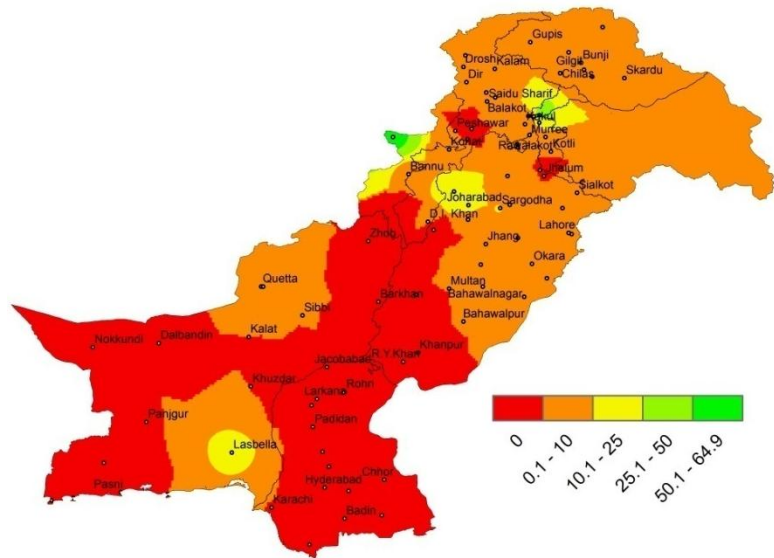


# Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall distribution (mm) during the  
Last week (from 13th to 19th May, 2013)**



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## Highlights of Past Weather ( 13<sup>th</sup> to 19<sup>th</sup> May, 2013)

Light to moderate rainfall occurred in most of the agricultural plains of the country during the week except Balochistan where it occurred at a few places and Sindh where dry weather prevailed. Where as the day temperatures are touching the highest values (50°C) at some places in southern half.

**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 in most parts of the province during the week. Weekly maximum temperature and minimum temperature recorded as 40.4 °C & 22.7°C respectively. For the present season on average 187.8 growing degree days accumulated by the end of last week. Average relative humidity recorded as 37% and wind speed in the morning/evening recorded as 1.9/3.4 Knots. During the previous week highest amount of rainfall reported at Mianwali as 23.0 mm and extreme maximum temperature recorded as 47.5 °C at the Bahawalpur.

**Sindh**

No rainfall reported in the province during the week. Weekly maximum temperature and minimum temperature recorded as 43.8°C & 26.6°C respectively. For the present season on average 202.6 growing degree days accumulated by the end of last week. Average relative humidity recorded as 44% and wind speed in the morning/evening recorded as 4.3/6.1 Knots. Extreme maximum temperature recorded as 51.0°C at Larkana.

**Khyber Pakhtunkhwa**

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 32.2°C & 16.1°C respectively. For the present season on average 133.2 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 1.1/2.4 Knots. During the previous week the highest rainfall recorded at Pattan as 86.0 mm and extreme maximum temperature recorded as 40.6°C at D.I.Khan.

**Balochistan**

Light rainfall reported from a few places in the agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 37.5°C & 17.9 °C respectively. For the present season on average 155.2 growing degree days accumulated by the end of last week. Average relative humidity recorded as 36% and wind speed in the morning/evening recorded as 0.8/5.6 Knots. During the previous week highest amount of rainfall reported at Sibbi as 5.1 mm and extreme maximum temperature recorded as 48.0 °C at Sibbi.

**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 30.5°C & 13.2°C respectively. For the present season on average 57.4 growing degree days accumulated by the end of last week. Average relative humidity recorded as 39 % and wind speed in the morning/evening recorded as 0.7/4.5 Knots. During the previous week the highest rainfall recorded at Pattan as 47.0 mm and extreme maximum temperature recorded as 41.1°C at Kotli.

## **Past Weather for Major Agricultural Plains (from 13th to 19th May, 2013)**

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

No rainfall reported during the week however cloudiness in the morning/evening 1.1/1.4 Oktas while average relative humidity observed as 40 %. Mean day time temperature recorded as 37.1 °C & for the present season 166.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.8/2.0 Km/h.

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

Rainfall reported as Trace (indeterminate) during the week however cloudiness in the morning/evening as 0.7/0.6 Oktas while average relative humidity observed as 30%. Mean day time temperature recorded as 40.8 °C & for the present season 186.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.6/2.3 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 60%. Mean day time temperature recorded as 42.3 °C & for the present season 200.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/0.6 Km/h.

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

Rainfall reported as Trace (indeterminate) during the week however cloudiness in the morning/evening as 0.3/1.4 Oktas while average relative humidity observed as 19%. Mean day time temperature observed as 31.0°C & for the present season 116.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.8/6.6 Km/h.

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

No rainfall reported during the week, however cloudiness in the morning/evening as 0.0/0.0 Oktas while average relative humidity observed as 46%.

Mean day time temperature recorded as 45.6°C & for the present season 217.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.7/4.8 Km/h.

## **Past Weather for sub regional Agri-cultural Plains (from 13th to 19th May, 2013)**

### **Rohri**

No rainfall reported during the week however cloudiness in the morning/evening as 0.0/0.0 Oktas while average relative humidity observed as 34 %. Mean day temperature recorded as 45.0°C & for the present season 226.3 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 2.7/1.3 Knots.

### **Multan**

No rainfall reported during the week however cloudiness in the morning/evening as 0.0/0.4 Oktas while average relative humidity observed as 34 %. Mean day temperature recorded as 42.0°C & for the present season 222.7 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 4.6/3.7 Knots.

### **Lahore**

Rainfall reported as 0.2 mm during the week however cloudiness in the morning/evening as 1.6/0.0 Oktas while average relative humidity observed as 32%. Mean day time temperature recorded as 40.0°C & for the present season 229.8 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 0.9/2.9 Knots.

### **Zhob**

No rainfall reported during the week however cloudiness in the morning/evening as 0.0/0.5 Oktas while average relative humidity observed as 25%. Mean day temperature recorded as 35.1°C & for the present season 158.5 growing degree days accumulated by the end of last week. . Wind recorded in the morning/evening as 4.2/8.3 Knots.

**D.I. Khan**

No rainfall reported during the week however cloudiness in the morning/evening as 0.5/1.3 Oktas while average relative humidity observed as 38%. Mean day temperature recorded as 42.9°C & for the present season 188.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.0/5.1 Knots.

**Peshawar**

No rainfall reported during the week however cloudiness in the morning/evening as 1.7/2.5 Oktas while average relative humidity observed as 48%. Mean day temperature recorded as 38.6°C & for the present season 150.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/1.7 Knots.

**Murree**

Rainfall reported as 3.0 mm during the week however cloudiness in the morning/evening as 1.0/2.0 Oktas while average relative humidity observed as 40%. Mean day temperature recorded as 24.9°C & for the present season 125.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.3/1.7 Knots.

**Kalam**

Rainfall reported as 2.0 mm during the week however cloudiness in the morning/evening as 1.4/2.3 Oktas while average relative humidity observed as 48%. Mean day temperature recorded as 48.0°C & for the present season 150.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/1.7 Knots.

**Gilgit**

Rainfall reported as 0.2 mm during the week, however cloudiness in the morning/evening as 1.9/3.3 Oktas while average relative humidity observed as 35%. Mean day temperature recorded as 32.2°C & for the present season 113.6 growing degree days accumulated by the end of last week.

Wind speed recorded in the morning/evening 0.0/3.7 Knots.

**Skardu**

No rainfall reported during the week however cloudiness in the morning/evening as 1.4/4.7 Oktas while average relative humidity observed as 30%. Mean day temperature recorded as 25.1 °C & for the present season 123.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/6.0 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):** Harvesting completed.

**Central Punjab (Faisalabad)**

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

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

**Cotton:** Good condition, *Third Leaf* stage completed.

**Lower Sindh (Tandojam)**

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

**Cotton(BT-3701):** Good condition at third leaf stage.

**Northern Balochistan (Quetta)**

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

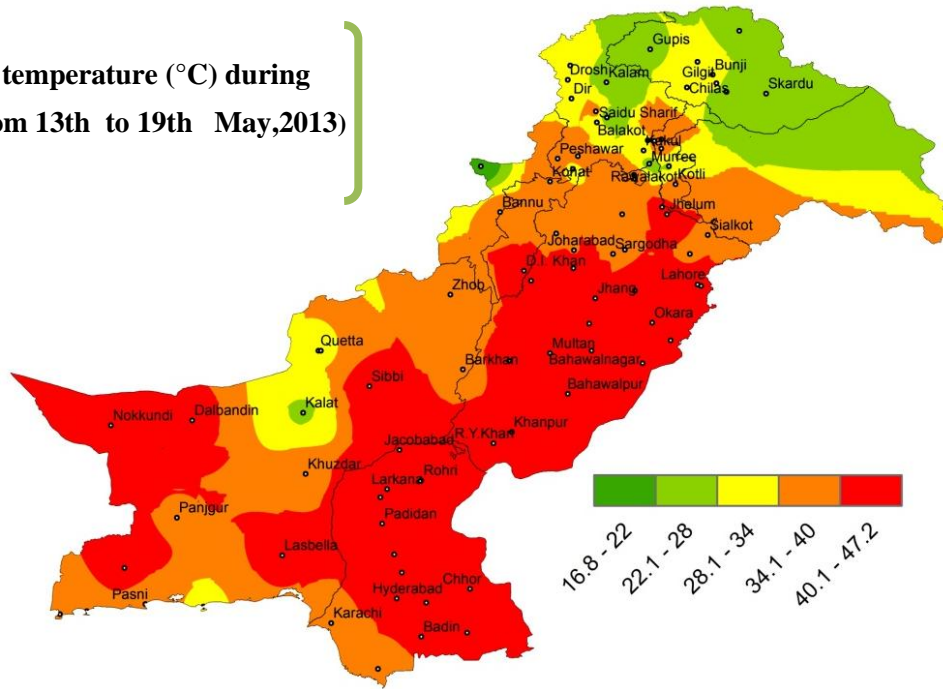
**Wheat:** Good condition at *wax Maturity* stage.

**Eastern Balochistan (Usta Muhammad)**

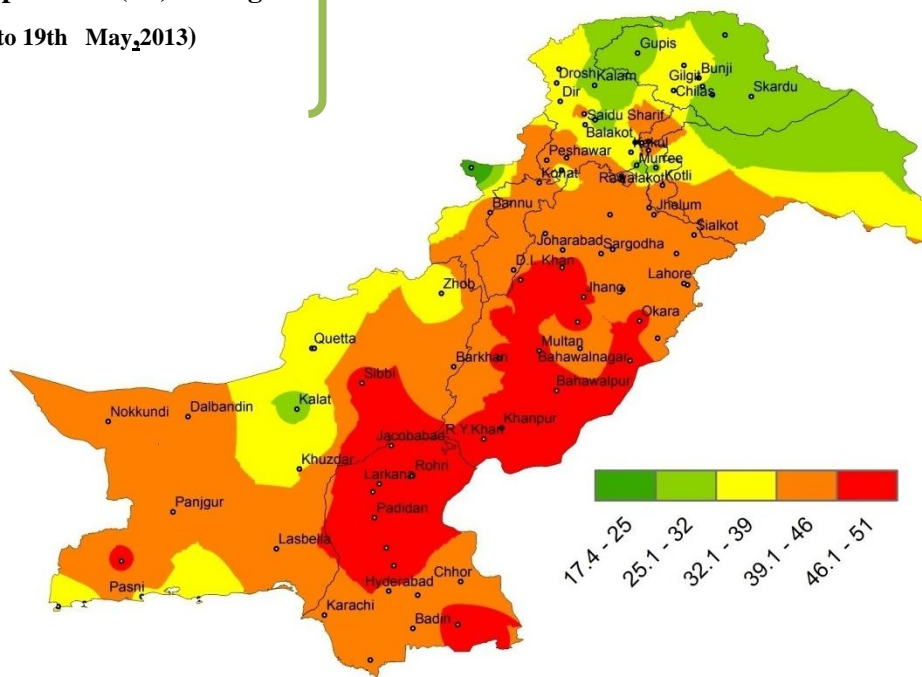
There is presently one crop (irrigated conditions) grown in the fields as detailed below.

**Wheat:** Good condition, *Threshing* completed.

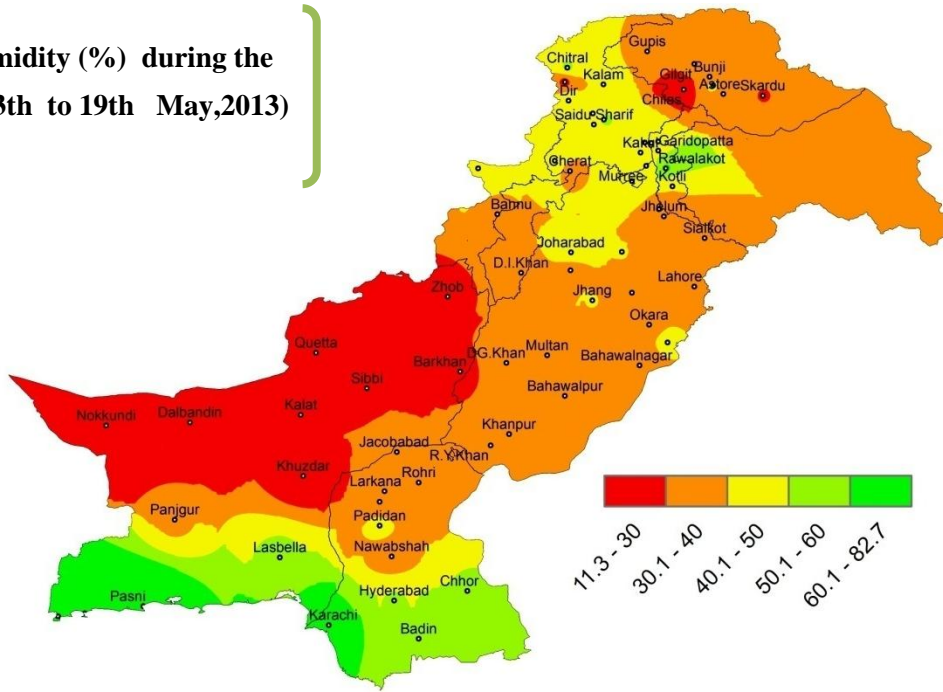
Mean maximum temperature (°C) during the last week (from 13th to 19th May, 2013)



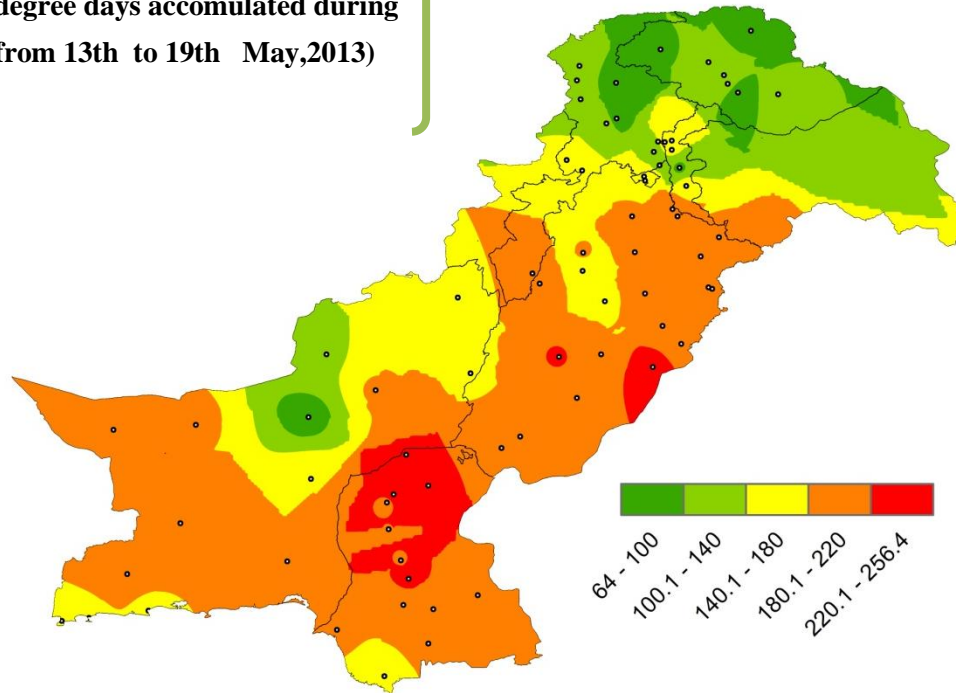
Extreme maximum temperature (°C) during the last week (from 13th to 19th May, 2013)



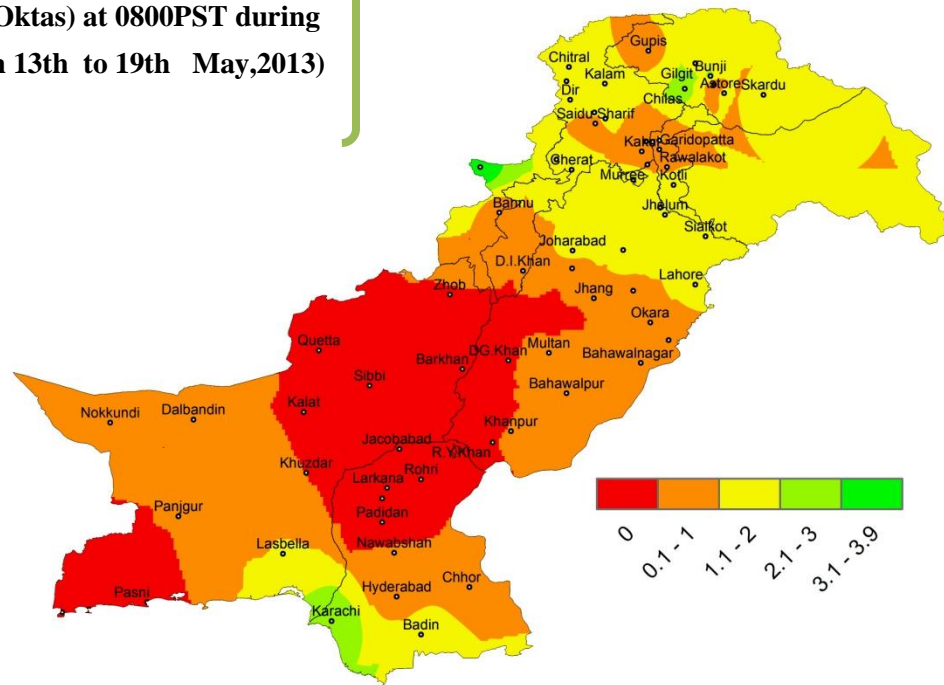
Mean relative humidity (%) during the last week (from 13th to 19th May,2013)



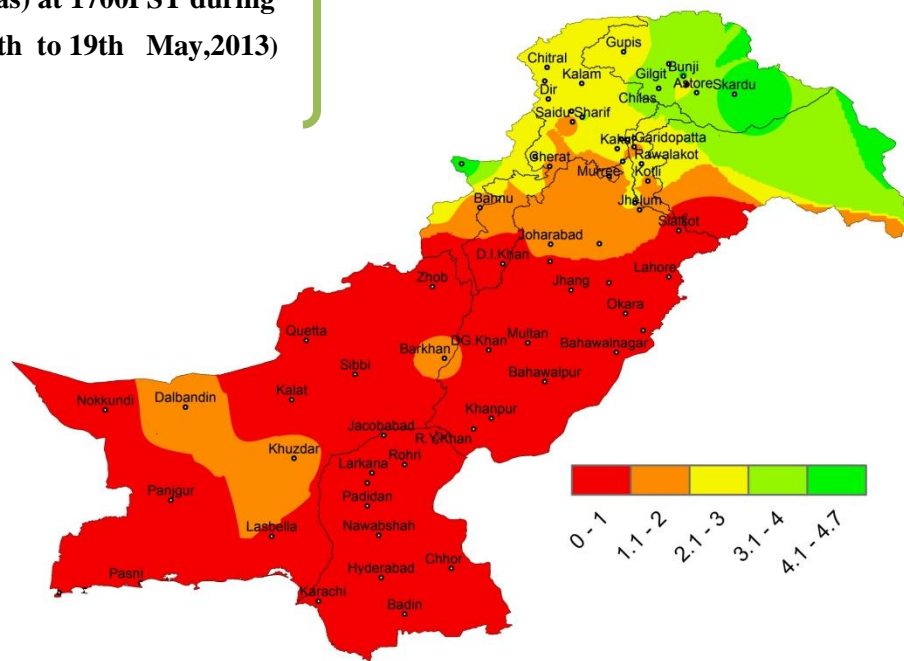
Total growing degree days accumulated during the last week (from 13th to 19th May,2013)



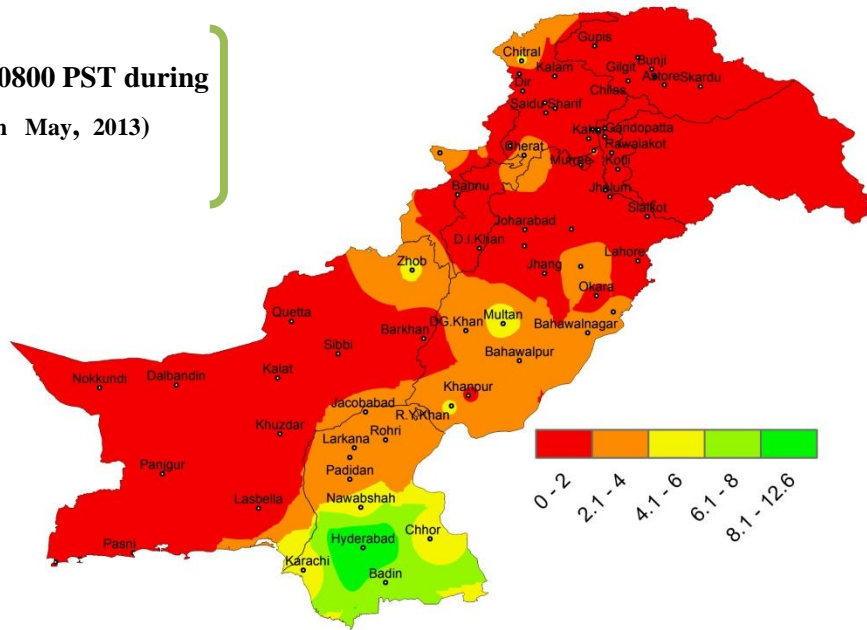
Mean Cloudiness (Oktas) at 0800PST during the last week (from 13th to 19th May,2013)



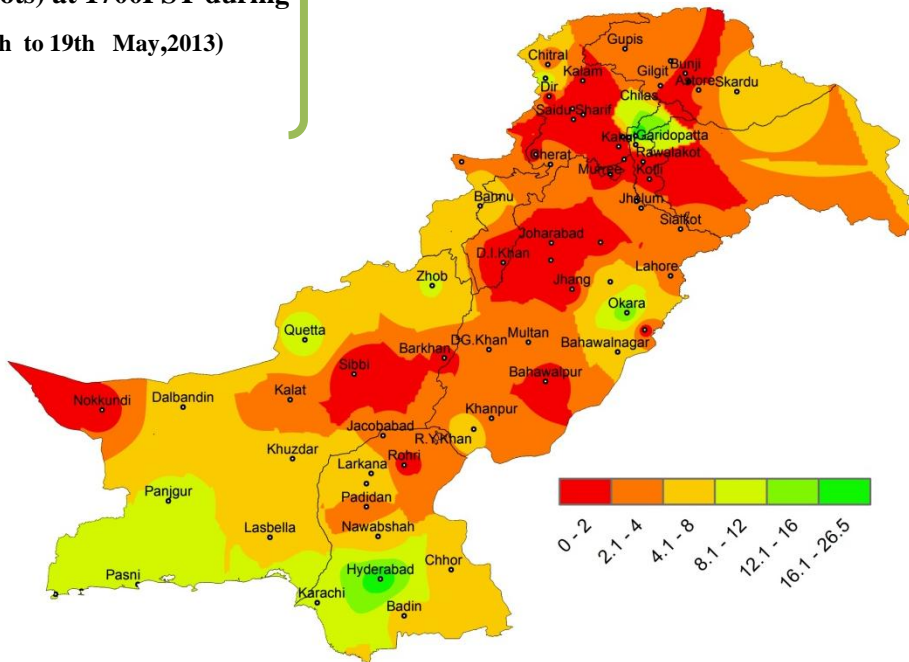
Mean Cloudiness (Oktas) at 1700PST during the last week (from 13th to 19th May,2013)



Mean wind speed (Knots) at 0800 PST during the last week (from 13th to 19th May, 2013)



Mean wind speed (Knots) at 1700 PST during the last week (from 13th to 19th May, 2013)





## Weekly Weather advisory for Farmers (from 20<sup>th</sup> to 26<sup>th</sup> May, 2013)

Seasonal low lies over Balochistan and its adjoining areas. Continental air would prevail over most parts of the country during the current week. A shallow westerly wave is affecting northern parts of the country and its adjoining areas and likely to move eastward during next 24 hours.

### **Punjab including Islamabad:**

Heat wave conditions likely to continue in plain areas of the Punjab during the next 3-4 days, however dust storm with isolated rain thundershower is expected in Rawalpindi and Gujranwala Division on Monday and Tuesday during evening/night. Isolated dust storm with rain thundershower is also expected in Northeast Punjab on the weekend

### **Khyber Pakhtunkhwa:**

Heat wave conditions likely to continue in plain areas of KP during the next 3-4 days ,however dust storm with isolated rain thundershower is expected in Hazara Division on Monday and Tuesday during evening/night. Isolated dust storm with isolated rain thundershower is also expected in upper KP on the weekend.

### **Balochistan:**

Heat wave conditions likely to continue in most parts of Balochistan during the current week..

### **Sindh:**

Heat wave conditions likely to continue in most parts of Sindh during the current week..

### **Kashmir:**

Mainly hot & dry weather is expected in most parts of Kashmir during the week. However Dust-thunderstorm/Rain may occur at isolated places in Kashmir on Monday and Tuesday evening/night. Isolated dust storm with isolated rain thundershower is also expected on the weekend.

### **Gilgit-Baltistan:**

Mainly dry weather is expected in most parts of GB during the week. However Dust-thunderstorm/Rain may occur at isolated places in Gilgit-Baltistan during tonight.

### **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 13<sup>th</sup> to 19<sup>th</sup> May, 2013)**

Stations	Minimum/Day 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	22.5	26.0	63.2	36	5.0	1.1	4.0	2.0	2.6
Badin	40.9	42.5	198.0	52	0.0	1.7	0.0	6.7	6.3
Bahawalnagar	42.9	47.0	256.7	32	0.0	0.6	0.4	2.3	4.9
Bahawalpur	43.7	47.5	209.8	34	0.0	0.1	0.1	2.0	1.1
Balakot	32.8	37.0	138.4	43	2.1	0.3	2.1	0.4	0.9
Bannu	38.1	42.8	***	36	0.0	0.4	1.5	0.3	5.3
Barkhan	36.9	39.5	171.8	26	0.0	0.0	1.2	0.0	1.7
Bunji	30.3	34.6	124.8	37	3.1	2.3	4.4	0.0	0.9
Cherat	30.9	35.5	143.8	36	0.0	1.7	1.9	4.0	3.7
Chhor	43.3	44.2	207.1	51	0.0	0.7	0.0	5.0	5.4
Chilas	32.6	37.2	***	23	1.1	2.3	3.8	0.3	2.0
Chitral	30.2	35.0	108.6	52	5.0	1.3	2.1	4.6	2.0
D G Khan	40.6	45.0	186.3	38	0.0	0.0	0.4	0.9	0.0
D.I. Khan	42.9	46.5	188.8	18	0.0	0.5	1.3	1.0	5.1
Dalbandin	41.6	44.0	***	40	0.0	0.0	0.7	3.4	3.4
Dir	31.1	35.0	109.5	49	2.0	1.6	3.0	0.0	1.0
Drosh	29.8	32.3	117.9	26	1.0	1.1	2.6	0.0	11.9
Faisalabad	40.4	45.0	199.4	32	7.0	0.8	0.6	4.0	5.7
Garidopatta	36.9	41.0	146.0	49	8.0	0.0	1.4	0.0	2.3
Gawader	36.3	38.0	173.3	62	0.0	0.0	0.0	0.0	8.3
Gilgit	32.2	36.5	113.6	35	0.2	1.9	3.3	0.0	3.7

Gupis	25.6	29.0	92.5	36	1.0	0.6	2.3	2.0	3.7
Hyderabad	43.4	45.5	202.4	51	0.0	0.3	0.7	12.7	18.3
Islamabad	36.6	41.0	168.5	46	4.0	1.5	1.6	0.0	1.7
Jacobabad	46.0	50.0	222.0	33	0.0	0.0	0.0	2.3	2.7
Jhang	41.5		172.7	40	0.0	0.0	0.4	0.9	1.7
Jhelum	40.9	45.0	184.6	34	0.0	1.6	1.3	0.6	2.0
Jiwani	35.4	37.5	177.0	69	0.0	0.0	0.0	0.3	8.0
Joharabad	39.8	45.2	182.7	44	14.6	1.7	1.4	0.6	1.4
Kakul	31.4	35.0	124.5	46	3.0	0.3	2.3	0.0	1.7
Kalam	25.4	29.5	81.5	43	5.0	1.4	2.3	0.0	0.9
Kalat	27.3	31.0	79.3	30	0.0	0.0	0.0	0.0	2.0
Karachi	36.2	39.0	187.2	69	0.0	2.8	0.2	4.7	10.0
Khanpur	43.4	46.2	193.4	37	0.0	0.0	0.0	1.7	2.0
Khuzdar	37.1	39.0	178.5	22	0.0	0.0	1.5	0.0	5.7
Kotli	36.9	41.1	164.8	40	0.0	1.7	1.9	1.1	1.1
Lahore	40.0	44.2	187.7	32	0.2	1.6	0.0	0.9	2.9
Larkana	47.2	51.0	229.8	33	0.0	0.0	0.0	3.0	7.0
Lasbella	42.1	44.0	197.5	54	13.0	1.0	1.0	1.3	7.7
Lower Dir	36.5	41.5	***	41	0.0	1.3	2.2	2.0	2.0
M.B.din	40.0	44.5	187.2	40	1.0	1.7	1.3	0.6	1.1
Malam Jabba	21.4	26.5	78.0	53	1.0	1.6	3.3	0.9	0.0
Mangla	40.4	46.0	199.9	40	0.0	2.0	2.4	2.0	3.4
Mir Khani	29.0	31.0	125.6	42	4.0	0.0	1.6	0.0	1.0
Moen-Jo-Daro	46.5	50.5	216.5	32	0.0	0.0	0.0	4.0	4.7
Multan	42.0	46.2	222.7	34	0.0	0.0	0.4	4.6	3.7

Murree	24.9	29.7	125.2	40	0.0	1.0	2.0	2.3	1.7
Muzaffarabad	36.7	40.6	148.5	44	3.0	0.9	3.0	0.0	1.3
Nawabshah	46.4	50.0	219.3	35	0.0	0.0	0.3	5.5	5.4
Nokkundi	42.4	44.5	209.0	11	0.0	0.0	0.9	0.7	1.4
Noorpur Thal	43.2	47.4	161.4	37	0.0	0.0	0.9	0.3	0.9
Okara	40.8	46.3	187.0	37		0.4	0.1	1.4	14.6
Padidan	45.7	47.5	219.9	43	0.0	0.0	0.0	2.7	2.3
Panjgur	39.5	40.5	182.8	37	0.0	0.0	0.7	1.7	8.8
Parachinar	16.7	17.4	***	48	65.0	3.9	4.6	3.3	3.9
Pasni	34.9	38.5	172.0	83	0.0	0.0	0.0	1.6	8.0
Pattan	34.3	41.0	153.0	43	48.0	1.1	2.7	0.0	27.7
Peshawar	38.6	42.6	150.6	48	0.0	1.7	2.5	0.9	1.7
Quetta	33.1	35.0	***	27	0.0	0.0	0.9	0.0	9.6
R.Y.Khan	44.8	47.8	204.9	36	0.0	0.0	0.0	4.3	5.1
Rawalakot	27.5	30.9	90.2	62	4.0	0.9	2.7	0.0	1.1
Rohri	45.0	48.0	226.3	34	0.0	0.0	0.0	2.7	1.3
Sahiwal	40.7	45.0	179.6	43	0.1	0.0	0.0	2.6	1.1
Saidu Sharif	33.5	37.5	124.0	44	0.0	0.0	1.4	0.0	0.0
Sialkot	39.8	45.0	184.5	33	0.2	1.1	0.4	1.1	2.3
Sibbi	45.1	48.0	186.9	27	0.0	0.0	0.7	0.0	0.0
Skardu	25.1	28.7	123.4	30	0.1	1.4	4.7	0.3	6.0
Zhob	35.1	37.5	158.5	25	0.0	0.0	0.5	4.2	8.3

\*\*\* Data not available