

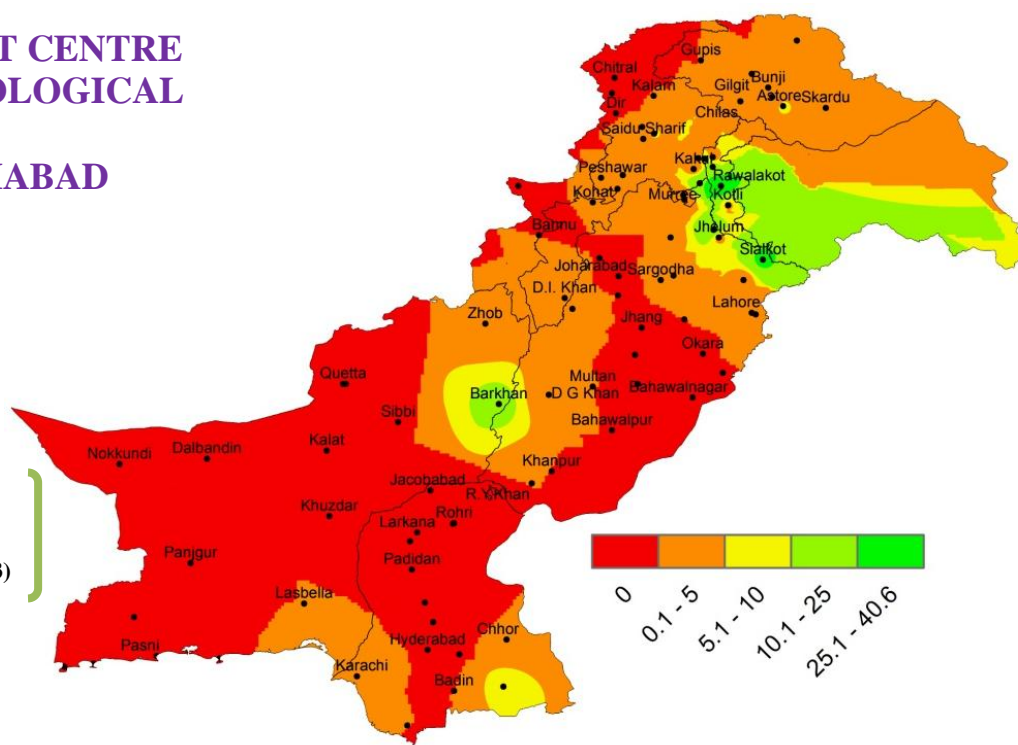
# Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall distribution (mm) during the  
Last week (from 17<sup>th</sup> to 23<sup>rd</sup> June, 2013)**



## Contents

Highlights of past weather (General)	1-2
Past weather for Agri Plains	3-4
Crop progress	4
Min Temperature maps	5
R. H & GDD	6
Cloudiness maps	7
Wind speed maps	8
Farmers advisory	9
National data for selected stations	10-12

## Highlights of Past Weather 17<sup>th</sup> to 23<sup>th</sup> June, 2013)

Light to Moderate rainfall occurred at few places in Punjab and most parts of the Northern Areas & Gilgit Baltistan region. Whereas light rainfall reported from some places in Khyber Pakhtunkhwa, Sindh and Balochistan Provinces.

## ONSET OF MONSOON, 2013

- Onset of monsoon is expected in the country especially over upper Punjab and Kashmir during 29<sup>th</sup> June, 2013. However, monsoon currents are going to enter in the country from Friday night.
- Expected Ramazan will be hot and dry. Less rains are expected during month of Ramazan.

**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 few places of the province during the week. Weekly maximum temperature and minimum temperature recorded as 39.6 °C & 25.6°C respectively. For the present season on average 196.2 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 2.2/1.0 Knots. During the previous week highest amount of rainfall reported at Sialkot as 29 mm and extreme maximum temperature recorded as 47.0 °C at the Bhakkar.

**Sindh**

Light rainfall reported from few places in the province during the week. Weekly maximum temperature and minimum temperature recorded as 39.9 °C & 28.1°C respectively. For the present season on average 201.2 growing degree days accumulated by the end of last week. Average relative humidity recorded as 56% and wind speed in the morning/evening recorded as 4.9/1.6 Knots. During the previous week highest amount of rainfall reported at Mithi as 8.0 mm and Extreme maximum temperature recorded as 44.2°C at Dadu.

**Khyber Pakhtunkhwa**

Light rainfall reported from few places of the agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 35.3°C & 19.9°C respectively. For the present season on average 157.9 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 0.8/1.7 Knots. During the previous week the highest rainfall recorded at Malamjaba as 6.0 mm and extreme maximum temperature recorded as 44.5 °C at Risalpur.

**Balochistan**

Rainfall reported from only one station “Barkhan” as 13.0 mm during the week. Weekly maximum temperature and minimum temperature recorded as 37.8°C & 24.0 °C respectively. For the present season on average 185.1 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 1.8/1.0 Knots. During the previous week extreme maximum temperature recorded as 46.8 °C at Dalbandin.

**Gilgit Baltistan and Azad Jammu & Kashmir**

Light to moderate rainfall reported from most of the agricultural plains of the region during the week. Weekly maximum temperature and minimum temperature recorded as 33.4°C & 16.7°C respectively. For the present season on average 140.7 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 0.8/2.4 Knots. During the previous week the highest rainfall recorded at Rawalakot as 41.1 mm and extreme maximum temperature recorded as 47.7°C at Chilas.

**Past Weather for Major Agricultural Plains  
(from 17<sup>th</sup> to 23<sup>rd</sup> June, 2013)****Rawalpindi (Potohar region)**

No rainfall reported during the week however cloudiness in the morning/evening 1.2/1.0 Oktas while average relative humidity observed as 43 %. Mean day time temperature recorded as 38.6 °C & for the present season 187.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.5/2.1 Km/h.

**Faisalabad (Central Punjab)+**

No rainfall reported during the week however cloudiness in the morning/evening as 3.1/3.0 Oktas while average relative humidity observed as 44%. Mean day time temperature recorded as 39.5 °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 0.6/0.4 Km/h.

**Tandojam (Lower Sindh)**

No rainfall reported during the week, however cloudiness in the morning/evening as 0.8/1.8 Oktas while average relative humidity observed as 62%. Mean day time temperature recorded as 38.2 °C & for the present season 195.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.4/7.5 Km/h.

**Quetta (Northern Balochistan)**

No rainfall reported during the week however cloudiness in the morning/evening as 2.6/4.8 Oktas while average relative humidity observed as 52%. Mean day time temperature observed as 43.3°C & for the present season 209.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.4/0.6 Km/h.

**Usta Muhammad (Eastern Balochistan)**

No rainfall reported during the week, however cloudiness in the morning/evening as 2.6/4.8 Oktas while average relative humidity observed as 52%. Mean day time temperature recorded as 43.3°C & for the present season 209.3 growing degree days

accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.4/0.6 Km/h.

**Past Weather for sub regional Agri-cultural  
Plains (from 17<sup>th</sup> to 23<sup>rd</sup> June, 2013)****Rohri**

No rainfall reported during the week however cloudiness in the morning/evening as 1.2/0.8 Oktas while average relative humidity observed as 48%. Mean day temperature recorded as 41.8°C & for the present season 217.0 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 2.3/3.0 Knots.

**Multan**

No rainfall reported during the week however cloudiness in the morning/evening as 2.2/1.0 Oktas while average relative humidity observed as 48%. Mean day temperature recorded as 40.0°C & for the present season 206.8 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 6.7/6.6 Knots.

**Lahore**

Light rain reported as 0.3 mm during the week however cloudiness in the morning/evening as 0.4/0.3 Oktas while average relative humidity observed as 52%. Mean day time temperature recorded as 39.3°C & for the present season 194.5 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 2.0/4.6 Knots.

**Zhob**

No rainfall reported during the week however cloudiness in the morning/evening as 1.0/1.5 Oktas while average relative humidity observed as 33%. Mean day temperature recorded as 37.6°C & for the present season 175.8 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 4.8/5.0 Knots.

**D.I. Khan**

Rainfall reported as 0.1 mm during the week however cloudiness in the morning/evening as 1.9/0.0 Oktas while average relative humidity observed as 50%. Mean day temperature 40.1.0 C & for the present season 195.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/0.6 Knots.

**Peshawar**

No rainfall reported during the week however cloudiness in the morning/evening as 1.4/2.3 Oktas while average relative humidity observed as 53%. Mean day temperature recorded as 38.5°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 1.2/2.0 Knots.

**Murree**

Rainfall reported as 25.0 mm during the week however cloudiness in the morning/evening as 1.1/1.9 Oktas while average relative humidity observed as 62%. Mean day temperature recorded as 27.1°C & for the present season 116.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/2.3 Knots.

**Kalam**

No rainfall reported during the week however cloudiness in the morning/evening as 1.4/3.1 Oktas while average relative humidity observed as 44%. Mean day temperature recorded as 27.6°C & for the present season 103.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.3 Knots.

**Gilgit**

No rainfall reported during the week, however cloudiness in the morning/evening as 2.3/3.0 Oktas

while average relative humidity observed as 39%. Mean day temperature recorded as 36.3°C & for the present season 141.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 1.7/2.9 Knots.

**Skardu**

No rainfall reported during the week however cloudiness in the morning/evening as 1.7/3.1 Oktas while average relative humidity observed as 31%. Mean day temperature recorded as 29.5 °C & for the present season 110.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.3s 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:** Good condition, *Tillering* completed .

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

**Lower Sindh (Tandojam)**

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

**Cotton(BT-3701):** Good condition at *Budding* .

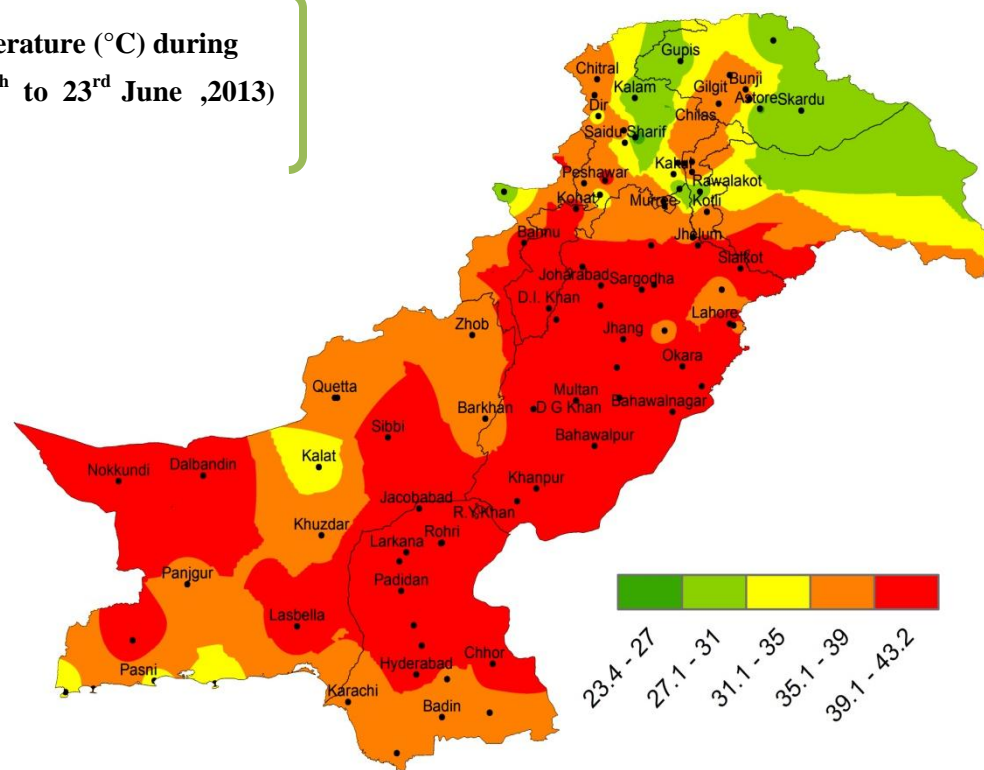
**Northern Balochistan (Quetta)**

There is presently no crop in the fields.

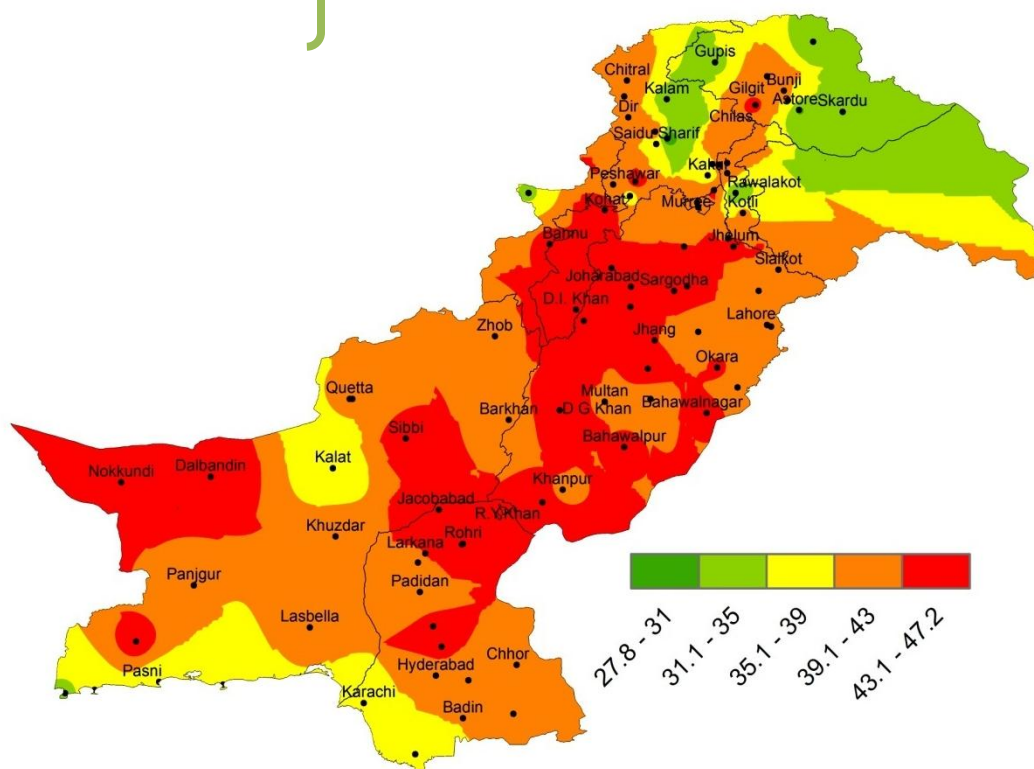
**Eastern Balochistan (Usta Muhammad)**

**Rice :** Good condition ,*germination* completed.

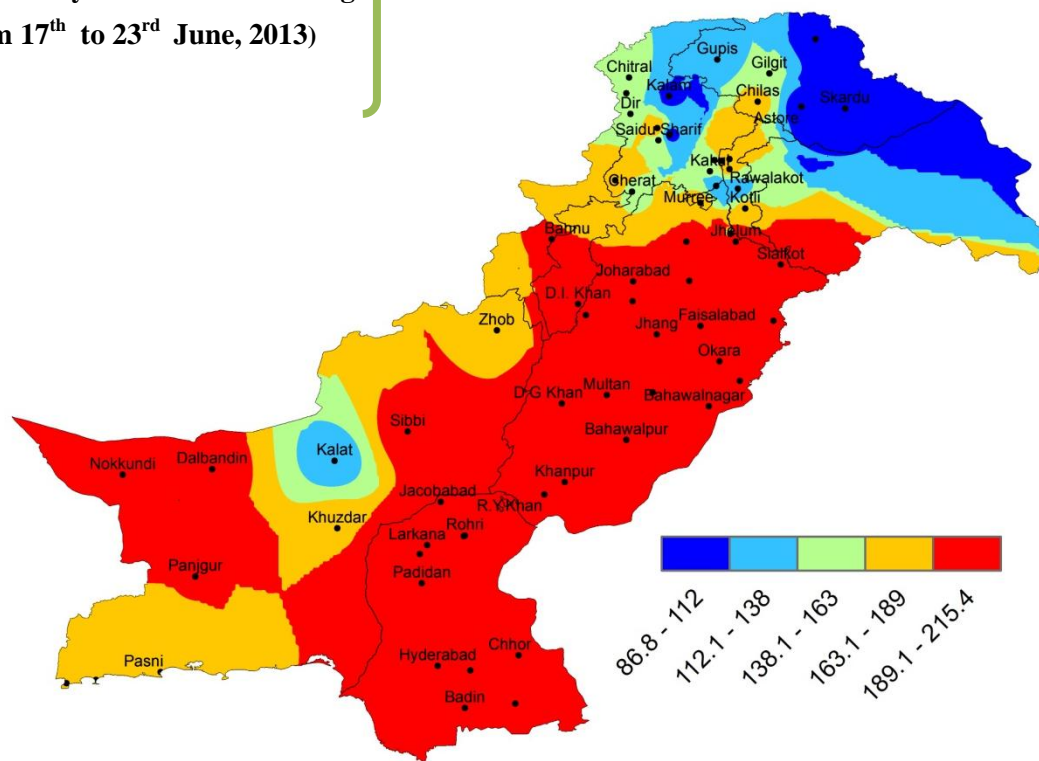
Mean maximum temperature (°C) during  
the last week (from 17<sup>th</sup> to 23<sup>rd</sup> June ,2013)



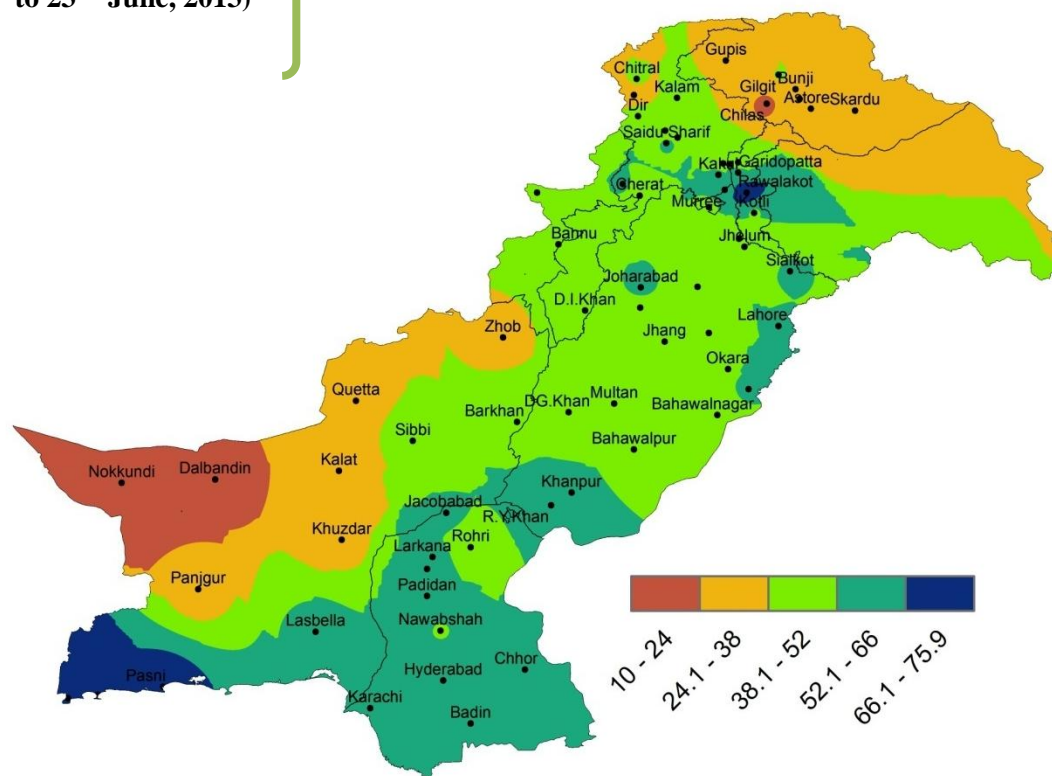
Extreme maximum temperature (°C) during  
the last week (from 17<sup>th</sup> to 23<sup>rd</sup> June, 2013)



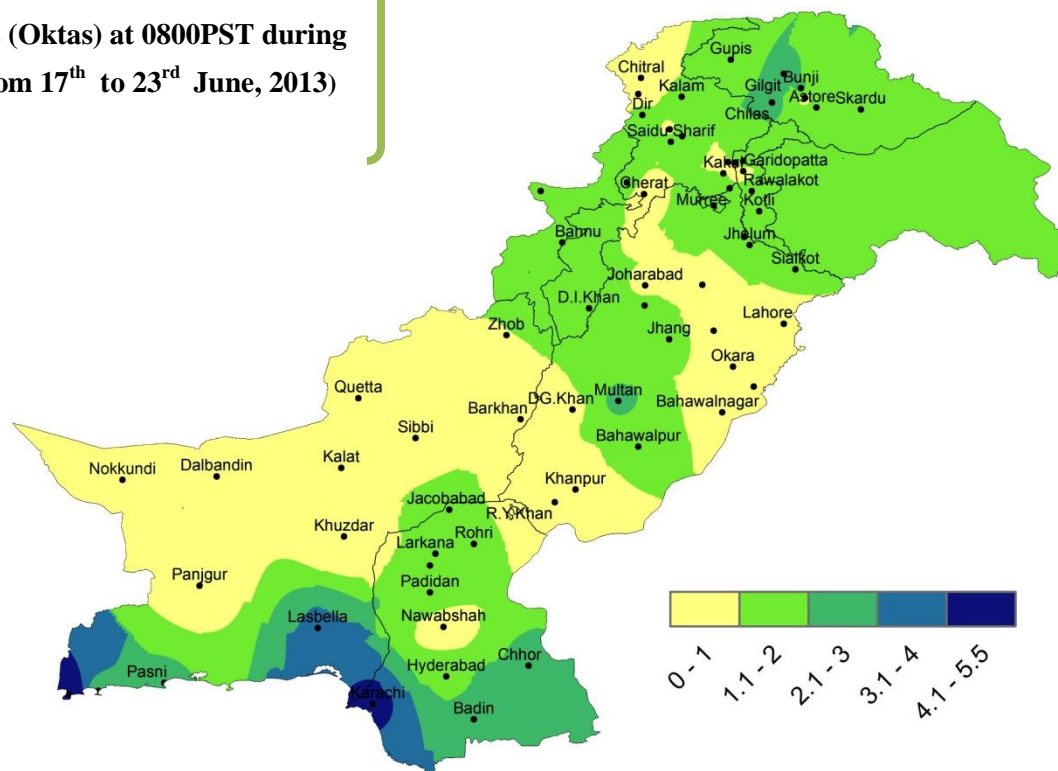
Total growing degree days accumulated during the last week (from 17<sup>th</sup> to 23<sup>rd</sup> June, 2013)



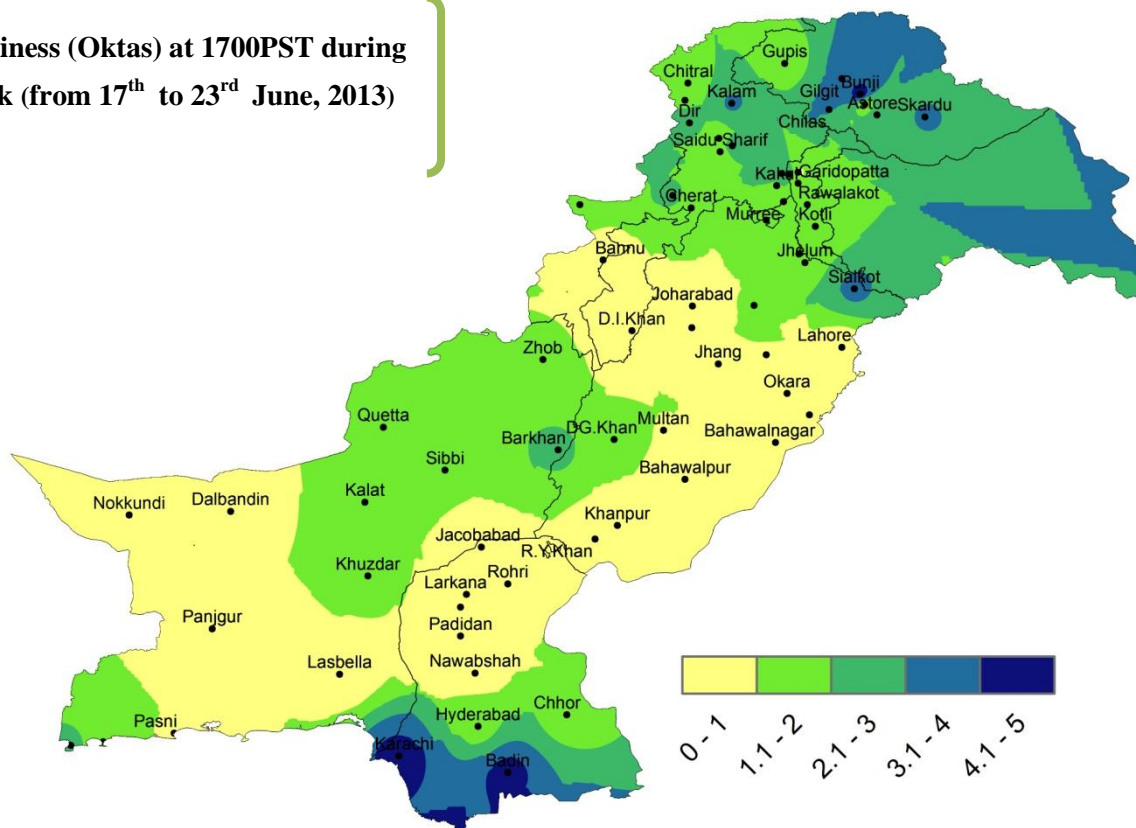
Mean relative humidity (%) during the last week (from 17<sup>th</sup> to 23<sup>rd</sup> June, 2013)



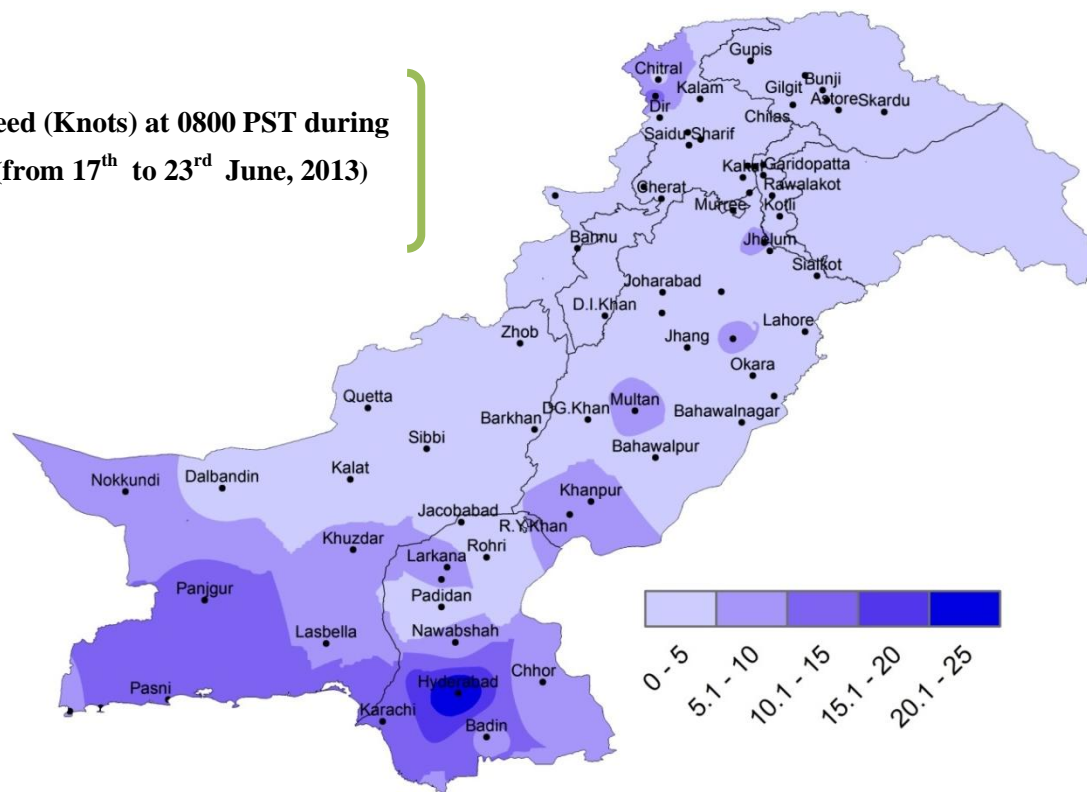
Mean Cloudiness (Oktas) at 0800PST during  
the last week (from 17<sup>th</sup> to 23<sup>rd</sup> June, 2013)



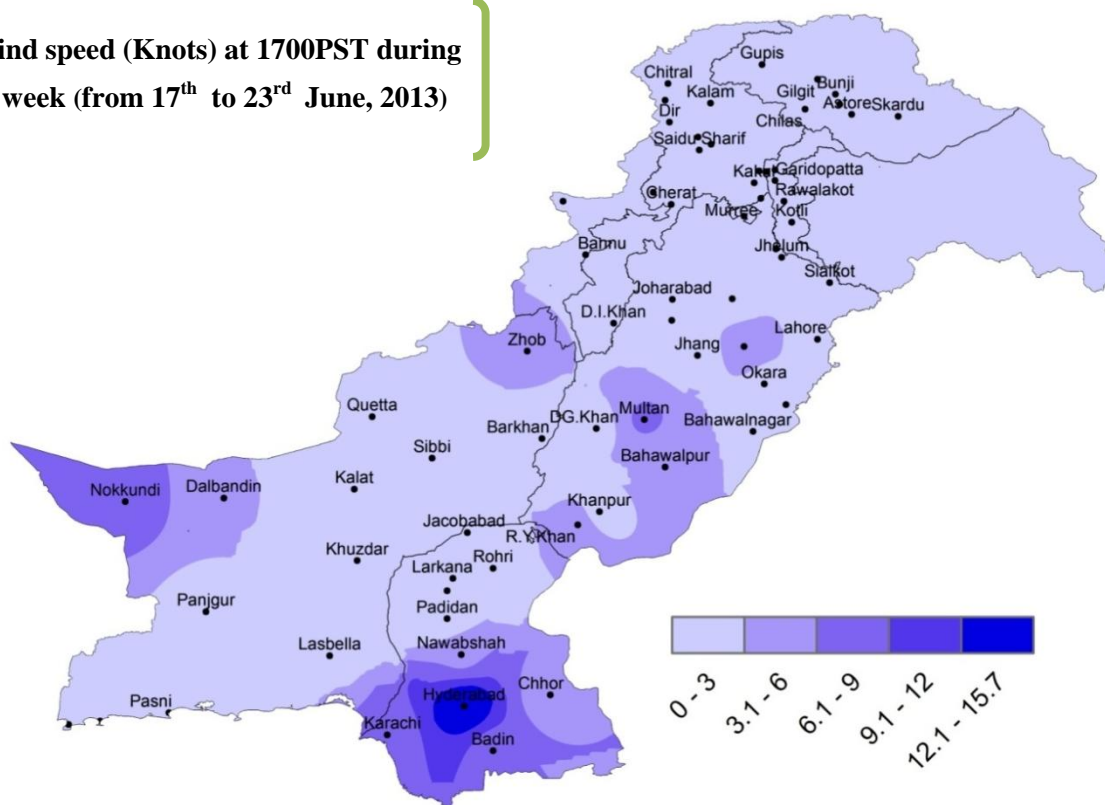
Mean Cloudiness (Oktas) at 1700PST during  
the last week (from 17<sup>th</sup> to 23<sup>rd</sup> June, 2013)



Mean wind speed (Knots) at 0800 PST during  
the last week (from 17<sup>th</sup> to 23<sup>rd</sup> June, 2013)



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



## **Weekly Weather advisory for Farmers (from 24<sup>th</sup> to 30<sup>th</sup> June, 2013)**

Seasonal low lies over northeast Balochistan. A monsoon low has developed over north Bay of Bengal. Monsoon currents from the Arabian Sea & Bay of Bengal are penetrating continuously into upper and eastern parts of the country. A fresh western disturbance is also expected to approach western & upper parts of the country on Friday and likely to persist during weekend.

### **Punjab including Islamabad:**

Mainly Hot and Humid weather is expected in most parts of the province during first half of the week. However, first Monsoon rain-thundershowers associated with gusty winds are expected at isolated to scattered places of upper Punjab including Islamabad from Thursday to Sunday. Isolated thundershower is also likely in north Punjab during Tuesday (night)/Wednesday.

Hot weather conditions would subside and day temperatures are expected to fall from 4 to 5 °C during weekend.

### **Khyber Pakhtunkhwa:**

Mainly Hot and Humid weather is expected in most parts of the province during first half of the week. However, rain-thundershower associated with gusty winds is likely at isolated places of upper KP from Wednesday to Sunday, while, Isolated rain-thundershower is likely in Bannu & D.I.Khan divisions during the weekend. Few heavy falls are also expected in Malakanad & Hazara divisions during the weekend.

Hot weather conditions would subside and day temperatures are expected to fall from 4 to 6 °C during second half of the week.

### **Balochistan:**

Mainly Hot & Humid weather is expected in most part of the province during the week. However, rain-thundershower associated with gusty winds is

likely at isolated places of eastern parts of the province during the weekend.

### **Sindh:**

Hot to very hot and humid weather is expected in most parts of the province during the current week. However, isolated rain dust-thunderstorm with gusty winds is expected in southeastern Sindh during the weekend.

### **Kashmir:**

First Monsoon Rain-thundershowers with gusty winds are expected at isolated places of Kashmir from Monday to Wednesday, while at scattered places from Thursday to Sunday. Hot weather conditions would subside and day temperatures are expected to fall from 4 to 7 °C during second half of the week.

### **Gilgit-Baltistan:**

Mainly dry/Partly cloudy weather is expected in most parts of GB during first half of the week. However, rain-thundershowers are expected at scattered places of GB from Thursday to Sunday. Hot weather conditions would subside and day temperatures are expected to fall from 6 to 8 °C during second half of the week.

### **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 17<sup>th</sup> to 23<sup>rd</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	Heighest							
Astore	26.1	30.2	86.7	38	6.0	1.6	2.9	1.4	2.3
Badin	38.0	39.0	194.8	58	0.0	2.8	4.4	7.0	8.9
Bahawalnagar	40.8	43.5	202.9	44	0.0	0.3	0.4	2.6	2.6
Bahawalpur	41.1	43.3	207.1	49	0.0	1.6	0.3	3.7	3.1
Balakot	34.0	38.0	155.7	46	1.1	1.0	2.4	0.0	1.0
Bannu	40.0	44.0	189.6	43	0.0	1.7	0.3	1.1	3.7
Barkhan	37.1	41.0	***	49	13.0	0.0	2.2	0.0	1.3
Bunji	35.1	40.0	***	36	0.2	2.3	5.2	0.3	0.7
Cherat	32.3	37.5	150.5	49	2.0	0.6	1.0	1.7	1.4
Chhor	39.3	40.2	200.3	64	0.0	2.3	1.5	3.3	5.3
Chilas	38.0	43.3	181.5	21	0.1	2.3	3.0	0.9	3.4
Chitral	37.1	42.0	150.1	41	0.0	0.3	1.4	0.6	3.7
D.I.Khan	40.1	44.5	195.1	50	0.1	1.9	0.0	1.7	0.6
Dalbandin	43.2	47.2	207.5	19	0.0	0.0	0.2	3.7	3.7
DG.Khan	42.4	45.4	208.9	47	0.1	0.9	1.4	1.4	3.7
Dir	34.6	39.0	138.3	49	0.0	1.6	2.7	0.0	1.7
Drosh	36.5	41.5	152.3	24	0.0	0.0	1.9	0.0	13.0
Faisalabad	38.7	41.0	194.2	51	0.0	0.8	1.0	5.0	6.3
Garidopatta	37.9	41.0	166.5	59	15.0	0.6	1.0	0.0	0.0
Gawader	35.6	36.0	178.0	68	0.0	2.5	1.7	0.0	12.0
Gilgit	36.3	42.0	141.6	39	0.0	2.3	3.0	1.7	2.9

Gupis	29.8	34.0	115.0	33	0.0	1.1	1.4	2.3	2.0
Hyderabad	39.2	41.0	199.2	57	0.0	1.7	1.7	15.7	25.0
Islamabad	38.3	41.8	187.8	48	0.1	1.8	1.4	0.3	2.9
Jacobabad	42.4	44.0	214.0	53	0.0	1.2	0.5	1.0	3.3
Jhang	39.5	43.0	196.5	52	0.0	1.1	0.9	1.1	0.9
Jhelum	40.4	43.4	201.1	46	2.0	1.0	1.7	0.3	3.1
Jiwani	33.5	34.5	177.0	71	0.0	5.5	2.2	2.0	8.0
Joharabad	40.1	43.0	199.3	53	0.0	0.9	0.6	0.6	2.3
Kakul	32.6	36.0	143.0	54	1.0	1.0	1.9	0.0	1.1
Kalam	27.6	33.0	103.2	44	0.0	1.4	3.1	0.0	2.3
Kalat	33.1	35.5	113.8	29	0.0	0.0	1.5	0.3	2.0
Karachi	35.3	35.6	***	64	0.1	4.3	4.4	6.7	11.7
Khanpur	40.9	42.5	202.5	52	0.0	0.3	0.6	2.3	5.4
Khuzdar	38.6	41.0	186.5	32	0.0	0.0	1.7	0.0	6.3
Kotli	37.1	39.6	179.5	50	3.0	1.3	1.1	2.0	1.1
Lahore	39.3	43.0	194.5	52	0.3	0.4	0.3	2.0	4.6
Larkana	41.4	43.0	209.9	53	0.0	1.2	0.8	3.0	6.7
Lasbella	40.1	41.0	***	58	0.0	3.2	0.0	1.6	10.0
Lower Dir	38.9	42.5	189.3	38	0.0	0.9	1.0	2.6	2.6
M.B Din	41.0	44.0	201.9	50	4.0	0.7	1.1	1.4	2.0
Malam Jabba	23.1	27.5	88.0	52	6.0	1.6	3.0	0.0	0.6
Mangla	38.2	43.0	187.5	49	22.0	1.3	1.4	2.6	7.1
Mir Khani	36.2	39.5	***	35	0.0	0.6	0.6	0.0	2.7
Moinjodaro	41.3	43.0	203.2	56	0.0	1.0	0.0	3.0	5.3
Multan	40.0	42.5	206.8	48	0.0	2.2	1.0	6.7	6.6

Murree	27.1	43.5	116.7	62	25.0	1.1	1.9	1.7	2.3
Muzaffarabad	37.7	41.6	172.5	55	11.0	0.9	2.9	0.0	2.1
Nawabshah	42.1	43.5	***	52	0.0	0.3	0.8	5.0	7.5
Nokkundi	43.0	46.5	214.1	10	0.0	0.0	0.0	8.3	5.4
Noorpurthal	42.0	46.5	206.0	49	0.0	1.1	0.4	0.3	1.4
Okara	40.2	43.3	199.2	52	0.0	0.9	0.9	2.0	1.7
Padidan	39.9	41.0	201.3	58	0.0	2.0	0.0	1.3	2.0
Panjgur	38.4	39.5	190.0	30	0.0	0.0	0.0	1.0	12.7
Parachinar	29.8	34.6	***	42	0.0	1.3	1.5	3.0	3.2
Pasni	34.3	35.0	182.5	75	0.0	2.2	0.8	2.0	11.0
Pattan	37.5	41.5	177.5	39	0.0	1.7	0.7	0.3	0.6
Peshawar	38.5	42.0	188.8	53	0.0	1.4	2.3	1.2	2.0
Quetta	35.9	39.0	***	34	0.0	0.0	1.3	0.0	0.9
R.Y.Khan	42.1	44.4	207.3	57	0.0	0.0	0.7	4.0	7.0
Rawalakot	28.2	30.6	112.7	76	41.1	1.6	2.0	0.0	1.1
Rohri	41.8	43.0	217.0	48	0.0	1.2	0.8	2.3	3.0
Sahiwal	39.3	41.5	190.2	53	0.0	0.4	0.9	2.0	2.3
Saidu Sharif	35.0	38.5	160.8	55	0.2	1.1	1.1	0.0	0.0
Sialkot	39.8	42.7	195.5	53	29.0	1.3	3.3	0.7	2.6
Sibbi	42.8	45.0	209.8	44	0.0	0.7	1.3	0.0	0.0
Skardu	29.5	34.6	110.5	31	0.0	1.7	3.1	0.0	2.3
Zhob	37.6	41.5	175.8	33	0.0	1.0	1.5	4.8	5.0

\*\*\* Data not available