

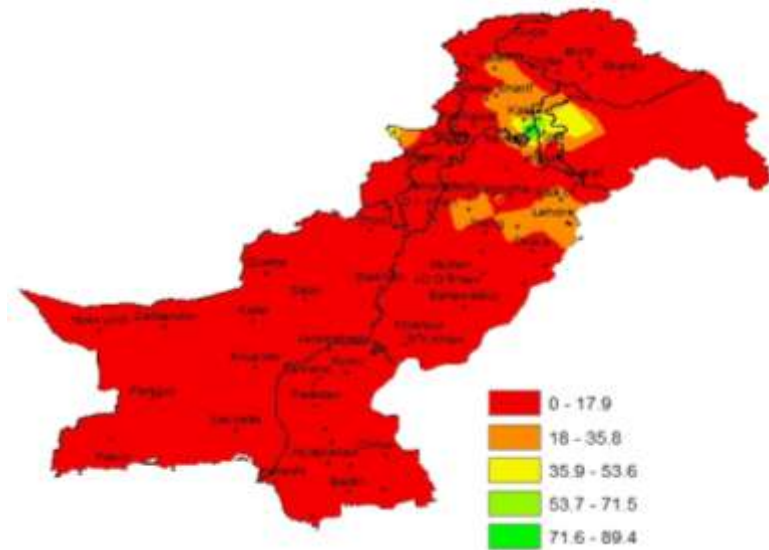
# Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the  
Previous Week (from 23<sup>rd</sup> to 29<sup>th</sup> May, 2016)**



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## Highlights of Past Weather (from 23<sup>rd</sup> to 29<sup>th</sup> May, 2016)

Slightly above normal day time temperature was reported from most parts of Punjab and Sindh while normal temperature was reported in the remaining parts of the country during the week.

Province wise distribution of rainfall reported as follows:

- Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa, Punjab, and Gilgit-Baltistan & Kashmir regions.
- Light rainfall reported only at single station (Khuzdar=1.1mm) in Balochistan.
- Dry weather was reported in Sindh.

**Patron-in-Chief: Dr. Ghulam Rasul (Director General)**

**Chief Editor: Ch. Muhammad Aslam (Director)**

**Editor: Asma Jawad Hashmi (Deputy Director)**

**Past Weather of Provinces (from 23<sup>rd</sup> to 29<sup>th</sup> May, 2016)****Punjab**

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 39.4°C & 24.9°C respectively. For the present season average 189.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 45% and wind speed in the morning/evening recorded 3.2/3.8 Knots. During the previous week the highest amount of rainfall was recorded 89.9mm at Murree & highest maximum temperature recorded 48.4°C at R.Y. Khan.

**Sindh**

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 42.1°C & 27.4°C respectively. For the present season average 207.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 49% and wind speed in the morning/evening recorded 8.7/10.8 Knots. During the previous week the highest maximum temperature recorded 49.5°C at Larkana.

**Khyber Pakhtunkhwa**

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 33.4°C & 18.8°C respectively. For the present season average 147.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 52% and wind speed in the morning/evening recorded 1.1/3.2 Knots. During the previous week the highest amount of rainfall was recorded 37.0mm at Parachinar & the highest maximum temperature recorded 43.0°C at D.I.Khan.

**Balochistan**

Light rainfall reported only at single station (Khuzdar = 1.1mm) in Balochistan during the week. Weekly maximum and minimum temperatures recorded 38.0°C & 23.9°C respectively. For the present season average 184.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 41% and wind speed in the morning/evening recorded 1.9/7.9 Knots. During the previous week the highest maximum temperature recorded 48.0°C at Sibbi.

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

Light to moderate rainfall reported at many places in Gilgit-Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 27.7°C & 15.1°C respectively. For the present season average 110.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 54% and wind speed in the morning/evening recorded 1.1/2.4 Knots. During the previous week the highest amount of rainfall was recorded 71.8mm at Garidopatta & highest maximum temperature recorded 39.2°C at Kotli.

### Past Weather for Major Agricultural Plains (from 23<sup>rd</sup> to 29<sup>th</sup> May, 2016)

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

Rainfall reported as 17.4mm during the week; however cloudiness in the morning/evening recorded 1.1/2.1 Oktas while, average relative humidity observed as 43%. Mean day time temperature recorded 37.8°C & for the present season 179.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/1.6 Knots.

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

Rainfall reported as 39.8mm during the week; however cloudiness in the morning/evening recorded 1.4/0.9 Oktas while, average relative humidity observed as 48%. Mean day time temperature recorded 38.8°C & for the present season 190.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.8 Knots.

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

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.0 Oktas while, average relative humidity observed as 59%. Mean day time temperature recorded 39.1°C & for the present season 192.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.6/8.6 Knots.

#### **Quetta (Northern Baluchistan)**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.0/1.4 Oktas while, average relative humidity observed as 17%. Mean day time temperature recorded 32.4°C & for the present season 148.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.6/5.0 Knots.

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

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.1/0.0 Oktas while, average relative humidity observed as 60%. Mean day time temperature recorded 49.3°C & for the present season 236.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.1/3.8 Knots.

### Past Weather for Sub-Regional Agricultural Plains (from 23<sup>rd</sup> to 29<sup>th</sup> May, 2016)

#### **Multan**

Rainfall reported as 2.5mm during the week; however cloudiness in the morning/evening recorded 0.7/1.7 Oktas while, average relative humidity observed as 42%. Mean day time temperature recorded 40.6°C & for the present season 205.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 8.9/3.1 Knots.

#### **Lahore**

Rainfall reported as 30.6mm during the week however cloudiness in the morning/evening recorded 2.3/0.1 Oktas while, average relative humidity observed as 39%. Mean day time temperature recorded 38.4°C & for the present season 188.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/4.6 Knots.

#### **Zhob**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.3/1.3 Oktas while, average relative humidity observed as 25%. Mean day time temperature recorded 36.2°C & for the present season 170.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/9.6 Knots.

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

Rainfall reported as 13.0mm during the week; however cloudiness in the morning/evening recorded 0.4/1.3 Oktas while, average relative humidity observed as 49%. Mean day time temperature recorded 40.2°C & for the present season 197.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.7 Knots.

**Peshawar**

Rainfall reported as 0.2mm during the week; however cloudiness in the morning/evening recorded 1.0/3.1 Oktas while, average relative humidity observed as 49%. Mean day time temperature recorded 38.5°C & for the present season 178.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/5.4 Knots.

**Murree**

Rainfall reported as 89.9mm during the week; however cloudiness in the morning/evening recorded 2.7/3.1 Oktas while, average relative humidity observed as 62%. Mean day time temperature recorded 24.4°C & for the present season 95.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.1/1.4 Knots.

**Kalam**

Rainfall reported as 23.2mm during the week; however cloudiness in the morning/evening recorded 2.3/4.3 Oktas while, average relative humidity observed as 57%. Mean day time temperature recorded 24.6°C & for the present season 82.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.1 Knots.

**Gilgit**

Rainfall reported as 12.2mm during the week; however cloudiness in the morning/evening recorded 5.3/6.3 Oktas while, average relative humidity observed as 57%. Mean day time temperature recorded 27.3°C & for the present season 102.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/4.6 Knots.

**Skardu**

Rainfall reported as 5.9mm during the week; however cloudiness in the morning/evening recorded 5.1/7.0 Oktas while, average relative humidity observed as 45%. Mean day time temperature recorded 23.3°C & for the present season 78.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/4.7 Knots.

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

There is presently one crop (irrigated condition) grown in the fields of RAMC Rawalpindi.

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

**Central Punjab (Faisalabad)**

There is presently one crop (irrigated condition) grown in the fields of RAMC Faisalabad.

**Cotton:** Very good condition at *Third leaf* stage.

**Lower Sindh (Tandojam)**

There is presently one crop (irrigated condition) grown in the fields of RAMC Tandojam.

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

**Northern Balochistan (Quetta)**

There is presently one crop (irrigated condition) grown in the fields of RAMC Quetta.

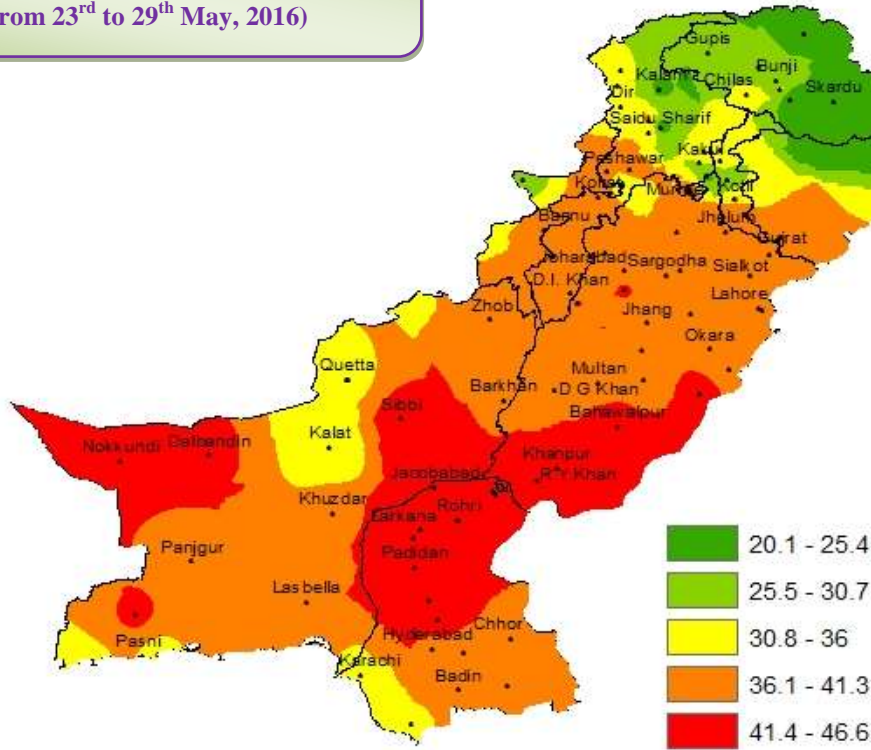
**Wheat:** Good condition at *Wax Maturity* stage.

**Eastern Balochistan (Usta Muhammad)**

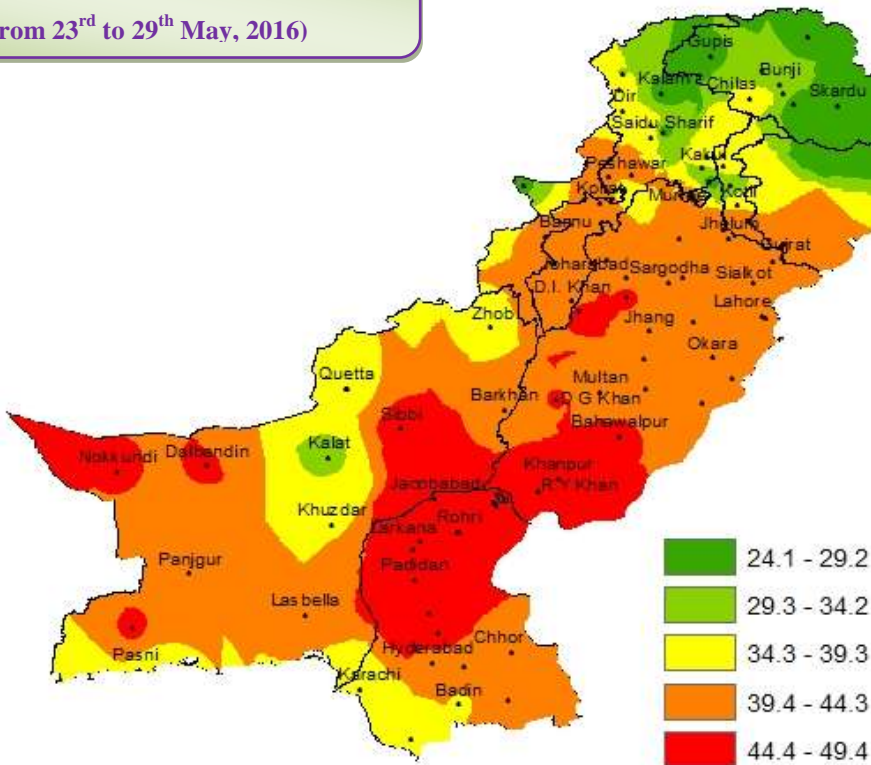
The fields of RAMC Usta Muhammad are being prepared for rice.



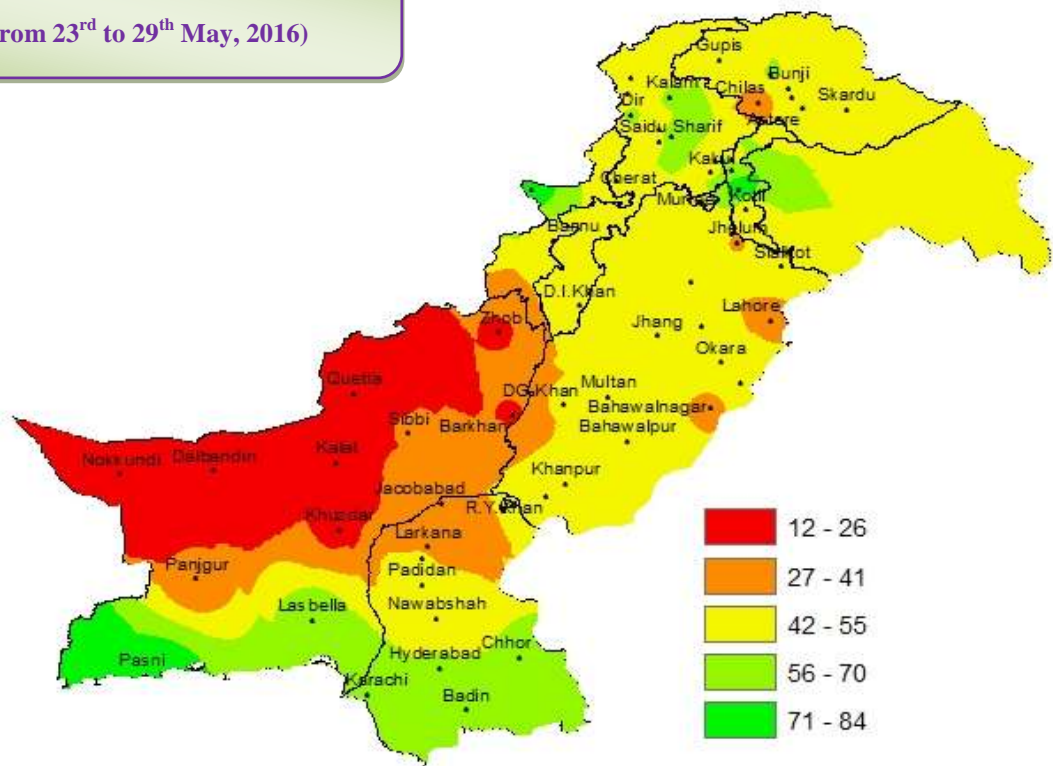
Mean Maximum Temperature (°C) during the Previous week (from 23<sup>rd</sup> to 29<sup>th</sup> May, 2016)



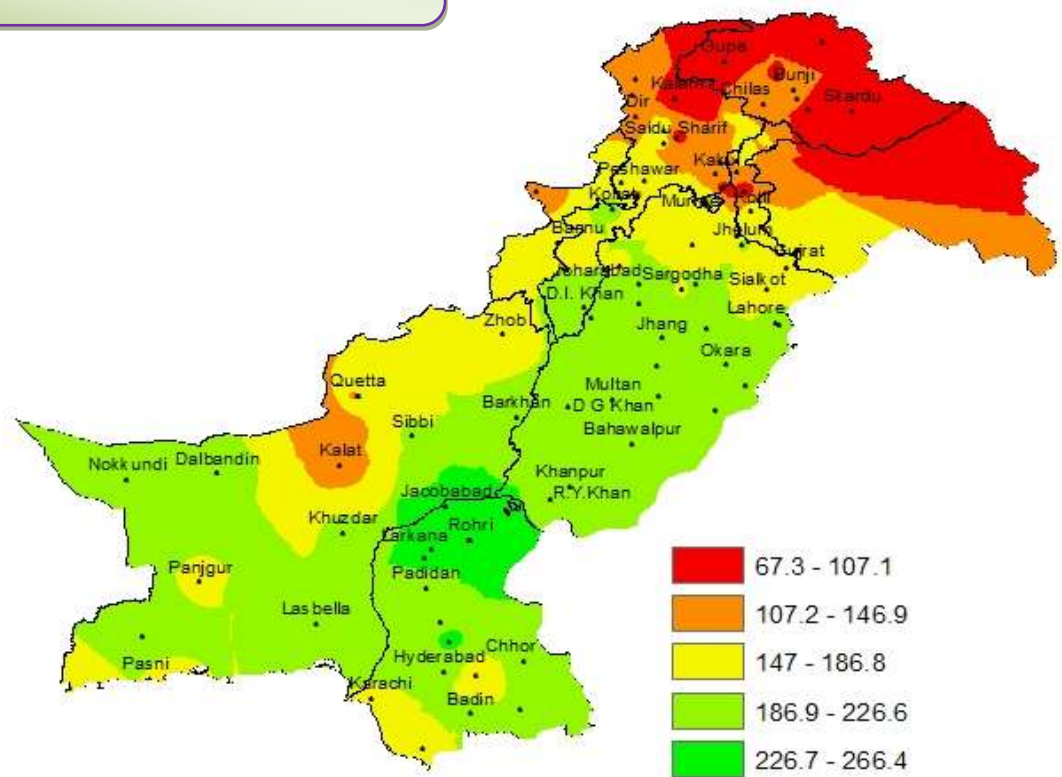
Highest Maximum Temperature (°C) during the Previous week (from 23<sup>rd</sup> to 29<sup>th</sup> May, 2016)



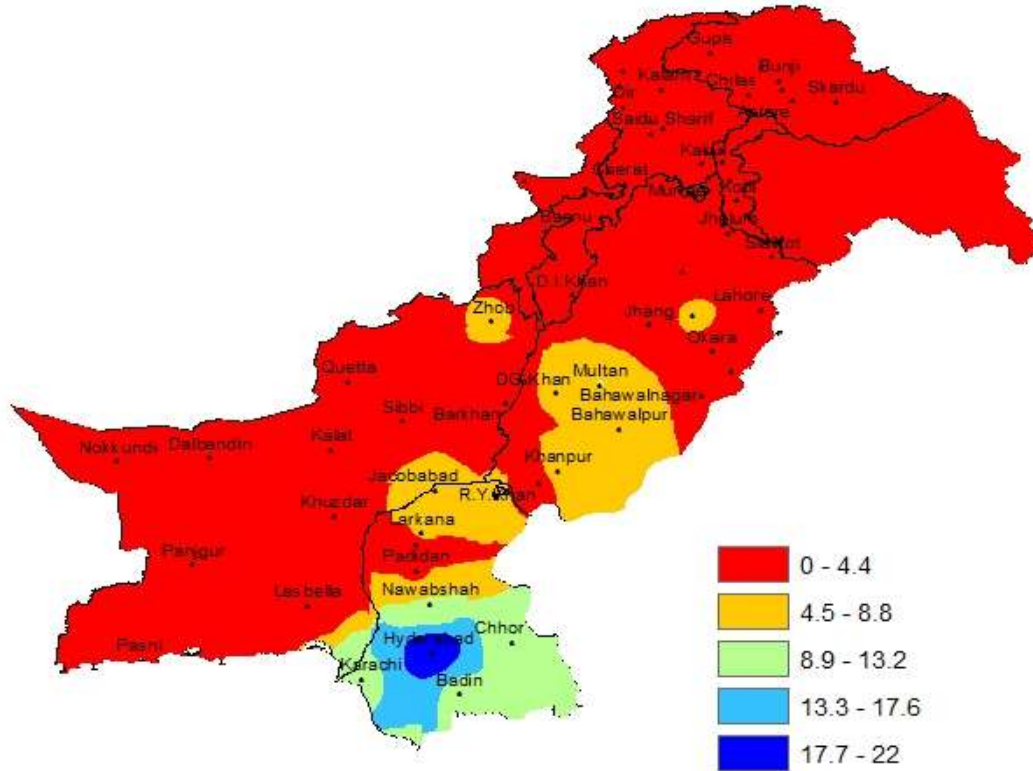
Mean Relative Humidity (%) during the Previous week (from 23<sup>rd</sup> to 29<sup>th</sup> May, 2016)



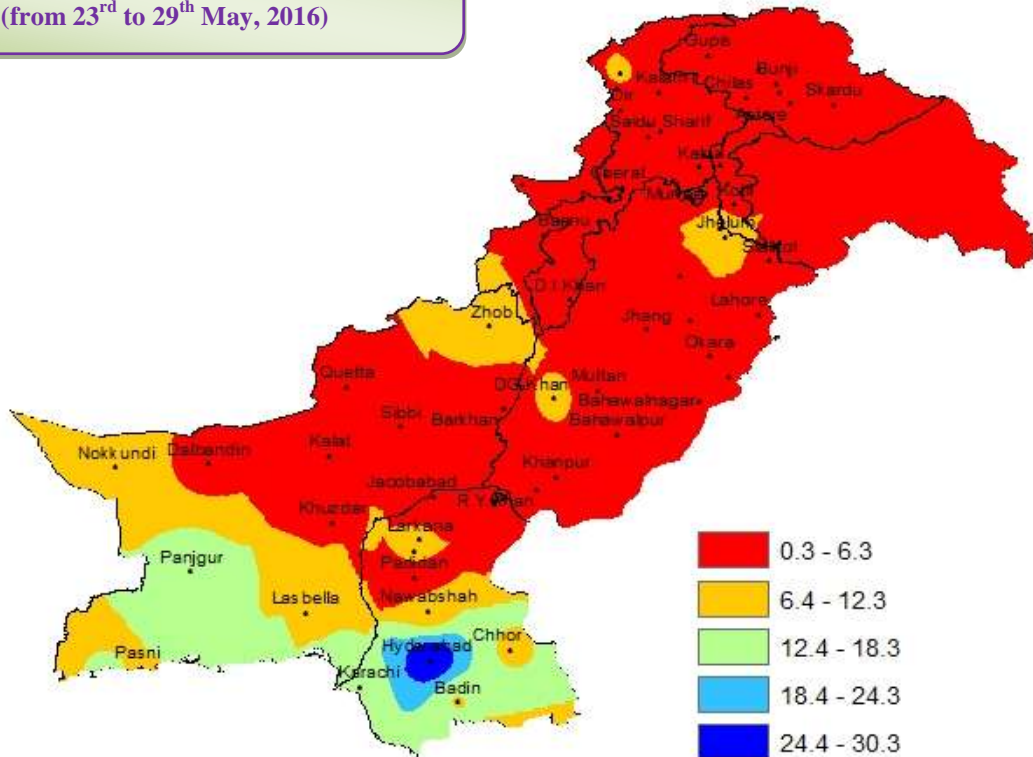
Total Growing Degree Days accumulated during the Previous week (from 23<sup>rd</sup> to 29<sup>th</sup> May, 2016)



Mean Wind Speed (Knots) at 0300 PST during the Previous week (from 23<sup>rd</sup> to 29<sup>th</sup> May, 2016)

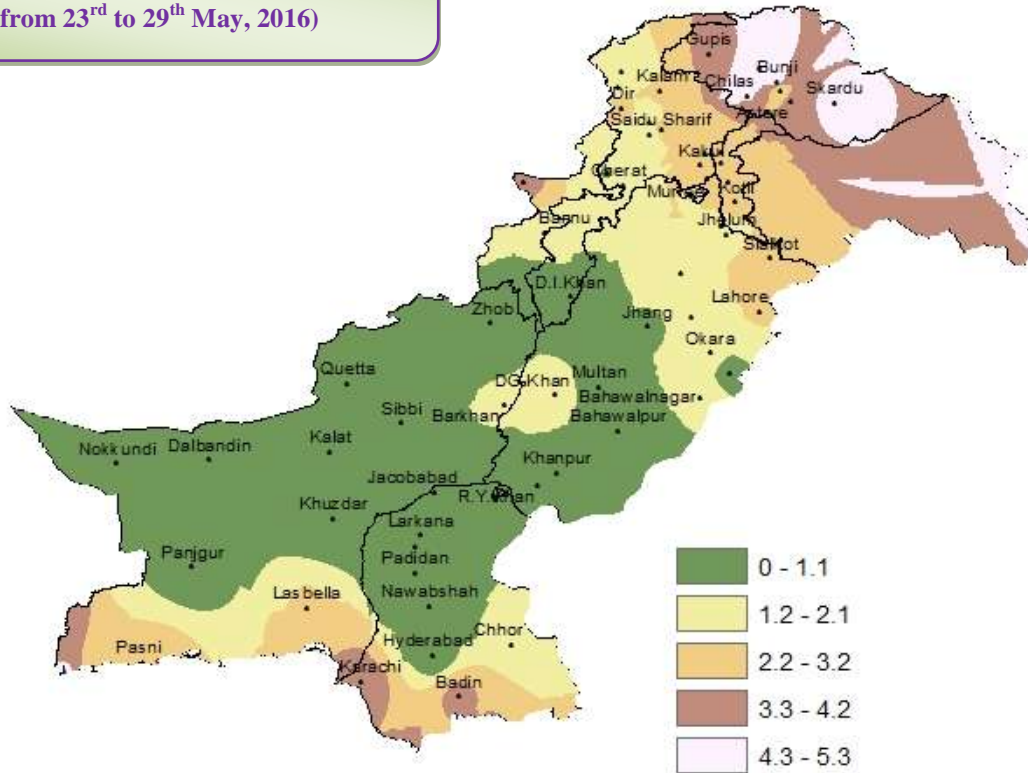


Mean Wind Speed (Knots) at 1200 PST during the Previous week (from 23<sup>rd</sup> to 29<sup>th</sup> May, 2016)

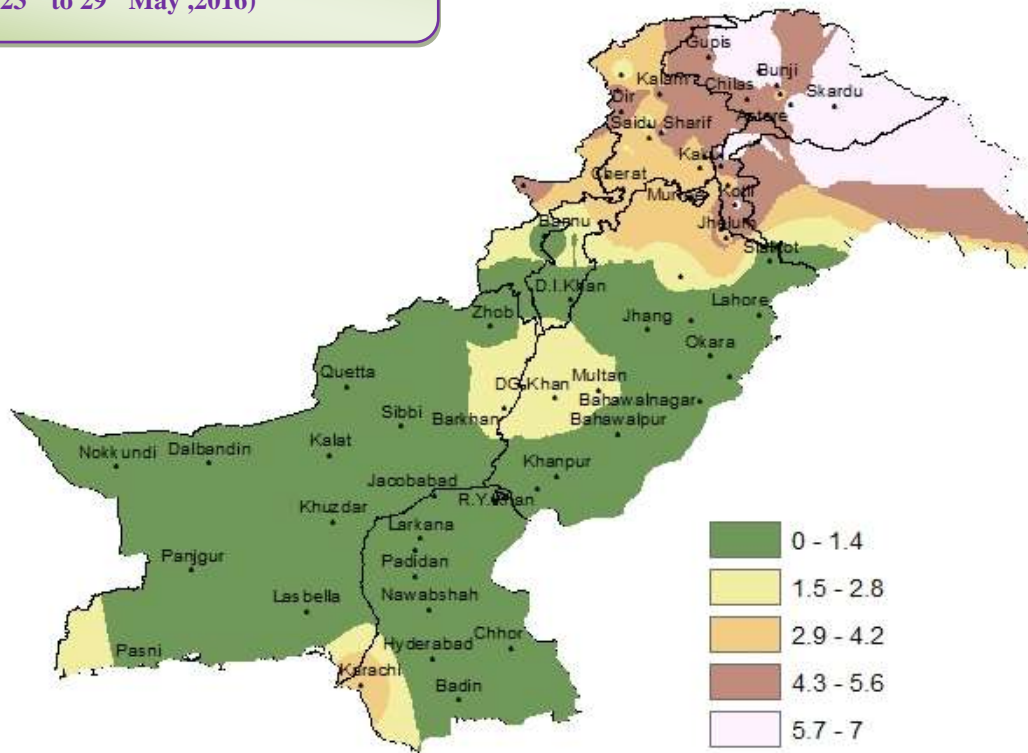




Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 23<sup>rd</sup> to 29<sup>th</sup> May, 2016)



Mean Cloudiness (Oktas) at 1200 PST during the Previous week (23<sup>rd</sup> to 29<sup>th</sup> May, 2016)





**Weekly Weather Advisory for Farmers****(from 30<sup>th</sup> May to 5<sup>th</sup> June, 2016)**

Seasonal low pressure area lies over central parts of country and its adjoining areas. A shallow westerly wave is affecting Kashmir and its adjoining areas of northeast Punjab and likely to affect during next 24 hours. Another westerly wave is likely to enter over western parts of the country on Wednesday (night) and likely to affect upper parts of the country till Friday. The same weather system will affect northern parts and its adjoining areas till Saturday.

**MONDAY****30-05-2016**

Mainly hot and dry weather is expected in most parts of the country during day time. However, more rain-thunderstorm/duststorm is expected at few places in Rawalpindi, Gujranwala, Lahore, Sargodha, Hazara, Peshawar, Mardan, Kohat divisions, Islamabad, FATA, Kashmir, and Gilgit-Baltistan during evening/night. Gusty winds/dust raising winds are expected in Mirpurkhas, Sukkar, Shaheed Benazirabad, Hyderabad, Quetta divisions and south Punjab (Multan, Bahawalpur, DG Khan divisions).

**TUESDAY****31-05-2016**

Very hot and dry weather is expected in most parts of the country. However, rain-thunderstorm is expected at one or two places in Kashmir and FATA.

**WEDNESDAY****01-06-2016**

Very hot and dry weather is expected in most parts of the country. However, rain-thunderstorm is expected at few places in Malakand, Peshawar divisions, Kashmir and FATA.

**THURSDAY****02-06-2016**

Very hot and dry weather is expected in most parts of the country. However, rain-thunderstorm with

strong gusty winds is expected at different places in Malakand, Hazara, Peshawar, Mardan, Kohat, Zhob, D.I Khan, Rawalpindi, Gujranwala divisions, FATA, Kashmir and Gilgit-Baltistan.

**FRIDAY****03-06-2016**

Very hot and dry weather is expected in most parts of the country. However, rain-thunderstorm with strong gusty winds is expected at different places in Malakand, Hazara, Peshawar, Mardan, Kohat, Zhob, D.I Khan, Rawalpindi, Gujranwala, Sargodha divisions, FATA, Kashmir and Gilgit-Baltistan.

**SATURDAY****04-06-2016**

Very hot and dry weather is expected in most parts of the country. However, rain-thunderstorm is expected at few places in Malakand, Hazara divisions, FATA, Kashmir and Gilgit-Baltistan.

**SUNDAY****05-06-2016**

Very hot and dry weather is expected in most parts of the country. However, rain-thunderstorm is expected at one or two places in Kashmir.

**ADVISES FOR CROPS**

- ❖ Pest attacks are expected over vegetables & tobacco crops after recent rains. Farmers are advised to take in time precautionary measures in this regard.
- ❖ Removing weeds from the standing crops is very important as weeds utilize moisture and food which may be utilized by the crop. As a result considerable loss in yield occurs every year. However operations against weeds should be started using weedicides or manually when the crop completely covers the fields.
- ❖ Due to hot and dry weather expected during the week, farmers are advised to complete wheat harvesting and other agriculture practices as soon as possible.

**National Weather Data of Selected Cities**  
**(Weekly Data from 23<sup>rd</sup> to 29<sup>th</sup> May, 2016)**

Stations	Maximum/Day time Temperature (°C)		Growing Degree Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Oktas) 0800PST	Cloudiness (Oktas) 1700PST	Wind Speed (Knots) 0800PST	Wind Speed (Knots) 1700PST
	Mean	Highest							
Astore	20.0	24.0	66.5	55	14.8	3.9	6.4	1.4	1.4
Badin	38.0	39.0	194.1	60	0.0	3.6	0.7	11.4	12.0
Bahawalnagar	42.2	43.5	214.5	39	0.0	1.3	0.9	4.3	0.9
Bahawalpur	42.5	45.0	216.5	47	0.0	0.3	0.0	5.4	0.9
Balakot	32.5	35.5	143.4	49	26.1	2.3	3.9	1.0	1.3
Bannu	39.1	42.0	174.3	46	3.0	1.4	1.0	0.9	6.0
Barkhan	39.2	41.0	193.0	25	0.0	1.1	1.6	0.0	1.7
Bunji	27.9	33.3	117.8	47	9.0	5.3	6.0	1.1	2.3
Cherat	31.6	35.0	143.0	45	13.0	1.7	3.9	3.7	3.4
Chhor	39.9	41.5	199.4	58	0.0	1.9	0.0	10.3	11.4
Chilas	32.0	36.5	146.7	34	11.9	4.3	5.0	1.7	3.4
Chitral	31.3	34.0	126.6	47	0.0	1.6	2.1	0.6	6.9
D.I.Khan	40.2	43.0	197.0	49	13.0	0.4	1.3	0.0	1.7
Dalbandin	42.7	44.5	199.5	15	0.0	0.0	0.6	1.7	4.3
DG.Khan	40.8	44.5	203.7	43	11.4	1.4	2.6	5.4	8.0
Dir	30.9	34.5	114.3	58	10.0	2.4	5.3	0.0	2.0
Drosh	32.6	37.0	135.7	40	12.8	1.7	4.7	0.9	6.3
Faisalabad	38.8	41.0	190.2	48	39.8	1.4	0.9	1.1	1.8
Garidopatta	33.3	37.3	138.8	62	71.8	2.1	4.9	1.1	1.7
Gawader	35.3	37.0	182.3	77	0.0	2.4	1.4	0.0	12.9
Gilgit	27.3	31.5	102.3	57	12.2	5.3	6.3	0.0	4.6

Gupis	25.5	28.0	90.3	49	4.0	3.3	5.6	1.1	3.4
Hyderabad	39.0	42.0	193.4	57	0.0	0.0	0.0	22.0	30.3
Islamabad	37.2	40.5	169.5	44	20.1	2.0	3.6	0.3	2.3
Jacobabad	46.4	49.0	234.7	38	0.0	0.2	0.1	5.7	2.6
Jhang	39.3	42.0	188.5	45	11.0	0.9	0.4	0.9	1.7
Jhelum	40.3	43.3	188.3	41	5.8	1.7	4.1	0.6	8.9
Jiwani	33.6	35.5	177.2	79	0.0	4.4	1.9	3.1	10.3
Kakul	30.9	34.0	131.3	52	34.5	2.1	3.1	0.6	1.1
Kalam	24.6	27.0	82.9	57	23.2	2.3	4.3	0.0	1.1
Kalat	30.9	33.0	130.8	20	0.0	0.0	0.0	0.0	1.7
Karachi	34.7	35.5	186.0	70	0.0	4.0	4.0	12.0	14.6
Khanpur	42.8	46.0	213.7	53	0.0	0.6	0.6	4.9	1.4
Khuzdar	38.2	39.0	192.0	23	1.1	0.0	0.7	0.3	5.7
Kotli	36.3	39.2	163.7	45	13.0	2.6	5.7	4.4	2.9
Lahore	38.4	40.5	188.9	39	30.6	2.3	0.1	1.7	4.6
Larkana	46.0	49.5	230.4	36	0.0	0.3	0.4	4.9	6.6
Lasbella	40.1	41.0	200.4	65	0.0	2.3	0.0	0.3	12.0
Lower Dir	37.2	39.5	177.0	44	2.0	1.4	2.1	3.1	3.1
M.B Din	40.1	43.5	191.4	44	2.8	2.0	1.9	0.9	2.3
Malam Jabba	21.3	26.0	83.5	67	24.0	2.7	5.9	0.6	0.3
Mangla	38.9	42.5	183.1	41	22.9	2.0	4.1	1.7	12.0
Mir Khani	31.8	34.5	132.0	53	6.0	1.4	3.3	0.0	3.7
Moinjodaro	46.7	48.5	227.8	43	0.0	0.0	0.4	3.7	7.4
Multan	40.6	43.5	205.4	42	2.5	0.7	1.7	8.9	3.1
Murree	24.4	26.8	95.6	62	89.9	2.7	3.1	3.1	1.4

Muzaffarabad	33.3	36.2	138.0	59	19.0	2.4	4.6	0.6	0.7
Nawabshah	46.1	48.5	221.3	41	0.0	0.4	0.0	9.1	8.6
Nokkundi	42.8	44.5	213.5	12	0.0	0.0	0.6	4.3	8.3
Okara	40.6	42.5	199.8	45	0.0	1.3	1.0	2.6	2.9
Padidan	45.4	47.0	221.3	43	0.0	0.4	0.0	3.7	3.4
Panjgur	39.4	41.0	184.3	29	0.0	0.0	0.0	2.0	16.3
Parachinar	26.4	28.5	112.7	78	37.0	3.7	5.6	3.0	3.3
Pasni	34.3	36.0	179.5	79	0.0	2.7	0.9	1.4	12.3
Pattan	34.7	39.0	157.3	51	16.0	2.3	6.7	0.0	1.1
Peshawar	38.5	42.5	178.9	49	0.2	1.0	3.1	1.7	5.4
Quetta	32.4	35.4	148.9	17	0.0	1.0	1.4	3.6	5.0
R.Y.Khan	45.2	48.4	218.7	44	0.0	0.0	0.0	4.0	4.0
Rawalakot	26.4	31.0	94.5	85	48.2	3.0	3.9	0.3	0.3
Rawalpindi	37.8	40.8	179.8	43	17.4	1.1	2.1	0.7	1.6
Sahiwal	40.1	42.0	195.4	45	1.0	0.9	0.0	2.3	2.3
Saidu Sharif	33.9	37.0	153.5	54	20.2	1.7	2.7	0.0	2.0
Sialkot	37.4	40.8	175.7	44	13.2	3.1	0.4	1.4	1.7
Sibbi	46.1	48.0	191.0	27	0.0	0.9	0.9	2.6	4.3
Skardu	23.3	26.6	78.9	45	5.9	5.1	7.0	0.0	4.7
Tandojam	39.1	41.5	192.8	59	0.0	0.0	0.0	5.6	8.6
Usta.M	49.3	51.8	236.8	60	0.0	0.1	0.0	2.1	3.8
Zhob	36.2	37.5	170.8	25	0.0	0.3	1.3	5.0	9.6

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