	62	0.0	1.3	1.0	1.7	1.7
D.I.Khan	9.0	7.0	87.4	64	0.0	0.4	0.0	0.3	1.7
Debandin	4.2	2.0	79.8	37	0.0	1.7	2.8	1.7	3.0
Dir	1.3	-1.5	28.7	62	7.0	4.1	5.7	0.0	1.1
Drosh	3.6	2.6	***	40	0.0	5.8	5.4	0.0	4.9
Faislabad	9.9	9.0	89.0	61	0.0	1.7	1.6	0.0	0.6
Garidopatta	4.7	4.0	***	69	1.0	2.0	2.6	0.0	0.6
Gawadar	14.5	13.0	***	50	0.0	1.0	2.4	0.0	6.0
Gilgit	1.4	-1.0	27.1	64	0.1	4.9	5.0	0.0	0.6
Gupis	-1.3	-2.5	2.3	47	7.0	2.5	4.9	1.3	1.4
Hydrabad	16.1	14.5	131.8	42	0.0	0.4	0.2	2.9	19.5
Islamabad	5.8	4.0	67.5	72	0.0	2.4	3.1	0.0	0.3
Jacobabad	16.6	16.0	124.0	70	0.0	0.4	0.4	0.6	0.3
Jhang	9.0	8.8	***	66	0.0	0.3	0.6	0.0	0.0
Jhelum	8.5	6.7	86.0	71	0.0	3.3	2.7	0.3	1.1
Jiwani	20.8	20.0	***	52	0.0	2.4	3.5	1.4	4.7
Joharabad	7.8	7.0	***	70	0.0	0.3	1.7	0.0	0.9
Kakul	2.9	0.5	40.1	60	0.0	2.1	3.0	0.0	0.9
Kalam	0.1	-1.0	1.7	64	7.0	3.1	5.3	0.0	0.3
Karschi	17.2	15.5	***	45	0.0	2.0	0.5	1.1	4.0
Khanpur	9.6	9.0	106.1	58	0.0	0.7	0.9	0.3	1.7
Khuzdar	7.5	7.0	***	27	0.0	0.0	0.6	1.0	5.2
Kotli	8.2	5.5	92.5	61	0.0	2.1	3.4	0.3	1.0
Lahore	10.7	9.4	91.1	57	0.0	2.1	1.7	0.6	0.0
Larkana	14.4	12.5	***	59	0.0	0.0	0.0	1.1	1.3
Lasbela	13.6	11.0	113.8	48	0.0	1.6	1.2	2.0	1.6
Lower Dir	7.2	6.5	69.8	57	0.0	1.7	2.9	1.7	1.1
Malam Jabba	2.1	0.0	3.5	63	2.0	3.7	4.6	0.0	0.0
Mandibahudin	10.0	9.0	83.7	63	0.0	2.1	2.7	0.3	0.0

Malam Jabba	2.1	0.0	3.5	63	2.0	3.7	4.6	0.0	0.0
Mandibahudin	10.0	9.0	85.7	63	0.0	2.1	2.7	0.3	0.0
Mangla	7.3	5.8	***	63	0.0	2.8	3.9	0.0	0.6
Mir Khani	5.2	4.8	***	48	0.0	4.4	4.0	0.0	0.0
Moen-Jo-Daro	11.8	10.0	***	60	0.0	0.7	0.0	0.0	0.5
Multan	11.5	9.7	98.8	63	0.0	1.4	1.1	0.6	0.0
Murree	5.9	4.3	35.1	56	0.1	2.6	3.7	0.9	0.9
Muzaffarabad	6.0	4.4	60.5	70	0.1	2.7	4.9	0.0	1.4
Nawabshah	13.1	12.0	122.9	58	0.0	0.7	0.8	2.0	3.8
Nokkundi	7.6	6.4	***	15	0.0	4.3	1.6	2.7	4.8
Noorpurthal	8.4	7.5	99.6	65	0.0	0.3	0.0	0.0	2.0
Okara	10.5	10.0	***	64	0.0	1.4	1.6	0.0	0.9
Padidan	12.7	12.0	110.8	64	0.0	1.3	0.4	0.3	0.8
Panjgur	9.3	8.0	97.5	37	0.0	1.3	2.3	6.7	9.7
Parachinar	-0.8	-1.5	-3.2	60	0.0	4.9	5.3	3.0	3.9
Pasni	17.5	17.0	***	57	0.0	2.3	2.8	2.6	7.0
Pattan	8.2	8.0	***	60	4.0	0.7	4.3	0.0	0.9
Peshawar	10.0	8.5	83.3	65	1.0	3.5	3.5	0.7	1.7
Quetta	0.6	-1.5	***	50	0.0	3.2	2.8	0.0	6.0
R. Y. Khan	11.1	10.7	***	66	0.0	1.2	1.0	0.8	0.6
Rawalakot	1.6	0.5	***	63	0.0	1.6	2.9	0.0	6.3
Rohri	13.9	12.5	110.3	54	0.0	0.7	0.5	1.4	0.7
Sahiwal	9.2	7.5	***	64	0.0	1.0	0.5	0.3	0.3
Saidu Sharif	5.3	4.5	57.3	56	0.0	3.4	3.7	0.0	0.0
Sialkot	8.7	7.8	86.7	67	0.0	1.3	1.4	0.0	0.9
Sibbi	3.5	2.5	***	61	0.0	0.0	0.0	0.0	0.0
Skardu	-2.7	-6.3	-5.1	63	0.1	5.0	6.4	0.0	0.3
Zhob	4.9	3.0	***	29	0.0	2.0	2.4	5.7	5.8

\*\*\* Data not available