

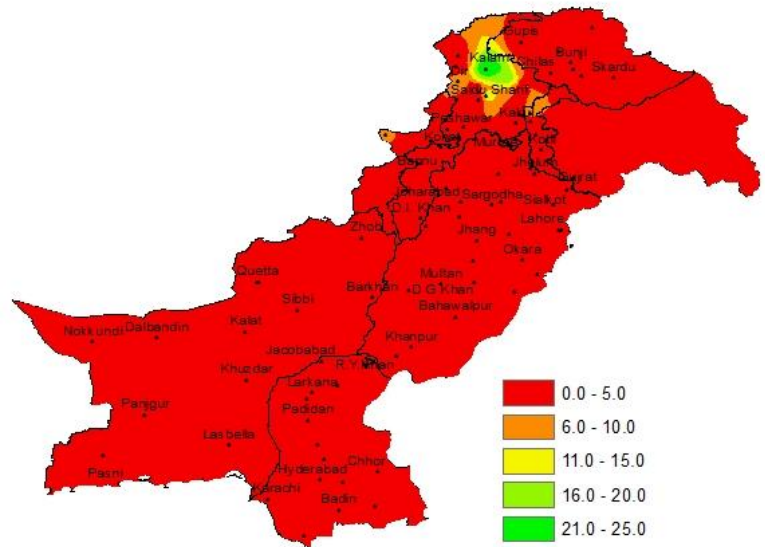
# Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the  
Previous Week (from 25<sup>th</sup> April to 1<sup>st</sup> May, 2016)**



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## Highlights of Past Weather (from 25<sup>th</sup> April to 1<sup>st</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 rainfall reported at few places in Punjab and Gilgit-Baltistan & Kashmir regions.
- Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa.
- Dry weather was reported in Sindh and Balochistan.

**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 25<sup>th</sup> April to 1<sup>st</sup> May, 2016)****Punjab**

Light rainfall reported at few places in Punjab during the week. Weekly maximum and minimum temperatures recorded 38.9°C & 20.1°C respectively. For the present season average 171.8 growing degree days accumulated by the end of last week. Average relative humidity recorded 33% and wind speed in the morning/evening recorded 1.4/3.0 Knots. During the previous week the highest amount of rainfall was recorded 4.0mm at Murree & highest maximum temperature recorded 46.5°C at Okara.

**Sindh**

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 42.1°C & 23.1°C respectively. For the present season average 193.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 37% and wind speed in the morning/evening recorded 3.1/4.9 Knots. During the previous week the highest maximum temperature recorded 46.5°C Nawabshah.

**Khyber Pakhtunkhwa**

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 29.9°C & 13.1°C respectively. For the present season average 115.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 47% and wind speed in the morning/evening recorded 1.3/1.8 Knots. During the previous week the highest amount of rainfall was recorded 23.3mm at Kalam & the highest maximum temperature recorded 43.0°C at D.I.Khan.

**Balochistan**

Dry weather was reported in Balochistan during the week. Weekly maximum and minimum temperatures recorded 35.8°C & 19.9°C respectively. For the present season average 163.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 37% and wind speed in the morning/evening recorded 1.3/5.4 Knots. During the previous week the highest maximum temperature recorded 46.0°C at Turbat.

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

Light rainfall reported at few places in Gilgit-Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 26.6°C & 10.7°C respectively. For the present season average 95.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 38% and wind speed in the morning/evening recorded 1.1/3.7 Knots. During the previous week the highest amount of rainfall was recorded 4.7mm at Muzaffarabad & highest maximum temperature recorded 37.8°C at Kotli.

**Past Weather for Major Agricultural Plains  
(from 25<sup>th</sup> April to 1<sup>st</sup> May, 2016)****Rawalpindi (Potohar region)**

Rainfall reported as 3.4mm during the week; however cloudiness in the morning/evening recorded 0.3/1.7 Oktas while, average relative humidity observed 36%. Mean day time temperature recorded 35.7°C & for the present season 154.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.4/1.7 Knots.

**Faisalabad (Central Punjab)**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.7/1.4 Oktas while, average relative humidity observed as 30%. Mean day time temperature recorded 40.5°C & for the present season 183.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/1.2 Knots.

**Tandojam (Lower Sindh)**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.7 Oktas while, average relative humidity observed as 45%. Mean day time temperature recorded 42.6°C & for the present season 189.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/2.8 Knots.

**Quetta (Northern Baluchistan)**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/3.4 Oktas while, average relative humidity observed as 23%. Mean day time temperature recorded 28.5°C & for the present season 109.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.4/3.1 Knots.

**Usta Muhammad (Eastern Balochistan)**

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 36%. Mean day time temperature recorded 43.4°C & for the present season 189.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/0.0 Knots.

**Past Weather for Sub-Regional Agricultural  
Plains (from 25<sup>th</sup> April to 1<sup>st</sup> May, 2016)****Multan**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.7/1.0 Oktas while, average relative humidity observed as 31%. Mean day time temperature recorded 40.3°C & for the present season 186.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.7/3.1 Knots.

**Lahore**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.3/0.1 Oktas while, average relative humidity observed as 25%. Mean day time temperature recorded 39.8°C & for the present season 181.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.0/6.0 Knots.

**Zhob**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.4/1.9 Oktas while, average relative humidity observed as 19%. Mean day time temperature recorded 31.8°C & for the present season 142.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.3/6.4 Knots.

**D.I. Khan**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/1.1 Oktas while, average relative humidity observed as 50%. Mean day time temperature recorded 40.3°C & for the present season 181.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.0Knots.

**Peshawar**

Rainfall reported as 1.0mm during the week; however cloudiness in the morning/evening recorded 1.3/2.6 Oktas while, average relative humidity observed as 43%. Mean day time temperature recorded 36.0°C & for the present season 153.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/2.3 Knots.

**Murree**

Rainfall reported as 4.0mm during the week; however cloudiness in the morning/evening recorded 0.6/2.0 Oktas while, average relative humidity observed as 33%. Mean day time temperature recorded 23.4°C & for the present season 85.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/0.9 Knots.

**Kalam**

Rainfall reported as 23.3mm during the week; however cloudiness in the morning/evening recorded 0.6/3.0 Oktas while, average relative humidity observed as 47%. Mean day time temperature recorded 22.5°C & for the present season 57.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

**Gilgit**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.0/3.3 Oktas while, average relative humidity observed as 39%. Mean day time temperature recorded 26.9°C & for the present season 88.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.3 Knots.

**Skardu**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.0/3.6 Oktas while, average relative humidity observed as 32%. Mean day time temperature recorded 22.8°C & for the present season 65.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/5.1 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 *flowering* stage.

**Central Punjab (Faisalabad)**

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

**Wheat:** Normal condition at *maturity* stage completed.

**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.

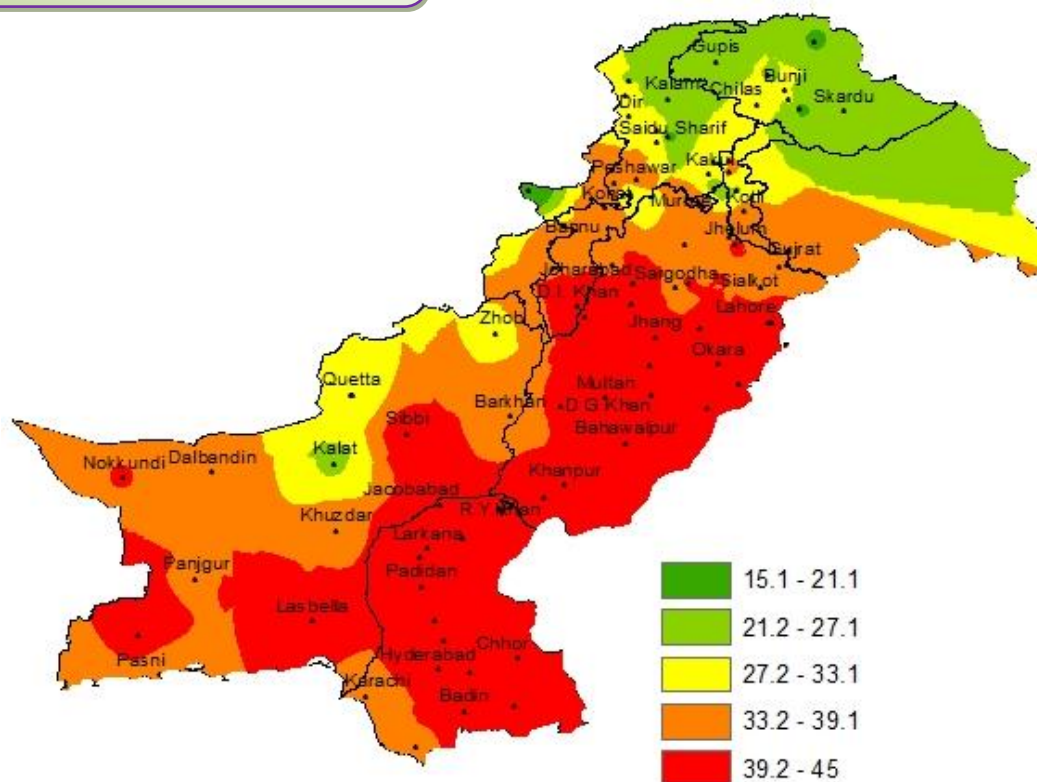
**Wheat:** Good condition at *Milk Maturity* stage.

**Eastern Balochistan (Usta Muhammad)**

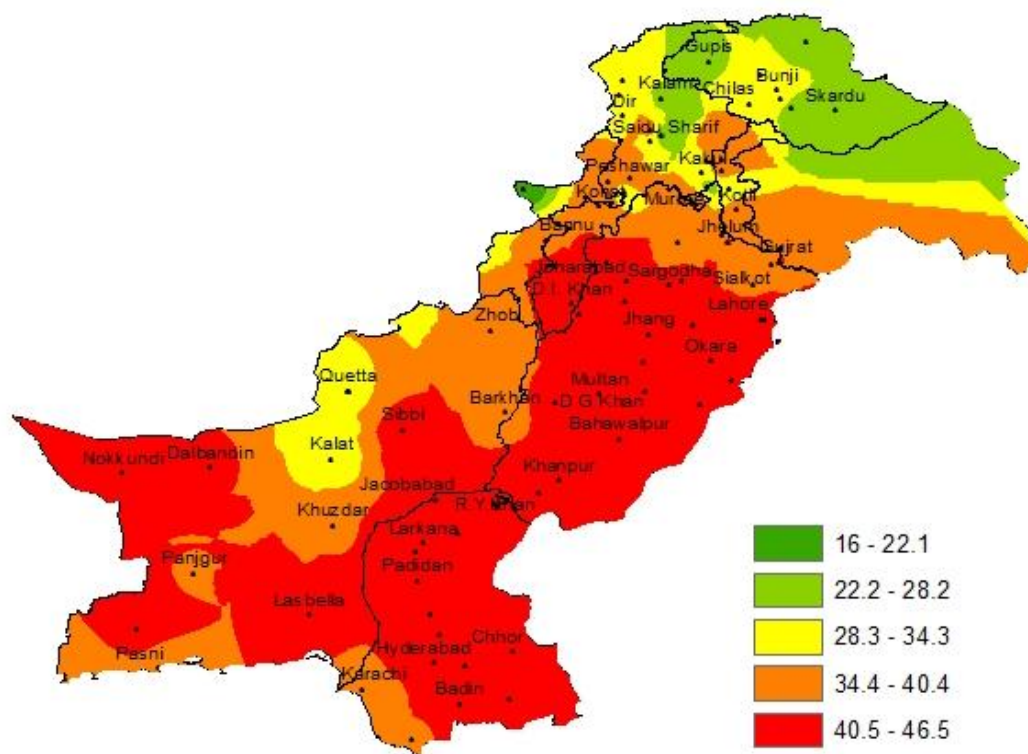
The crop is harvested in the fields of RAMC Usta Muhammad.



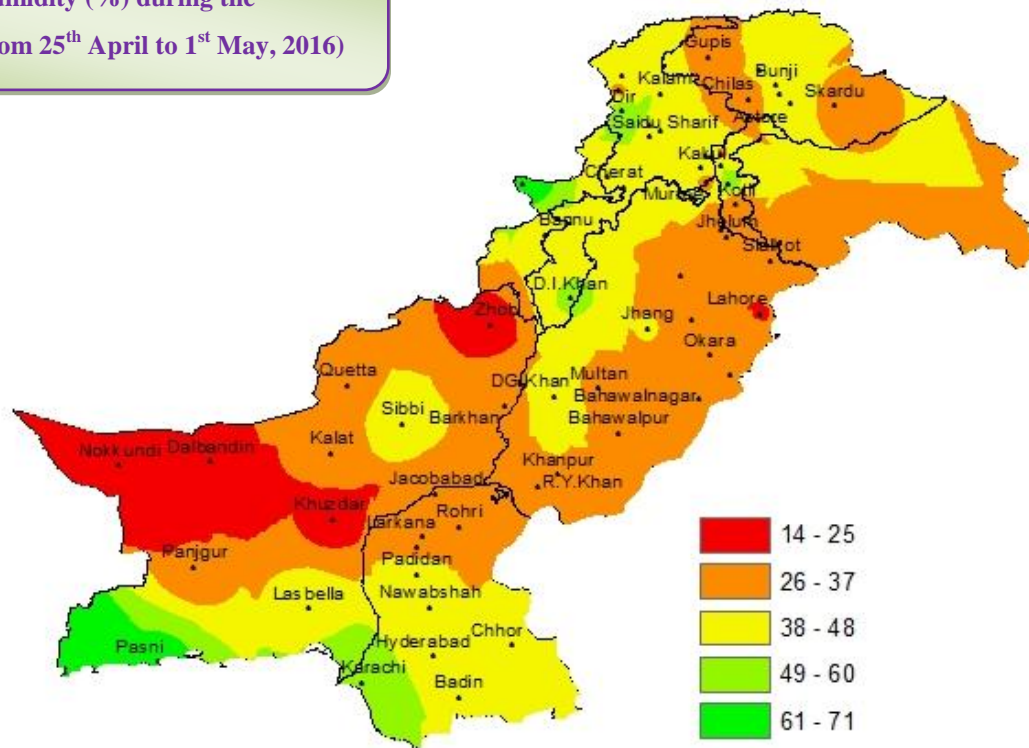
Mean Maximum Temperature (°C) during the Previous week (from 25<sup>th</sup> April to 1<sup>st</sup> May, 2016)



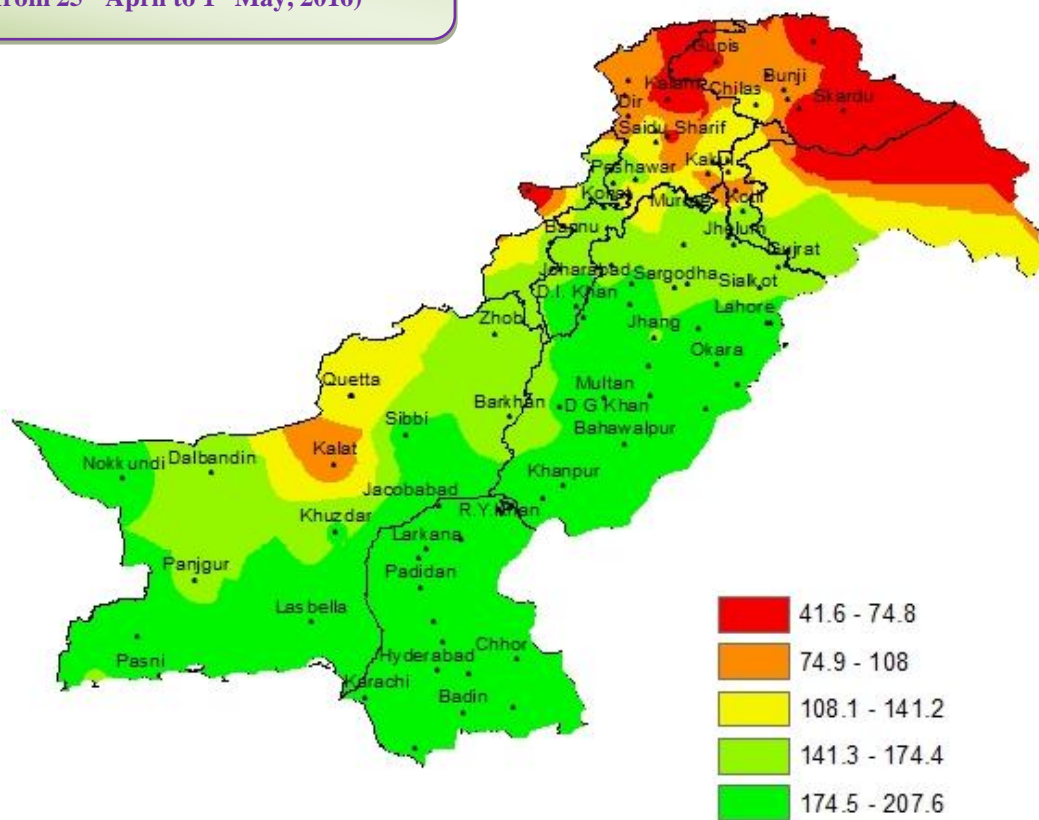
Highest Maximum Temperature (°C) during the Previous week (from 25<sup>th</sup> April to 1<sup>st</sup> May, 2016)



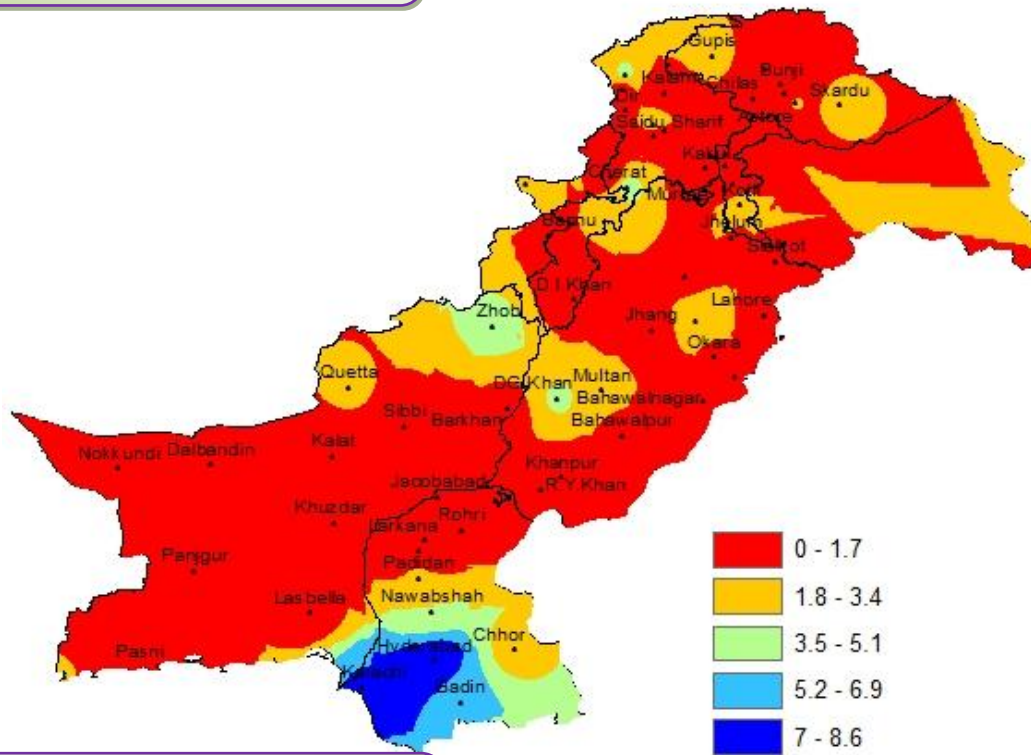
Mean Relative Humidity (%) during the Previous week (from 25<sup>th</sup> April to 1<sup>st</sup> May, 2016)



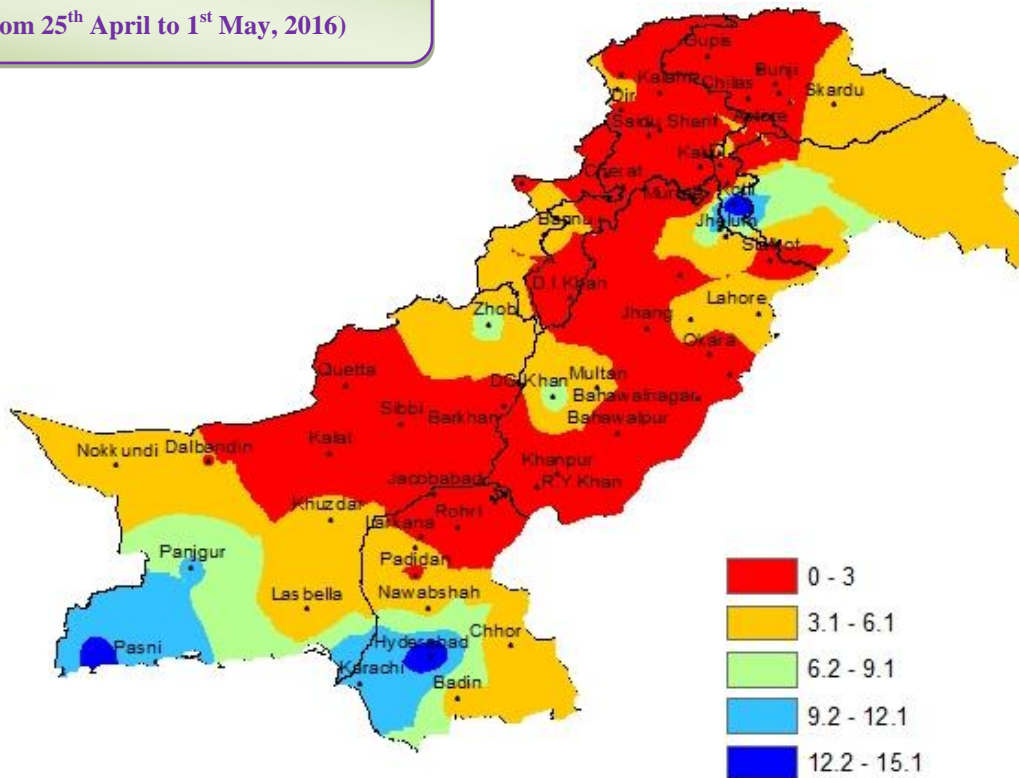
Total Growing Degree Days accumulated during the Previous week (from 25<sup>th</sup> April to 1<sup>st</sup> May, 2016)



Mean Wind Speed (Knots) at 0300 PST during the Previous week (from 25<sup>th</sup> April to 1<sup>st</sup> May, 2016)

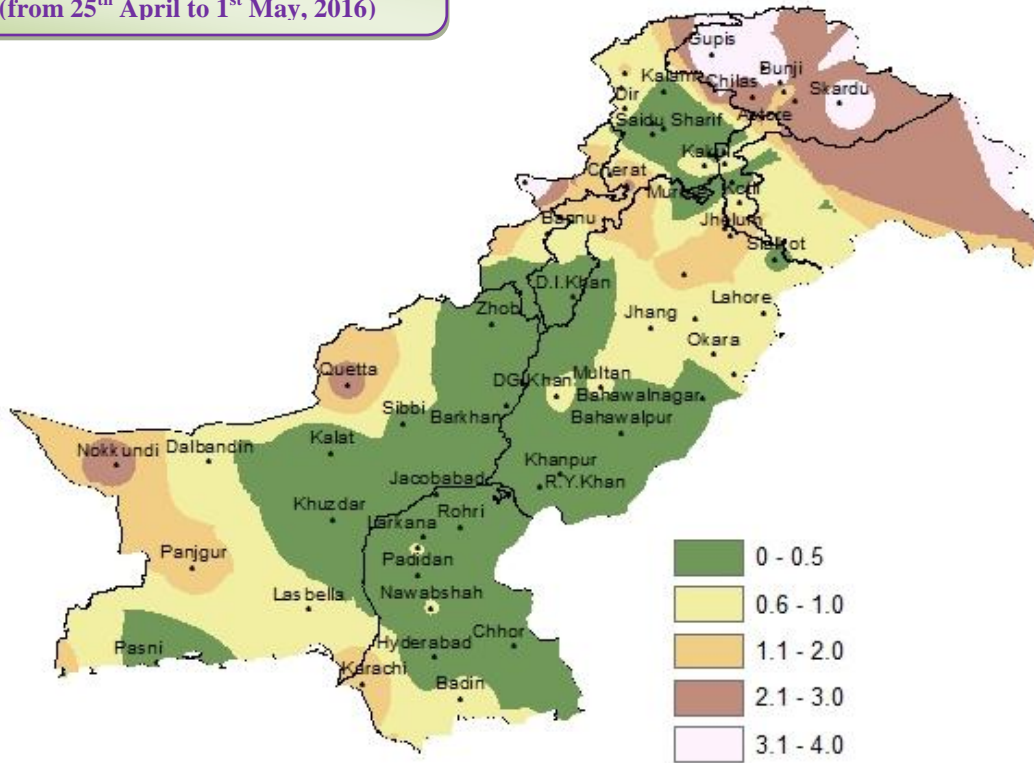


Mean Wind Speed (Knots) at 1200 PST during the Previous week (from 25<sup>th</sup> April to 1<sup>st</sup> May, 2016)

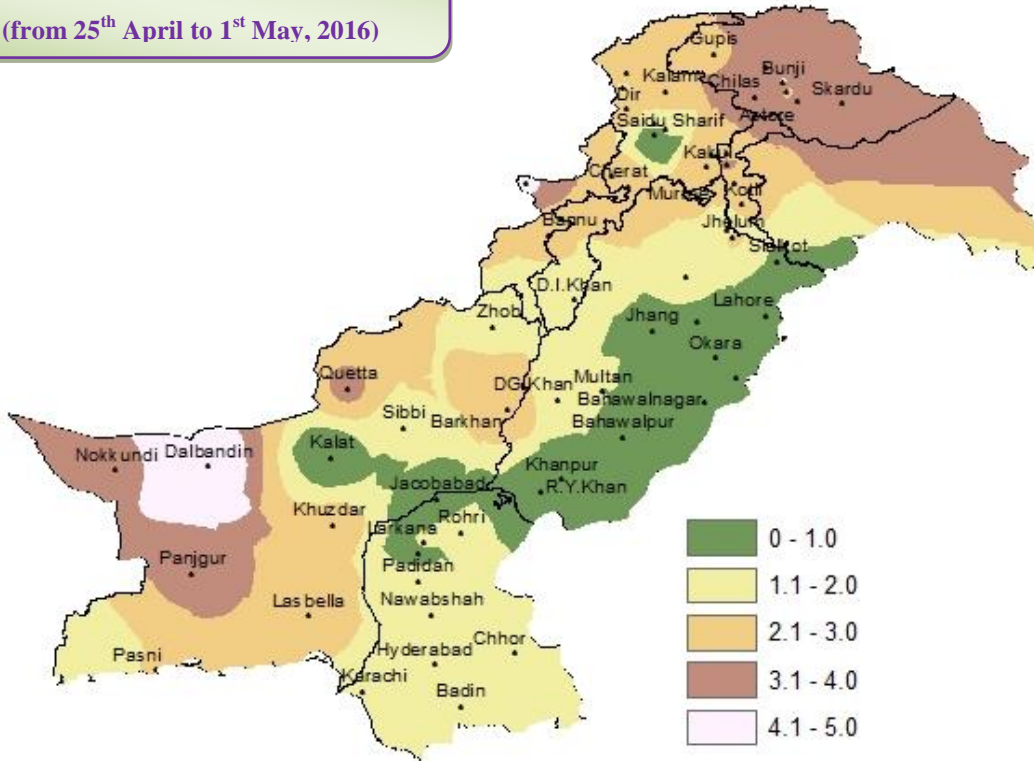




Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 25<sup>th</sup> April to 1<sup>st</sup> May, 2016)



Mean Cloudiness (Oktas) at 1200 PST during the Previous week (from 25<sup>th</sup> April to 1<sup>st</sup> May, 2016)





**Weekly Weather Advisory for Farmers****(from 2<sup>nd</sup> to 8<sup>th</sup> May, 2016)**

Low pressure area lies over north Balochistan and with its trough extending southeastward. A fresh westerly wave is likely to enter upper parts of the country during evening/night and may persist till Wednesday.

**MONDAY****02-05-2016**

Mainly very hot and dry weather is expected over most parts of the country during day time. However, rain-thunderstorms with strong gusty winds are expected at isolated places in Malakand, Hazara, Peshawar, Quetta, Zhob, Sibbi, Sukkar, Larkana, Multan, D.G Khan, Rawalpindi divisions, FATA, Islamabad, and Kashmir during evening/night.

**TUESDAY****03-05-2016**

Rain-thunderstorms with strong gusty winds are expected at scattered places in KP, FATA, Islamabad, Punjab, Gilgit-Baltistan and Kashmir, while at isolated places in Quetta, Zhob, Sibbi, Sukkar, Larkana divisions.

**WEDNESDAY****04-05-2016**

Rain-thunderstorms with strong gusty winds are expected at scattered places in KP, FATA, Islamabad, Punjab, Gilgit-Baltistan and Kashmir, while at isolated places in Quetta, Zhob, Sibbi, Sukkar, Larkana divisions.

**THURSDAY****05-05-2016**

Mainly hot and dry weather is expected over most parts of the country. However, rain-thunderstorm is expected at isolated places in Malakand, Hazara, Rawalpindi, Gujranwala, Lahore divisions, Gilgit-Baltistan and Kashmir.

**FRIDAY****06-05-2016**

Mainly very hot and dry weather is expected over most parts of the country. However, rain-thunderstorm is expected at isolated places in Mirpur khas division, Kashmir and its adjoining hilly areas.

**SATURDAY****07-05-2016**

Very hot and dry weather is expected over most parts of the country.

**SUNDAY****08-05-2016**

Very hot and dry weather is expected over most parts of the country.

**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 25<sup>th</sup> April to 1<sup>st</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	19.7	23.5	47.5	41	0.0	2.6	3.3	2.0	3.1
Badin	41.1	43.0	191.9	47	0.0	1.0	1.1	5.7	5.1
Bahawalnagar	42.0	43.5	196.9	26	0.0	0.6	0.0	0.0	1.4
Bahawalpur	41.3	43.5	185.3	34	0.0	0.1	0.7	0.6	0.6
Balakot	32.4	34.5	122.9	45	0.0	0.6	2.3	0.0	0.6
Bannu	36.8	40.0	146.2	40	0.0	1.0	2.1	1.4	3.7
Barkhan	34.0	36.5	151.1	29	0.0	0.3	2.9	0.7	0.9
Bunji	27.3	30.0	108.3	41	0.0	3.3	4.1	0.6	0.9
Cherat	28.0	30.0	114.0	40	0.0	2.1	2.6	4.3	2.9
Chhor	44.0	45.7	196.8	47	0.0	0.3	2.0	2.3	3.9
Chilas	29.9	34.2	123.3	28	1.3	2.3	3.9	0.9	2.6
Chitral	27.0	31.8	87.4	45	1.8	1.4	2.6	4.0	2.0
D.I.Khan	40.3	43.0	181.8	50	0.0	0.0	1.1	0.0	0.0
Dalbandin	38.4	41.5	159.8	21	0.0	0.7	5.0	0.3	3.0
DG.Khan	40.5	44.6	175.8	48	0.0	0.7	1.4	3.7	6.9
Dir	28.3	32.0	82.0	55	7.0	0.9	2.9	1.4	2.1
Drosh	27.4	33.7	93.1	33	1.2	1.0	1.9	0.9	5.4
Faisalabad	40.5	44.0	183.8	30	0.0	0.7	1.4	0.9	1.2
Garidopatta	33.5	37.0	128.2	50	0.0	1.0	3.3	0.3	1.1
Gawader	35.4	36.0	172.1	64	0.0	0.9	1.1	0.0	13.1
Gilgit	26.9	30.5	88.7	39	0.0	3.0	3.3	0.0	2.3
Gupis	22.3	26.5	73.5	32	0.0	3.4	2.9	2.6	2.3

Hyderabad	41.7	43.5	192.3	45	0.0	0.0	1.3	8.6	13.7
Islamabad	35.1	37.3	140.1	41	0.1	0.3	2.1	0.6	0.9
Jacobabad	42.8	45.0	201.3	26	0.0	0.3	0.6	1.7	1.1
Jhang	40.0	41.7	173.7	38	0.0	1.1	0.9	0.3	0.6
Jhelum	39.6	40.5	164.7	36	0.0	1.9	2.1	0.9	2.3
Jiwani	36.1	38.5	177.0	60	0.0	1.9	1.3	2.3	10.9
Kakul	28.5	31.0	104.4	42	0.0	1.0	2.7	0.0	1.4
Kalam	22.5	27.0	57.7	47	23.3	0.6	3.0	0.0	0.3
Kalat	26.3	30.0	94.5	30	0.0	0.0	0.0	0.0	0.0
Karachi	36.2	37.5	180.7	57	0.0	1.9	1.6	7.1	11.7
Khanpur	42.4	45.4	191.9	37	0.0	0.3	0.6	0.9	0.0
Khuzdar	36.6	39.0	176.2	20	0.0	0.0	2.6	0.6	4.0
Kotli	35.8	37.8	155.6	29	0.0	1.1	2.1	2.9	15.3
Lahore	39.8	41.7	181.1	25	0.0	1.3	0.1	1.0	6.0
Larkana	43.4	45.0	203.0	33	0.0	0.0	1.1	1.7	2.3
Lasbella	42.7	44.2	195.0	45	0.0	0.9	2.7	0.3	4.9
Lower Dir	33.8	37.5	137.1	49	3.0	0.0	1.9	2.9	1.7
M.B Din	39.3	41.0	172.0	32	0.1	1.6	1.3	0.9	2.0
Malam Jabba	18.2	20.5	53.7	45	13.0	0.3	1.1	1.7	0.6
Mangla	37.9	40.0	160.2	29	0.0	1.4	1.6	2.3	11.9
Mir Khani	28.0	33.0	92.9	47	3.0	1.1	2.7	0.0	0.6
Moinjodaro	43.3	44.5	186.7	35	0.0	0.9	0.6	0.6	4.0
Multan	40.3	43.5	186.1	31	0.0	0.7	1.0	2.7	3.1
Murree	23.4	26.0	85.5	33	4.0	0.6	2.0	1.4	0.9
Muzaffarabad	31.6	35.0	119.8	42	4.7	0.3	3.0	0.9	2.3
Nawabshah	45.0	46.5	194.3	40	0.0	0.7	1.1	3.4	5.7

Nokkundi	39.1	41.0	179.1	14	0.0	2.1	3.9	0.3	4.6
Okara	41.0	43.0	187.4	31	0.0	0.7	0.4	1.1	1.1
Padidan	43.7	45.0	197.5	40	0.0	0.3	1.6	2.0	2.9
Panjgur	38.5	40.0	170.6	26	0.0	1.6	3.4	1.7	9.1
Parachinar	15.1	16.0	41.4	71	5.1	3.4	4.1	3.0	3.0
Pasni	35.6	36.5	174.4	64	0.0	0.0	2.1	1.7	10.3
Pattan	33.3	38.5	135.3	32	8.0	0.7	2.6	0.0	4.3
Peshawar	36.0	38.0	153.5	43	1.0	1.3	2.6	0.3	2.3
Quetta	28.5	30.6	109.7	23	0.0	0.0	3.4	2.4	3.1
R.Y.Khan	43.6	46.5	193.7	32	0.0	0.0	0.4	0.6	1.1
Rawalakot	26.7	28.5	79.9	53	0.0	0.3	2.0	0.0	1.4
Rawalpindi	35.2	40.0	154.8	36	3.4	0.3	1.7	0.4	1.7
Sahiwal	40.1	42.0	178.9	30	0.0	0.7	0.3	1.7	2.3
Saidu Sharif	31.0	34.5	121.3	46	0.0	0.0	0.0	0.0	0.3
Sialkot	38.4	39.8	166.7	27	0.0	0.6	0.9	1.4	2.0
Sibbi	43.3	45.0	186.1	45	0.0	0.6	1.4	0.3	2.6
Skardu	22.8	27.3	65.6	32	0.0	3.0	3.6	2.0	5.1
Tandojam	42.6	44.0	189.3	45	0.0	0.0	0.7	1.7	2.8
Usta.M	43.4	45.0	189.7	36	0.0	0.0	0.0	0.9	0.0
Zhob	31.8	34.5	142.6	19	0.0	0.4	1.9	4.3	6.4

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