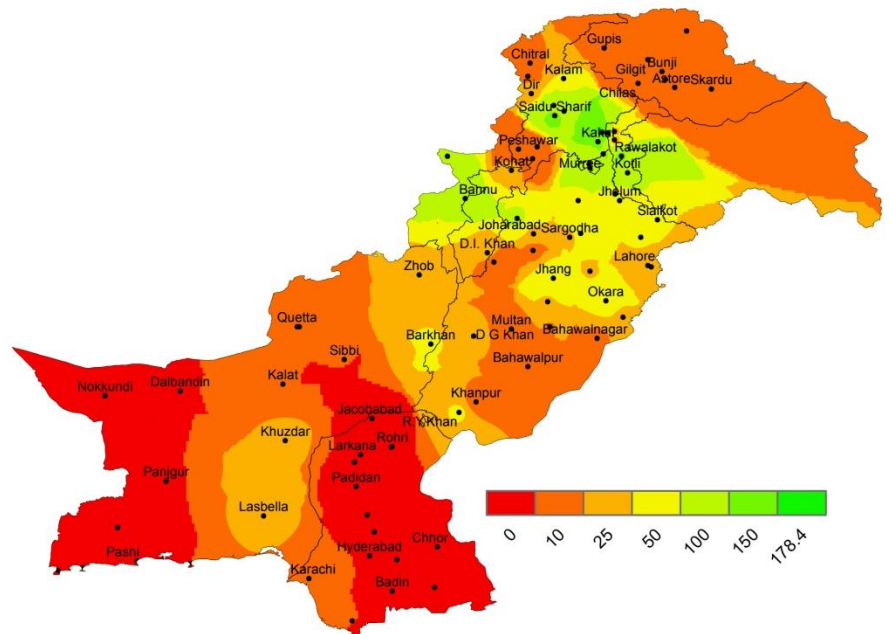


**NATIONAL AGROMET CENTRE  
PAKISTAN METEOROLOGICAL**

# Weekly Weather and Crop Bulletin for Pakistan

**DEPARTMENT  
SECTOR H-8/2, ISLAMABAD**

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**Rainfall distribution (mm) during the  
Last week (from 24<sup>th</sup> to 30<sup>th</sup> June, 2013)**

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**Highlights of Past Weather 24th to 30th June, 2013)**

Light to moderate rainfall occurred at most of the places in Punjab, Khyber Pakhtunkhwa Provinces and Northern Areas & Gilgit Baltistan region. Whereas light rainfall reported from few places in Balochistan Province and a single place in Sindh Province.

**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 places in the province during the week. Weekly maximum temperature and minimum temperature recorded as 39.2 °C & 26.6°C respectively. For the present season on average 197.0 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 4.9/3.0 Knots. During the previous week the highest amount of rainfall reported from Murree as 101 mm and extreme maximum temperature recorded as 46.0 °C at the Noorpur Thal.

## **Sindh**

Rainfall reported only from Karachi as 0.2 mm in the province during the week. Weekly maximum temperature and minimum temperature recorded as 39.6 °C & 28.2°C respectively. For the present season on average 199.9 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 6.7/9.3 Knots. Extreme maximum temperature recorded as 43.5°C at Larkana.

## **Khyber Pakhtunkhwa**

Light to moderate rainfall reported from most agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 34.8°C & 22.2°C respectively. For the present season on average 163.4 growing degree days accumulated by the end of last week. Average relative humidity recorded as 57% and wind speed in the morning/evening recorded as 1.0/3.8 Knots. During the previous week the highest rainfall recorded at Balakot as 145.1 mm and extreme maximum temperature recorded as 44.7 °C at Bannu.

## **Balochistan**

Light rainfall reported from few places of the province during the week. Weekly maximum temperature and minimum temperature recorded as 39.1°C & 25.1°C respectively. For the present season on average 187.3 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 2.2/6.7 Knots. During the previous week highest amount of rainfall reported at Barkhan as 23.0 mm and extreme maximum temperature recorded as 48.0 °C at Nokkundi.

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

Light to moderate rainfall reported from most agricultural plains of the region during the week. Weekly maximum temperature and minimum temperature recorded as 34.1°C & 20.1°C respectively. For the present season on average 156.8 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 1.5/3.0 Knots. During the previous week the highest rainfall recorded at Rawalakot as 102.1 mm and extreme maximum temperature recorded as 43.1°C at Chilas.

## Past Weather for Major Agricultural Plains (from 24<sup>th</sup> to 30<sup>th</sup> June, 2013)

### Rawalpindi (Potohar region)

Rainfall reported as 65.5 mm during the week however cloudiness in the morning/evening 2.7/3.2 Oktas while average relative humidity observed as 58%. Mean day time temperature recorded as 36.9 °C & for the present season 181.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.7/1.4 Km/h.

### Faisalabad (Central Punjab)

Rainfall reported as 36.0 mm during the week however cloudiness in the morning/evening as 1.0/1.6 Oktas while average relative humidity observed as 49%. Mean day time temperature recorded as 39.6°C & for the present season 203.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.1/3.9 Km/h.

### Tandojam (Lower Sindh)

No rainfall reported during the week, however cloudiness in the morning/evening as 2.7/3.2 Oktas while average relative humidity observed as 61%. Mean day time temperature recorded as 36.9 °C & for the present season 190.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 7.4/8.8 Km/h.

### Quetta (Northern Balochistan)

No rainfall reported during the week however cloudiness in the morning/evening as 0.4/3.9 Oktas while average relative humidity observed as 27%. Mean day time temperature observed as 35.4°C & for the present season 170.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.1/7.0 Km/h.

### Usta Muhammad (Eastern Balochistan)

No rainfall reported during the week, however cloudiness in the morning/evening as 1.1/1.8 Oktas while average relative humidity observed as 54%.

Mean day time temperature recorded as 41.8°C & for the present season 209.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.7/9.0 Km/h.

## Past Weather for sub regional Agri-cultural Plains (from 24<sup>th</sup> to 30<sup>th</sup> June, 2013)

### Rohri

No rainfall reported during the week however cloudiness in the morning/evening as 1.4/0.0 Oktas while average relative humidity observed as 54%. Mean day temperature recorded as 41.8°C & for the present season 214.0 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 3.4/4.0 Knots.

### Multan

Rainfall reported as 0.1 mm during the week however cloudiness in the morning/evening as 1.4/1.4 Oktas while average relative humidity observed as 51%. Mean day temperature recorded as 40.0°C & for the present season 210.4 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 14.6/10.0 Knots.

### Lahore

Rainfall reported as 18.0 mm during the week however cloudiness in the morning/evening as 2.7/1.4 Oktas while average relative humidity observed as 62%. Mean day time temperature recorded as 37.3°C & for the present season 186.3 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 5.4/3.0 Knots.

### Zhob

Rainfall reported as 16.0 mm during the week however however cloudiness in the morning/evening as 0.6/5.1 Oktas while average relative humidity observed as 41%. Mean day temperature recorded as 38.4°C & for the present season 184.0 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 5.6/14.0 Knots.

**D.I. Khan**

Rainfall reported as 14.0 mm during the week however cloudiness in the morning/evening as 2.1/4.0 Oktas while average relative humidity observed as 61%. Mean day temperature 40.2 °C & for the present season 196.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/2.0 Knots.

**Peshawar**

Rainfall reported as 0.2 mm during the week however cloudiness in the morning/evening as 3.3/3.6 Oktas while average relative humidity observed as 57%. Mean day temperature recorded as 36.8°C & for the present season 195.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/3.0 Knots.

**Murree**

Rainfall reported as 101.0 mm during the week however cloudiness in the morning/evening as 5.1/5.7 Oktas while average relative humidity observed as 76%. Mean day temperature recorded as 24.3°C & for the present season 109.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.1/1.0 Knots.

**Kalam**

Rainfall reported as 23.0 mm during the week however cloudiness in the morning/evening as 2.0/3.7 Oktas while average relative humidity observed as 63%. Mean day temperature recorded as 36.2°C & for the present season 128.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.0 Knots.

**Gilgit**

Rainfall reported as 1.2 mm during the week, however cloudiness in the morning/evening as 3.9/5.1 Oktas while average relative humidity observed as 47%. Mean day temperature recorded as 37.2°C & for the present season 161.5 growing degree days accumulated by the end of last week.

Wind speed recorded in the morning/evening 1.1/5.0 Knots.

**Skardu**

Rainfall reported as 0.1 mm during the week however cloudiness in the morning/evening as 3.7/3.7 Oktas while average relative humidity observed as 33%. Mean day temperature recorded as 31.3 °C & for the present season 128.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/4.0 Knots.

### **Crop Situation for major agricultural plains (based on data from Regional Agromet Centres)**

**Potohar Region (Rawalpindi)**

There is presently no crop in the fields.

**Central Punjab (Faisalabad)**

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

**Sugarcane:** Very Good condition, *Tillering* completed .

**Cotton:** Very Good condition at *flowering* stage.

**Lower Sindh (Tandojam)**

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

**Cotton(BT-3701):** Good condition at *Flowering* stage

**Northern Balochistan (Quetta)**

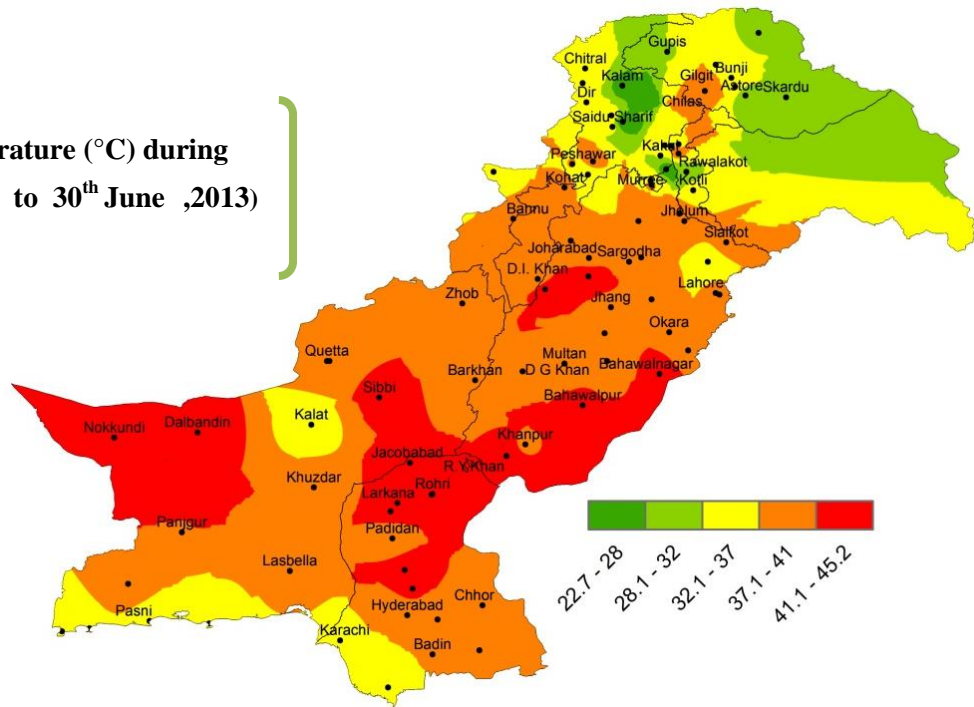
There is presently no crop in the fields.

**Eastern Balochistan (Usta Muhammad)**

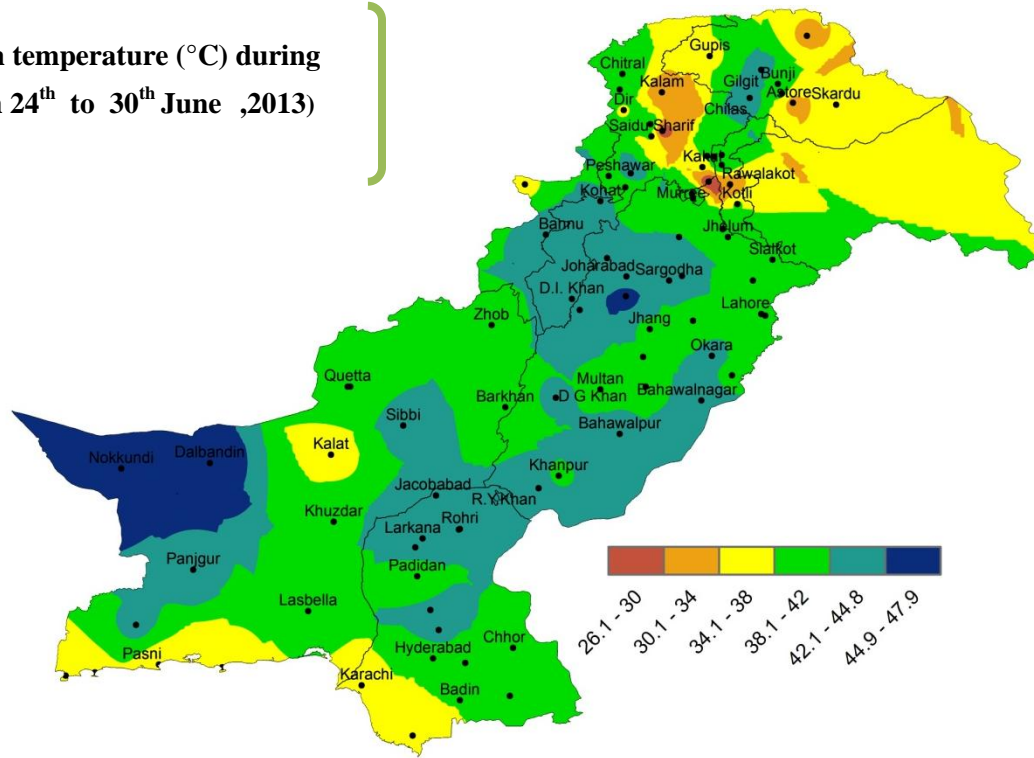
There is only one crop (irrigated condition) grown in the fields as detailed below.

**Rice :** Good condition ,*Third Leaf* stage.

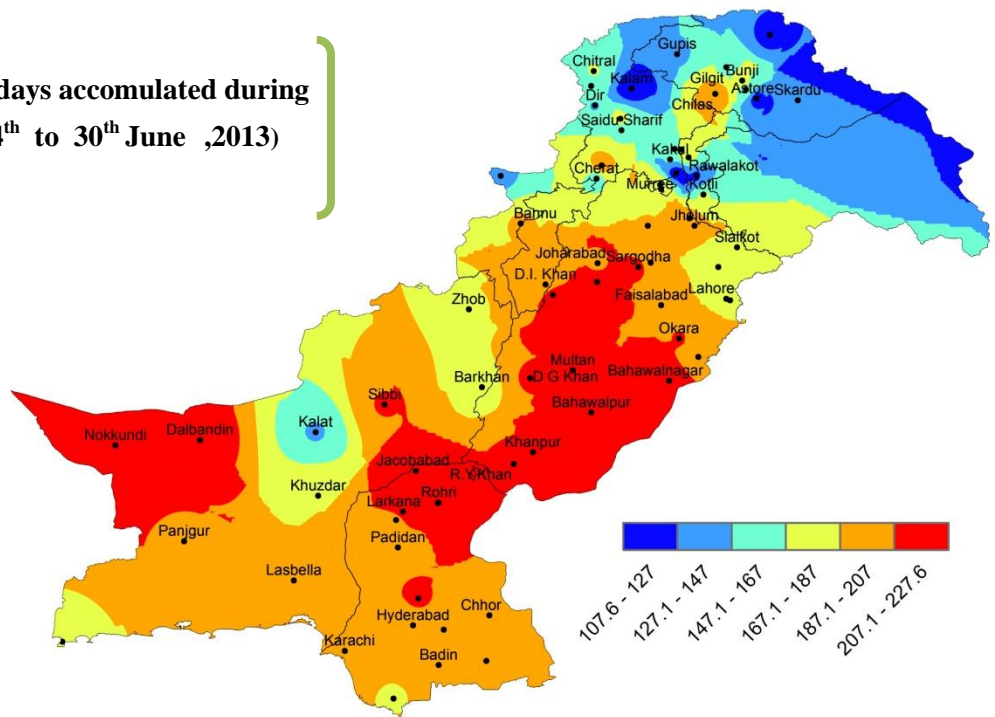
Mean maximum temperature (°C) during the last week (from 24<sup>th</sup> to 30<sup>th</sup> June ,2013)



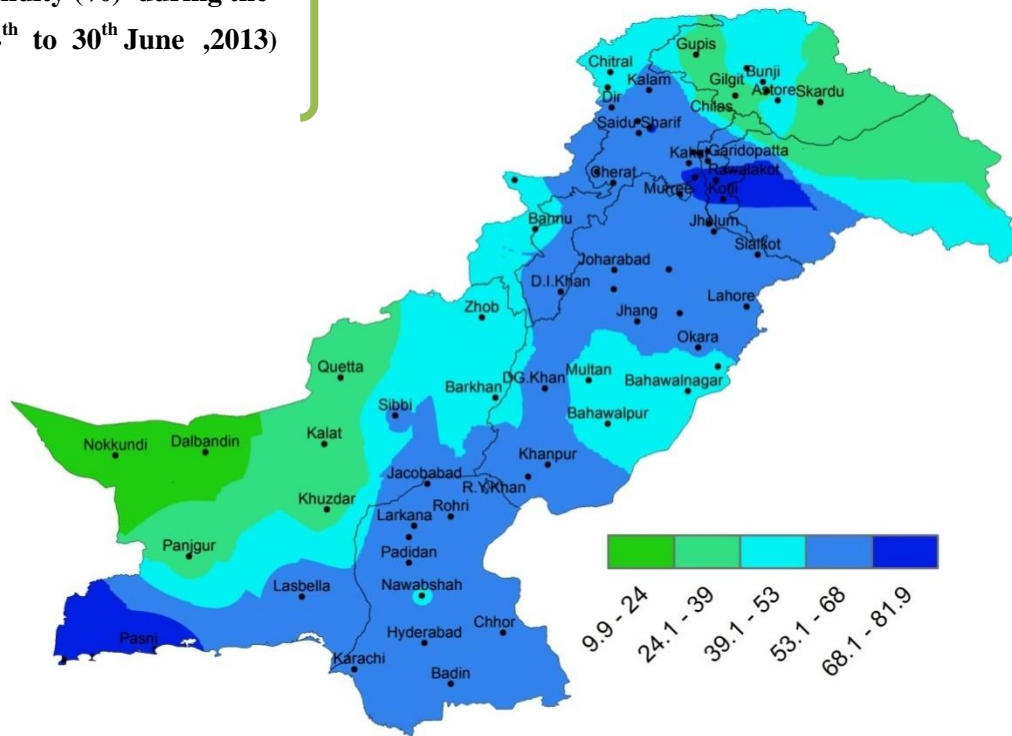
Extreme maximum temperature (°C) during the last week (from 24<sup>th</sup> to 30<sup>th</sup> June ,2013)



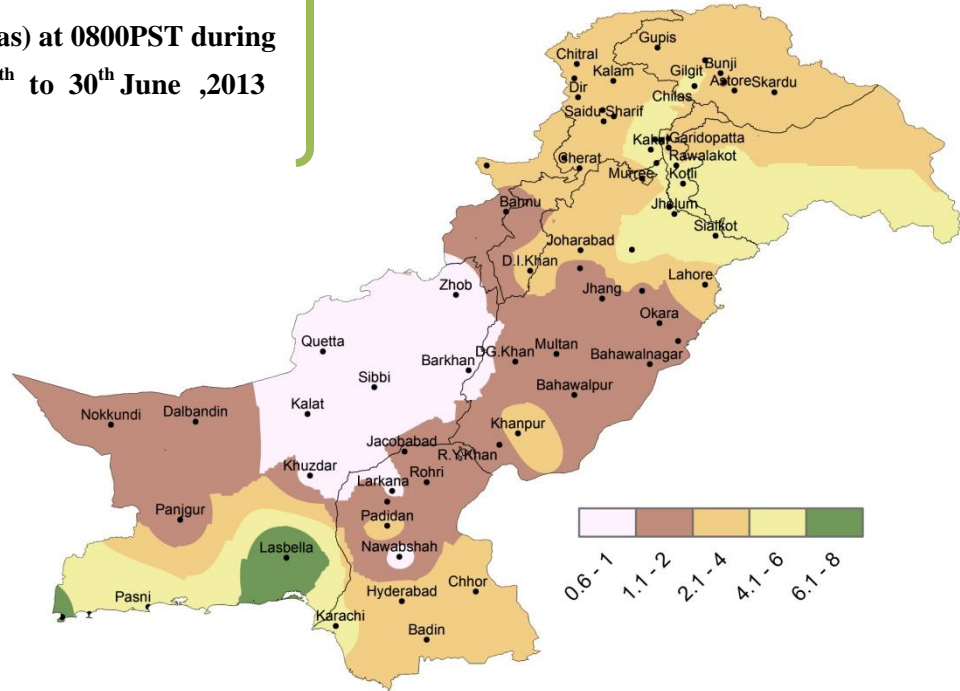
Total growing degree days accumulated during the last week (from 24<sup>th</sup> to 30<sup>th</sup> June ,2013)



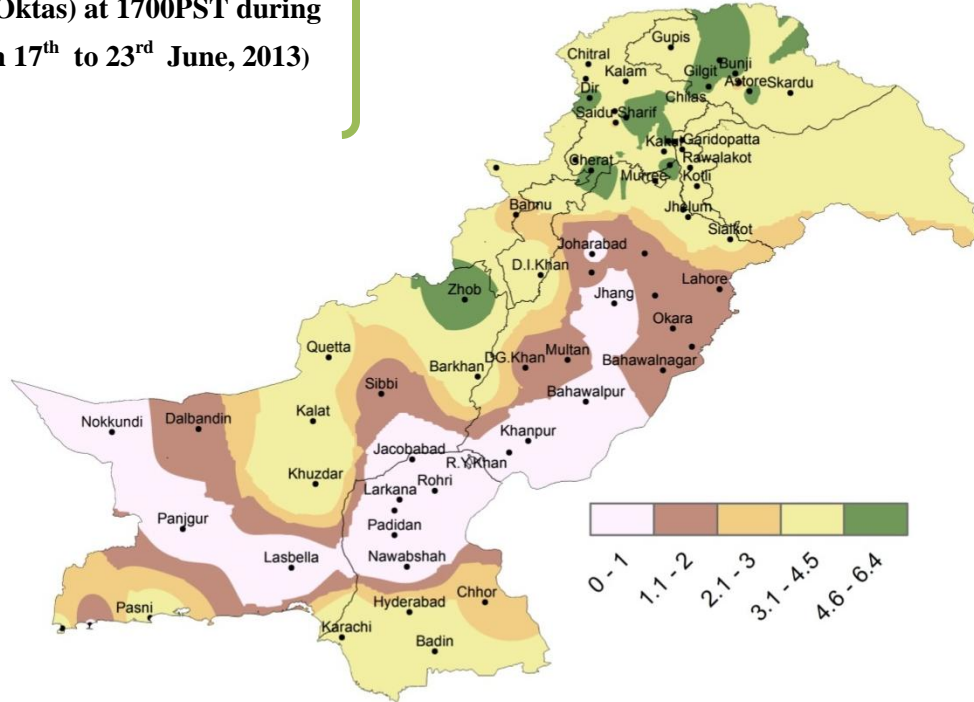
Mean relative humidity (%) during the last week (from 24<sup>th</sup> to 30<sup>th</sup> June ,2013)



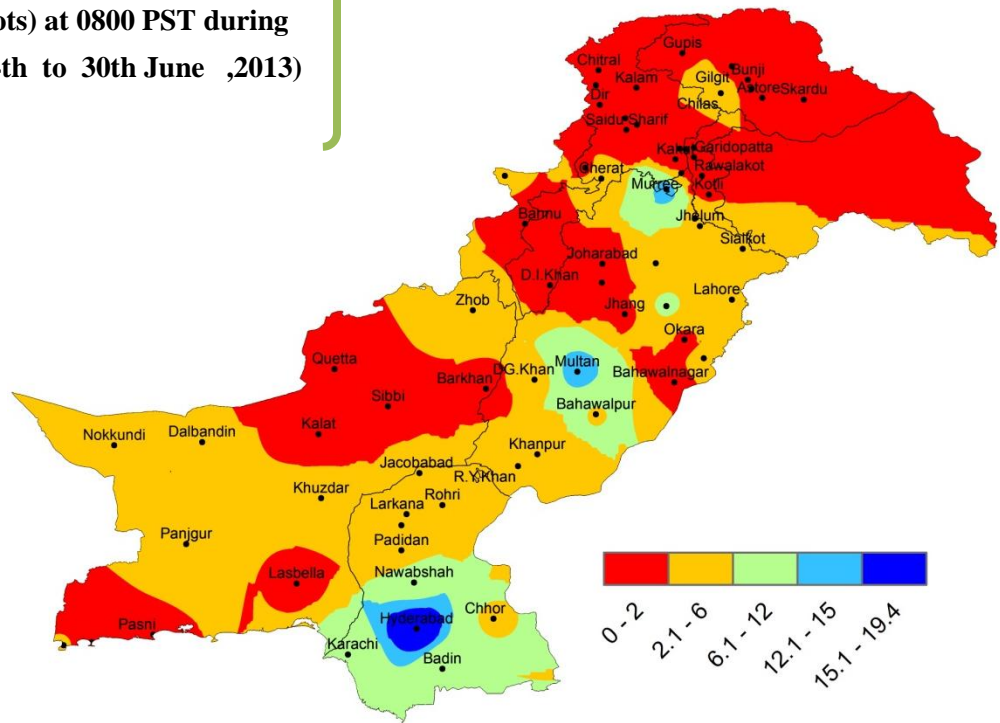
Mean Cloudiness (Oktas) at 0800PST during the last week (from 24<sup>th</sup> to 30<sup>th</sup> June ,2013



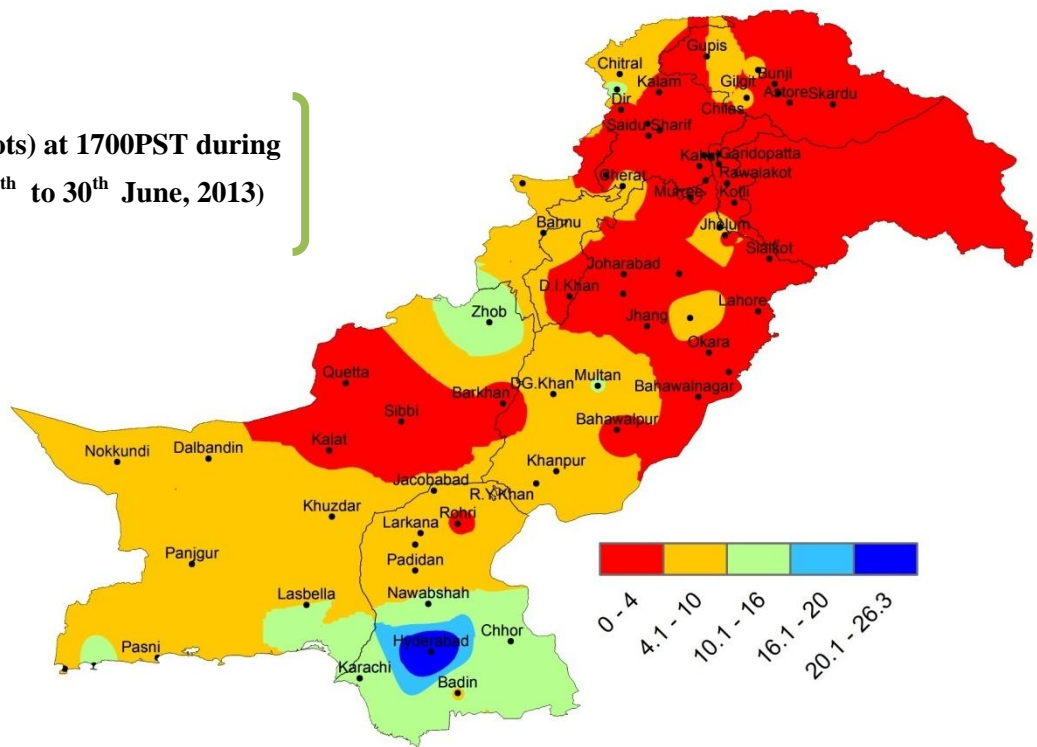
Mean Cloudiness (Oktas) at 1700PST during the last week (from 17<sup>th</sup> to 23<sup>rd</sup> June, 2013)



Mean wind speed (Knots) at 0800 PST during the last week (from 24th to 30th June ,2013)



Mean wind speed (Knots) at 1700PST during the last week (from 24<sup>th</sup> to 30<sup>th</sup> June, 2013)





## Weekly Weather advisory for Farmers (from 1<sup>st</sup> to 7<sup>th</sup> July, 2013)

Seasonal low lies over Balochistan and adjoining areas. Western disturbance is affecting upper parts of the country that would persist till Tuesday. Fresh monsoonal currents will start penetrating again into upper and eastern parts of country during second half of the week. A fresh shallow westerly wave is also likely to affect upper parts of the country during the weekend. Continental air would prevail over most parts of the country during Wednesday/Thursday.

### **Punjab including Islamabad:**

Rain-thundershower associated with gusty winds is expected at scattered places of South Punjab on Monday while, at isolated places in eastern Punjab during next 24-36 hours. Isolated Rain-thundershower is also expected in upper Punjab during the weekend. Hot & Humid weather is expected in most parts of the province during remaining days of the week. Day temperatures are likely to increase from Wednesday to Friday.

### **Khyber Pakhtunkhwa:**

Rain-thundershower associated with gusty winds is expected at scattered places of KP on Monday. Isolated Rain-thundershower is also expected in upper KP during Tuesday and again during weekend. Hot & Humid weather is expected in most parts of the province during remaining days of the week. Day temperatures are likely to increase from Wednesday to Friday.

### **Balochistan:**

Mainly Hot & Humid weather is expected in most part of the province during the week. However, rain-thundershower associated with gusty winds is expected at isolated places of eastern Balochistan on Monday/Tuesday.

### **Sindh:**

Mainly Hot & Humid weather is expected in most part of the province during the week. However, Rain-thundershower associated with gusty winds is expected at isolated places of upper/central Sindh on Monday. Isolated rain-thundershower is also expected in southeastern/southern Sindh during the weekend.

### **Kashmir:**

Rain-thundershower associated with gusty winds is expected at scattered places of Kashmir on Monday/Tuesday and again during the weekend. Hot & dry weather is expected in most parts of Kashmir during remaining days of the week. Day temperatures are likely to increase from Wednesday to Friday.

### **Gilgit-Baltistan:**

Rain-thunderstorm is expected at scattered places of GB on Monday/Tuesday and again during the weekend. Day temperatures are likely to increase from Wednesday to Friday.

### **Advises for Crops:**

***Sugarcane & Rice:*** 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 24<sup>th</sup> to 30<sup>th</sup> June, 2013)**

Stations	Maximum/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	Highest							
Astore	27.7	31.7	113.7	44	2.4	4.0	5.1	0.9	2.9
Badin	37.1	38.0	192.0	59	0.0	2.1	3.9	6.9	9.7
Bahawalnagar	42.3	44.5	214.7	46	4.0	1.4	1.4	1.7	2.6
Bahawalpur	41.8	43.5	210.7	50	0.1	1.6	0.1	5.7	2.9
Balakot	34.7	38.3	158.6	65	180.0	5.9	5.3	0.9	1.3
Bannu	39.1	44.7	189.9	51	71.0	1.4	2.8	0.0	7.3
Barkhan	38.1	40.5	175.0	50	27.0	0.7	4.0	0.0	2.3
Bunji	36.8	41.7	175.9	42	0.2	4.1	6.0	1.1	0.6
Cherat	32.1	38.0	156.5	61	5.0	2.0	5.3	3.4	5.4
Chhor	38.2	38.6	195.7	66	0.0	3.6	2.6	5.1	11.4
Chilas	39.5	43.1	202.4	25	0.3	4.1	4.6	4.3	4.3
Chitral	36.6	42.0	167.9	43	4.0	2.0	4.0	0.6	7.4
D.I.Khan	39.7	42.0	195.3	61	14.0	2.1	4.0	0.6	1.7
Dalbandin	45.3	47.0	227.2	20	0.0	1.9	1.7	2.9	4.6
DG.Khan	40.9	42.4	210.1	56	16.2	1.1	1.7	3.7	6.3
Dir	32.1	37.5	145.3	68	15.0	3.1	5.1	0.0	0.6
Drosh	37.0	41.1	165.3	38	9.0	2.7	3.6	0.9	13.0
Faisalabad	39.3	41.0	202.3	54	23.0	1.9	1.7	6.9	6.0
Garidopatta	37.7	42.0	174.0	63	19.0	3.7	3.1	0.0	0.0
Gawader	35.8	37.0	***	72	0.0	5.1	0.9	0.0	12.0
Gilgit	36.5	43.0	159.1	47	4.3	3.9	5.1	1.1	4.6

Gupis	31.5	37.0	141.3	35	0.0	2.1	3.7	1.7	4.0
Hyderabad	37.6	38.3	191.7	61	0.0	3.0	3.6	19.4	26.3
Islamabad	37.0	41.0	182.2	60	48.0	2.9	3.6	14.9	0.6
Jacobabad	41.6	42.0	214.8	53	0.0	1.0	0.0	3.1	4.3
Jhang	40.6	41.4	***	53	50.0	1.4	0.0	1.4	2.0
Jhelum	38.4	42.0	190.8	58	39.3	4.9	3.3	3.4	3.4
Jiwani	34.0	35.0	179.5	74	0.0	6.6	3.4	2.3	7.4
Joharabad	40.1	42.5	205.0	62	22.0	2.6	0.9	1.7	2.0
Kakul	32.4	35.0	150.0	65	97.0	4.3	3.3	0.3	1.7
Kalam	26.0	31.0	107.5	63	26.5	2.0	3.7	0.0	1.4
Kalat	34.1	36.0	145.0	29	0.0	0.6	3.7	0.0	3.4
Karachi	35.3	36.0	191.2	66	0.2	4.4	4.3	7.7	11.4
Khanpur	40.7	41.7	209.1	55	0.0	2.7	0.4	4.0	5.7
Khuzdar	38.9	41.5	185.5	37	15.5	0.9	4.3	4.3	8.6
Kotli	34.9	38.3	169.1	68	60.0	4.3	3.6	1.4	1.1
Lahore	37.2	40.0	185.6	62	17.2	2.7	1.4	5.4	3.1
Larkana	42.0	43.5	214.7	60	0.0	0.9	0.0	4.9	6.6
Lasbella	38.9	40.5	204.0	60	17.0	8.0	0.0	0.9	10.0
Lower Dir	36.6	42.5	174.5	59	71.0	2.7	3.4	1.7	3.7
M.B Din	37.9	42.5	189.3	61	43.0	4.7	1.3	3.4	2.3
Malam Jabba	22.4	26.0	***	69	83.0	3.4	6.4	0.0	0.6
Mangla	38.2	41.5	191.1	58	51.0	4.3	3.6	6.3	6.3
Mir Khani	35.7	38.5	165.8	36	7.0	1.3	1.4	1.0	4.0
Moinjodaro	41.3	42.5	202.3	60	0.0	1.1	0.3	4.6	5.4
Multan	39.8	41.0	209.7	51	0.6	1.4	1.4	14.6	10.3

Murree	24.3	26.0	109.5	76	102.0	5.1	5.7	2.1	0.9
Muzaffarabad	37.3	40.2	172.9	61	89.1	5.6	4.1	0.0	0.0
Nawabshah	41.5	42.0	***	52	0.0	0.6	0.3	10.6	12.4
Nokkundi	45.2	48.0	228.1	10	0.0	1.3	0.6	6.0	8.9
Noorpurthal	42.1	46.0	211.6	54	1.0	1.6	1.3	0.9	2.3
Okara	40.5	42.5	207.6	54	38.0	1.6	1.4	1.4	2.3
Padidan	40.0	40.5	203.3	60	0.0	2.7	0.0	2.3	4.6
Panjgur	40.9	43.5	201.5	35	0.0	1.1	0.4	4.9	10.0
Parachinar	33.4	37.0	140.7	53	74.8	2.4	3.4	3.0	5.3
Pasni	34.3	35.0	***	77	0.0	5.3	3.9	1.4	6.0
Pattan	36.6	41.5	***	51	15.0	2.5	3.9	0.0	0.0
Peshawar	37.1	41.5	***	57	0.3	3.3	3.6	1.7	2.8
Quetta	39.0	40.0	***	25	0.1	0.6	3.4	0.0	2.0
R.Y.Khan	42.2	43.2	213.1	66	29.0	1.3	0.4	6.0	6.9
Rawalakot	28.2	29.7	123.4	82	108.0	4.0	3.6	0.3	1.7
Rohri	41.9	42.5	214.3	54	0.0	1.4	0.0	3.4	3.7
Sahiwal	39.8	41.2	200.2	53	22.0	1.7	1.1	2.6	3.4
Saidu Sharif	33.2	38.5	157.8	65	117.0	3.4	2.6	0.0	0.0
Sialkot	37.7	41.2	185.8	61	25.1	5.7	3.1	3.1	2.3
Sibbi	42.7	43.5	208.5	54	0.0	0.6	1.1	0.0	0.0
Skardu	31.3	35.7	128.3	33	0.1	3.7	3.7	0.0	3.6
Zhob	38.1	40.5	183.0	41	16.0	0.6	5.1	5.6	14.1

\*\*\* Data not available