

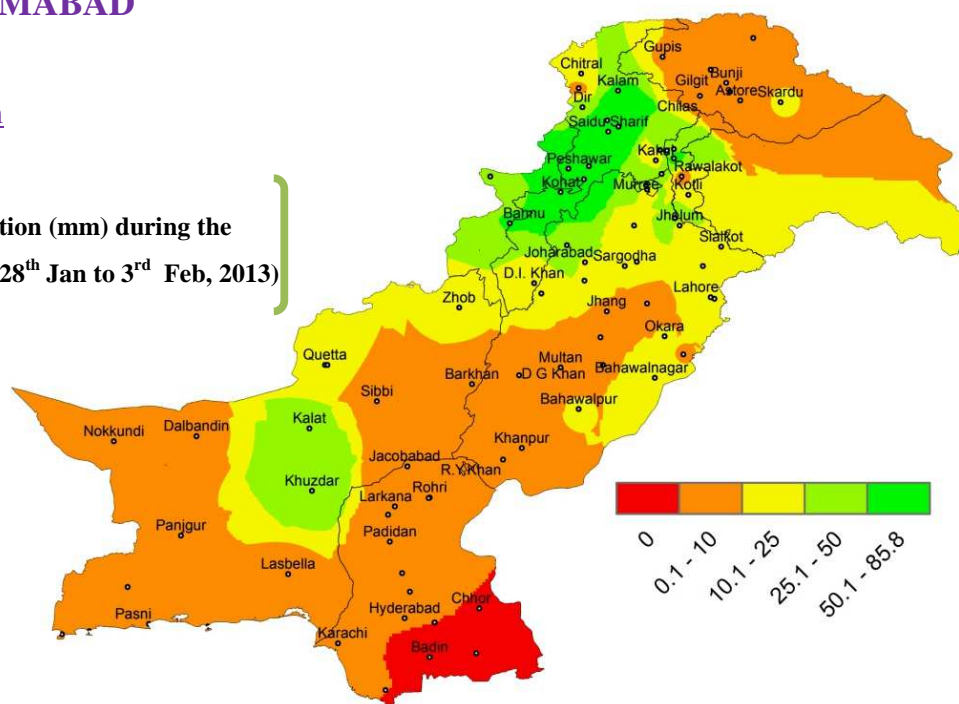
## Weekly Weather and Crop Bulletin for Pakistan

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Rainfall distribution (mm) during the  
last week (from 28<sup>th</sup> Jan to 3<sup>rd</sup> Feb, 2013)



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### Highlights of Past Weather (28<sup>th</sup> Jan to 3<sup>rd</sup> Feb, 2013)

Light to moderate rainfall (with snow over the hills) occurred in most of the agricultural plains of the country, especially in the upper half.

Chief Editor: Dr. Khalid Mehmood Malik (Director)  
Editor: Dildar Hussain Kazmi (Meteorologist)

## **Punjab**

Light to moderate precipitation reported from most of the agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 22.8°C & 7.7°C respectively. For the present season on average 71.7 growing degree days accumulated by the end of last week. Average relative humidity recorded as 67% and wind speed in the morning/evening recorded as 0.7/1.6 Knots. During the previous week the highest rainfall recorded at Islamabad as 62.1 mm and extreme minimum temperature recorded at Murree as 1.5 °C.

## **Sindh**

Light to moderate rainfall reported from scattered places of the province during the week. Weekly maximum temperature and minimum temperature recorded as 27.1°C & 12.0°C respectively. For the present season on average 98.0 growing degree days accumulated by the end of last week. Average relative humidity recorded as 61 % and wind speed in the morning/evening recorded as 2.1/4.0 Knots. During the previous week the highest rainfall recorded at Rohri as 9.1 mm and extreme minimum temperature recorded as 6°C at Mithi.

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

Light to moderate precipitation reported from most of the agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 15.4°C & 2.5°C respectively. For the present season on average 35.9 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 1.3/1.7 Knots. During the previous week the highest rainfall recorded at Malam Jabba as 86.0 mm and extreme minimum temperature recorded as -10.0°C at Parachinar.

## **Balochistan**

Light to moderate precipitation reported from most of the agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 23.0°C & 7.7°C respectively. For the present season on average 77.9 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 1.6/4.7 Knots. During the previous week the highest rainfall recorded at Khuzdar as 45.0 mm and extreme minimum temperature recorded as -2.0°C at Kallat.

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

Light to moderate precipitation reported from most of the agricultural plains of the region during the week. Weekly maximum temperature and minimum temperature recorded as 12.8°C & -0.1°C respectively. For the present season on average 31.1 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 0.4/1.4 Knots. During the previous week the highest rainfall recorded at Garhi Dopatta as 60.0 mm and extreme minimum temperature recorded as -16.7°C at Skardu.

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

(from 28<sup>th</sup> Jan to 3<sup>rd</sup> Feb, 2013)

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

Rainfall reported as 8.0 mm during the week however cloudiness in the morning/evening as 3.8/3.2 Oktas while average relative humidity observed as 71%. Mean night temperature recorded as 4.3°C & for the present season 50.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.2/1.6 Km/h.

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

Rainfall reported as 3.2 mm during the week however cloudiness in the morning/evening as 3.6/4.6 Oktas while average relative humidity observed as 59%. Mean night temperature recorded as 7.8°C & for the present season 71.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/1.4 Km/h.

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

Rainfall reported as Trace (indeterminate amount) during the week however cloudiness in the morning/evening as 3/2.7 Oktas while average relative humidity observed as 64%. Mean night temperature recorded as 11.9°C & for the present season 102.8 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)**

Rainfall reported as 12.9 mm during the week however cloudiness in the morning/evening as 4/6.7 Oktas while average relative humidity observed as 51%. Mean night temperature observed as 3.8°C & for the present season 29.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 6.1/5.7 Km/h.

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

Rainfall reported as 5.0 mm during the week however cloudiness in the morning/evening as 1.4/1.7 Oktas while average relative humidity

observed as 90%. Mean night temperature recorded as 11.6°C & for the present season 85.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/2.1 Km/h.

## **Past Weather for sub regional Agri-cultural Plains (from 28<sup>th</sup> Jan to 3<sup>rd</sup> Feb, 2013)**

### **Rohri**

Rainfall reported as 9.1 mm during the week however cloudiness in the morning/evening as 3.8/4.7 Oktas while average relative humidity observed as 64%. Mean night temperature recorded as 13.5°C & for the present season 103.8 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 1.7/2.6 Knots.

### **Multan**

Rainfall reported as 4.1 mm during the week however cloudiness in the morning/evening as 4/3.6 Oktas while average relative humidity observed as 66%. Mean night temperature recorded as 9.1°C & for the present season 80.5 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 1.7/1.1 Knots.

### **Lahore**

Rainfall reported as 19.0 mm during the week however cloudiness in the morning/evening as 5/4.9 Oktas while average relative humidity observed as 67%. Mean night temperature recorded as 6.4°C & for the present season 66.8 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 0/1.7 Knots.

### **Zhob**

Precipitation reported as 16.0 mm during the week however cloudiness in the morning/evening as 3.9/3.9 Oktas while average relative humidity observed as 47%. Mean night temperature recorded as 2.1°C & for the present season 71.8 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 3.6/8.4 Knots.

## **D.I. Khan**

Rainfall reported as 11.1 mm during the week however cloudiness in the morning/evening as 3/3.7 Oktas while average relative humidity observed as 64%. Mean night temperature recorded as 7.6°C & for the present season 71.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/1.4 Knots.

## **Peshawar**

Rainfall reported as 80.2 mm during the week however cloudiness in the morning/evening as 3.4/4.1 Oktas while average relative humidity observed as 59%. Mean night temperature recorded as 7.5°C & for the present season 63.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/2.0 Knots.

## **Murree**

Precipitation reported as 29.0 mm during the week however cloudiness in the morning/evening as 4/4.7 Oktas while average relative humidity observed as 53%. Mean night temperature recorded as 3.8°C & for the present season 16.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2/1.1 Knots.

## **Kalam**

Precipitation reported as 54.0 mm during the week however cloudiness in the morning/evening as 4.9/6.0 Oktas while average relative humidity observed as 69%. Mean night temperature recorded as -2.5°C & wind recorded in the morning/evening as Calm (no wind).

## **Gilgit.**

Precipitation reported as 0.2 mm during the week however cloudiness in the morning/evening as 5.7/5.9 Oktas while average relative humidity observed as 65%. Mean night temperature recorded as -1.0°C & for the present season 5.4 growing degree days accumulated by the end of

last week. Wind speed recorded in the morning/evening as 0.3/0.0 Knots.

## **Skardu**

Precipitation reported as 11.2 mm during the week however cloudiness in the morning/evening as 7/5.9 Oktas while average relative humidity observed as 74%. Mean night temperature recorded as -8.5°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)**

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

**Wheat (Chakwal-97):** Good condition at *Shooting* stage.

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

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

**Sugarcane:** Good condition at *Tillering* stage.

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

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

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

**Wheat (TJ-83):** Good condition at Milk Maturity.

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

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

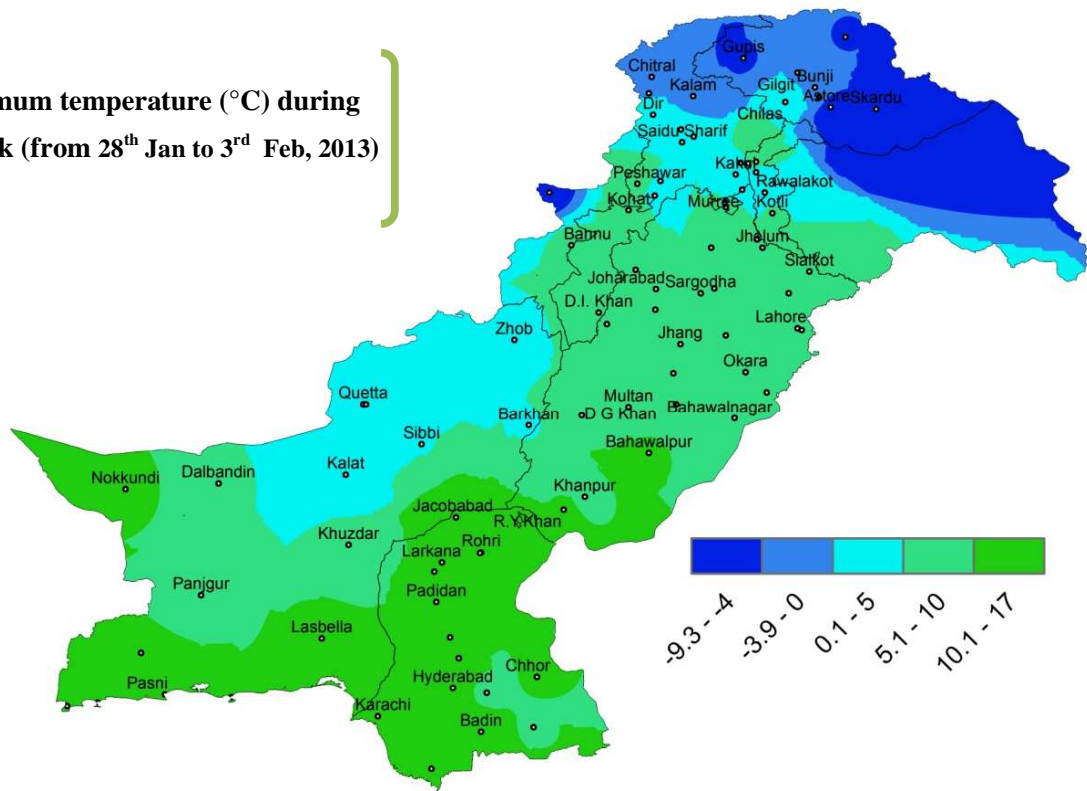
**Wheat:** Good condition at *Tillering* stage.

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

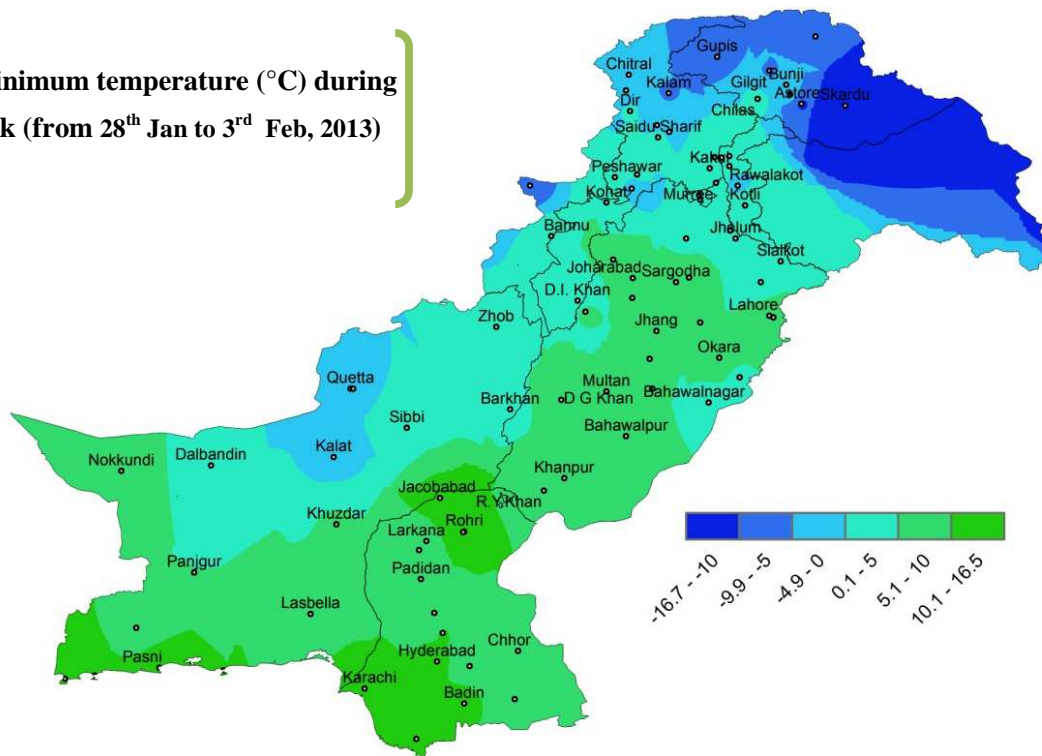
There is presently one crop (irrigated conditions) grown in the fields as detailed below.

**Wheat:** Good condition at *Third leaf* stage.

Mean minimum temperature (°C) during the last week (from 28<sup>th</sup> Jan to 3<sup>rd</sup> Feb, 2013)



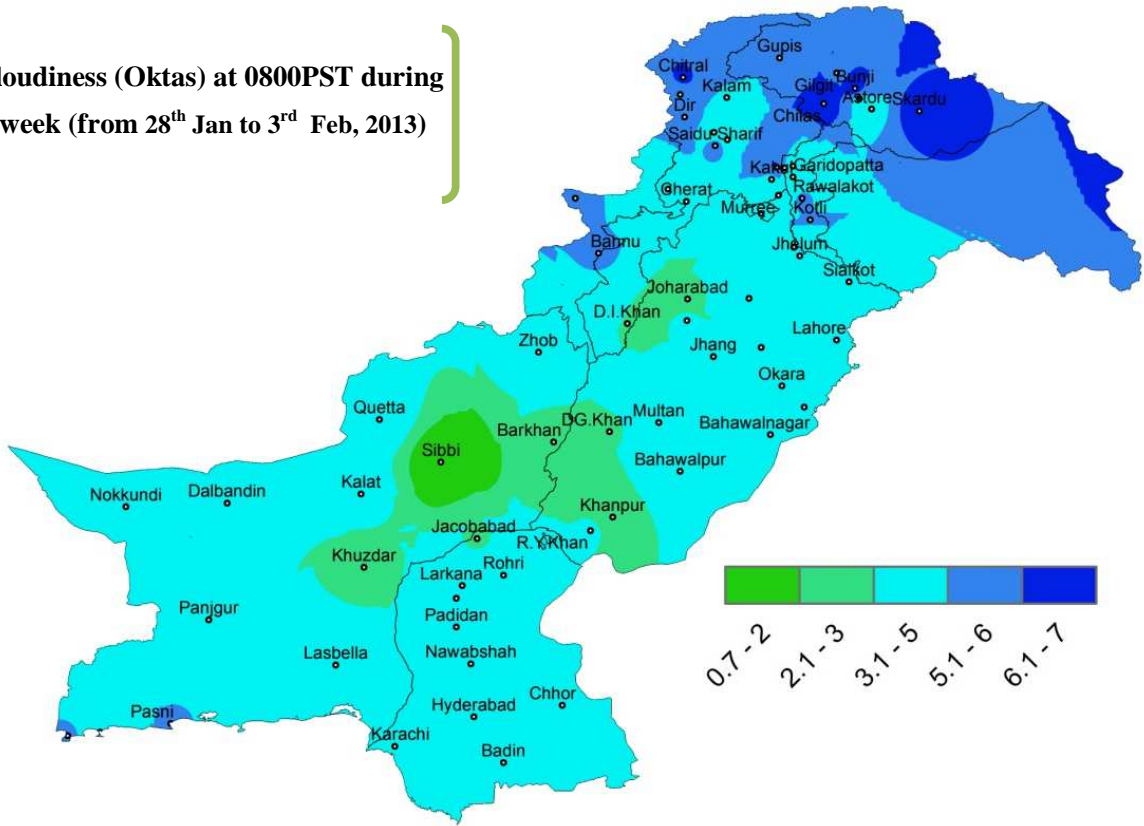
Extreme minimum temperature (°C) during the last week (from 28<sup>th</sup> Jan to 3<sup>rd</sup> Feb, 2013)



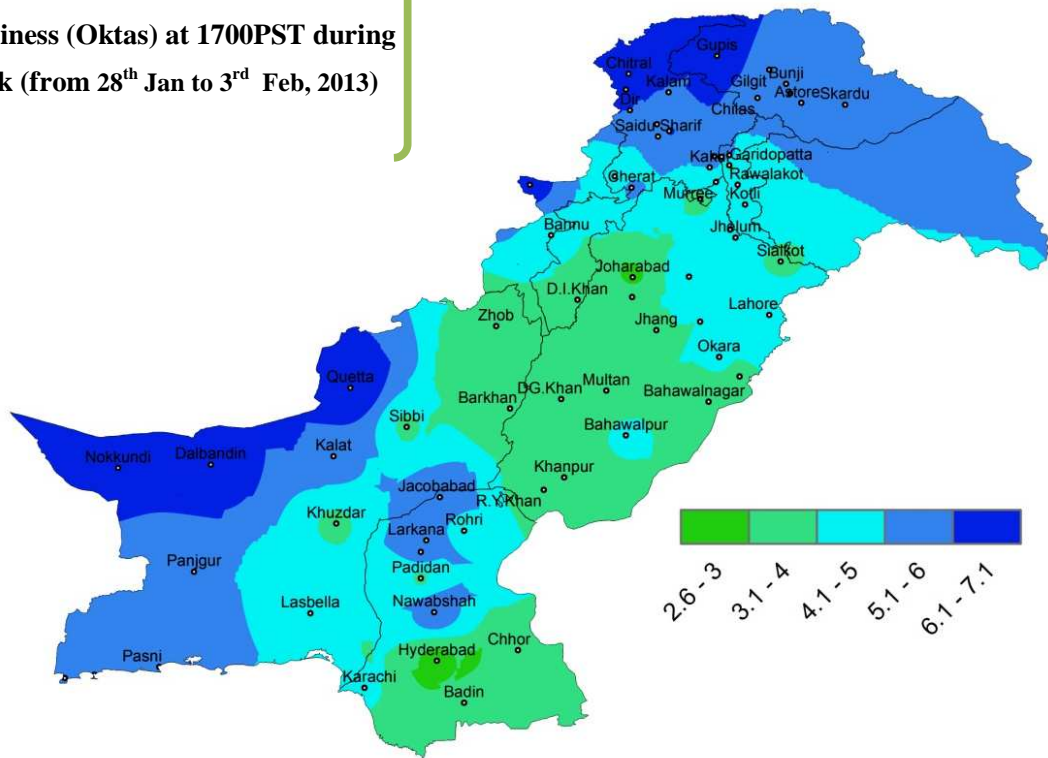




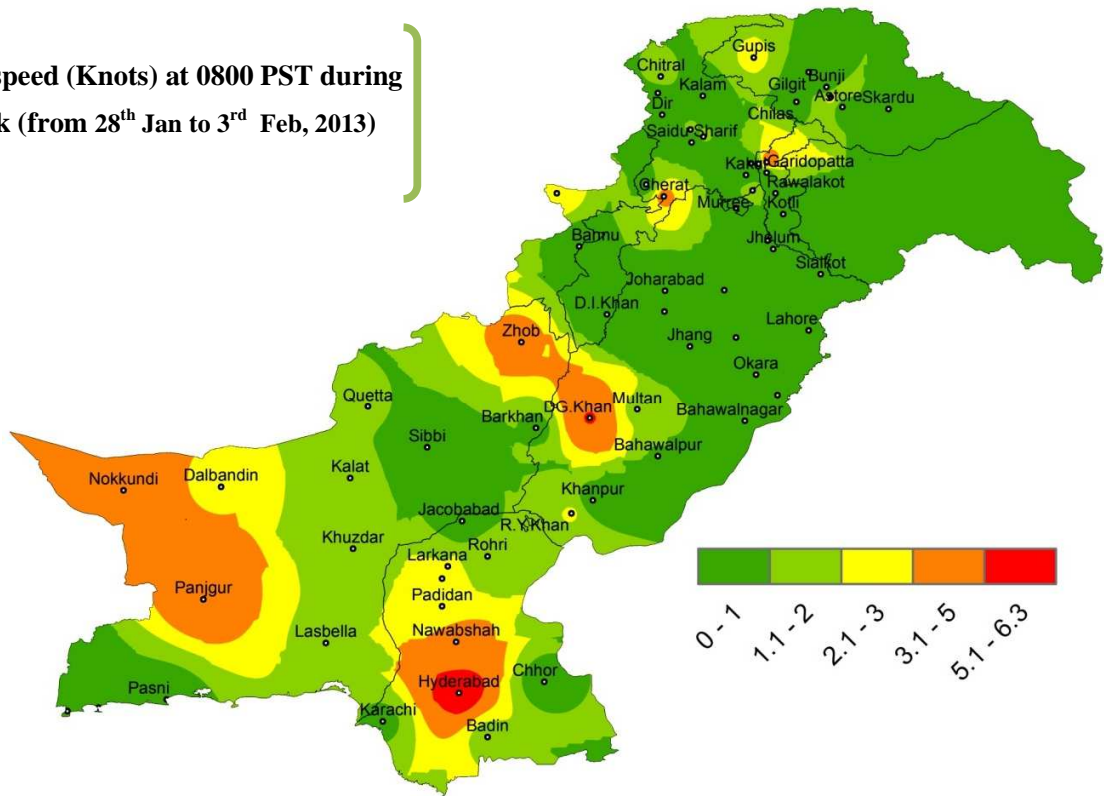
Mean Cloudiness (Oktas) at 0800PST during the last week (from 28<sup>th</sup> Jan to 3<sup>rd</sup> Feb, 2013)



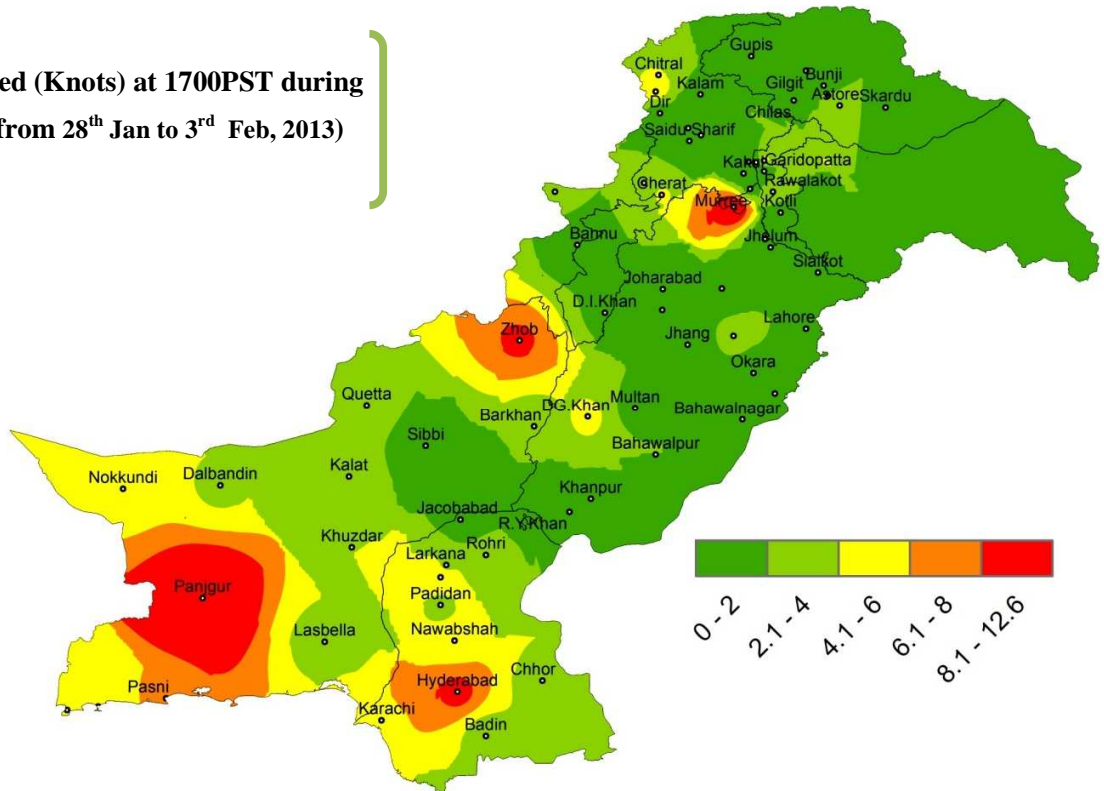
Mean Cloudiness (Oktas) at 1700PST during the last week (from 28<sup>th</sup> Jan to 3<sup>rd</sup> Feb, 2013)



Mean wind speed (Knots) at 0800 PST during the last week (from 28<sup>th</sup> Jan to 3<sup>rd</sup> Feb, 2013)



Mean wind speed (Knots) at 1700 PST during the last week (from 28<sup>th</sup> Jan to 3<sup>rd</sup> Feb, 2013)





## **Weekly Weather advisory for Farmers (from 4<sup>th</sup> to 10<sup>th</sup> February, 2013)**

A strong western system is affecting Northern parts of the country and likely to persist during next 48 hours . This strong weather system is expected to generate heavy rains with Snowfall over the hills in upper parts of the country . Continental air would prevail during rest of week.

### **Punjab including Islamabad:**

Widespread Thunderstorm-rain with scattered heavy falls and snowfall over the hills is expected in upper parts of the province on Monday/Tuesday, while isolated rain is likely at Southern parts of the province during next 24-36 hours. Cold & dry weather is expected in most parts of the province during rest of week.

### **Khyber Pakhtunkhwa:**

Widespread Thunderstorm-rain with snowfall over the hills is expected in the province on Monday/Tuesday. Scattered heavy falls are also expected in upper parts of the province on during the period. Cold & dry weather is expected in most parts of the province during rest of week.

### **Balochistan:**

Mainly cold & dry weather is expected in most parts of the province during the week. However, rain and snowfall over the hills is likely at isolated places of Northern Balochistan on Monday. Cold wave conditions likely to prevail in Northern part of the province during next 3 to 4 days.

### **Sindh:**

Mainly cold & dry weather is expected in most parts of the province during the week. However, light rain is likely at isolated places of the province on Monday.

### **Kashmir:**

Mainly cold & dry weather is expected in most parts of the province during the week. However, light rain is likely at isolated places of the province on Monday.

### **Gilgit-Baltistan:**

Widespread rain with snowfall and scattered heavy fall is expected in GB on Monday/Tuesday, while at isolated places on Wednesday. No significant weather is likely during rest of 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 28<sup>th</sup> Jan to 3<sup>rd</sup> Feb, 2013)

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 Min							
Astore	-7.8	-11.0	***	55	0.0	4.6	5.7	0.6	3.1
Badin	14.3	12.2	93.1	58	0.0	3.1	3.3	1.4	2.6
Bahawalnagar	9.1	3.5	83.4	67	22.0	4.6	3.6	0.3	0.6
Bahawalpur	10.6	7.0	89.5	67	11.0	4.0	4.1	0.9	2.0
Balakot	3.8	1.6	42.5	64	25.0	6.4	5.1	0.0	0.0
Bannu	8.2	4.0	***	59	51.1	5.1	4.4	0.0	0.0
Barkhan	4.5	3.0	54.0	46	3.0	2.7	3.1	0.6	2.3
Bunji	-0.3	-4.0	6.6	59	0.0	7.0	5.9	0.0	0.0
Cherat	3.1	-2.5	20.8	45	70.0	3.7	5.1	3.4	4.3
Chhor	10.7	7.5	109.2	52	0.0	4.3	3.1	0.3	2.9
Chilas	4.2	1.5	30.8	41	0.0	6.4	5.9	0.6	1.1
Chitral	-1.6	-2.5	1.8	67	25.0	6.1	6.6	1.4	4.0
D G Khan	10.0	9.0	83.8	64	3.1	3.0	3.7	0.0	1.4
D.I. Khan	7.6	1.5	71.7	48	11.1	3.6	6.9	2.9	3.4
Dalbandin	5.4	2.0	56.4	64	1.0	2.9	3.0	5.1	4.6
Dir	1.5	0.5	23.1	64	40.0	5.4	6.0	0.0	0.3
Drosh	0.0	-2.3	4.8	46	0.0	5.6	6.1	0.6	5.0
Faisalabad	7.3	5.5	71.7	67	3.0	4.7	4.0	0.0	2.9
Garidopatta	2.2	0.0	46.0	60	60.0	2.7	3.7	0.0	0.0
Gawader	13.6	11.5	114.3	73	8.0	3.2	6.0	0.0	4.0
Gilgit	-1.0	-5.5	5.4	65	0.2	5.7	5.9	0.3	0.0
Gupis	-4.9	-7.0	***	56	8.0	5.1	6.3	2.3	1.1
Hyderabad	14.3	11.0	111.3	54	0.0	3.0	2.6	6.3	8.9
Islamabad	4.4	1.8	56.0	68	62.2	4.1	3.7	0.0	11.4
Jacobabad	13.4	11.5	95.5	64	0.1	2.9	5.6	0.0	0.3
Jhang	7.3	5.0	74.4	69	7.0	3.3	3.9	0.0	0.0
Jhelum	6.1	4.2	67.8	72	20.2	3.9	4.3	0.0	0.0
Jiwani	17.0	16.5	116.2	77	4.0	5.3	5.4	1.0	5.7
Joharabad	7.2	5.0	72.3	72	23.1	2.6	2.7	0.0	0.6
Kakul	2.4	0.3	29.2	56	20.0	4.6	5.0	0.0	0.3
Kalam	-2.5	-5.5	***	69	54.0	4.9	6.0	0.0	0.0
KLT	1.6	-2.0	25.3	44	37.1	3.9	5.7	1.4	3.1
Karachi	14.4	11.7	120.8	50	6.0	4.2	4.1	0.7	5.7
Khanpur	9.7	7.0	86.0	68	8.1	2.4	3.3	0.3	1.1
Khuzdar	6.3	5.5	68.5	35	45.0	2.3	3.9	1.3	4.0
Kotli	6.3	3.1	60.5	66	21.0	5.0	4.9	0.6	0.6
Lahore	8.7	7.0	75.9	67	15.0	5.0	4.9	0.0	1.7
Larkana	10.3	10.0	88.5	68	9.0	4.0	5.3	2.0	3.7

Lasbella	11.7	8.0	110.0	50	0.1	4.5	4.6	1.7	2.9
Lower Dir	2.6	-2.0	33.3	72	67.0	4.4	5.1	1.1	1.1
M.B.din	8.3	6.3	72.4	74	18.1	4.9	4.7	0.3	0.9
Malam Jabba	0.4	-1.0	***	58	86.0	4.7	6.1	1.1	0.0
Mangla	5.8	3.3	65.3	67	36.2	5.0	4.7	0.0	0.0
Mir Khani	-1.7	-2.3	***	69	8.0	4.4	5.9	2.6	2.6
Moen-Jo-Daro	10.1	7.0	68.6	68	9.0	3.6	5.4	2.3	5.1
Multan	9.1	5.3	80.5	66	4.1	4.0	3.6	1.7	1.1
Murree	3.8	1.5	16.0	53	29.0	4.0	4.7	2.0	1.1
Muzaffarabad	5.4	3.4	52.1	64	30.0	4.9	5.6	0.0	0.0
Nawabshah	10.6	7.5	97.1	63	0.1	4.3	5.9	3.7	4.4
Nokkundi	11.8	8.3	***	19	0.3	4.6	6.1	3.1	4.9
Noorpur Thal	7.8	6.0	79.0	67	22.0	3.1	4.0	0.0	0.0
Okara	9.9	8.0	86.9	67	11.0	4.4	4.2	0.3	1.0
Padidan	11.4	8.5	***	72	3.0	3.9	3.8	2.3	3.7
Panjgur	7.2	5.0	68.0	57	5.0	3.9	5.0	4.3	12.6
Parachinar	-9.3	-10.0	***	69	31.0	5.3	6.6	3.0	3.1
Pasni	14.4	12.5	89.5	76	0.0	5.2	6.0	0.3	6.9
Pattan	7.4	3.0	***	42	49.0	4.3	5.1	5.4	5.1
Peshawar	7.5	5.0	63.4	59	80.2	3.4	4.1	0.3	2.0
Quetta	3.6	-1.0	***	59	15.0	4.1	7.1	1.1	3.4
R.Y.Khan	10.3	8.3	88.5	68	5.1	3.1	3.9	2.1	1.7
Rawalakot	0.0	-1.0	16.3	66	0.0	5.3	4.6	0.0	4.0
Rohri	13.5	11.0	103.8	64	9.1	3.8	4.7	1.7	2.6
Sahiwal	8.0	4.2	78.8	68	9.0	3.4	3.9	0.3	0.6
Saidu Sharif	4.1	2.0	38.3	65	83.0	5.3	5.3	0.0	0.0
Sialkot	6.4	4.5	***	76	21.0	3.3	3.9	0.0	0.3
Sibbi	4.8	2.0	69.9	50	0.0	0.7	3.9	0.0	0.0
Skardu	-8.5	-16.7	***	74	11.2	7.0	5.9	0.0	0.3
Zhob	2.1	1.0	71.8	47	16.0	3.9	3.9	3.6	8.4

\*\*\*Data not available