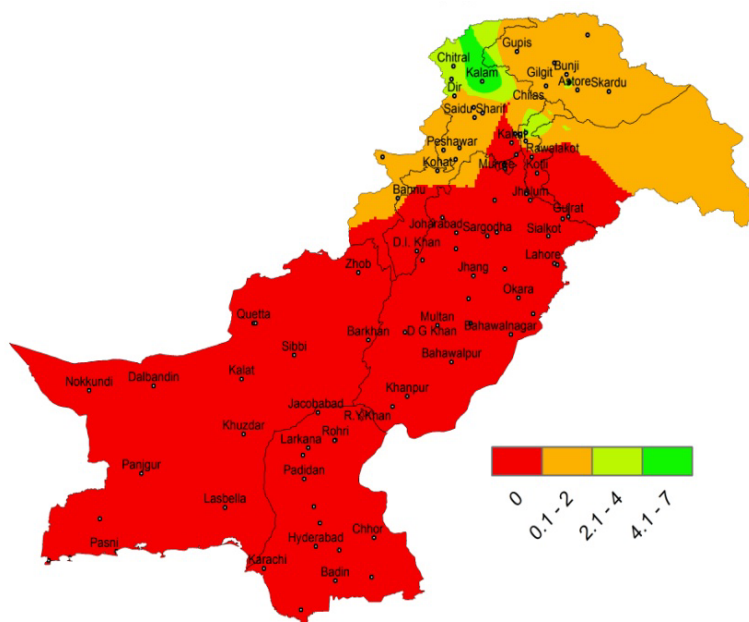


# Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall distribution (mm) during the  
Previous week (from 2<sup>nd</sup> to 8<sup>th</sup> December, 2013)**

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## Highlights of Past Weather (from 2<sup>nd</sup> to 8<sup>th</sup> December, 2013)

Mainly dry weather reported from most parts of the country during the week. Province wise distribution of rainfall reported as follows:

- No rainfall reported from Punjab.
- Light rainfall reported at number of places in Khyber Pakhtunkhwa.
- Light rainfall reported at number of places in Gilgit Baltistan & Kashmir regions.
- No rainfall reported from Balochistan.
- No rainfall reported from Sindh.

**Patron -in-Chief: Arif Mahmood (Director General)**  
**Chief Editor: Dr. Khalid Mehmood Malik (Director)**  
**Editor: Ali Man Shah (Meteorological Assistant)**

**Past Weather of Provinces (from 2<sup>nd</sup> to 8<sup>th</sup> December, 2013):****Punjab:**

No rainfall reported from Punjab Province. Weekly maximum and minimum temperatures recorded as 24.9°C & 8.8°C respectively. For the present season average 82.4 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 0.7/0.6 Knots. Lowest minimum temperature recorded as 3.0°C at Murree.

**Sindh:**

No rainfall reported from Sindh Province. Weekly maximum and minimum temperatures recorded as 28.7°C & 12.7°C respectively. For the present season average 109.4 growing degree days accumulated by the end of last week. Average relative humidity recorded as 60% and wind speed in the morning/evening recorded as 1.0/2.5 Knots. Lowest minimum temperature recorded as 7.5°C at Moin-Jo-Daro.

**Khyber Pakhtunkhwa:**

Light rainfall reported at number of places in Khyber Pakhtunkhwa Province. Weekly maximum and minimum temperatures recorded as 18.5°C & 4.6°C respectively. For the present season average 49.2 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 0.5/1.2 Knots. During the previous week highest amount of rainfall reported at Kalam as 7.0mm and lowest minimum temperature recorded as -4.2°C at Parachinar.

**Balochistan:**

No rainfall reported from Balochistan Province. Weekly maximum and minimum temperatures recorded as 24.5°C & 8.1°C respectively. For the present season average 92.8 growing degree days accumulated by the end of last week. Average relative humidity recorded as 45% and wind speed in the morning/evening recorded as 1.0/3.7 Knots. Lowest minimum temperature recorded as -6.0°C at Kalat.

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

Light rainfall reported at number of places in Gilgit Baltistan & Kashmir regions. Weekly maximum and minimum temperatures recorded as 15.9°C & 2.0°C respectively. For the present season average 47.0 growing degree days accumulated by the end of last week. Average relative humidity recorded as 58% and wind speed in the morning/evening recorded as 0.4/0.3 Knots. During the previous week highest amount of rainfall reported at Pattan as 5.0mm and lowest minimum temperature recorded as -8.6°C at Skardu.

### **Past Weather for Major Agricultural- Plains (from 2<sup>nd</sup> to 8<sup>th</sup> December, 2013)**

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

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 2.0/0.6 Oktas while, average relative humidity observed as 71%. Mean night time temperature recorded as 5.5°C & for the present season 63.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/0.7 Knots.

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

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 1.9/0.0 Oktas while, average relative humidity observed as 63%. Mean night time temperature recorded as 9.4°C & for the present season 89.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.8/0.2 Knots.

#### **Tandojam (Lower Singh)**

No rainfall and cloudiness reported during the week; while, average relative humidity observed as 62%. Mean night time temperature recorded as 12.9°C & for the present season 112.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/0.6 Knots.

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

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 1.1/2.1 Oktas while, average relative humidity observed as 39%. Mean night time temperature recorded as 2.1°C & for the present season 32.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.1/2.6 Knots.

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

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 0.0/0.8 Oktas while, average relative humidity observed as 75%. Mean night time temperature recorded as 11.6°C & for the present season 102.5 growing degree days accumulated by the end of last week. Wind remained calm in the morning/evening.

### **Past Weather for Sub Regional Agricultural- Plains (from 2<sup>nd</sup> to 8<sup>th</sup> December, 2013)**

#### **Rohri**

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 0.0/0.3 Oktas while, average relative humidity observed as 59%. Mean night time temperature recorded as 13.0°C & for the present season 105.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/2.0 Knots.

#### **Multan**

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 0.6/0.4 Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded as 10.4°C & for the present season 90.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.6 Knots.

#### **Lahore**

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 2.1/0.9 Oktas while, average relative humidity observed as 70%. Mean night time temperature recorded as 9.4°C & for the present season 83.7 growing degree days accumulated by the end of last week. Wind remained calm in the morning/evening.

**Zhob**

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 0.0/0.6 Oktas while, average relative humidity observed as 41%. Mean night time temperature recorded as 4.0°C & for the present season 48.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/5.0 Knots.

**D.I. Khan**

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 1.3/0.6 Oktas while, average relative humidity observed as 66%. Mean night time temperature recorded as 8.9°C & for the present season 85.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

**Peshawar**

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded as 4.0/3.6 Oktas while, average relative humidity observed as 74%. Mean night time temperature recorded as 9.0°C & for the present season 75.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.6 Knots.

**Murree**

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 2.9/2.3 Oktas while, average relative humidity observed as 43%. Mean night time temperature recorded as 4.1°C & for the present season 33.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.6/0.9 Knots.

**Kalam**

Rainfall reported as 7.0mm during the week; however cloudiness in the morning/evening recorded as 5.4/5.3 Oktas while, average relative humidity observed as 62%. Mean night time temperature recorded as 0.6°C & for the present season 10.8 growing degree days accumulated by the end of last week. Wind remained calm in the morning/evening.

**Gilgit**

No rainfall reported during the week; however cloudiness in the morning/evening recorded as 6.4/6.4 Oktas while, average relative humidity observed as 70%. Mean night time temperature recorded as 0.1°C & for the present season 17.0 growing degree days accumulated by the end of last week. Wind remained calm in the morning/evening.

**Skardu**

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded as 5.7/4.9 Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded as -5.7°C. Wind remained calm in the morning/evening.

**Crop Situation for Major Agricultural Plains**  
**(Based on data from Regional Agromet Centres)**

**Potohar Region (Rawalpindi)**

There is presently no crop in the fields of RAMC Rawalpindi.

**Central Punjab (Faisalabad)**

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

**wheat:** Very Good condition, *third leaf* stage.

**Lower Sindh (Tandojam)**

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

**wheat (PD-1):** Good condition at *Emergence* stage.

**Northern Balochistan (Quetta)**

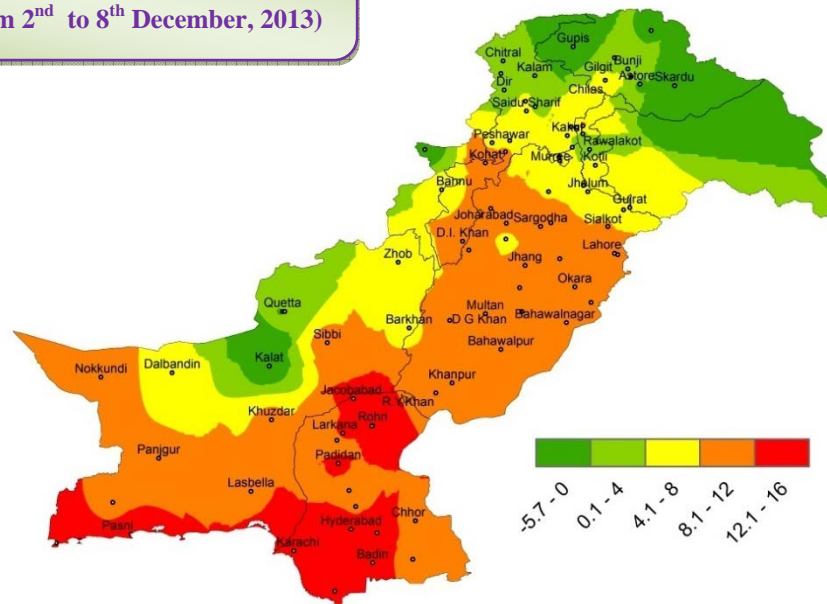
There is presently no crop in the fields.

**Eastern Balochistan (Usta Muhammad)**

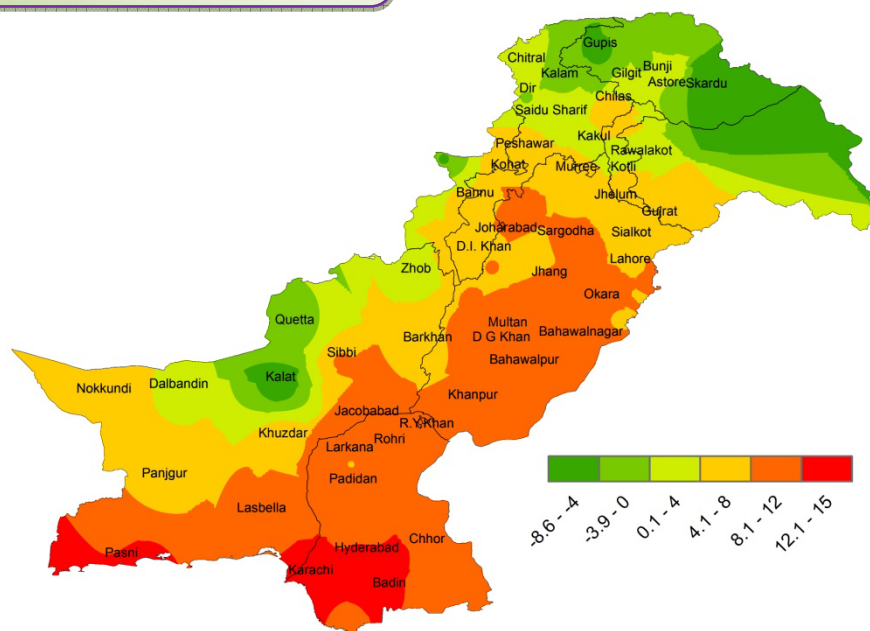
There is only one crop (irrigated conditions) grown in the fields as detailed below.

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

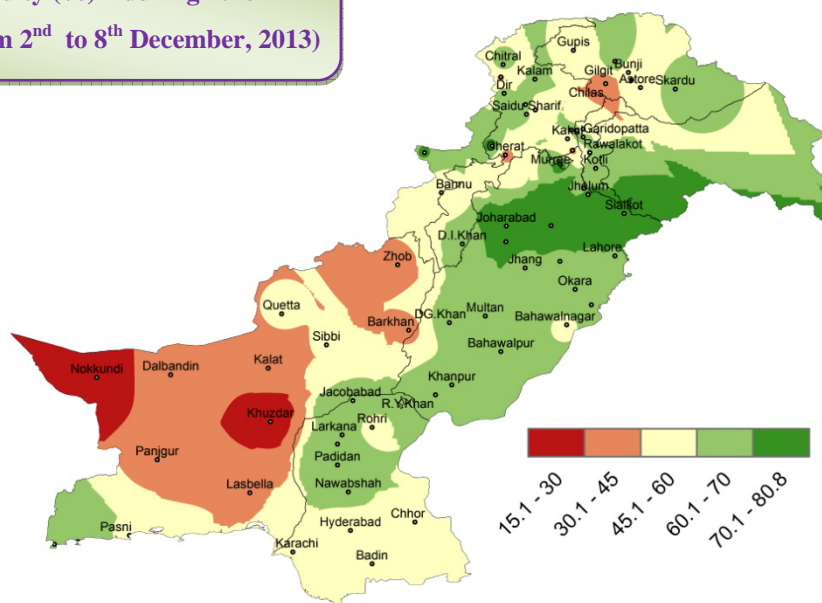
**Mean minimum temperature (°C) during the  
Previous week (from 2<sup>nd</sup> to 8<sup>th</sup> December, 2013)**



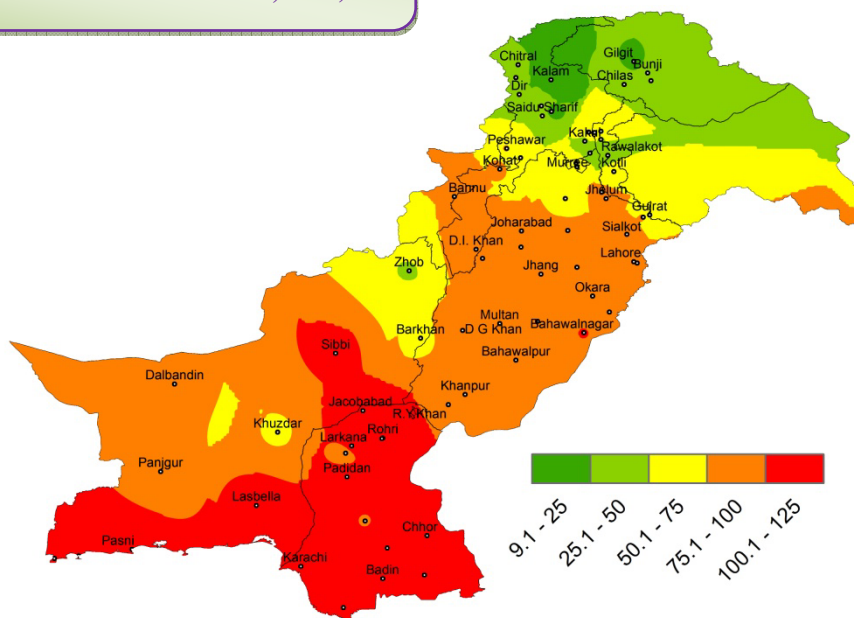
**Lowest minimum temperature (°C) during the  
Previous week (from 2<sup>nd</sup> to 8<sup>th</sup> December, 2013)**



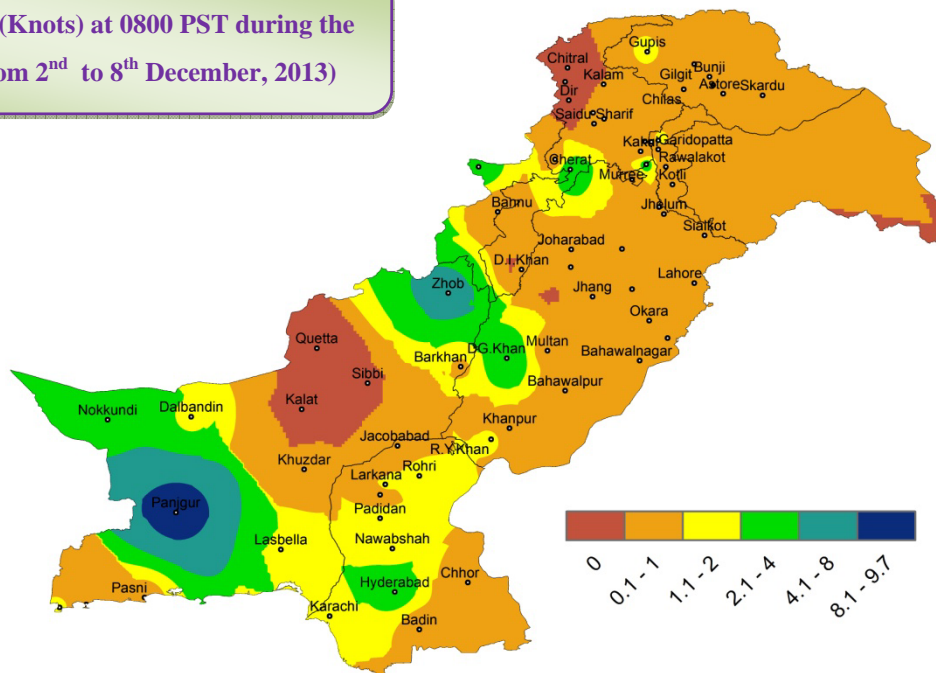
Mean relative humidity (%) during the  
Previous week (from 2<sup>nd</sup> to 8<sup>th</sup> December, 2013)



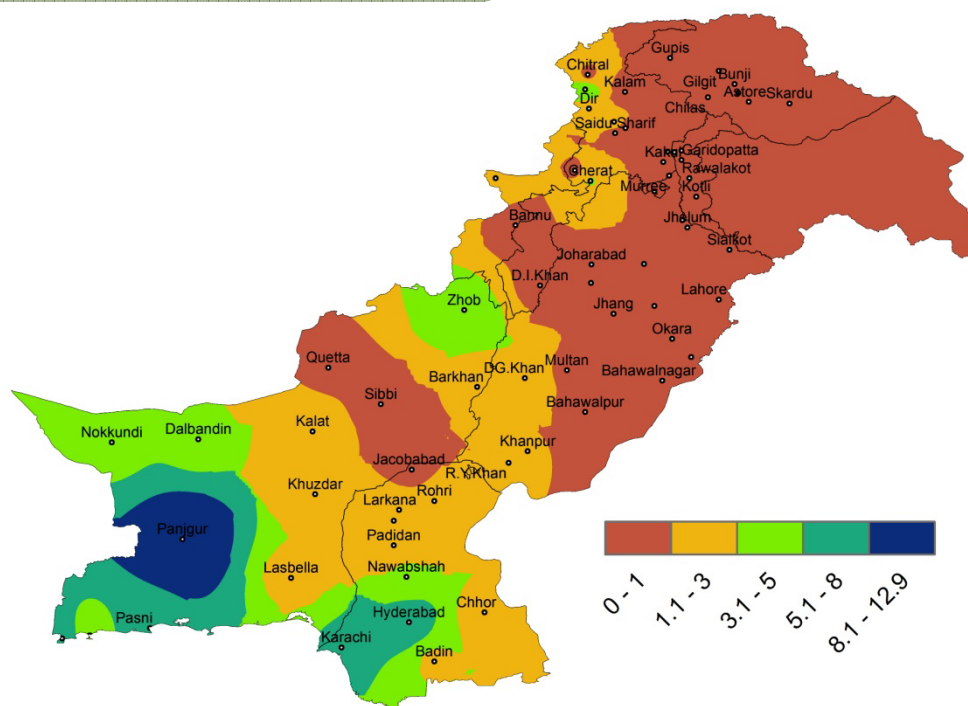
Total growing degree days accumulated during the  
Previous week (from 2<sup>nd</sup> to 8<sup>th</sup> December, 2013)



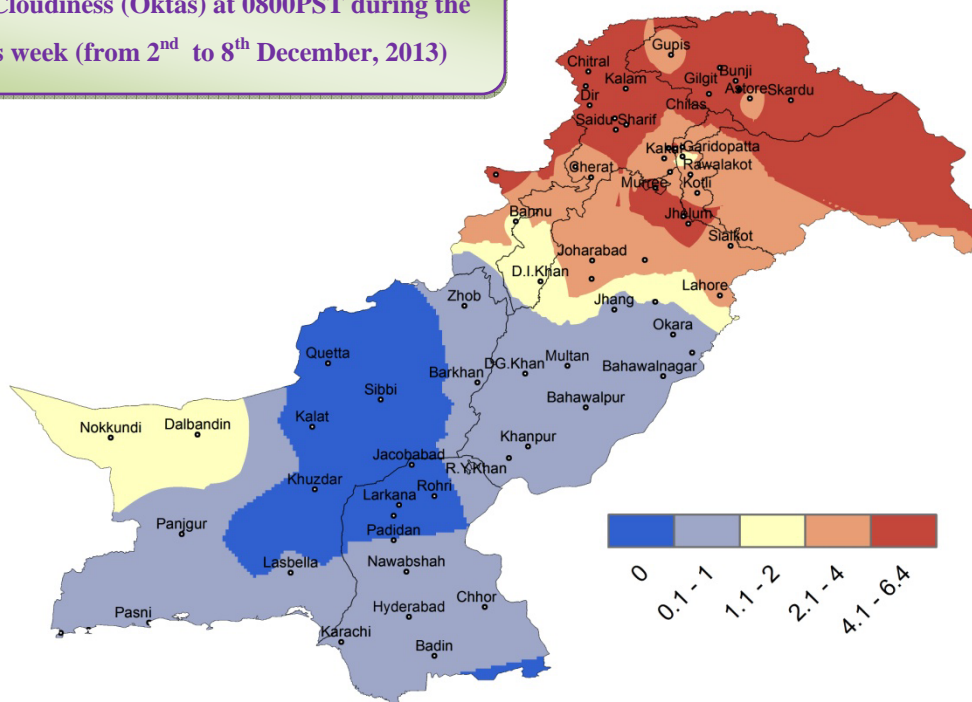
Mean wind speed (Knots) at 0800 PST during the  
Previous week (from 2<sup>nd</sup> to 8<sup>th</sup> December, 2013)



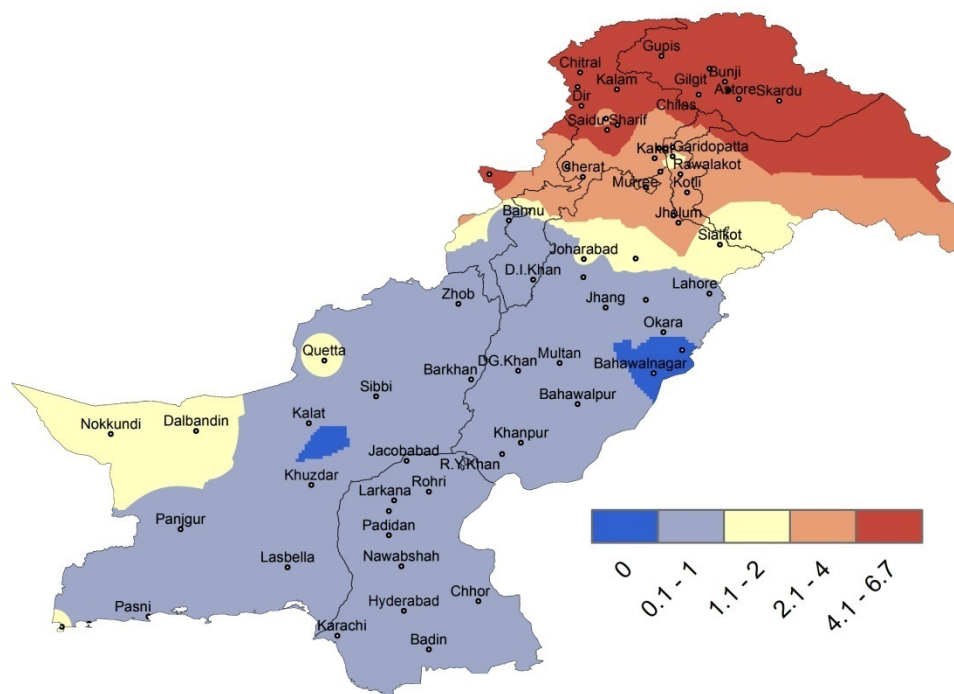
Mean wind speed (Knots) at 1700 PST during the  
Previous week (from 2<sup>nd</sup> to 8<sup>th</sup> December, 2013)



Mean Cloudiness (Oktas) at 0800PST during the  
Previous week (from 2<sup>nd</sup> to 8<sup>th</sup> December, 2013)



Mean Cloudiness (Oktas) at 1700PST during the  
Previous week (from 2<sup>nd</sup> to 8<sup>th</sup> December, 2013)



expected in most parts of GB during the second half of the week

### **Weekly Weather advisory for Farmers** **(From 9<sup>th</sup> to 15<sup>th</sup> Dec, 2013)**

Continental air would prevail over most parts of the country during the current week. However a shallow westerly wave is prevailing over northern parts of the country and likely to persist during next 2 to 3 days.

#### **Punjab including Islamabad:**

Cold and dry weather is expected in most parts of the province during the week. Misty/foggy conditions are expected to prevail over plain areas of Northeast Punjab (Gujranwala, Lahore and Faisalabad divisions) during morning hours from Tuesday to Friday. Light rain is also expected at isolated places in Islamabad/Rawalpindi division on Wednesday.

#### **Khyber Pakhtunkhwa:**

Cold and dry weather (very cold in uppers parts) is expected in most parts of the province during the week. However, rain (with light snow over the hills) is expected at isolated places of Malakand and Hazara divisions on Tuesday/Wednesday.

#### **Balochistan:**

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

#### **Sindh:**

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

#### **Gilgit-Baltistan:**

Light rain (with light snow over the hills) is expected at isolated places in GB during the first half of the week. However, very cold and dry weather with partly cloudy conditions are

#### **Kashmir:**

Partly cloudy conditions with chances of light rain are expected at isolated places of Kashmir on Tuesday/Wednesday. While very cold and dry weather would prevail during the week.

#### **Advises for Crops**

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

***Wheat:*** Farmers of cotton crop areas are advised to prepare their fields for incoming Rabi crops and complete sowing process before 15<sup>th</sup> December. After this time the yield of wheat crop decreases gradually. Farmers of wheat growing areas are advised to sow their crops in time to get the optimum yield.

***Vegetables:*** Farmers are advised to cultivate winter vegetables in time so that present soil moisture may fully be utilized.

***General Information:*** Farmers of rained 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.

**National Weather Data of Selected Cities**  
**(Weekly Data from 2<sup>nd</sup> to 8<sup>th</sup> Dec, 2013)**

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	-1.4	-2.7	***	49	0.1	3.4	4.4	0.3	0.6
Badin	14.9	13.0	120.5	56	0.0	0.0	0.3	0.3	2.6
Bahawalnagar	11.4	10.5	100.4	58	0.0	0.6	0.0	0.3	0.6
Bahawalpur	10.9	10.5	98.0	67	0.0	0.4	0.3	0.0	0.0
Balakot	5.1	2.9	52.5	60	0.0	3.7	2.9	0.3	0.0
Bannu	6.7	5.0	75.9	49	0.0	1.9	0.3	0.0	0.0
Barkhan	7.1	6.0	68.5	42	0.0	0.0	0.4	0.9	1.7
Bunji	3.9	2.8	33.2	52	0.1	6.1	6.7	0.6	0.0
Cherat	8.8	8.0	55.3	41	0.0	3.6	3.3	3.1	3.1
Chhor	10.6	9.5	110.9	58	0.0	0.0	0.3	0.0	1.9
Chilas	5.3	4.0	45.3	34	0.1	5.7	5.3	0.0	0.0
Chitral	1.2	0.3	26.3	66	4.0	4.3	5.4	0.0	0.3
DG.Khan	11.6	10.9	98.6	68	0.0	0.1	0.0	3.4	2.9
D.I.Khan	8.9	6.0	85.6	66	0.0	1.3	0.6	0.0	0.3
Dalbandin	5.8	3.0	76.0	43	0.0	2.0	1.6	1.7	3.4
Dir	0.9	-0.3	25.3	64	2.0	5.0	4.7	0.0	1.7
Drosh	2.1	1.2	28.7	43	2.0	5.7	5.7	0.0	5.1
Faisalabad	9.4	8.0	89.7	63	0.0	1.9	0.0	0.8	0.2
Garidopatta	2.2	1.0	44.8	67	0.0	0.6	0.6	0.0	0.0
Gawader	14.8	13.5	125.5	67	0.0	0.0	0.6	0.0	4.3
Gilgit	0.1	-1.5	17.0	70	0.0	6.4	6.4	0.0	0.0

Gupis	-3.5	-5.0	***	57	0.0	3.4	5.7	1.1	0.9
Hyderabad	15.8	14.0	***	55	0.0	0.3	0.6	2.6	6.9
Islamabad	5.6	4.0	61.9	74	0.0	4.6	2.9	0.3	0.0
Jacobabad	12.2	11.0	105.3	64	0.0	0.0	0.1	0.0	0.0
Jhang	8.4	8.2	86.8	68	0.0	0.6	0.0	0.0	0.0
Jhelum	7.6	6.5	77.6	75	0.0	4.3	2.0	0.3	0.9
Jiwani	16.0	15.0	120.5	61	0.0	0.7	1.1	1.1	5.7
Joharabad	8.8	8.0	83.2	74	0.0	3.0	1.1	0.3	0.0
Kakul	4.1	2.7	47.8	54	0.0	2.6	2.6	0.0	0.6
Kalam	0.6	-1.5	10.8	62	7.0	5.4	5.3	0.0	0.0
Kalat	-3.0	-6.0	***	35	0.0	0.0	0.0	0.0	2.8
Karachi	15.0	13.5	124.4	51	0.0	0.3	0.9	1.7	5.4
Khanpur	9.8	9.0	93.8	70	0.0	0.6	0.9	0.3	1.1
Khuzdar	9.1	7.5	72.3	21	0.0	0.0	0.0	0.0	2.3
Kotli	6.5	5.8	70.3	66	0.0	3.7	2.4	0.3	0.6
Lahore	9.4	8.5	83.7	70	0.0	2.1	0.9	0.0	0.0
Larkana	13.1	11.5	107.0	64	0.0	0.0	0.3	1.1	2.3
Lasbella	11.5	9.5	114.3	44	0.0	0.0	0.6	2.0	2.0
Lower Dir	4.1	3.0	49.0	65	0.0	4.7	3.7	0.0	2.3
Malam Jabba	2.9	2.0	8.2	53	0.0	4.7	4.3	0.6	0.4
Mandibahudin	9.3	8.5	77.4	81	0.0	2.4	1.3	0.9	0.3
Mangla	6.9	6.1	75.3	66	0.0	4.3	2.6	0.0	0.0
Mir Khani	4.4	2.6	43.2	54	3.1	4.1	4.7	0.0	0.4
Moinjodaro	9.5	7.5	93.5	60	0.0	0.0	0.3	0.6	1.4
Multan	10.4	9.3	90.4	67	0.0	0.6	0.4	0.6	0.6

Murree	4.1	3.0	33.2	43	0.0	2.9	2.3	2.6	0.9
Muzaffarabad	6.4	5.4	58.9	68	0.0	4.7	4.6	0.0	0.0
Nokkundi	10.9	6.7	***	15	0.0	1.8	1.4	3.3	3.7
Noorpurthal	7.6	7.0	88.5	72	0.0	2.1	0.4	0.0	0.6
Okara	10.6	9.5	96.0	68	0.0	0.4	0.0	0.3	0.3
Padidan	12.8	11.5	106.0	65	0.0	0.0	0.3	1.4	2.3
Panjgur	8.4	6.0	76.0	37	0.0	0.0	0.6	9.7	12.9
Parachinar	-4.1	-4.2	***	70	2.0	5.0	5.3	3.0	3.0
Pasni	15.8	15.0	121.8	58	0.0	0.4	0.3	0.6	6.0
Pattan	9.0	6.0	73.3	46	5.0	2.9	3.6	1.7	0.3
Peshawar	7.8	6.0	75.7	74	0.1	4.0	3.6	0.3	0.6
Quetta	2.1	-0.5	32.4	39	0.0	1.1	2.1	2.1	2.6
R.Y.Khan	10.6	9.2	99.1	68	0.0	0.7	0.6	1.1	1.1
Rawalakot	1.5	0.0	33.4	61	0.0	3.4	2.9	0.0	0.9
Rohri	13.0	10.5	105.3	59	0.0	0.0	0.3	1.4	2.0
Rawalpindi	5.5	4.5	63.7	71	0.0	2.0	0.6	0.5	0.7
Sahiwal	8.6	7.5	86.5	66	0.0	0.4	0.0	0.9	0.6
Saidu Sharif	6.0	4.0	52.6	61	1.0	4.4	4.1	0.0	0.3
Sialkot	8.1	5.6	71.5	77	0.0	2.7	1.6	0.0	0.0
Sibbi	10.3	8.5	104.3	46	0.0	0.0	0.0	0.0	0.0
Skardu	-5.7	-8.6	***	67	0.1	5.7	4.9	0.0	0.0
Tandojam	12.9	11.0	112.0	62	0.0	0.0	0.0	0.5	0.6
U.Muhammad	11.6	10.0	102.5	75	0.0	0.0	0.8	0.0	0.0
Zhob	4.0	2.5	48.8	41	0.0	0.0	0.6	5.0	5.0

\*\*\* Shows that data was not available.