

## Weekly Weather and Crop Bulletin for Pakistan

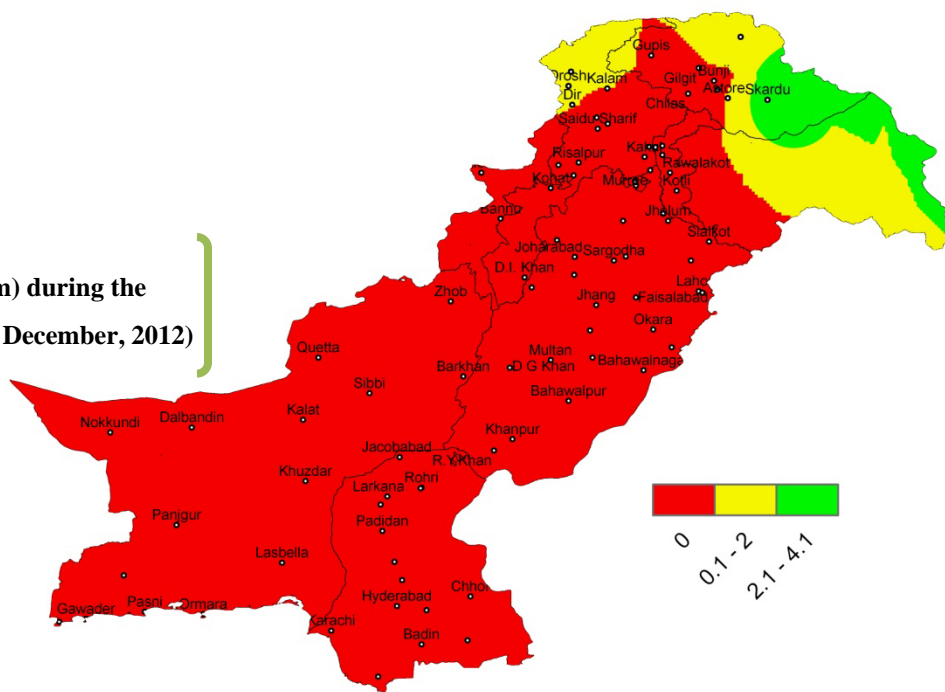
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**Rainfall distribution (mm) during the  
last week (from 3<sup>rd</sup> to 9<sup>th</sup> December, 2012)**



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### Highlights of Past Weather (3<sup>rd</sup> to 9<sup>th</sup> December, 2012)

Dry & cold weather reported from most of the agricultural plains of the country however light rainfall reported from a few places of Khyberpakhtunkhwa, Gilgit Baltistan & Azad Kashmir region and Balochistan province.

*Chief Editor:* Dr. Khalid Mehmood Malik (Director)

*Editor:* Dildar Hussain Kazmi (Meteorologist)

## **Punjab**

Mainly dry & cold weather observed all over the province during the week. Weekly maximum temperature and minimum temperature recorded as 25.4°C & 6.6°C respectively. For the present season on average 76.4 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 0.3/0.2 Knots. During the previous week the extreme minimum temperature recorded as 2.0°C at Islamabad.

## **Sindh**

Mainly dry & cold weather observed all over the province during the week. Weekly maximum temperature and minimum temperature recorded as 27.9°C & 12.1°C respectively. For the present season on average 103.9 growing degree days accumulated by the end of last week. Average relative humidity recorded as 56 % and wind speed in the morning/evening recorded as 1.2/3.9 Knots. During the previous week the extreme minimum temperature recorded as 7.0°C at Moinjo Daro as well as Chhor.

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

Mainly dry & cold weather observed all over the province however rainfall as 0.1 mm reported from a single place "Chitral". Weekly maximum temperature and minimum temperature recorded as 19.2°C & 2.9°C respectively. For the present season on average 38.8 growing degree days accumulated by the end of last week. Average relative humidity recorded as 51 % and wind speed in the morning/evening recorded as 1.4/2.0 Knots. During the previous week the extreme minimum temperature recorded as -4.5°C at Kalam as well as Parachinar.

## **Balochistan**

Mainly dry & cold weather observed all over the province during the week however rainfall reported from a single place Samungle (Quetta) as 0.1 mm. Weekly maximum temperature and minimum temperature recorded as 25.0°C & 7.9°C respectively. For the present season on average 77.8 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 1.5/4.6 Knots. During the previous week extreme minimum temperature recorded as -2.5°C at Quetta.

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

Mainly 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 14.6°C & 0.6°C respectively. For the present season on average 16.3 growing degree days accumulated by the end of last week. Average relative humidity recorded as 53 % and wind speed in the morning/evening recorded as 1.4/2.0 Knots. During the previous week the highest rainfall recorded at Skardu as 4.1 mm and extreme minimum temperature recorded as -9.5°C at the same place.

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

(from 3<sup>rd</sup> to 9<sup>th</sup> December, 2012)

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

Dry weather observed during the last week with cloudiness in the morning/evening as 2/2.4 oktas while average relative humidity observed as 64%. Mean night temperature recorded as 5.3°C & for the present season 61.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.4 Km/h.

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

Dry weather observed during the last week with cloudiness in the morning/evening as 1.7/0.6 oktas while average relative humidity observed as 48%. Mean night temperature recorded as 6.1°C & for the present season 79.3 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as Calm (no wind).

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

Dry weather with clear skies observed during the last week while average relative humidity observed as 60%. Mean night temperature recorded as 12.4°C & for the present season 107.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/1.7 Km/h.

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

Dry weather observed during the last week with cloudiness in the morning/evening as 2.1/3.0 oktas while average relative humidity observed as 30%. Mean night temperature recorded as -0.4°C & for the present season 22.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.6/5.1 Km/h.

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

**Plains** (from 3<sup>rd</sup> to 9<sup>th</sup> December, 2012)

### **Rohri**

Dry weather with cloudiness recorded in the morning/evening as 0.4/0.7 oktas and average relative humidity recorded as 57%. Mean night temperature recorded as 12.1°C & for the present season 101.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/1.2 Knots.

### **Multan**

Dry weather with cloudiness recorded in the morning/evening as 2/1.3 oktas and average relative humidity recorded as 57%. Mean night temperature recorded as 8.2°C & for the present season 85.0 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as Calm (no wind).

### **Lahore**

Dry weather with cloudiness recorded in the morning/evening as 1.5/0.5 oktas and average relative humidity recorded as 61%. Mean night temperature recorded as 7.6°C & for the present season 78.8 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as Calm (no wind).

### **Zhob**

Dry weather with cloudiness recorded in the morning/evening as 0/1.3 oktas and average relative humidity recorded as 30%. Mean night temperature recorded as 2.1°C & for the present season 85.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/5.0 Knots.

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

Dry weather with cloudiness recorded in the morning/evening as 1/1 oktas and average relative humidity recorded as 59%. Mean night temperature recorded as 5.6°C & for the present season 77.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/0 Knots.

## **Peshawar**

Dry weather with cloudiness recorded in the morning/evening as 1.5/2.4 oktas and average relative humidity recorded as 59%. Mean night temperature recorded as 4.9°C & for the present season 73.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/1.6 Knots.

## **Murree**

Dry weather with cloudiness recorded in the morning/evening as 1.5/2.3 oktas and average relative humidity recorded as 33%. Mean night temperature recorded as 5.7°C & for the present season 42.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.3/0.3 Knots.

## **Kalam**

Dry weather with cloudiness recorded in the morning/evening as 1.6/3.5 oktas and average relative humidity recorded as 64%. Mean night temperature recorded as -1.1°C & wind recorded in the morning/evening as Calm (no wind) Knots.

## **Gilgit.**

Dry weather with cloudiness recorded in the morning/evening as 5.2/5.0 oktas and average relative humidity recorded as 65%. Mean night temperature recorded as -2.4°C & for the present season 5.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.0/0 Knots.

## **Skardu**

Dry weather observed during the last week, cloudiness recorded in the morning/evening as 6/5.2 Oktas and average relative humidity as 71%. Mean night temperature recorded as -5.8°C and wind recorded in the morning/evening as Calm (no wind).

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

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

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

**Wheat** : Good condition, at *Emergence* stage.

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

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

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

**Wheat**: Good condition, at *Emergence* stage.

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

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

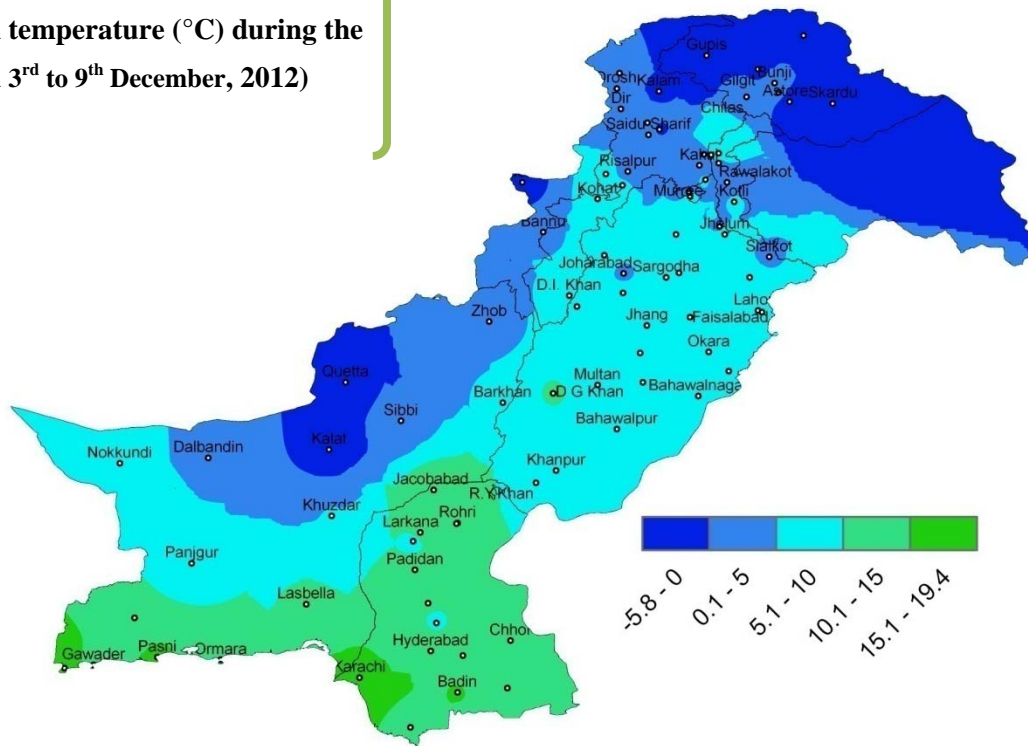
**Wheat (TJ-83)**: Good condition, at *Third leaf* stage.

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

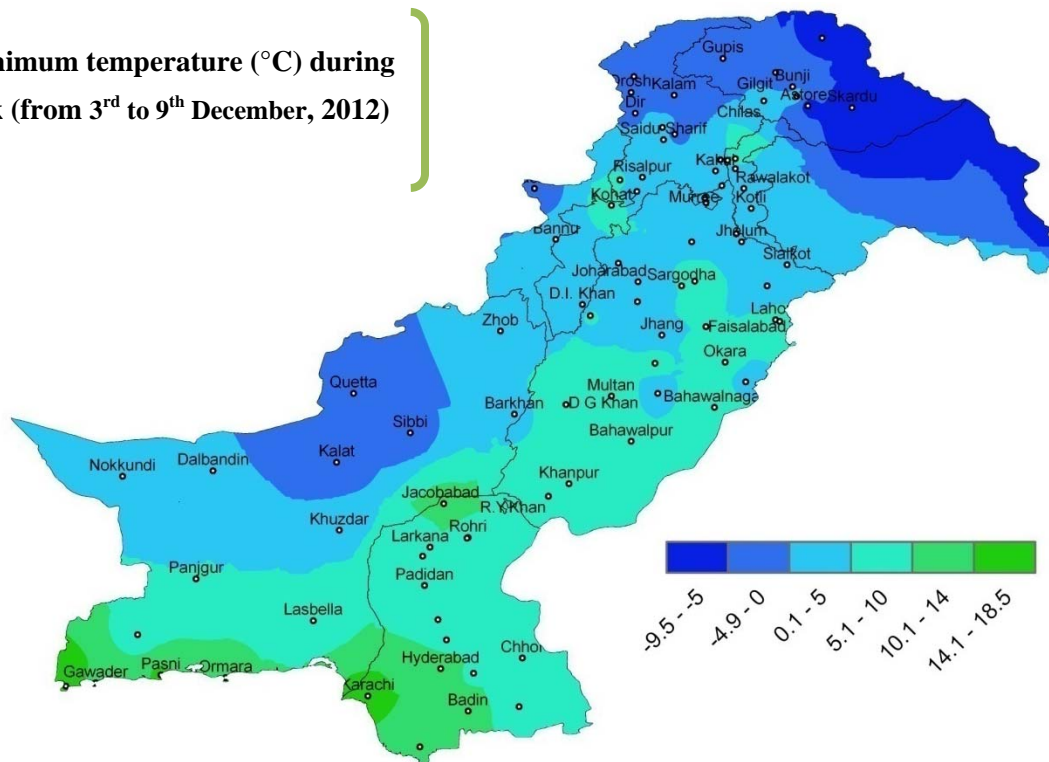
There is presently one crop (rainfed conditions) grown in the fields as detailed below.

**Wheat**: Good condition, at *Emergence* stage.

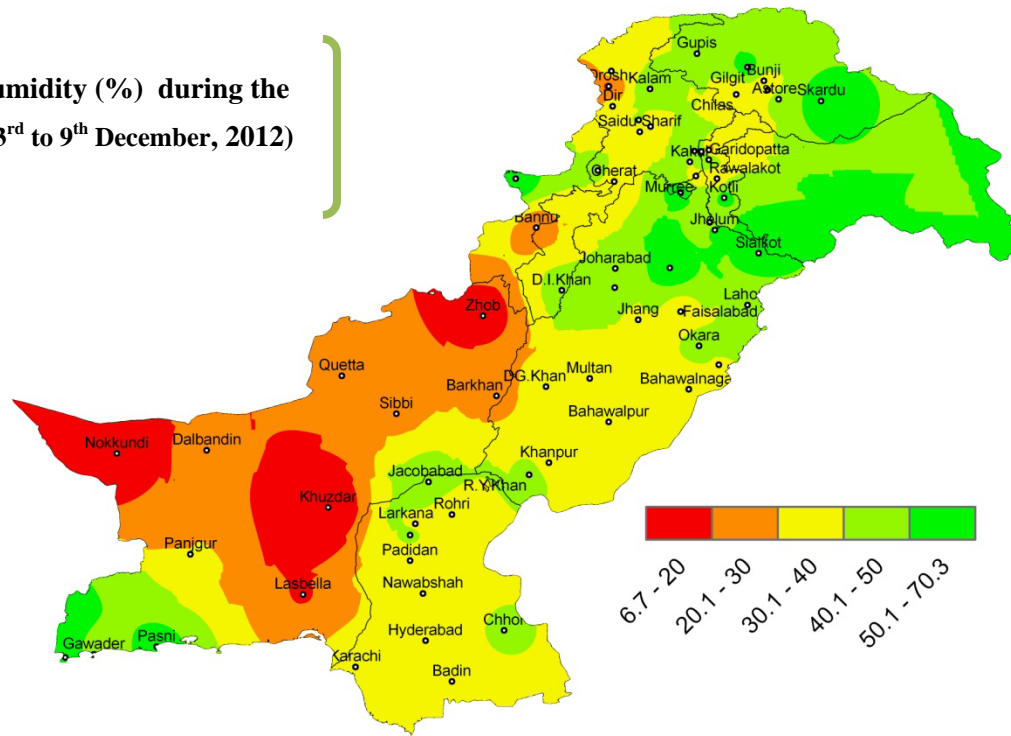
Mean minimum temperature (°C) during the last week (from 3<sup>rd</sup> to 9<sup>th</sup> December, 2012)



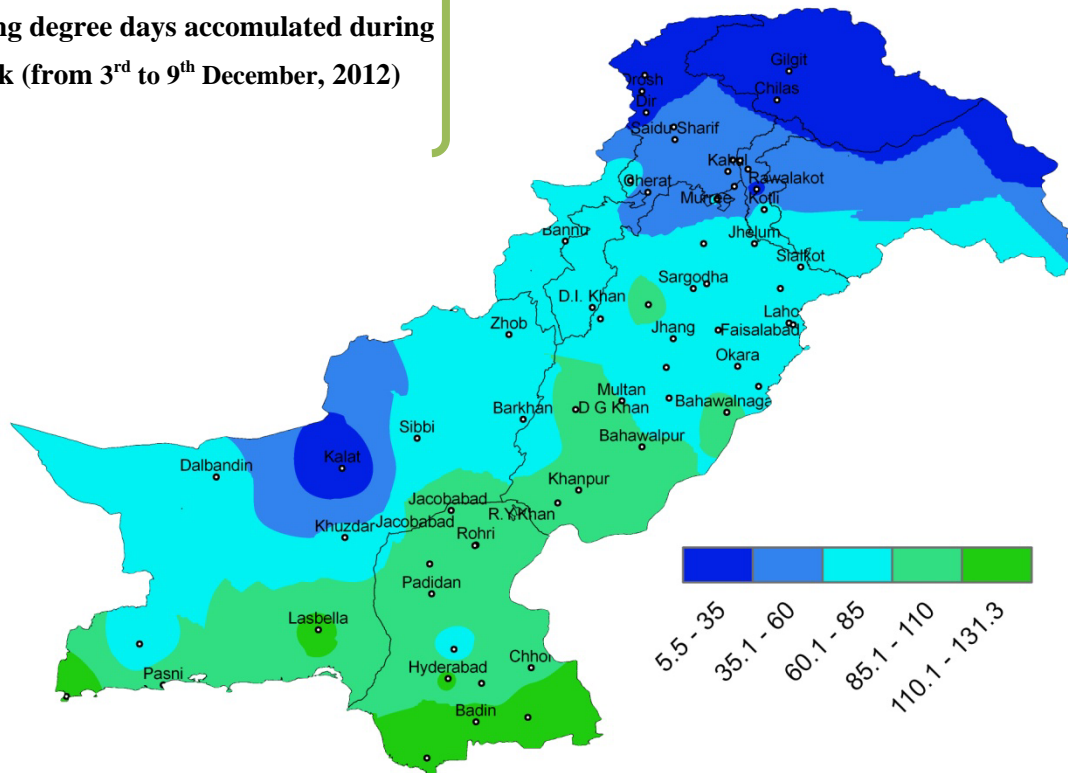
Extreme minimum temperature (°C) during the last week (from 3<sup>rd</sup> to 9<sup>th</sup> December, 2012)



**Mean relative humidity (%) during the last week (from 3<sup>rd</sup> to 9<sup>th</sup> December, 2012)**

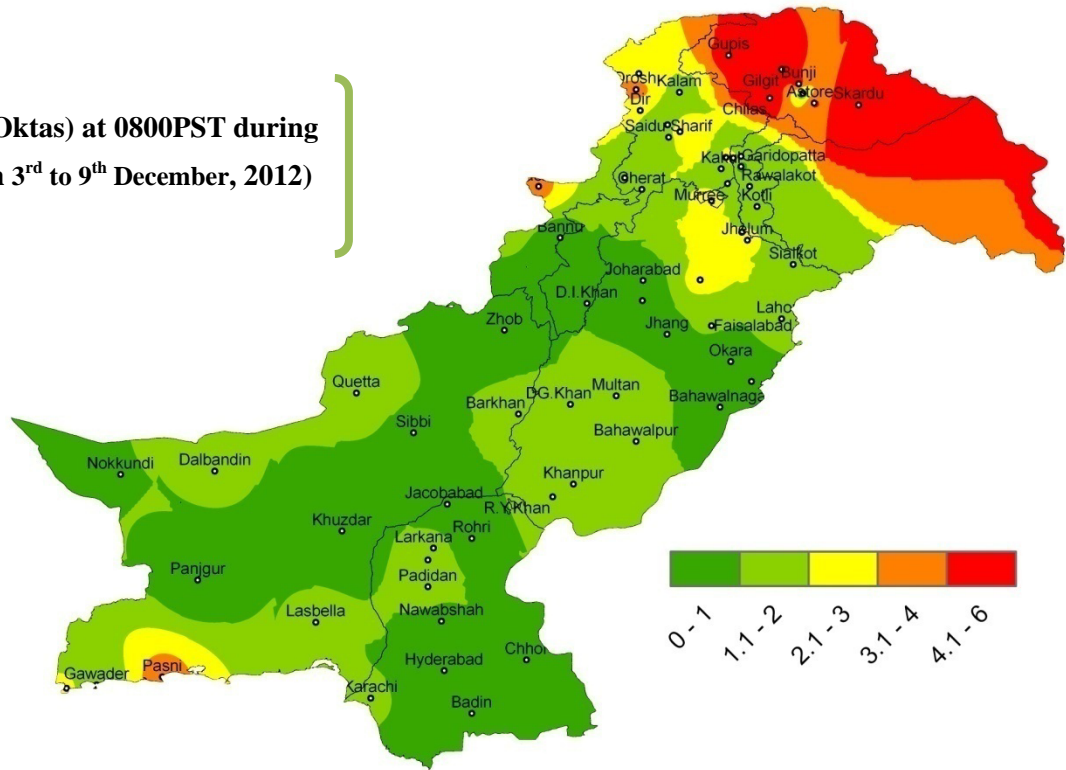


**Total growing degree days accumulated during the last week (from 3<sup>rd</sup> to 9<sup>th</sup> December, 2012)**

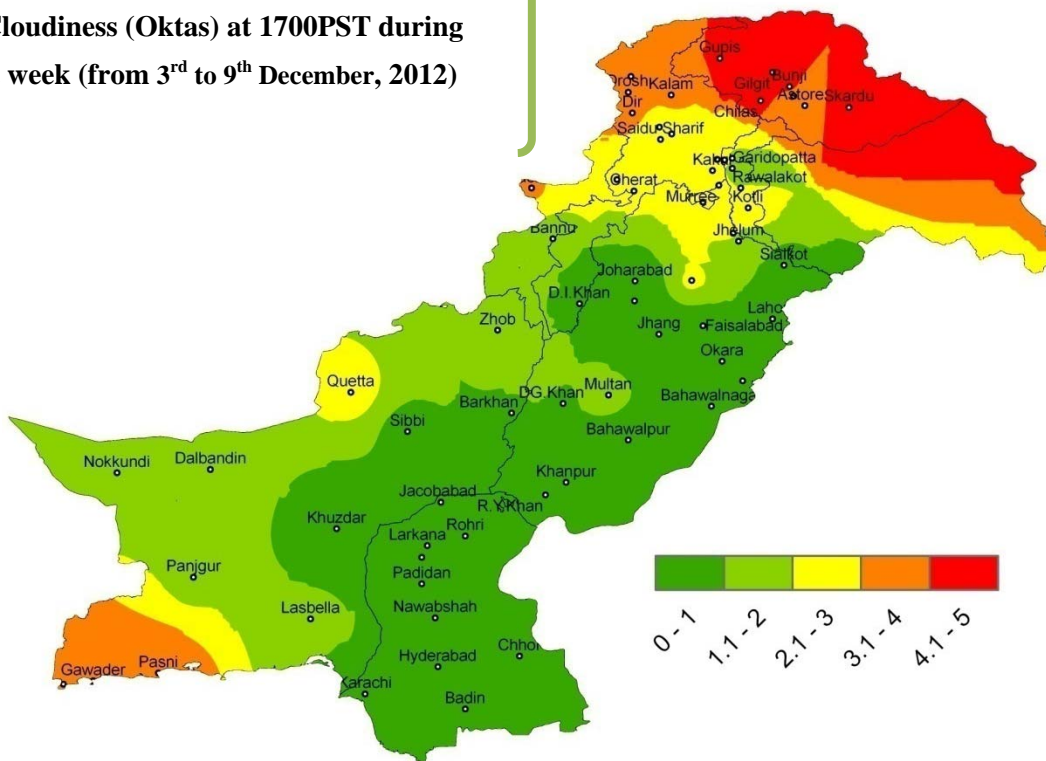




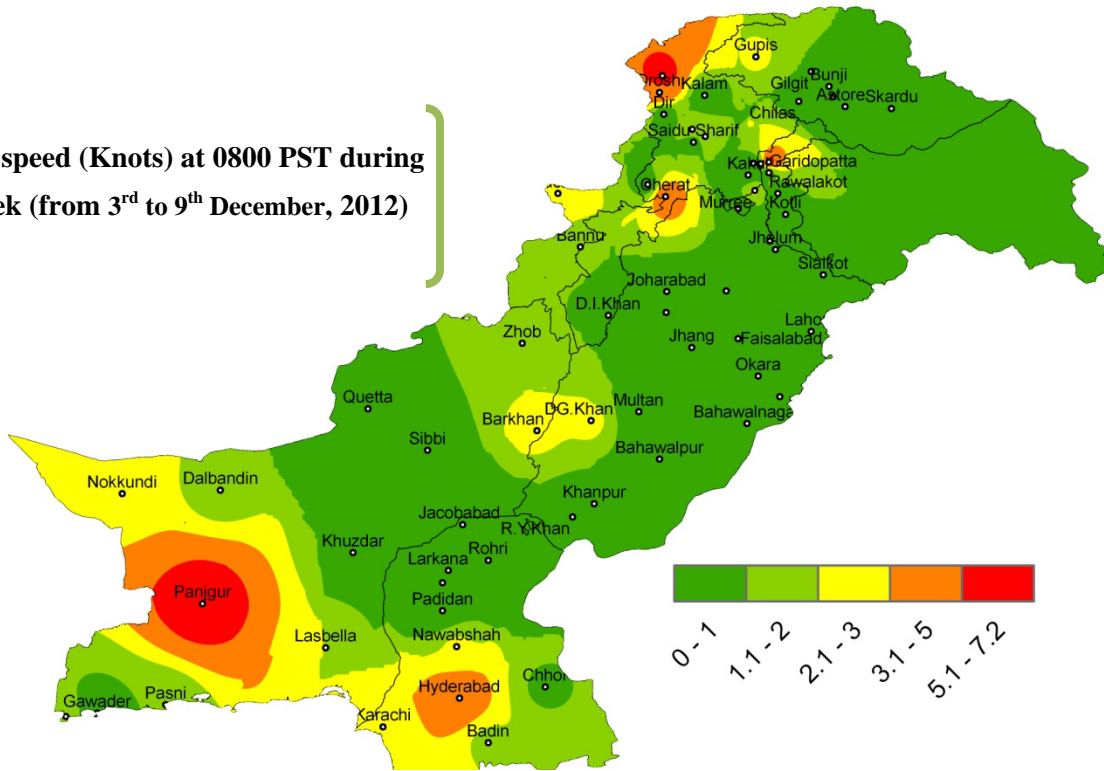
Mean Cloudiness (Oktas) at 0800PST during the last week (from 3<sup>rd</sup> to 9<sup>th</sup> December, 2012)



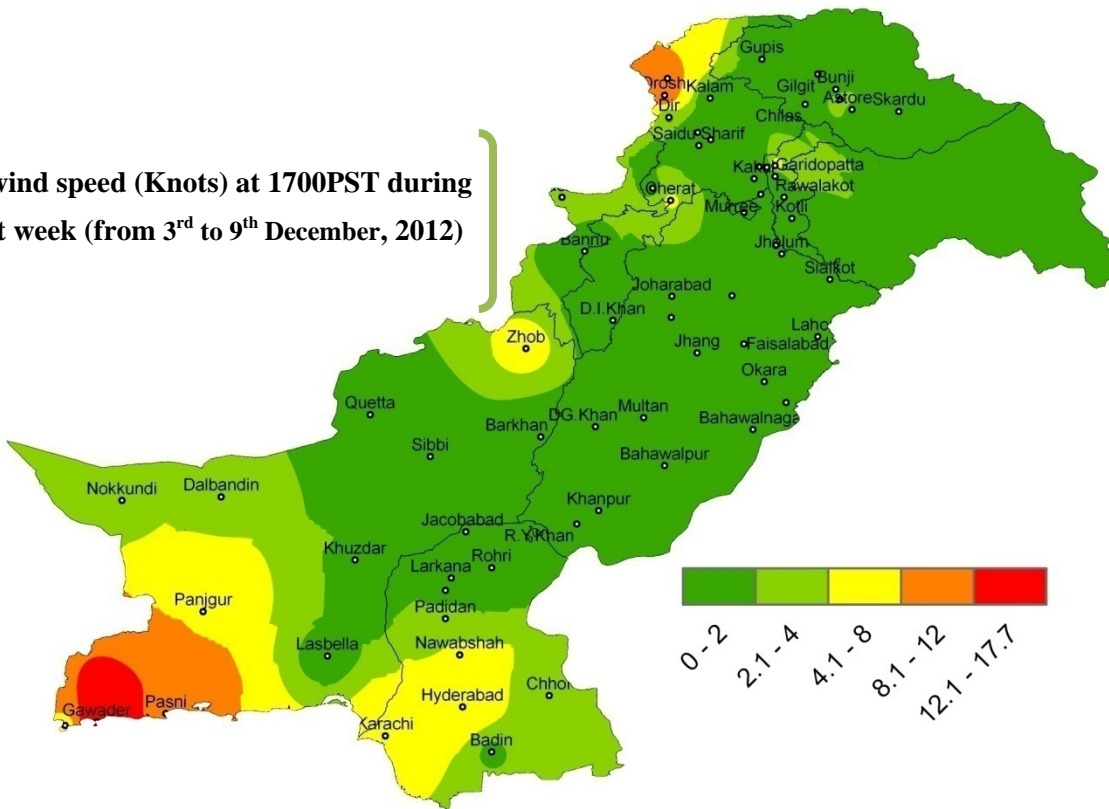
Mean Cloudiness (Oktas) at 1700PST during the last week (from 3<sup>rd</sup> to 9<sup>th</sup> December, 2012)



Mean wind speed (Knots) at 0800 PST during the last week (from 3<sup>rd</sup> to 9<sup>th</sup> December, 2012)



Mean wind speed (Knots) at 1700 PST during the last week (from 3<sup>rd</sup> to 9<sup>th</sup> December, 2012)





## **Weekly Weather advisory for Farmers (from 10<sup>th</sup> to 16<sup>th</sup> December, 2012)**

A shallow westerly wave is prevailing over upper parts of the country. A fresh westerly wave of moderate intensity is likely to approach upper 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, Rain/thunderstorm is likely to occur at scattered places of upper Punjab including Islamabad on Thursday, while at few places of Northeast Punjab on Tuesday and Friday.

### **Khyber Pakhtunkhwa:**

Mainly cold & dry weather is expected in most parts of the province during the week; however, Rain/thunderstorm is likely to occur at scattered places of K.P. on Wednesday (night) and Thursday, while at a few places of Malakand division on Tuesday, Wednesday and on the weekend.

### **Balochistan:**

Mainly cold & dry weather is expected in most parts of the province during the week; however, light rain may occur at isolated places of Northeastern Balochistan on Wednesday (Evening/Night) and Thursday.

### **Sindh:**

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

### **Kashmir:**

Rain/thunderstorm with snowfall over the hills may occur at scattered places of Kashmir on Thursday, while mostly partly cloudy weather conditions with chances of light rain (with light snowfall over the hills) are expected at a few places of Kashmir during rest of the week.

### **Gilgit-Baltistan:**

Rain (with snowfall over hills) is likely to occur at scattered places of G.B. on Thursday, while mostly partly cloudy weather conditions with chances of light rain (with light snowfall over the hills) are expected at a few places of G.B. during rest of the week.

### **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.

### **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.

## National Weather Data of Selected Cities (Weekly data from 3<sup>rd</sup> to 09<sup>th</sup> December, 2012)

STATIONS	Minimum/Day Temperature (°C)		Growing Deg. Days	Realtive Humidity (%)	Rainfall (mm)	Cloudiness (Oktas) 0800 PST	Cloudiness (Oktas) 1700 PST	Wind Speed (Knots) 0800 PST	Wind Speed (Knots) 1700 PST
	Mean	Lowest Min							
Badin	15.3	12.5	122.2	55	0.0	0.5	0.0	1.7	1.7
Bahawalnagar	9.1	8.0	90.4	61	0.0	0.5	1.0	0.0	0.3
Bahawalpur	7.3	5.8	86.2	61	0.0	1.0	0.3	0.0	0.0
Balakot	4.2	2.6	52.5	60	0.0	2.0	2.7	0.0	0.0
Bannu	4.0	2.2	75.5	36	0.0	0.3	1.3	1.3	1.0
Barkhan	5.6	3.5	63.0	33	0.0	1.5	1.0	2.3	0.3
Cherat	5.6	4.5	39.8	34	0.0	1.7	2.0	4.7	4.3
Chhor	10.6	7.0	109.6	56	0.0	0.0	0.5	0.7	2.3
Chilas	3.4	2.5	30.6	33	0.0	4.8	4.0	0.3	0.0
Chitral	1.3	-0.6	28.0	48	0.1	2.2	3.2	6.7	9.7
D.G.Khan	10.5	9.2	96.1	59	0.0	1.0	1.0	0.7	0.0
D.I.khan	5.6	3.0	77.0	37	0.0	1.3	2.0	1.3	3.3
Dalbandin	3.9	0.5	65.4	54	0.0	1.2	1.0	2.3	1.0
Dir	2.0	-1.0	32.8	45	0.0	2.0	3.3	0.0	1.7
Drosh	1.8	0.0	22.2	26	0.0	3.8	3.8	4.3	11.2
Faisalabad	6.8	5.0	79.7	58	0.0	1.0	0.5	0.7	0.3
Garhi Dopatta	3.2	2.0	54.5	64	0.0	0.7	1.3	0.0	0.3
Gilgit	-2.4	-4.5	5.5	65	0.0	5.2	5.0	1.0	0.0
Hyderabad	14.4	14.0	114.1	45	0.0	0.0	0.0	4.7	7.7
Islamabad	3.5	2.0	61.6	74	0.0	2.3	2.3	0.0	0.0
Jacobabad	12.7	11.5	103.5	61	0.0	0.3	0.8	0.0	0.0
Jhang	6.3	4.6	82.8	62	0.0	0.7	0.0	0.0	0.0
Jhelum	5.8	4.8	76.9	73	0.0	2.2	1.3	0.0	0.7
Joharabad	4.3	3.0	75.0	63	0.0	0.7	0.7	0.0	0.0
Kakul	1.7	1.0	38.9	54	0.0	1.5	2.8	0.0	1.0
Khanpur	7.4	6.2	85.7	62	0.0	1.8	0.7	0.3	0.3
Khuzdar	5.1	3.5	62.0	18	0.0	0.0	0.0	0.3	2.0
Kotli	5.6	4.5	68.8	69	0.0	1.3	2.5	0.3	0.7
Lahore	5.6	5.0	78.8	61	0.0	1.5	0.5	0.0	0.0
Lasbela	10.6	7.5	112.8	45	0.0	1.3	1.3	2.0	1.3
Lower Dir	3.6	2.5	42.5	61	0.0	0.8	2.0	2.0	2.0
Mandi-Bahu-Din	6.9	6.0	68.7	76	0.0	2.4	2.2	0.0	0.0
Moin-Jo-Daro	8.7	7.0	89.6	66	0.0	1.2	0.8	0.0	1.3

Multan	8.2	6.5	85.0	57	0.0	2.0	1.3	0.0	0.0
Murree	5.7	3.0	42.4	33	0.0	1.5	2.3	2.3	0.3
Muzaffarabad	4.7	3.9	50.2	72	0.0	2.7	3.0	0.0	0.0
Noorpur Thal	6.4	2.5	89.4	64	0.0	0.3	0.0	0.0	0.0
Okara	7.3	6.0	82.9	64	0.0	0.7	0.8	0.0	0.0
Padidan	11.4	9.5	99.5	60	0.0	1.2	0.8	0.3	2.3
Pasni	15.9	14.5	90.5	65	0.0	3.5	4.0	1.0	11.3
Peshawar	6.7	5.5	73.6	59	0.0	1.5	2.4	0.0	1.6
R.Y.Khan	8.7	6.7	92.2	63	0.0	1.5	0.7	0.0	0.3
Rawalakot	1.0	0.0	26.9	53	0.0	2.0	2.0	0.0	2.0
Rohri	12.1	10.5	101.5	57	0.0	0.4	0.7	0.0	11.2
Sahiwal	5.1	4.0	72.0	62	0.0	0.5	0.0	0.0	0.0
Saidu Sharif	4.4	2.5	52.3	56	0.0	1.7	3.0	0.3	0.0
Sialkot	4.6	2.7	61.2	67	0.0	1.5	0.5	0.0	0.0
Sibbi	0.6	-2.0	66.1	46	0.0	0.8	0.7	0.0	0.0
Zhob	2.1	1.5	85.0	30	0.0	0.0	1.3	1.7	5.0

\*\*\* DATA NOT AVAILABLE