

## Weekly Weather and Crop Bulletin for Pakistan

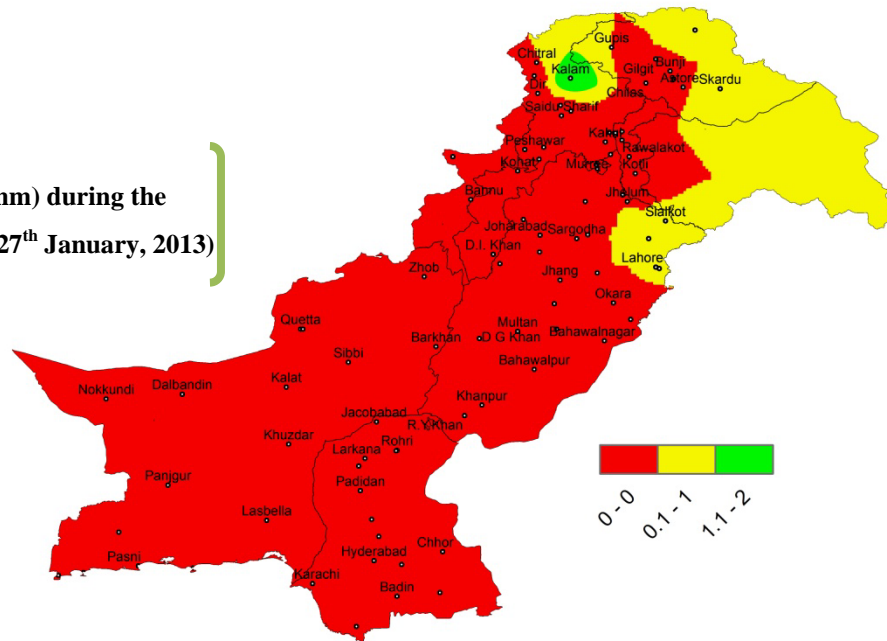
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**Rainfall distribution (mm) during the  
last week (from 21<sup>st</sup> to 27<sup>th</sup> January, 2013)**



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### Highlights of Past Weather (21<sup>st</sup> to 27<sup>th</sup> January, 2013)

Dry and cold weather observed all over the country except a few places in eastern Punjab and central Khyber Pakhtoonkhwa.

## **Punjab**

Cold and dry weather reported during the week however 0.1 mm rainfall recorded at Gujranwala. Weekly maximum temperature and minimum temperature recorded as 21.5°C & 3.7°C respectively. For the present season on average 55.0 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 0.3/1.0 Knots. During the previous week extreme minimum temperature recorded at Murree as -2.0 °C.

## **Sindh**

Cold and dry weather reported during the week. Weekly maximum temperature and minimum temperature recorded as 25.3°C & 7.4°C respectively. For the present season on average 90.8 growing degree days accumulated by the end of last week. Average relative humidity recorded as 55 % and wind speed in the morning/evening recorded as 1.2/2.8 Knots. During the previous week extreme minimum temperature recorded as 1.0°C at Jacobabad as well as Mithi.

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

Cold and dry weather reported during the week however 2.0 mm rainfall recorded at Kalam. Weekly maximum temperature and minimum temperature recorded as 14.9°C & -0.4°C respectively. For the present season on average 35.0 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 2.0/2.1 Knots. During the previous week extreme minimum temperature recorded as -11.5°C at Kalam.

## **Balochistan**

Cold and dry weather reported during the week. Weekly maximum temperature and minimum temperature recorded as 22.1°C & 4.0°C

respectively. For the present season on average 60.2 growing degree days accumulated by the end of last week. Average relative humidity recorded as 46 % and wind speed in the morning/evening recorded as 1.3/3.3 Knots. During the previous week the extreme minimum temperature recorded as -7.5°C at Kallat.

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

Cold and dry weather reported during the week. Weekly maximum temperature and minimum temperature recorded as 11.2°C & -3.9°C respectively. For the present season on average 19.4 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 1.5/2.7 Knots. During the previous week extreme minimum temperature recorded as -17.4°C at Astore.

## **Past Weather for Major Agricultural Plains** (from 21<sup>st</sup> to 27<sup>th</sup> January, 2013)

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

Cold and dry weather reported during the week however cloudiness in the morning/evening as 1.2/2.3 Oktas while average relative humidity observed as 74%. Mean night temperature recorded as 1.4°C & for the present season 39.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.8/1.4 Km/h.

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

Cold and dry weather reported during the week however cloudiness in the morning/evening as 1.1/2.6 Oktas while average relative humidity observed as 49%. Mean night temperature recorded as 3.0°C & for the present season 53.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.3 Km/h.

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

Cold and dry weather reported during the week however cloudiness in the morning/evening as 0.7/0.7 Oktas while average relative humidity observed as 58%. Mean night temperature recorded as 7.8°C & for the present season 81.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/1.7 Km/h.

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

Cold and dry weather reported during the week however cloudiness in the morning/evening as 1.1/1.3 Oktas while average relative humidity observed as 34%. Mean night temperature observed as -1.1°C & wind speed recorded in the morning/evening as 4.7/5.1 Km/h.

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

Cold and dry weather reported during the week however cloudiness in the morning/evening as 0/0.8 Oktas while average relative humidity observed as 85%. Mean night temperature recorded as 6.9°C & for the present season 68.5

growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 11.3/3.7 Km/h.

## **Past Weather for sub regional Agri-cultural Plains (from 21<sup>st</sup> to 27<sup>th</sup> January, 2013)**

### **Padidan**

Dry & cold weather observed with cloudiness recorded in the morning/evening as 0.7/0.9 Oktas and average relative humidity recorded as 64%. Mean night temperature recorded as 6.6°C & for the present season 81.0 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 1.1/1.7 Knots.

### **Multan**

Dry & cold weather observed with cloudiness recorded in the morning/evening as 1.4/1.3 Oktas and average relative humidity recorded as 60%. Mean night temperature recorded as 4.9°C & for the present season 61.2 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as Calm (no wind).

### **Lahore**

Dry & cold weather observed with cloudiness recorded in the morning/evening as 1.1/3.4 Oktas and average relative humidity recorded as 61%. Mean night temperature recorded as 5.1°C & for the present season 54.4 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 0.3/3.1 Knots.

### **Zhob**

Dry & cold weather observed with cloudiness recorded in the morning/evening as 0.6/1.3 Oktas and average relative humidity recorded as 36%. Mean night temperature recorded as -0.4°C & for the present season 42.3 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 5.0/4.2 Knots.

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

Dry & cold weather observed with cloudiness recorded in the morning/evening as 0/0.5 Oktas

and average relative humidity recorded as 61%. Mean night temperature recorded as 3.1°C & for the present season 57.0 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as Calm (no wind).

### **Peshawar**

Dry & cold weather observed with cloudiness recorded in the morning/evening as 1.9/3.3 Oktas and average relative humidity recorded as 61%. Mean night temperature recorded as 4.8°C & for the present season 51.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/1.1 Knots.

### **Murree**

Dry & cold weather observed with cloudiness recorded in the morning/evening as 1.7/2.1 Oktas and average relative humidity recorded as 51%. Mean night temperature recorded as 1.1°C & wind speed recorded in the morning/evening as 3.1/0.6 Knots.

### **Kalam**

Dry & cold weather observed with cloudiness recorded in the morning/evening as 1.3/1.9 Oktas and average relative humidity recorded as 66%. Mean night temperature recorded as -8.4°C & wind recorded in the morning/evening as Calm (no wind).

### **Gilgit.**

Dry & cold weather observed with cloudiness recorded in the morning/evening as 3.0/4.1 Oktas and average relative humidity recorded as 67%. Mean night temperature recorded as -4.8°C & wind recorded in the morning/evening as Calm (no wind).

### **Skardu**

Dry & cold weather observed with cloudiness recorded in the morning/evening as 3.1/4.4 Oktas and average relative humidity recorded as 67%. Mean night temperature recorded as -14.2°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 (Chakwal-97):** Good condition at *Tillering* 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 (85 % 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.

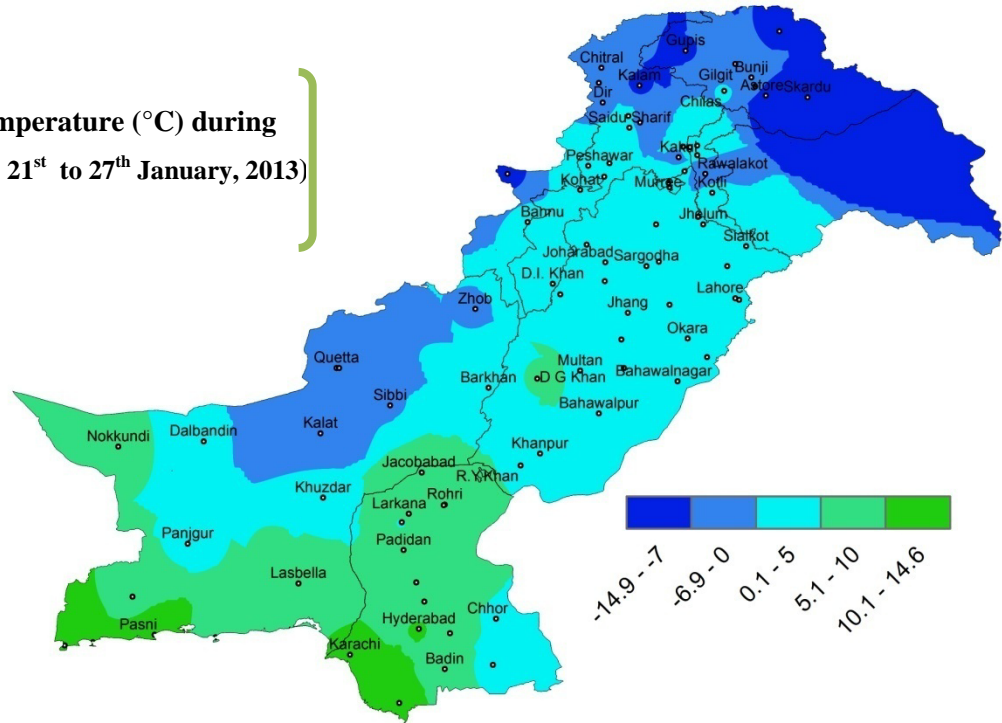
**Wheat:** Good condition at *Third leaf* stage.

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

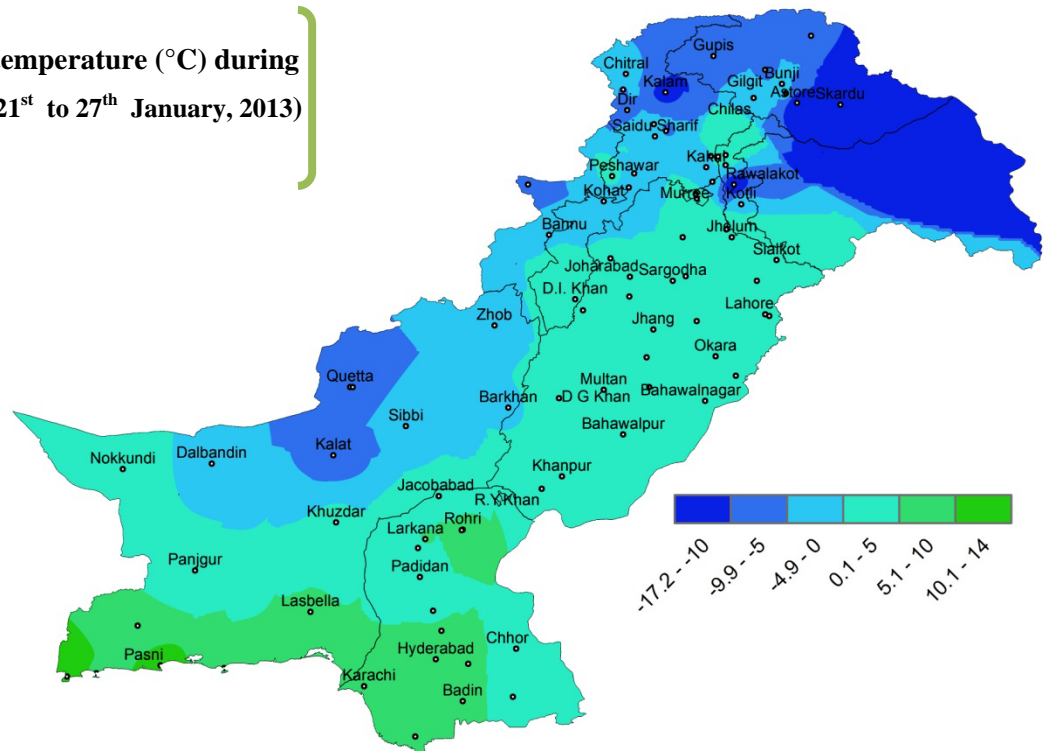
There is presently one crop (irrigated conditions) grown in the fields as detailed below.

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

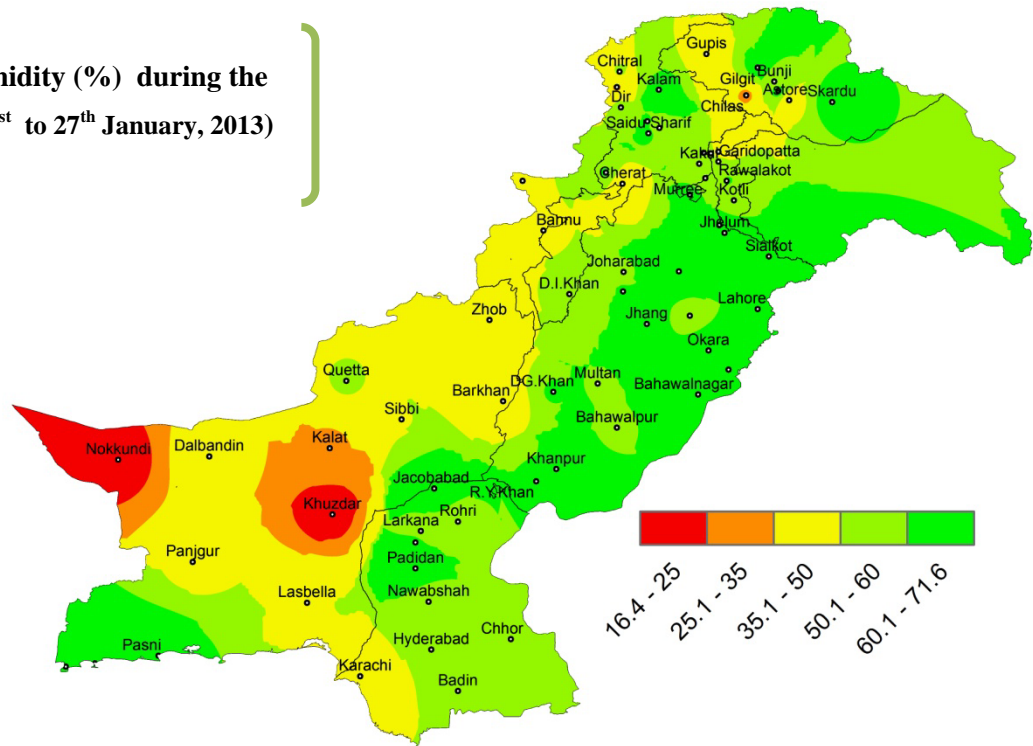
**Mean minimum temperature (°C) during  
the last week (from 21<sup>st</sup> to 27<sup>th</sup> January, 2013)**



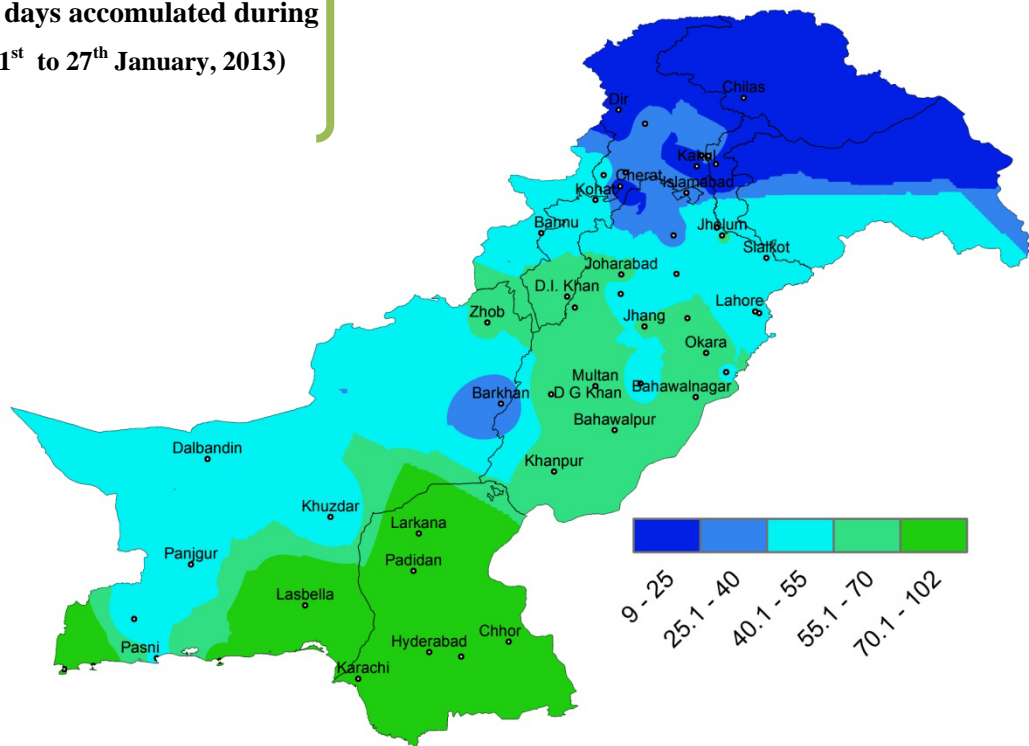
**Extreme minimum temperature (°C) during  
the last week (from 21<sup>st</sup> to 27<sup>th</sup> January, 2013)**



**Mean relative humidity (%) during the last week (from 21<sup>st</sup> to 27<sup>th</sup> January, 2013)**

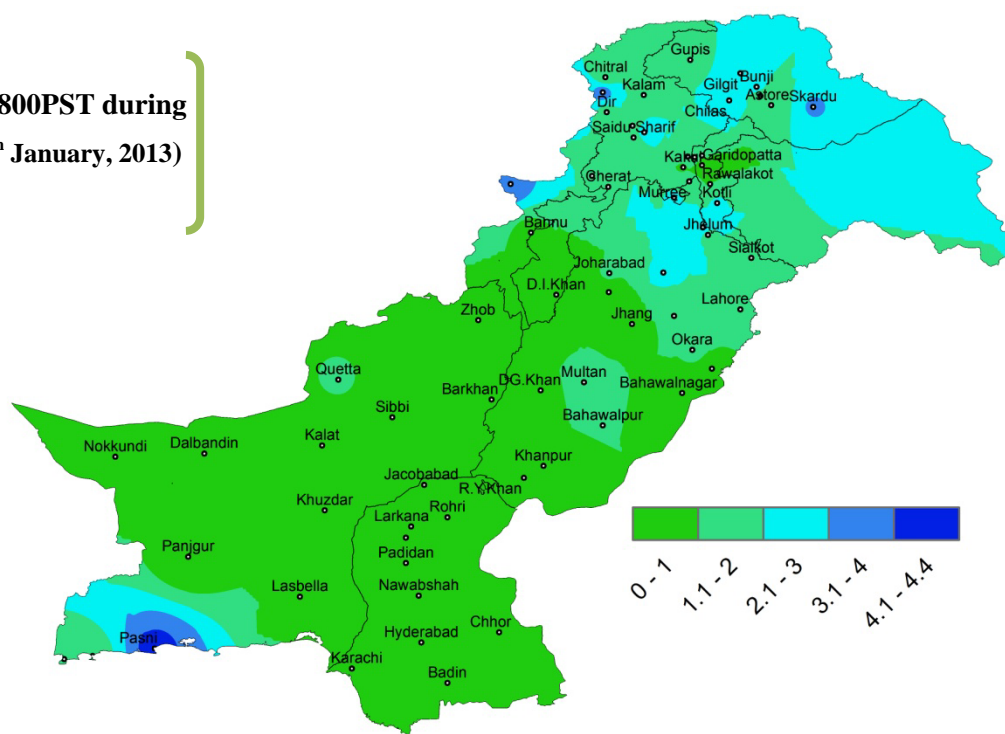


**Total growing degree days accumulated during the last week (from 21<sup>st</sup> to 27<sup>th</sup> January, 2013)**

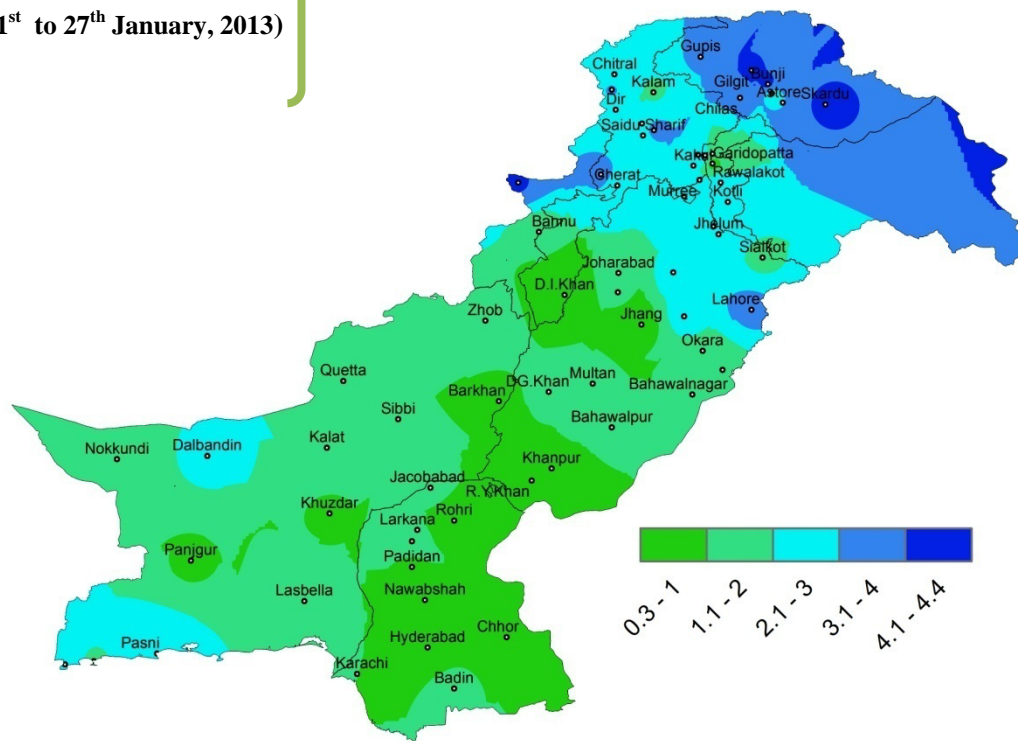




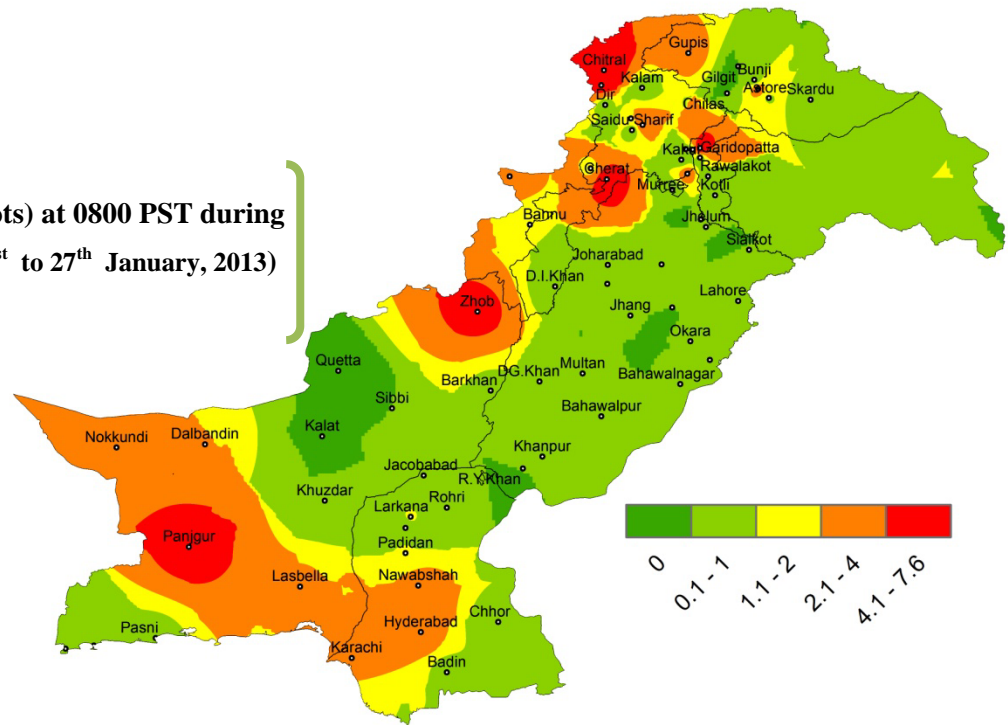
**Mean Cloudiness (Oktas) at 0800PST during  
the last week (from 21<sup>st</sup> to 27<sup>th</sup> January, 2013)**



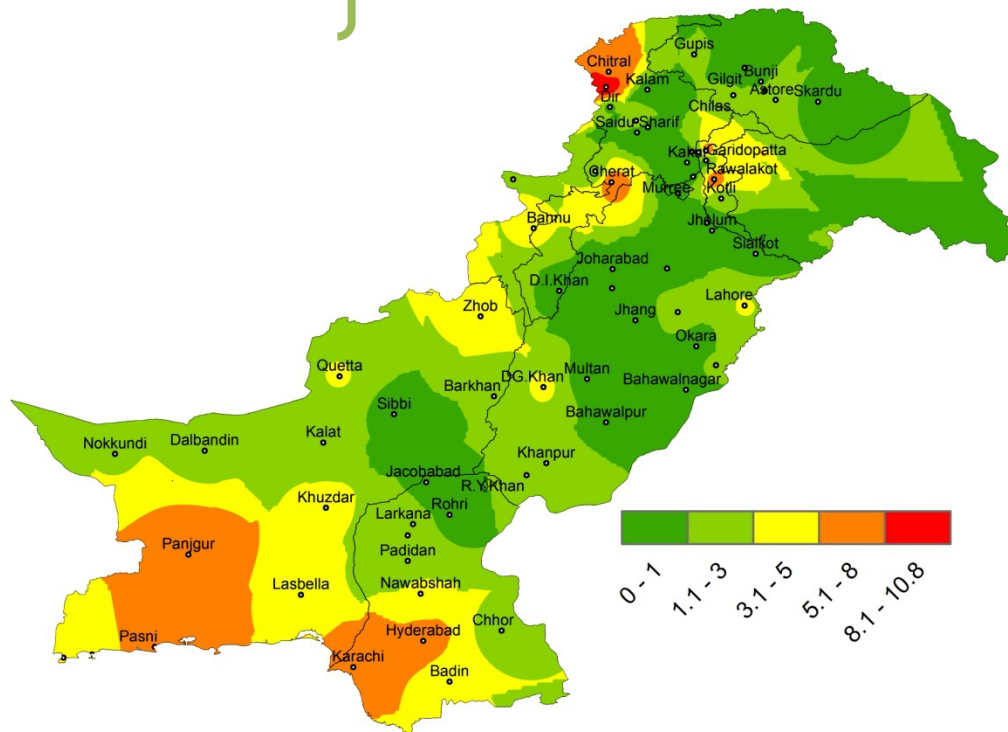
**Mean Cloudiness (Oktas) at 1700PST during  
the last week (from 21<sup>st</sup> to 27<sup>th</sup> January, 2013)**



Mean wind speed (Knots) at 0800 PST during  
the last week (from 21<sup>st</sup> to 27<sup>th</sup> January, 2013)



Mean wind speed (Knots) at 1700 PST during  
the last week (from 21<sup>st</sup> to 27<sup>th</sup> January, 2013)





## **Weekly Weather advisory for Farmers (from 28<sup>th</sup> January to 3<sup>rd</sup> February, 2013)**

A shallow trough of westerly wave is likely to approach Northwestern parts of the Country on Wednesday (Night) & likely to persist during next 24 hrs. Another westerly wave is likely to approach western parts of the country on Saturday and likely to grip upper parts of the country during next 2-3 days. Continental air would prevail during rest of week.

### **Punjab including Islamabad:**

Mainly cold & dry weather is expected in most parts of the province during the week. However, rain with snowfall over the hills is likely at isolated places of upper Punjab including Islamabad during the weekend.

### **Khyber Pakhtunkhwa:**

Mainly cold & dry weather is expected in most parts of the province during the week. However, light rain with snowfall over the hills may occur at isolated places of Malakand & Hazara divisions during Wednesday (Night)/Thursday. Rain with snowfall over the hills is expected at scattered places of KP during the weekend.

### **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 during the weekend.

### **Sindh:**

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

### **Kashmir:**

Very Cold & Dry weather is expected in most parts of Kashmir during the week. However, light rain

with snowfall over the hills may occur at few places of Kashmir during Wednesday (Night)/Thursday. Rain with snowfall over the hills is expected at scattered places of Kashmir during the weekend.

### **Gilgit-Baltistan:**

Very Cold & dry weather is expected in most parts of Gilgit-Baltistan during the week. However, light rain-snowfall is likely at few places of GB during Wednesday (Night)/Thursday. Rain with snowfall over the hills is expected at scattered places of GB during the weekend.

### **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 21<sup>st</sup> to 27<sup>th</sup> January, 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	-15.0	-17.4	***	38	0.0	1.4	3.0	0.9	1.4
Badin	9.4	8.0	***	52	0.0	0.9	1.2	0.6	3.3
Bahawalnagar	4.9	3.0	61.4	63	0.0	0.4	1.1	0.0	0.0
Bahawalpur	4.2	2.3	60.6	60	0.0	1.0	1.1	0.3	0.6
Balakot	-0.1	-0.7	22.6	57	0.0	1.1	2.6	0.4	0.4
Bannu	2.3	-0.2	52.3	46	0.0	0.6	1.1	1.1	3.4
Barkhan	1.0	-1.0	28.0	37	0.0	0.0	0.8	0.6	1.3
Bunji	-3.4	-4.0	***	51	0.0	2.7	4.4	0.0	0.0
Cherat	1.9	-4.0	9.5	37	0.0	2.0	2.6	6.0	6.7
Chhor	4.6	3.6	81.5	50	0.0	0.0	0.6	0.0	2.0
Chilas	0.6	-0.5	9.4	33	0.0	2.7	3.1	0.0	1.4
Chitral	-1.6	-3.0	***	52	0.0	1.1	2.1	7.4	7.4
D G Khan	5.5	5.0	66.4	55	0.0	0.0	0.5	0.0	0.0
D.I. Khan	3.1	2.5	57.0	45	0.0	0.9	2.3	2.0	2.0
Dalbandin	0.3	-2.0	41.3	61	0.0	0.6	1.1	0.6	3.4
Dir	-1.1	-5.5	9.3	54	0.0	1.6	2.4	0.0	0.3
Drosh	-2.8	-5.1	***	333	0.0	3.7	3.1	5.1	10.9
Faisalabad	4.0	2.5	55.5	57	0.0	1.3	2.6	0.0	1.7
Garidopatta	-0.1	-1.0	8.5	57	0.0	0.0	0.7	0.0	0.0
Gawader	10.5	9.5	87.8	66	0.0	1.4	1.8	0.0	4.0
Gilgit	-4.8	-6.3	***	67	0.0	3.0	4.1	0.0	0.0
Gupis	-7.6	-8.5	***	42	0.0	1.1	3.1	3.1	1.1

Hyderabad	10.4	9.0	99.0	52	0.0	0.0	0.7	3.1	6.3
Islamabad	0.8	0.0	39.3	65	0.0	2.1	2.6	0.0	0.6
Jacobabad	7.9	1.0	***	69	0.0	0.0	1.3	0.3	0.7
Jhang	3.0	1.5	55.2	63	0.0	0.6	0.3	0.0	0.3
Jhelum	3.7	3.3	56.0	68	0.0	1.9	2.6	0.0	0.6
Jiwani	14.6	14.0	97.2	71	0.0	1.9	2.7	0.6	4.3
Joharabad	2.5	0.5	55.7	60	0.0	1.1	1.1	0.0	0.6
Kakul	-0.7	-1.5	16.2	56	0.0	0.9	2.3	0.0	0.9
Kalam	-8.4	-11.5	***	66	2.0	1.3	1.9	0.0	0.0
KLT	-5.6	-7.5	***	31	0.0	0.0	2.0	0.0	2.0
Karachi	10.5	9.0	99.1	44	0.0	1.0	1.0	2.0	6.0
Khanpur	3.5	2.2	61.6	62	0.0	0.6	0.9	0.0	2.3
Khuzdar	3.6	1.0	42.0	19	0.0	0.0	0.8	0.0	3.7
Kotli	3.3	-1.0	***	55	0.0	2.1	3.0	0.9	1.7
Lahore	5.1	4.2	54.4	61	0.0	1.1	3.4	0.3	3.1
Larkana	7.6	5.5	82.5	56	0.0	0.4	1.0	1.1	1.4
Lasbella	7.3	5.5	100.8	50	0.0	0.9	1.4	2.3	3.4
Lower Dir	0.8	-5.1	30.0	60	0.0	1.4	2.0	2.0	2.6
M.B.din	4.3	3.3	53.8	67	0.0	2.3	2.4	0.9	0.6
Malam Jabba	-2.6	-6.0	***	58	0.0	2.7	3.6	3.4	0.6
Mangla	3.2	2.5	52.5	61	0.0	2.3	2.9	0.0	0.0
Mir Khani	-1.9	-2.3	102.0	66	0.0	1.0	2.4	3.0	3.0
Moen-Jo-Daro	4.6	3.0	***	62	0.0	0.0	1.3	0.3	1.7
Multan	4.9	3.7	61.2	60	0.0	1.4	1.3	0.0	0.0
Murree	1.1	-2.0	***	51	0.0	1.7	2.1	3.1	0.6
Muzaffarabad	2.5	2.0	40.2	58	0.0	2.1	2.9	0.0	0.6
Nawabshah	6.1	4.0	***	56	0.0	0.9	0.7	2.9	3.7
Nokkundi	7.6	3.0	***	16	0.0	1.0	1.1	2.6	2.9
Noorpur Thal	2.9	1.5	53.3	60	0.0	0.4	1.1	0.3	0.0

Okara	4.6	2.1	59.9	65	0.0	1.1	1.7	0.0	0.3
Padidan	6.6	5.0	81.0	64	0.0	0.7	0.9	1.1	1.7
Panjgor	3.6	1.0	***	46	0.0	0.0	0.8	5.3	8.0
Parachinar	-9.5	-10.0	48.8	47	0.0	3.9	4.1	3.0	3.0
Pasni	13.1	12.5	54.3	69	0.0	4.4	3.0	0.6	6.7
Pattan	5.6	4.0	***	35	0.0	1.1	0.9	8.0	7.4
Peshawar	4.8	2.0	51.9	61	0.0	1.9	3.3	1.4	1.1
Quetta	-3.0	-6.0	***	51	0.0	1.1	1.4	0.0	3.1
R.Y.Khan	5.0	3.0	***	62	0.0	0.6	0.7	0.0	1.0
Rawalakot	-5.6	-15.7	***	61	0.0	1.0	2.9	0.0	6.6
Rohri	8.0	6.0	***	56	0.0	1.0	0.4	0.0	0.6
Sahiwal	3.8	3.3	54.1	62	0.0	0.9	1.3	0.3	1.4
Saidu Sharif	1.7	0.5	***	61	0.0	1.1	2.4	0.0	0.0
Sialkot	3.4	2.0	45.6	72	0.0	1.3	1.7	0.0	0.0
Sibbi	-0.3	-3.5	***	50	0.0	0.0	1.0	0.0	0.0
Skardu	-14.2	-16.7	***	67	1.0	3.1	4.4	0.0	0.0
Zhob	-0.4	-2.5	56.3	36	0.0	0.6	1.3	5.0	4.2

\*\*\* Data not available