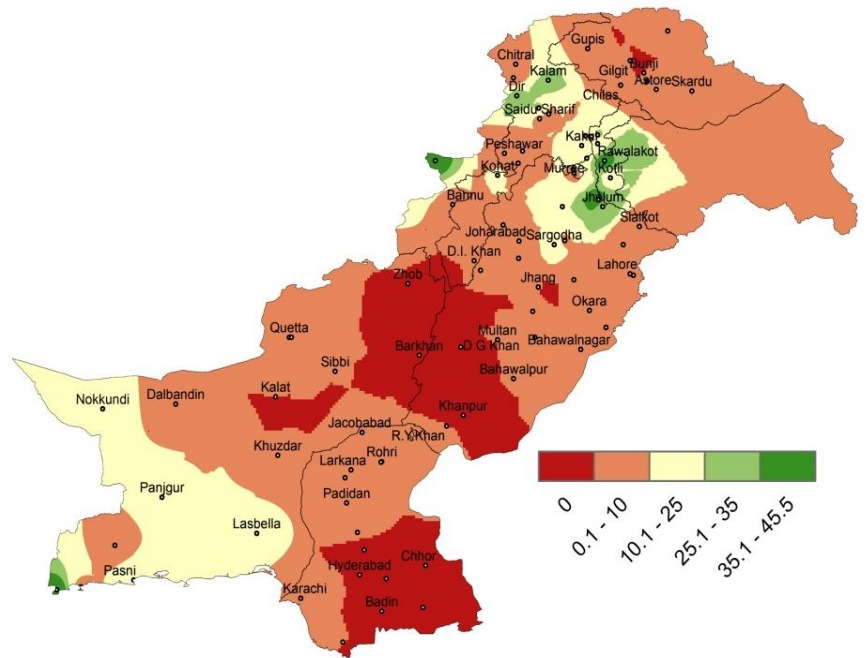


# Weekly Weather and Crop Bulletin for Pakistan

**NATIONAL AGROMET CENTRE  
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**Rainfall distribution (mm) during the  
Last week (from 1<sup>st</sup> to 7<sup>th</sup> April, 2013)**



## Highlights of Past Weather (1<sup>st</sup> to 7<sup>th</sup> April, 2013)

Light to moderate rainfall occurred in most of the agricultural plains of the country during the week except Sindh province where light rainfall occurred at few places.

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**Patron-in-Chief: Arif Mahmood (Director General)**  
**Chief Editor: Dr. Khalid Mehmood Malik (Director)**  
**Editor: Dildar Hussain Kazmi (Meteorologist)**

**Punjab**

Light to moderate rainfall reported from most of the agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 31.5 °C & 15.8°C respectively. For the present season on average 130.2 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 1.7/3.5 Knots. During the previous week highest amount of rainfall reported at Mangla as 43.0 mm and extreme minimum temperature recorded at Murree as 5.0 °C.

**Sindh**

Light rainfall reported from few places during the week. Weekly maximum temperature and minimum temperature recorded as 36.7°C & 20.0°C respectively. For the present season on average 164.1 growing degree days accumulated by the end of last week. Average relative humidity recorded as 49% and wind speed in the morning/evening recorded as 2.8/5.8 Knots. During the previous week highest amount of rainfall reported at Larkana as 2.0 mm and extreme minimum temperature recorded as 15.0°C at Mirpur khas & Moinjo-daro.

**Khyber Pakhtoon Khawa**

Light to moderate rainfall reported from most of the agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 22.7°C & 9.4°C respectively. For the present season on average 72.1 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 1.2/2.6 Knots. During the previous week the highest rainfall recorded at Lower Dir as 65.0

mm and extreme minimum temperature recorded as 0.0°C at Parachinar.

**Balochistan**

Light to moderate rainfall reported from most of the agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 29.5°C & 10.6°C respectively. For the present season on average 132.3 growing degree days accumulated by the end of last week. Average relative humidity recorded as 40% and wind speed in the morning/evening recorded as 1.8/4.7 Knots. During the previous week highest amount of rainfall reported at Jiwani as 45.0 mm and extreme minimum temperature recorded as 2.5°C at Kalat.

**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 21.8°C & 8.4°C respectively. For the present season on average 70.9 growing degree days accumulated by the end of last week. Average relative humidity recorded as 47 % and wind speed in the morning/evening recorded as 1.1/4.0 Knots. During the previous week the highest rainfall recorded at Rawalakot as 46.0 mm and extreme minimum temperature recorded as 1.0°C at Astore.

## Past Weather for Major Agricultural Plains

(from 1<sup>st</sup> to 7<sup>th</sup> April, 2013)

### Rawalpindi (Potohar region)

Rainfall reported as 20.6 mm during the week however cloudiness in the morning/evening as 1.2/3.4 Oktas while average relative humidity observed as 54 %. Mean night temperature recorded as 13.9°C & for the present season 113.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.2/2.5 Km/h.

### Faisalabad (Central Punjab)

No rainfall reported during during the week however cloudiness in the morning/evening as 1.4/4.0 Oktas while average relative humidity observed as 41%. Mean night temperature recorded as 17.1 °C & for the present season 142.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/3.3 Km/h.

### Tandojam (Lower Sindh)

No rainfall reported during the week, however cloudiness in the morning/evening as 0.0/0.0 Oktas while average relative humidity observed as 44%. Mean night temperature recorded as 10.0°C & for the present season 159.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.3/5.4 Km/h.

### Quetta (Northern Balochistan)

Rainfall reported as 1.0 mm during the week however cloudiness in the morning/evening as 1.1/4.0 Oktas while average relative humidity observed as 34%. Mean night temperature observed as 7.0°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 2.1/7.0 Km/h.

### Usta Muhammad (Eastern Balochistan)

No rainfall reported during the week, however cloudiness in the morning/evening as 1.0/1.4 Oktas

while average relative humidity observed as 49%. Mean night temperature recorded as 18.0°C & for the present season 143.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.2/4.2 Km/h.

## Past Weather for sub regional Agri-cultural Plains (from 1<sup>st</sup> to 7<sup>th</sup> April, 2013)

### Rohri

Rainfall reported as 0.2 mm during the week however cloudiness in the morning/evening as 1.3/2.0 Oktas while average relative humidity observed as 43 %. Mean night temperature recorded as 22.7°C & for the present season 171.0 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 5.0/3.1 Knots.

### Multan

No rainfall reported during the week however cloudiness in the morning/evening as 0.4/2.5 Oktas while average relative humidity observed as 47%. Mean night temperature recorded as 18.5°C & for the present season 122.8 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 0.0/3.3 Knots.

### Lahore

Rainfall reported as 0.1 mm during the week however cloudiness in the morning/evening as 2.1/1.3 Oktas while average relative humidity observed as 41%. Mean night temperature recorded as 17.7°C & for the present season 138.2 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 2.6/5.3 Knots.

### Zhob

No rainfall reported during the week however cloudiness in the morning/evening as 1.3/3.4 Oktas while average relative humidity observed as 31%. Mean night temperature recorded as 11.4°C & for the present season 141.0 growing degree days

accumulated by the end of last week. Wind recorded in the morning/evening as 5.0/8.3 Knots.

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

No rainfall reported during the week however cloudiness in the morning/evening as 0.9/3.0 Oktas while average relative humidity observed as 55%. Mean night temperature recorded as 16.1°C & for the present season 77.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/1.1 Knots.

### **Peshawar**

Rainfall reported as 1.2 mm during the week however cloudiness in the morning/evening as 1.7/4.9 Oktas while average relative humidity observed as 57%. Mean night temperature recorded as 14.7°C & for the present season 98.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.3/3.1 Knots.

### **Murree**

Rainfall reported as 22.0 mm during the week however cloudiness in the morning/evening as 2.6/5.1 Oktas while average relative humidity observed as 53%. Mean night temperature recorded as 7.7°C & for the present season 50.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.1/2.6 Knots.

### **Kalam**

Rainfall reported as 30.0 mm during the week however cloudiness in the morning/evening as 3.3/6.0 Oktas while average relative humidity observed as 62%. Mean night temperature recorded as 1.9°C & for the present season 75 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.4 Knots

### **Gilgit.**

No rainfall reported during the week, however cloudiness in the morning/evening as 6.4/5.9 Oktas

while average relative humidity observed as 46%. Mean night temperature recorded as 8.3°C & for the present season 74.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 0.6/9.4 Knots.

### **Skardu**

No rainfall reported during the week however cloudiness in the morning/evening as 0.0/2.3 Oktas while average relative humidity observed as 33%. Mean night temperature recorded as 5.9 °C & for the present season 48.4growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/6.7 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 completed .

**Wheat:** Good condition at *Milk* Maturity completed .

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

There is presently no crop in the fields.

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

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

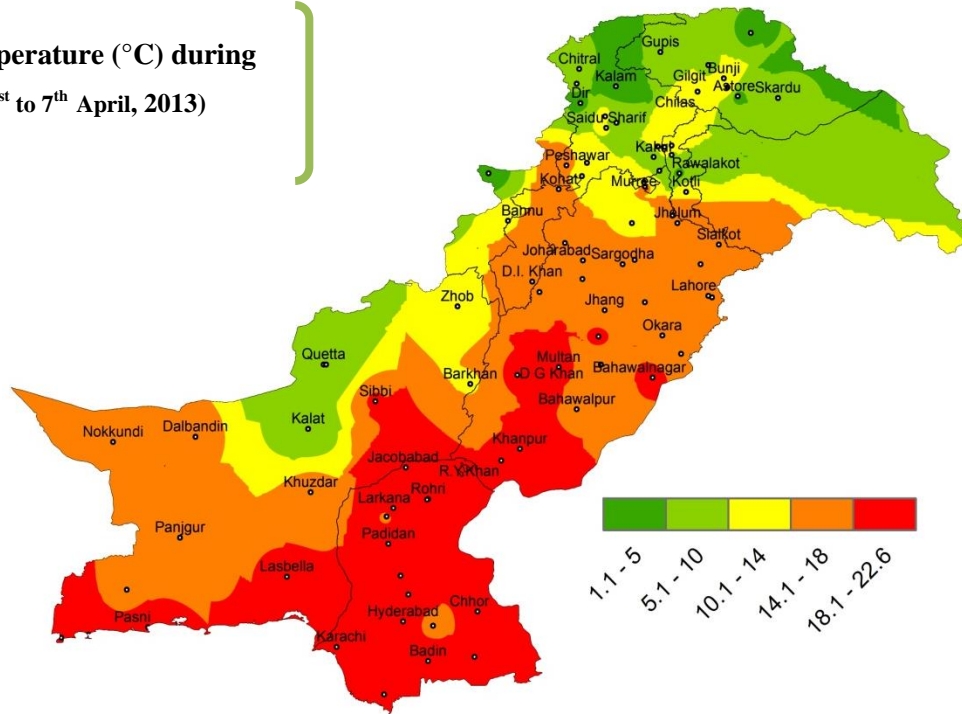
**Wheat:** Good condition at *Heading* stage.

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

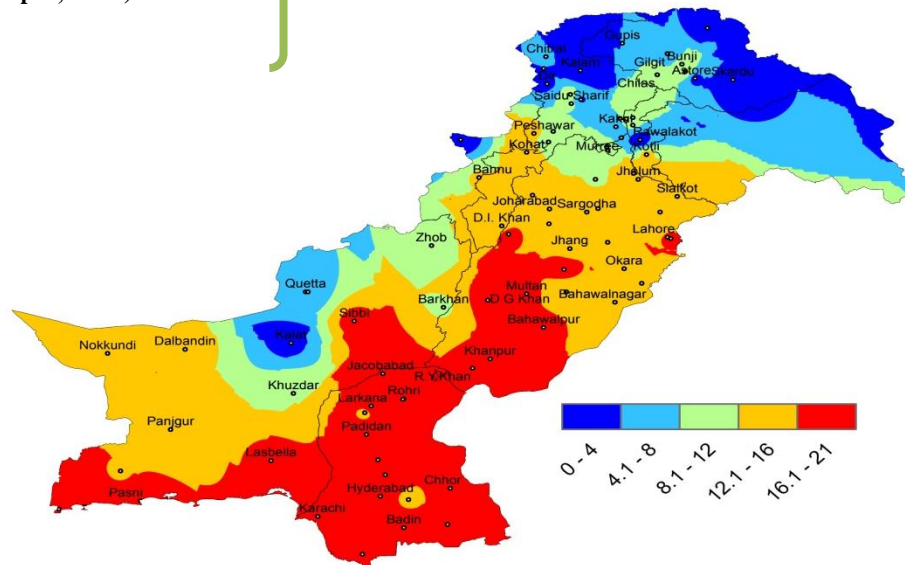
There is presently one crop (irrigated conditions) grown in the fields as detailed below.

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

Mean minimum temperature (°C) during the last week (from 1<sup>st</sup> to 7<sup>th</sup> April, 2013)

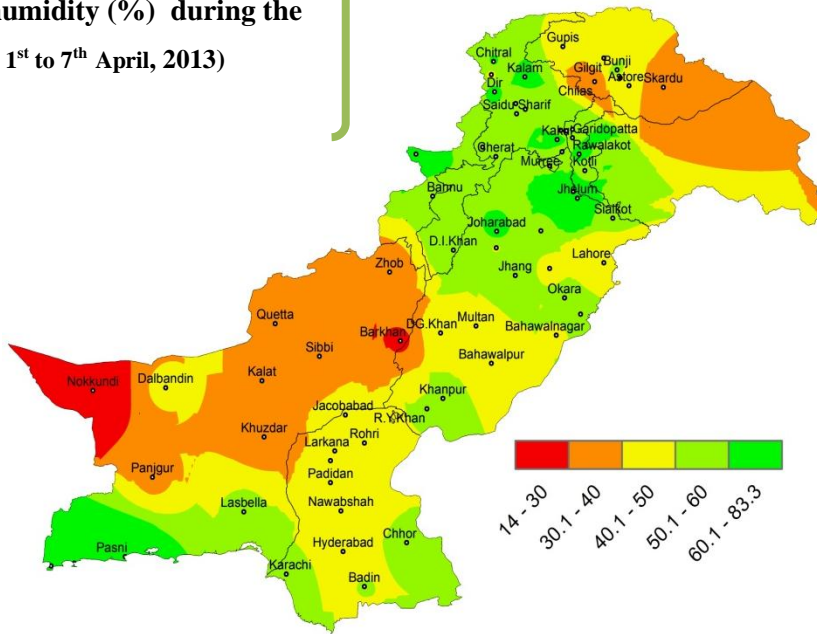


Extreme minimum temperature (°C) during the last week (from 1<sup>st</sup> to 7<sup>th</sup> April, 2013)

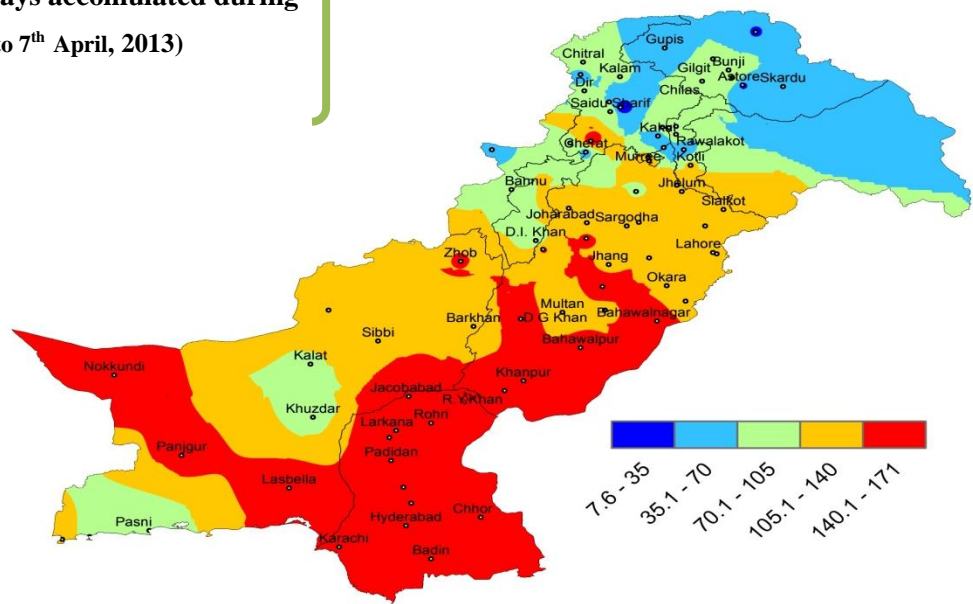




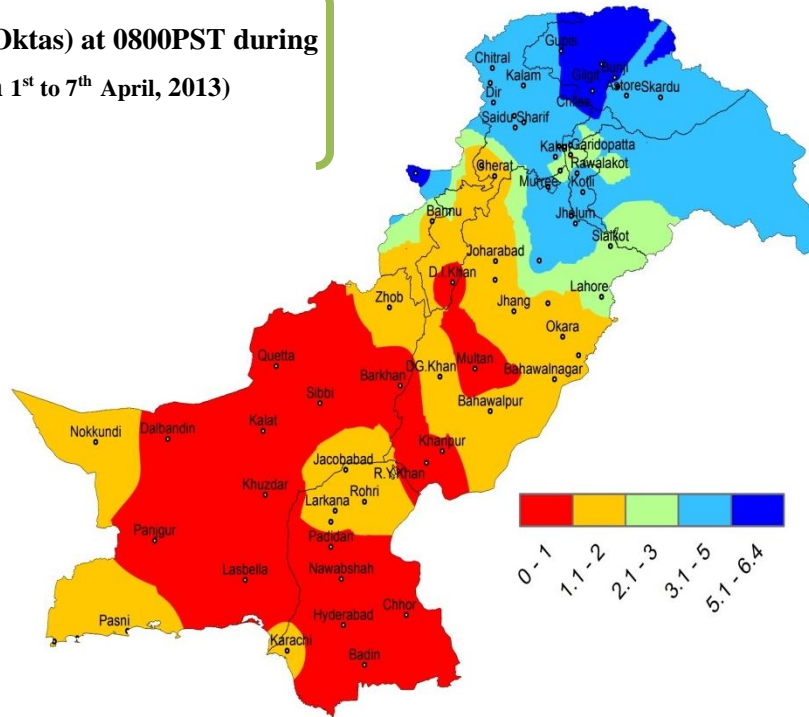
Mean relative humidity (%) during the last week (from 1<sup>st</sup> to 7<sup>th</sup> April, 2013)



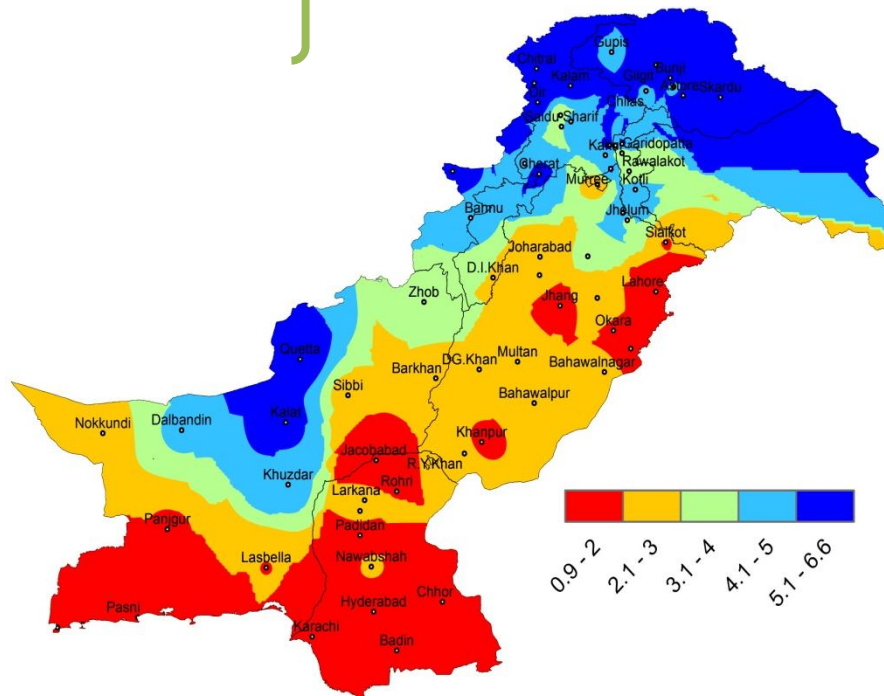
Total growing degree days accumulated during the last week (from 1<sup>st</sup> to 7<sup>th</sup> April, 2013)



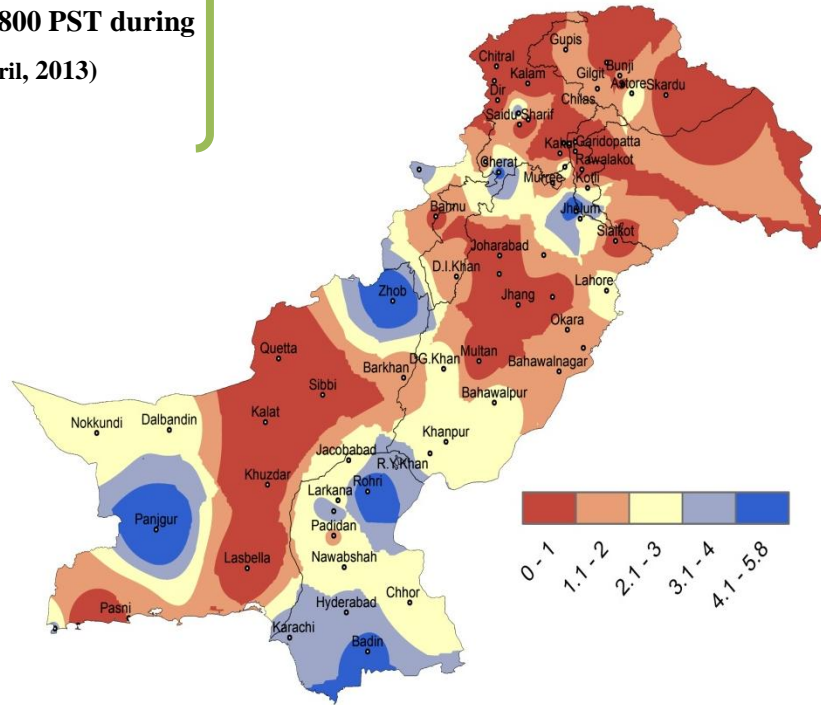
Mean Cloudiness (Oktas) at 0800PST during the last week (from 1<sup>st</sup> to 7<sup>th</sup> April, 2013)



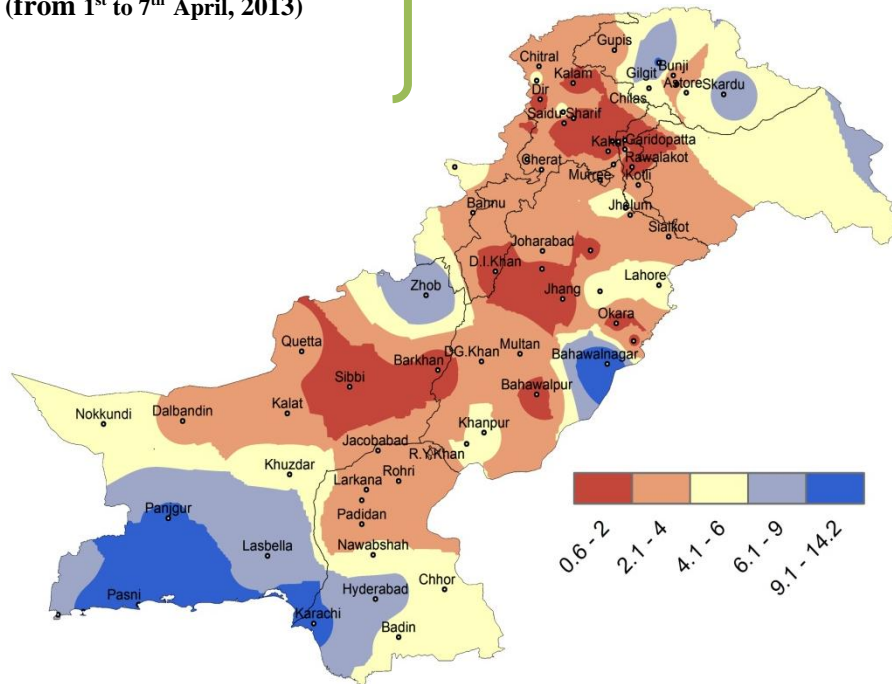
Mean Cloudiness (Oktas) at 1700PST during the last week (from 1<sup>st</sup> to 7<sup>th</sup> April, 2013)



Mean wind speed (Knots) at 0800 PST during the last week (from 1<sup>st</sup> to 7<sup>th</sup> April, 2013)



Mean wind speed (Knots) at 1700 PST during the last week (from 1<sup>st</sup> to 7<sup>th</sup> April, 2013)





## **Weekly Weather advisory for Farmers (from 8<sup>th</sup> to 14<sup>th</sup> April, 2013)**

A strong westerly system prevailing over Baluchistan and Sindh and expected to grip upper parts of the country from tonight and likely to persist for 36 to 48 hours. Another shallow westerly wave is expected to affect upper country during the weekend.

### **Punjab including Islamabad:**

Scattered rain-thunderstorm associated with gusty winds is expected in South Punjab, isolated rain-thunderstorm in upper Punjab, Islamabad on Monday/Tuesday. Hot & dry is expected from Wednesday to Friday. More isolated rain-thunderstorm is also expected in Islamabad and upper Punjab during the weekend.

### **Khyber Pakhtunkhwa:**

Isolated Rain-thunderstorm associated with gusty winds is expected in the provinces on Monday & Tuesday, while at few places of Malakand and Hazara divisions on Wednesday. Dry is expected from Wednesday to Friday. Isolated rain-thunderstorm is also expected in upper KP during the weekend.

### **Balochistan:**

Widespread rain/thundershowers associated with gusty winds (with scattered heavy falls in Makran and Kalat divisions) expected in Balochistan on Monday, while at Northeast Balochistan on Tuesday. Isolated rain/thunderstorm is also expected in North Balochistan on Friday/Saturday.

### **Sindh:**

Scattered rain/thundershowers associated with gusty winds (with isolated heavy falls ) expected in Sindh including Karachi on Monday, while at isolated places of upper Sindh on Tuesday. Very Hot & Dry weather is expected during rest of the week.

### **Kashmir:**

Mostly partly cloudy weather conditions with rain-thunderstorm are expected at isolated places in Kashmir from Monday (evening/night) to Wednesday and during the weekend.

### **Gilgit-Baltistan:**

Mostly partly cloudy weather conditions with rain-thunderstorm are expected at isolated places in GB from Monday to Wednesday and 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. Farmers should also free the crops from excess of weeds after recent rains especially in upper half of the country.

## National Weather Data of Selected Cities (Weekly Data from 1<sup>st</sup> to 7<sup>th</sup> April, 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	2.9	2.0	27.5	40	0.2	4.1	5.7	3.1	4.7
Badin	20.4	19.5	163.4	50	0.0	0.0	1.9	4.5	4.3
Bahawalnagar	18.6	14.0	148.3	49	0.0	1.1	2.4	1.7	14.3
Bahawalpur	17.8	16.8	149.5	48	0.0	1.3	2.6	2.6	1.4
Balakot	10.2	7.5	98.1	53	9.2	3.9	5.7	0.6	1.0
Bannu	13.9	12.5	101.7	56	1.0	1.7	4.9	0.9	3.1
Barkhan	13.7	11.5	121.8	28	0.0	0.5	2.7	1.0	0.9
Bunji	11.5	8.3	82.7	52	0.0	6.0	6.7	1.1	2.6
Cherat	12.4	9.5	53.8	55	8.0	1.7	5.1	4.3	3.4
Chhor	18.7	17.6	163.5	53	0.0	0.3	0.9	2.0	4.0
Chilas	13.0	10.5	96.5	30	0.1	6.4	4.9	1.7	5.7
Chitral	6.0	4.3	94.6	61	6.0	4.9	6.1	0.6	4.0
D G Khan	18.8	18.0	152.6	57	0.0	0.9	3.0	1.4	1.1
D.I. Khan	16.1	14.5	77.2	43	0.0	0.6	4.3	2.8	3.4
Dalbandin	14.9	14.0	***	47	0.1	1.6	3.0	2.9	3.4
Dir	4.1	3.0	73.5	63	32.0	4.1	6.1	0.0	1.1
Drosh	5.3	4.0	60.6	48	0.0	3.9	6.3	0.6	4.3
Faisalabad	17.2	14.5	139.1	47	0.0	1.8	2.6	0.0	6.0
Garidopatta	9.4	8.0	95.3	57	10.0	1.7	3.1	0.0	2.3
Gawader	20.0	19.5	92.8	63	6.0	1.4	2.0	0.0	9.7
Gilgit	8.3	5.0	74.4	46	0.0	6.4	5.9	0.6	9.4

Gupis	5.4	4.0	41.8	43	0.0	5.0	4.9	1.1	2.9
Hyderabad	20.0	18.5	165.6	41	0.0	0.4	1.3	3.2	8.9
Islamabad	13.1	10.0	108.6	59	10.0	3.7	2.2	1.0	4.0
Jacobabad	21.5	20.0	166.8	42	0.0	2.0	1.3	2.0	2.3
Jhang	16.3	15.5	137.5	56	0.0	1.7	1.7	0.6	0.9
Jhelum	15.3	14.4	123.5	60	29.0	3.3	3.7	2.0	2.9
Jiwani	21.4	21.0	124.8	71	45.0	1.8	0.9	3.2	6.9
Joharabad	16.1	12.5	133.6	64	1.1	1.1	2.4	0.6	3.4
Kakul	7.8	5.5	41.6	67	24.0	3.0	4.1	0.0	1.4
Kalam	1.9	0.0	75.0	62	30.0	3.3	6.0	0.0	1.4
Kalat	5.4	2.5	101.8	39	0.0	0.0	5.4	0.0	2.3
Karachi	22.6	20.5	162.0	56	1.0	1.2	1.7	3.6	9.4
Khanpur	18.6	17.6	153.8	51	0.0	1.0	1.6	2.9	4.3
Khuzdar	15.7	12.0	96.7	33	0.0	0.0	4.7	0.4	6.0
Kotli	13.9	13.4	110.7	52	16.1	3.1	4.4	2.0	3.4
Lahore	17.7	16.3	138.2	41	0.1	2.1	1.3	2.6	5.3
Larkana	20.9	19.0	169.8	40	2.0	1.2	2.1	2.3	4.0
Lasbella	18.7	17.0	155.5	53	17.0	0.5	2.0	0.0	8.9
Lower Dir	11.3	10.0	70.1	53	30.0	3.3	3.3	4.0	5.4
M.B.din	16.3	14.5	129.0	56	8.1	3.3	3.3	2.0	1.7
Malam Jabba	4.2	3.0	5.8	60	6.0	5.0	4.4	0.6	0.9
Mangla	14.0	12.8	111.7	84	43.0	4.3	4.9	5.9	5.1
Mir Khani	14.4	12.5	112.9	49	0.0	3.1	4.1	0.6	3.6
Moen-Jo-Daro	17.4	15.0	155.3	40	2.0	1.5	2.3	4.0	3.7

Multan	18.5	16.5	122.8	47	0.0	0.4	2.5	0.0	3.3
Murree	7.7	5.0	50.2	53	22.0	2.6	5.1	3.1	2.6
Muzaffarabad	12.6	10.4	104.1	59	7.6	2.6	3.9	0.9	1.0
Nawabshah	19.1	17.0	166.9	42	0.0	0.4	2.1	3.0	4.3
Nokkundi	16.3	13.3	149.4	14	19.0	2.0	2.6	2.0	4.6
Noorpur Thal	16.2	14.0	141.5	49	1.0	1.6	2.1	0.0	1.1
Padidan	19.2	18.0	163.0	45	0.1	1.9	2.0	1.7	1.4
Panjgur	15.6	12.0	146.3	37	18.0	0.0	1.4	1.7	3.4
Parachinar	1.1	0.0	55.1	68	44.0	0.6	1.9	5.4	9.3
Pasni	19.8	18.5	82.3	79	24.0	5.7	5.1	3.6	5.1
Pattan	10.4	9.0	87.0	60	32.0	1.5	1.7	1.0	9.6
Peshawar	14.7	12.8	98.6	57	1.2	3.9	5.4	0.6	1.4
Quetta	4.8	5.5	***	40	0.0	1.7	4.9	1.3	3.1
R.Y.Khan	18.4	16.8	155.3	51	0.0	0.4	6.1	0.0	2.3
Rawalakot	4.1	0.5	48.2	65	46.0	0.9	2.9	2.9	4.0
Rohri	22.7	21.0	171.0	43	0.2	3.4	3.0	0.0	0.9
Sahiwal	16.0	14.4	131.2	54	0.1	1.3	2.0	5.0	3.1
Saidu Sharif	10.9	9.0	113.3	54	5.0	1.3	1.3	1.1	1.7
Sialkot	15.0	13.0	111.5	51	0.2	4.0	4.0	0.3	0.6
Sibbi	18.6	18.0	129.4	36	0.0	2.7	2.0	0.6	2.6
Skardu	5.9	2.0	48.4	33	0.0	0.0	2.3	0.0	0.6
Zhob	11.4	10.0	141.0	31	0.0	5.0	5.1	0.0	6.7

\*\*\* Data not available