

Weekly Weather and Crop Bulletin for Pakistan

**NATIONAL AGROMET CENTRE
PAKISTAN METEOROLOGICAL
DEPARTMENT SECTOR H-8/2,
ISLAMABAD.**

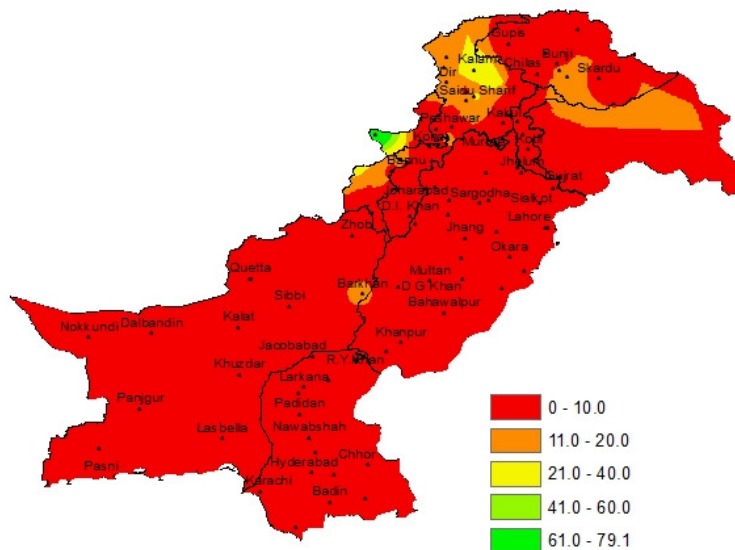
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**Rainfall Distribution (mm) during the
Previous Week (from 11th to 17th April, 2016)**

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Highlights of Past Weather (from 11th to 17th April, 2016)

Mainly normal day time temperature was reported from most parts of the country during the week.

Province wise distribution of rainfall reported as follows:

- Light rainfall reported at few places in Balochistan.
- Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa, Punjab, and Gilgit-Baltistan & Kashmir regions.
- 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 11th to 17th April, 2016)**Punjab**

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 36.2°C & 19.4°C respectively. For the present season average 159.8 growing degree days accumulated by the end of last week. Average relative humidity recorded 47% and wind speed in the morning/evening recorded 2.1/3.3 Knots. During the previous week the highest amount of rainfall was recorded 10.1mm at Mangla & highest maximum temperature recorded 44.1°C at R.Y.Khan.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 39.6°C & 23.0°C respectively. For the present season average 183.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 47% and wind speed in the morning/evening recorded 4.1/5.6 Knots. During the previous week the highest maximum temperature recorded 45.6°C Dadu.

Khyber Pakhtunkhwa

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 27.1°C & 12.0°C respectively. For the present season average 105.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 58% and wind speed in the morning/evening recorded 1.1/1.7 Knots. During the previous week the highest amount of rainfall was recorded 79.2mm at Parachinar & the highest maximum temperature recorded 39.5°C at D.I.Khan.

Balochistan

Light rainfall reported at few places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 33.1°C & 18.3°C respectively. For the present season average 144.8 growing degree days accumulated by the end of last week. Average relative humidity recorded 44% and wind speed in the morning/evening recorded 1.7/6.1 Knots. During the previous week the highest amount of rainfall was recorded 18.0mm at Barkhan & highest maximum temperature recorded 43.5°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 23.7°C & 10.0°C respectively. For the present season average 82.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 52% and wind speed in the morning/evening recorded 1.2/2.0 Knots. During the previous week the highest amount of rainfall was recorded 23.8mm at Astore & highest maximum temperature recorded 36.9°C at Kotli.

**Past Weather for Major Agricultural Plains
(from 11th to 17th April, 2016)****Rawalpindi (Potohar region)**

Rainfall reported as 5.4mm during the week; however cloudiness in the morning/evening recorded 3.3/3.6Oktas while, average relative humidity observed 60%. Mean day time temperature recorded 32.3°C & for the present season 141.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/1.8Knots.

Faisalabad (Central Punjab)

Rainfall reported as 1.8mm during the week; however cloudiness in the morning/evening recorded 2.1/2.6 Oktas while, average relative humidity observed as 43%. Mean day time temperature recorded 36.6°C & for the present season 166.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.3/0.6 Knots.

Tandojam (Lower Sindh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.6/0.3 Oktas while, average relative humidity observed as 52%. Mean day time temperature recorded 39.4°C & for the present season 178.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.3/3.2 Knots.

Quetta (Northern Baluchistan)

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 1.6/3.3 Oktas while, average relative humidity observed as 29%. Mean day time temperature recorded 27.1°C & for the present season 98.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.5/3.3 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.7/2.1Oktas while, average relative humidity observed as 41%. Mean day time temperature recorded 41.4°C & for the present season 179.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/2.3 Knots.

**Past Weather for Sub-Regional Agricultural
Plains (from 11th to 17th April, 2016)****Multan**

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 2.4/3.9 Oktas while, average relative humidity observed as 45%. Mean day time temperature recorded 37.5°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 3.4/2.6 Knots.

Lahore

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.0/3.9 Oktas while, average relative humidity observed as 37%. Mean day time temperature recorded 36.7°C & for the present season 169.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.3/4.3 Knots.

Zhob

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.6/4.4 Oktas while, average relative humidity observed as 40%. Mean day time temperature recorded 29.0°C & for the present season 125.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/5.6 Knots.

D.I. Khan

Rainfall reported as 1.1mm during the week; however cloudiness in the morning/evening recorded 2.6/2.1 Oktas while, average relative humidity observed as 55%. Mean day time temperature recorded 36.6°C & for the present season 164.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.6Knots.

Peshawar

Rainfall reported as 6.1mm during the week; however cloudiness in the morning/evening recorded 4.3/4.7Oktas while, average relative humidity observed as 59%. Mean day time temperature recorded 32.6°C & for the present season 142.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.7 Knots.

Murree

Rainfall reported as 10.0mm during the week; however cloudiness in the morning/evening recorded 3.1/3.1Oktas while, average relative humidity observed as 52%. Mean day time temperature recorded 21.0°C & for the present season 72.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.9/0.9Knots.

Kalam

Rainfall reported as 47.0mm during the week; however cloudiness in the morning/evening recorded 4.1/4.3Oktas while, average relative humidity observed as 62%. Mean day time temperature recorded 20.9°C & for the present season 54.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

Gilgit

Rainfall reported as 0.3mm during the week; however cloudiness in the morning/evening recorded 5.7/6.0Oktas while, average relative humidity observed as 50%. Mean day time temperature recorded 24.3°C & for the present season 80.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/2.9Knots.

Skardu

Rainfall reported as 10.4mm during the week; however cloudiness in the morning/evening recorded 6.1/5.7 Oktas while, average relative humidity observed as 50%. Mean day time temperature recorded 19.2°C & for the present season 57.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.7 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 *Heading* stage.

Central Punjab (Faisalabad)

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

Wheat: Normal condition at *Full Maturity* stage completed.

Lower Sindh (Tandojam)

The crop is harvested in the fields of RAMC Tandojam.

Northern Balochistan (Quetta)

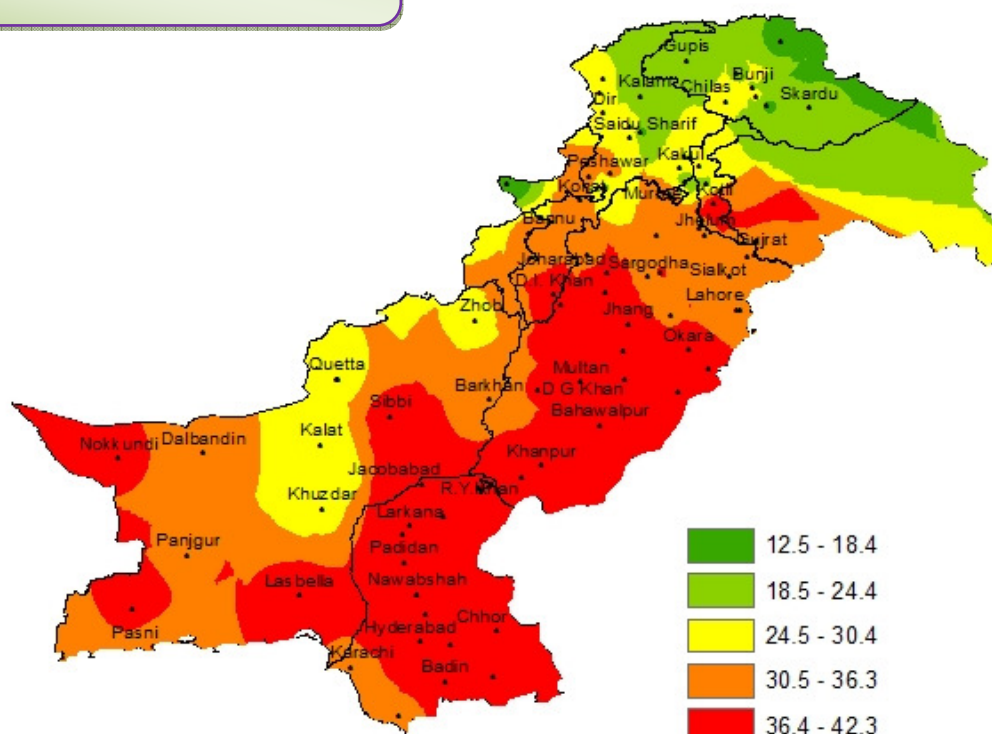
There is presently one crop (irrigated condition) grown in the fields of RAMC Quetta.

Wheat: Good condition at *flowering* stage.

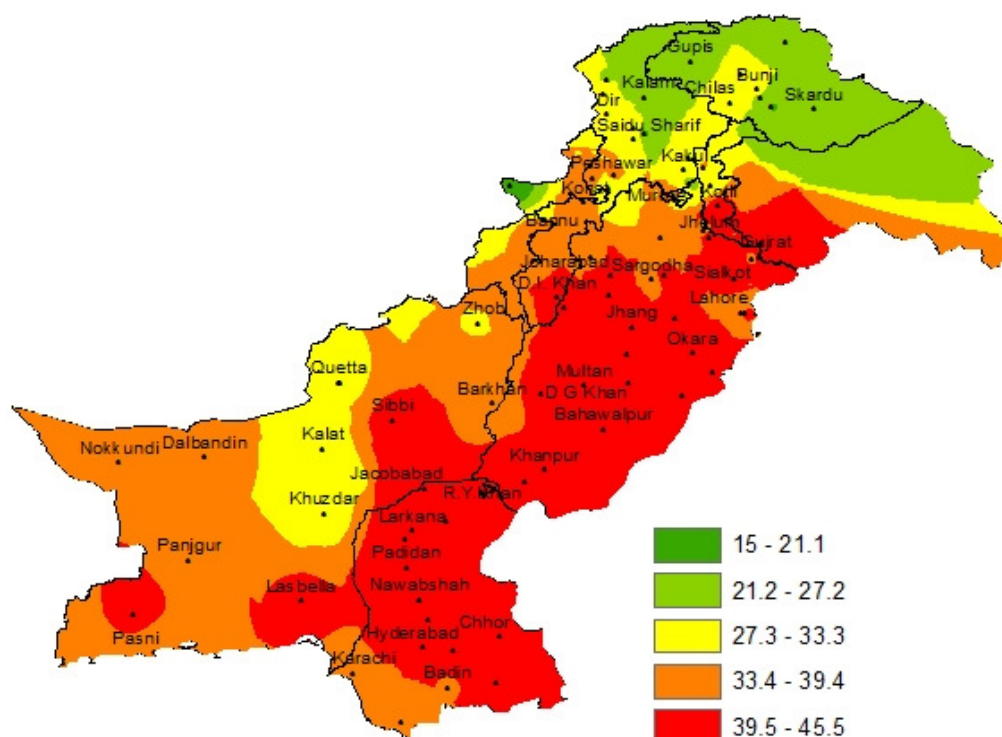
Eastern Balochistan (Usta Muhammad)

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

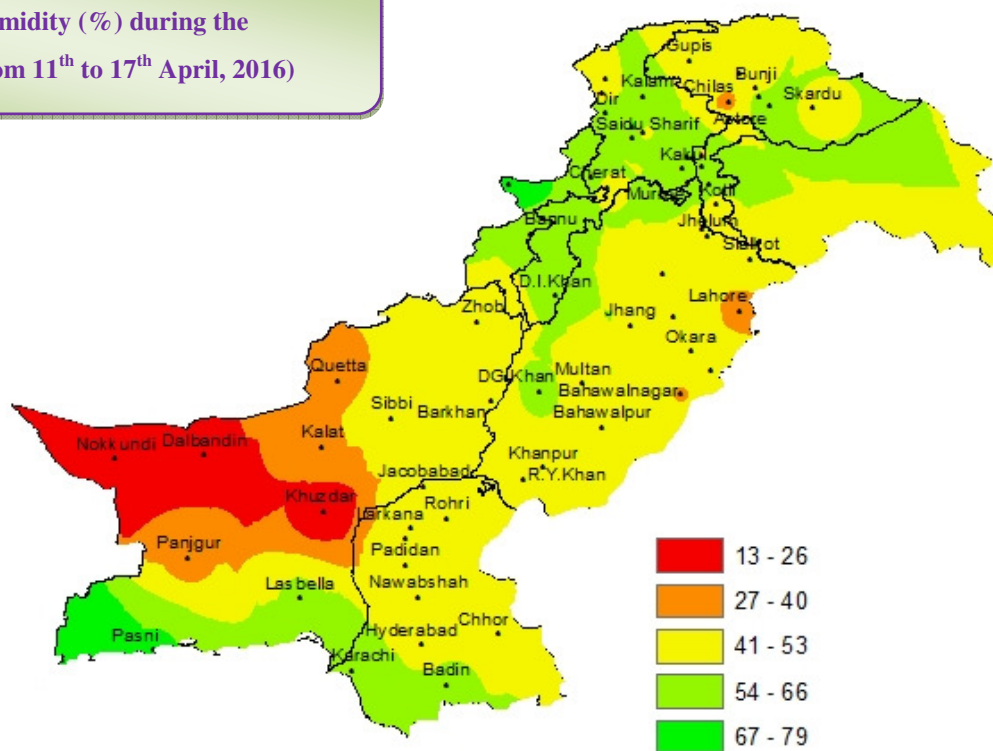
Mean Maximum Temperature (°C) during the
Previous week (from 11th to 17th April, 2016)



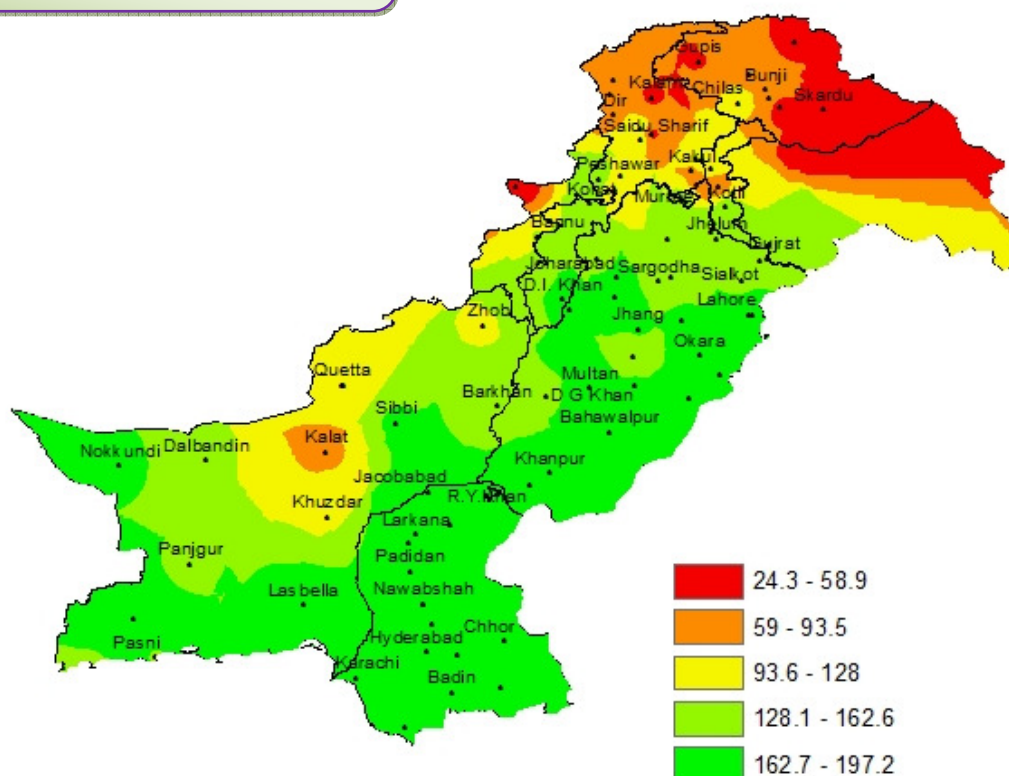
Highest Maximum Temperature (°C) during the
Previous week (from 11th to 17th April, 2016)



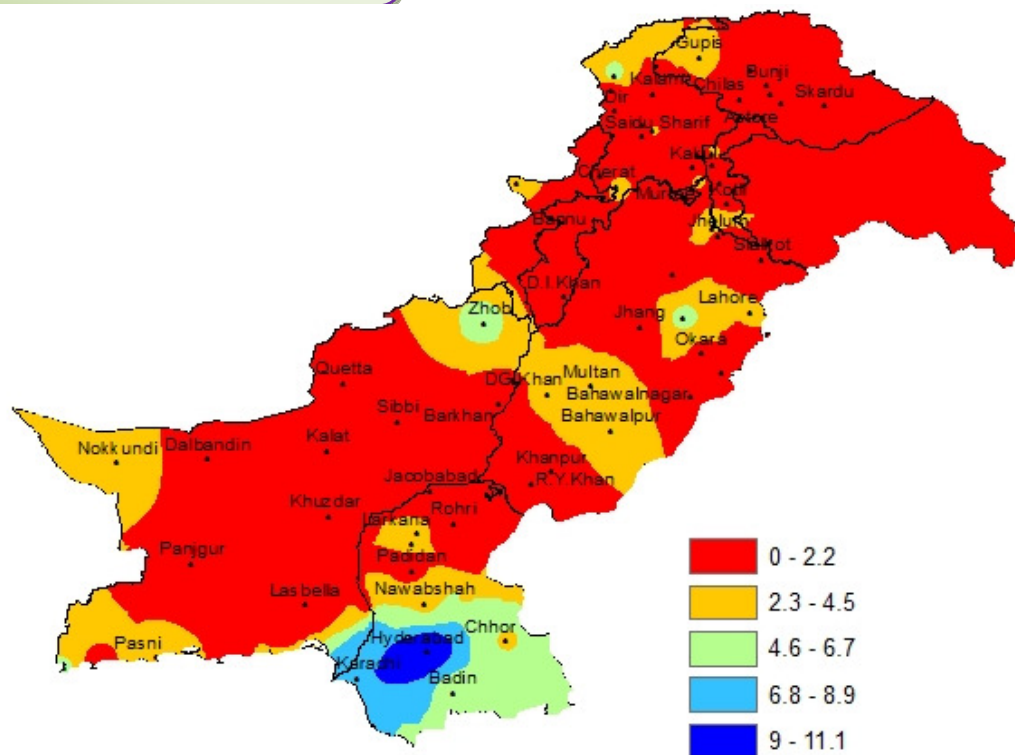
Mean Relative Humidity (%) during the
Previous week (from 11th to 17th April, 2016)



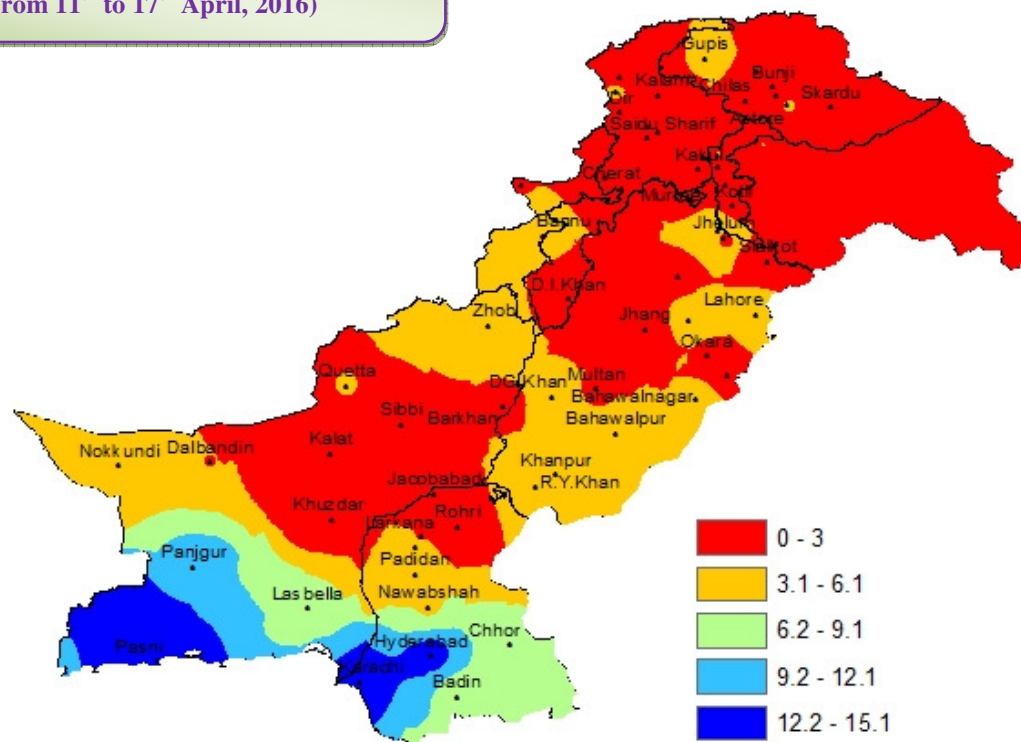
Total Growing Degree Days accumulated during the
Previous week (from 11th to 17th April, 2016)



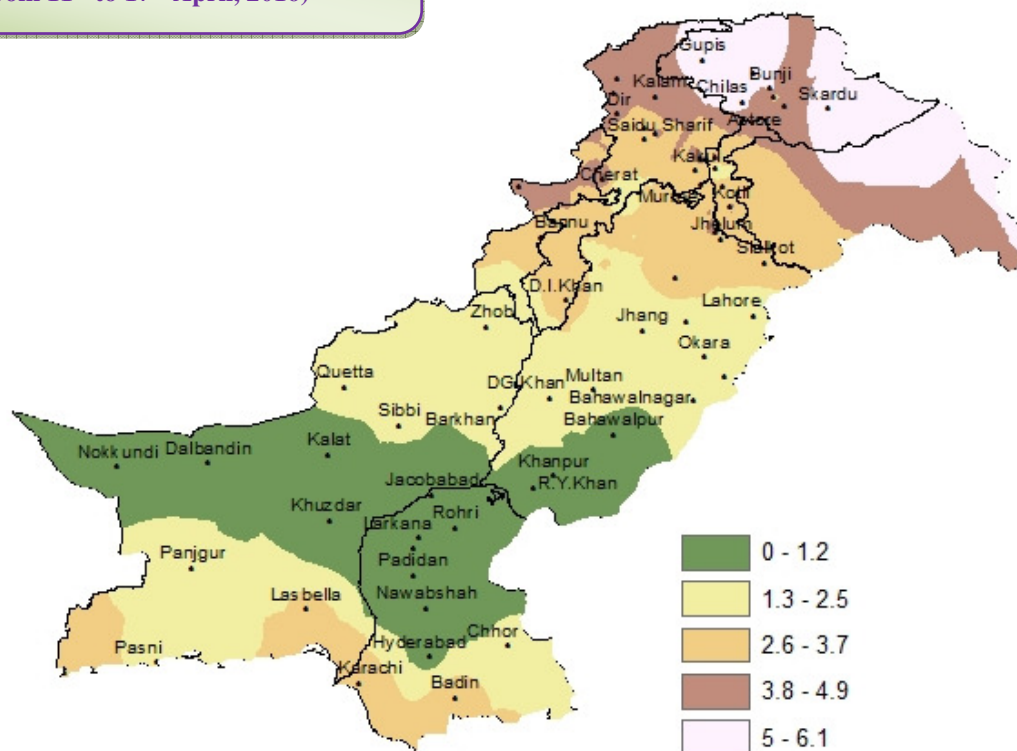
Mean Wind Speed (Knots) at 0300 PST during the Previous week (from 11th to 17th April, 2016)



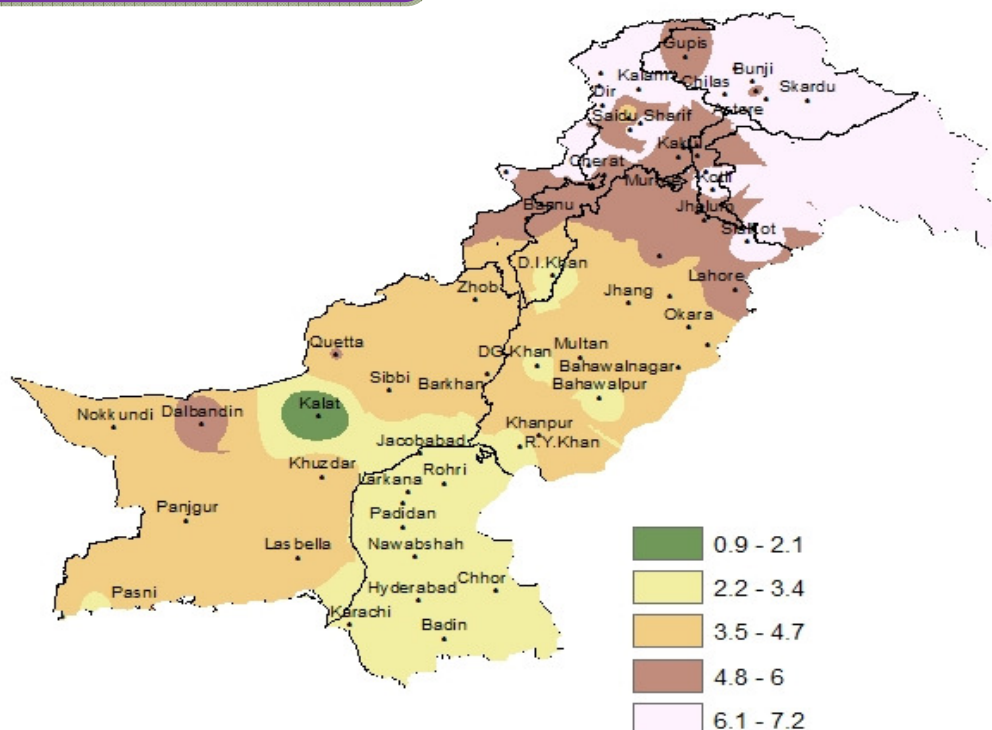
Mean Wind Speed (Knots) at 1200 PST during the Previous week (from 11th to 17th April, 2016)



Mean Cloudiness (Oktas) at 0800PST during the
Previous week (from 11th to 17th April, 2016)



Mean Cloudiness (Oktas) at 1200 PST during the
Previous week (from 11th to 17th April, 2016)



Weekly Weather Advisory for Farmers**(From 18th to 24th April, 2016)**

A westerly wave is prevailing over central and upper parts of the country and likely to move north-eastward during next 24 to 36 hours. Another westerly wave is likely to enter western & upper parts of the country on Thursday (night) and likely to persist till Saturday.

MONDAY**18-04-2016**

Rain-thunderstorm with gusty winds are expected at isolated places in Northeast Balochistan (Quetta, Zhob, Sibbi, Naseerabad divisions), Malakand, Bannu, D.I.Khan, Kohat, D.G.Khan, Bahawalpur divisions, upper FATA, Kashmir and Gilgit-Baltistan. Hot & dry weather is expected elsewhere in the country.

TUESDAY**19-04-2016**

Rain-thunderstorm with gusty winds are expected at isolated places in Zhob, Bannu, D.I.Khan, Malakand, Hazara, Rawalpindi divisions, Upper FATA, Islamabad, Kashmir and Gilgit-Baltistan. Hot & dry weather is expected elsewhere in the country.

WEDNESDAY**20-04-2016**

Mainly hot & dry weather is expected in most parts of the country. However, rain-thunderstorm is expected at isolated places in Malakand division and Gilgit-Baltistan during night.

THURSDAY**21-04-2016**

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

FRIDAY**22-04-2016**

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

SATURDAY**23-04-2016**

Mainly hot & dry weather is expected in most parts of the country. However, rain-thunderstorm is expected at few places in Gilgit-Baltistan, Kashmir and its adjoining hilly areas.

SUNDAY**24-04-2016**

Mainly hot & dry weather is expected in most parts of the country.

ADVISES FOR CROPS

- ❖ Farmers of irrigated areas should stop irrigation in KP and Punjab, keeping expected weather in mind.
- ❖ Farmers of Barani areas are advised to remove weeds from the fields, so that the present soil moisture may fully be utilized.
- ❖ 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.

National Weather Data of Selected Cities
(Weekly Data from 11th to 17th April, 2016)

Stations	Maximum/Day time Temperature (°C)		Growin g Degree Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Oktas) 0800PST	Cloudiness (Oktas) 1700PST	Wind Speed (Knots) 0800PST	Wind Speed (Knots) 1700PST
	Mean	Highest							
Astore	17.0	20.5	39.9	58	23.8	4.1	5.3	2.0	3.4
Badin	37.7	39.0	179.1	55	0.0	3.1	3.9	5.4	6.9
Bahawalnagar	38.7	43.0	179.8	39	2.0	1.6	3.6	0.6	3.7
Bahawalpur	38.4	42.0	174.8	44	0.0	0.4	2.0	3.4	3.7
Balakot	28.3	32.0	102.3	64	16.4	3.9	3.9	0.0	1.4
Bannu	32.7	36.2	129.1	57	14.0	2.7	3.3	0.0	4.0
Barkhan	31.5	35.0	133.8	46	18.0	1.7	2.9	0.6	2.0
Bunji	24.3	28.9	92.2	46	0.2	5.1	6.6	0.9	0.9
Cherat	23.7	27.0	95.6	49	19.0	1.6	3.6	2.6	2.9
Chhor	39.6	41.5	181.3	50	0.0	1.3	3.0	4.3	6.4
Chilas	25.5	30.2	104.7	38	3.5	5.0	5.4	0.9	2.0
Chitral	24.8	27.0	82.9	52	25.8	3.9	5.0	5.7	1.4
D.I.Khan	36.6	39.5	164.5	55	1.1	2.6	2.1	0.3	0.6
Dalbandin	35.8	38.0	133.9	20	0.0	0.6	2.0	0.3	3.0
DG.Khan	36.9	41.3	160.2	57	1.5	2.0	2.7	2.9	4.6
Dir	25.4	29.0	79.5	63	27.0	3.7	4.3	0.0	1.4
Drosh	25.3	28.0	85.3	46	22.8	4.3	5.3	0.0	3.7
Faisalabad	36.6	41.5	166.2	43	1.8	2.1	2.6	1.3	0.6
Garidopatta	28.7	33.5	110.8	65	14.0	1.9	2.6	0.0	0.9
Gawader	33.6	35.0	160.5	66	0.0	2.6	1.7	1.4	14.0
Gilgit	24.3	28.5	80.9	50	0.3	5.7	6.0	1.1	2.9
Gupis	19.8	23.5	57.4	45	3.0	5.4	4.9	2.9	3.7

Hyderabad	41.5	44.0	183.4	49	0.0	1.0	2.0	11.1	13.7
Islamabad	32.0	36.0	131.6	58	6.0	3.4	3.9	0.3	2.6
Jacobabad	40.6	43.0	189.8	44	0.0	0.0	1.4	0.9	1.4
Jhang	37.5	41.7	163.3	53	0.1	1.4	1.4	0.6	0.0
Jhelum	36.1	40.0	155.3	47	6.8	3.1	3.7	1.4	2.3
Jiwani	32.3	34.0	160.7	69	0.0	3.6	3.9	4.9	10.3
Kakul	25.8	30.0	91.0	61	7.0	3.4	3.3	0.3	1.4
Kalam	20.9	25.0	54.1	62	47.0	4.1	4.3	0.0	0.3
Kalat	25.5	29.0	83.8	38	0.0	0.0	0.0	0.0	0.0
Karachi	35.3	37.5	176.8	64	0.0	3.3	3.4	8.9	13.1
Khanpur	39.6	42.8	183.9	44	0.0	1.0	2.6	1.7	4.3
Khuzdar	27.9	29.0	125.2	17	0.0	0.0	0.4	0.0	1.1
Kotli	39.7	43.3	145.2	49	9.0	3.7	4.0	2.1	1.7
Lahore	36.7	40.6	169.0	37	0.0	2.0	3.9	2.3	4.3
Larkana	40.8	43.5	194.2	42	0.0	0.9	1.3	2.6	2.9
Lasbella	38.8	41.0	183.2	55	0.0	2.6	3.3	0.0	7.7
Lower Dir	29.6	32.5	116.8	68	13.0	3.1	3.7	0.3	2.0
M.B Din	36.5	40.2	160.7	47	0.6	2.9	2.6	1.1	2.0
Malam Jabba	16.6	20.0	47.8	50	35.0	3.9	4.0	2.6	0.6
Mangla	35.1	38.5	148.7	45	10.1	3.9	4.0	3.4	6.0
Mir Khani	25.5	27.0	81.1	56	26.0	3.4	4.4	0.0	1.0
Moinjodaro	40.6	44.0	184.7	44	0.0	0.3	1.3	2.3	3.7
Multan	37.5	41.3	170.8	45	0.1	2.4	3.9	3.4	2.6
Murree	21.0	25.5	72.5	52	10.0	3.1	3.1	2.9	0.9
Muzaffarabad	28.4	33.0	107.0	64	10.0	3.6	3.4	0.4	0.3
Nawabshah	41.5	44.0	186.8	42	0.0	0.6	2.3	4.1	5.7

Nokkundi	36.6	38.0	170.0	13	0.0	1.1	1.7	4.3	3.7
Okara	37.8	43.8	172.4	45	0.0	1.9	2.3	1.7	2.3
Padidan	41.3	44.0	191.4	42	0.0	0.3	2.0	1.7	4.0
Panjgur	35.3	38.0	155.7	35	0.0	1.7	2.0	0.9	10.9
Parachinar	12.5	15.0	24.1	79	79.2	4.9	6.1	3.0	3.0
Pasni	33.0	35.5	161.8	68	0.0	1.9	1.9	2.9	15.1
Peshawar	32.6	35.0	142.0	59	6.1	4.3	4.7	1.1	1.7
Quetta	27.1	30.4	98.1	29	0.1	1.6	3.3	2.5	3.3
R.Y.Khan	41.3	44.1	187.2	48	0.0	1.1	2.1	0.6	5.7
Rawalakot	23.7	28.0	72.6	66	11.6	2.6	3.7	0.0	0.9
Rawalpindi	32.3	37.2	141.0	60	5.4	3.3	3.6	0.6	1.8
Sahiwal	37.2	42.2	163.5	45	0.0	2.3	2.4	2.0	2.6
Saidu Sharif	28.2	31.0	109.6	56	21.1	2.7	3.3	0.9	0.3
Sialkot	35.4	39.3	158.3	45	0.1	2.7	3.4	1.7	1.7
Sibbi	40.6	43.5	171.3	46	1.0	1.4	0.9	0.0	1.7
Skardu	19.2	23.1	57.6	50	10.4	6.1	5.7	0.0	1.7
Tandojam	39.4	41.0	178.8	52	0.0	0.6	0.3	2.3	3.2
Usta.M	41.4	43.7	179.9	41	0.0	0.7	2.1	2.0	2.3
Zhob	29.0	33.0	125.0	40	0.0	1.6	4.4	5.0	5.6

*** Shows that data was not available.