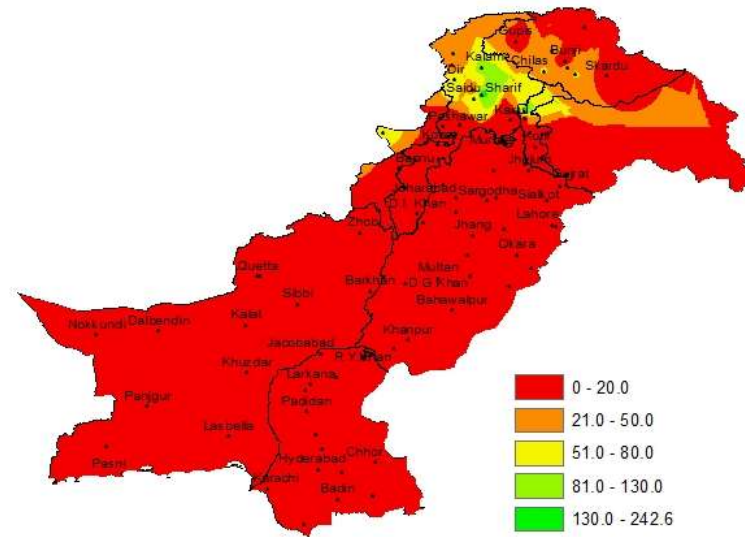


Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the
Previous Week (from 28th March to 3rd April, 2016)**

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Highlights of Past Weather (from 28th March to 3rd 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 only at a single station (Jacobabad=0.1mm) in Sindh.
- Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa, Punjab and Gilgit-Baltistan & Kashmir regions.
- Light to moderate rainfall reported at few places in 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 28th March to 3rd April, 2016)

Punjab

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 32.0°C & 17.7°C respectively. For the present season average 138.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 58% and wind speed in the morning/evening recorded 1.3/2.7 Knots. During the previous week the highest amount of rainfall was recorded 14.4mm at Murree & lowest minimum temperature recorded 9.0C at Murree.

Sindh

Light rainfall reported only at a single station (Jacobabad=0.1mm) in Sindh during the week. Weekly maximum and minimum temperatures recorded 36.4°C & 20.6°C respectively. For the present season average 164.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 52% and wind speed in the morning/evening recorded 3.3/5.6Knots. During the previous week the lowest minimum temperature recorded 15.4°C at Mithi.

Khyber Pakhtunkhwa

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 21.6°C & 11.0°C respectively. For the present season average 77.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 71% and wind speed in the morning/evening recorded 2.0/2.3Knots. During the previous week the highest amount of rainfall was recorded 253.2mm at Pattan & the lowest minimum temperature recorded 0.5°C at Kalam.

Balochistan

Light to moderate rainfall reported at few places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 30.3°C & 16.5°C respectively. For the present season average 128.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 46% and wind speed in the morning/evening recorded 1.6/5.4Knots. During the previous week the highest amount of rainfall was recorded 13.0mm at Zhob & lowest minimum temperature recorded 6.0°C at Kalat.

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 19.9°C & 8.7°C respectively. For the present season average 65.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 64% and wind speed in the morning/evening recorded 0.9/1.8Knots. During the previous week the highest amount of rainfall was recorded 103.2mm at Astore & the lowest minimum temperature recorded 1.0°C at Astore.

**Past Weather for Major Agricultural Plains
(from 28th March to 3rd April, 2016)****Rawalpindi (Potohar region)**

Rainfall reported as 1.0mm during the week; however cloudiness in the morning/evening recorded 4.8/6.0 Oktas while, average relative humidity observed 61%. Mean night time temperature recorded 16.4°C & for the present season 121.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.8Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.6/3.9Oktas while, average relative humidity observed as 53%. Mean night time temperature recorded 19.0°C & for the present season 146.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/1.1Knots.

Tandojam (Lower Sindh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.9/2.1Oktas while, average relative humidity observed as 55%. Mean night time temperature recorded 19.4°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 1.1/2.5Knots.

Quetta (Northern Baluchistan)

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 6.1/6.4Oktas while, average relative humidity observed as 43%. Mean night time temperature recorded 12.0°C & for the present season 89.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.3/3.8 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.9/3.3Oktas while, average relative humidity observed as 50%. Mean night time temperature recorded 19.6°C & for the present season 159.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/3.1Knots.

**Past Weather for Sub-Regional Agricultural
Plains (from 28th March to 3rd April, 2016)****Multan**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.9/4.4Oktas while, average relative humidity observed as 57%. Mean night time temperature recorded 20.1°C & for the present season 150.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.0/4.3Knots.

Lahore

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.7/5.7Oktas while, average relative humidity observed as 47%. Mean night time temperature recorded 20.0°C & for the present season 134.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/2.6 Knots.

Zhob

Rainfall reported as 13.0mm during the week; however cloudiness in the morning/evening recorded 4.3/5.3Oktas while, average relative humidity observed as 50%. Mean night time temperature recorded 12.6°C & for the present season 97.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/7.3 Knots.

D.I. Khan

Rainfall reported as 1.1mm during the week; however cloudiness in the morning/evening recorded 4.6/4.7Oktas while, average relative humidity observed as 68%. Mean night time temperature recorded 19.1°C & for the present season 139.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.9 Knots.

Peshawar

Rainfall reported as 46.1mm during the week; however cloudiness in the morning/evening recorded 5.9/5.9Oktas while, average relative humidity observed as 68%. Mean night time temperature recorded 16.9°C & for the present season 117.3 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 14.4mm during the week; however cloudiness in the morning/evening recorded 4.6/6.0Oktas while, average relative humidity observed as 58%. Mean night time temperature recorded 10.0°C & for the present season 64.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/2.7 Knots.

Kalam

Rainfall reported as 155.0mm during the week; however cloudiness in the morning/evening recorded 5.0/5.4Oktas while, average relative humidity observed as 78%. Mean night time temperature recorded 3.1°C & for the present season 23.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/13.6 Knots.

Gilgit

Rainfall reported as 57.4mm during the week; however cloudiness in the morning/evening recorded 5.6/7.1Oktas while, average relative humidity observed as 66%. Mean night time temperature recorded 7.9°C & for the present season 62.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.9 Knots.

Skardu

Rainfall reported as 22.0mm during the week; however cloudiness in the morning/evening recorded 5.7/6.9Oktas while, average relative humidity observed as 56%. Mean night time temperature recorded 5.7°C & for the present season 49.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/3.0Knots.

**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 *Shooting* stage.

Central Punjab (Faisalabad)

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

Wheat: Normal condition at *Milk 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.

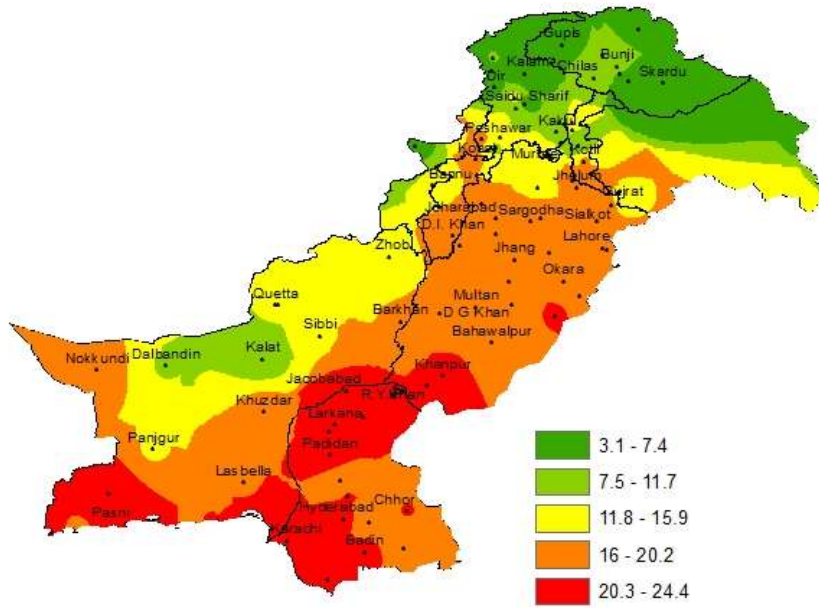
Wheat: Good condition at *Heading* stage.

Eastern Balochistan (Usta Muhammad)

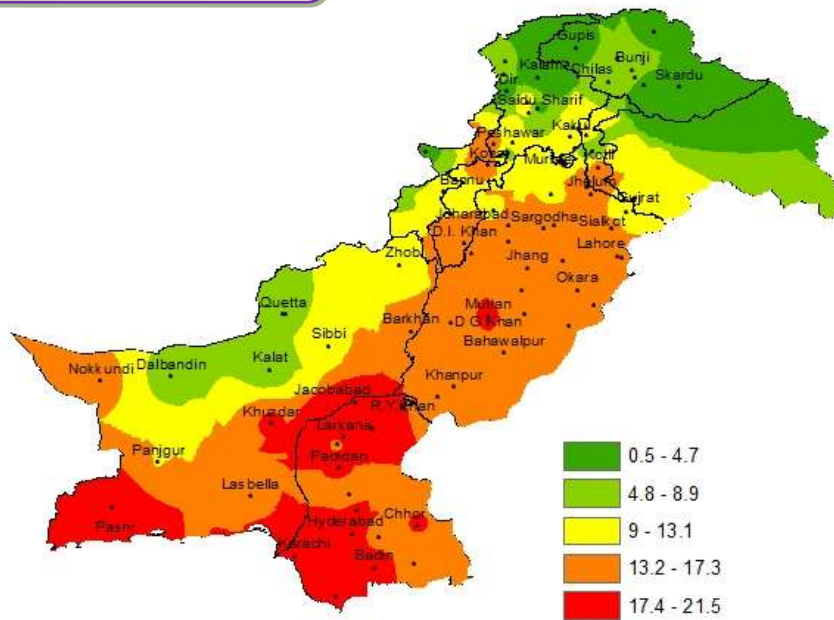
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Wheat: Good condition at *Wax Maturity* stage.

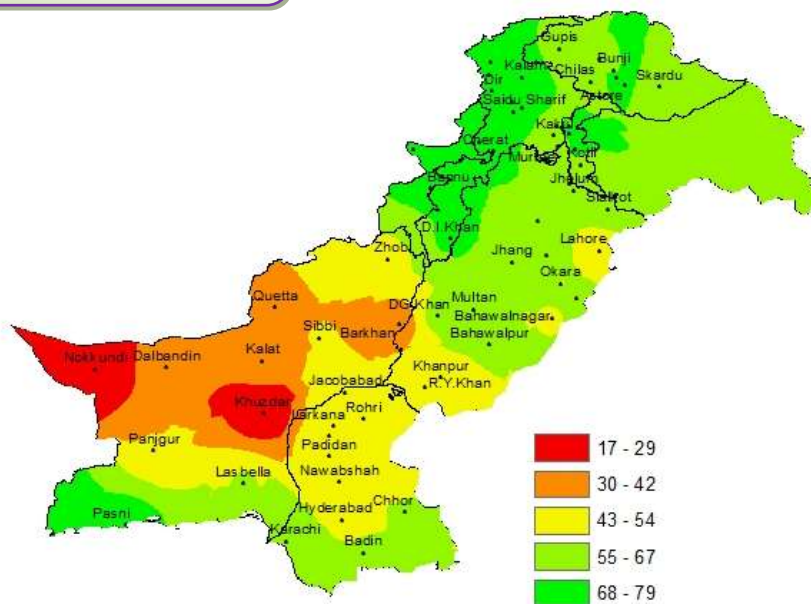
Mean Minimum Temperature (°C) during the Previous week (from 28th March to 3rd April, 2016)



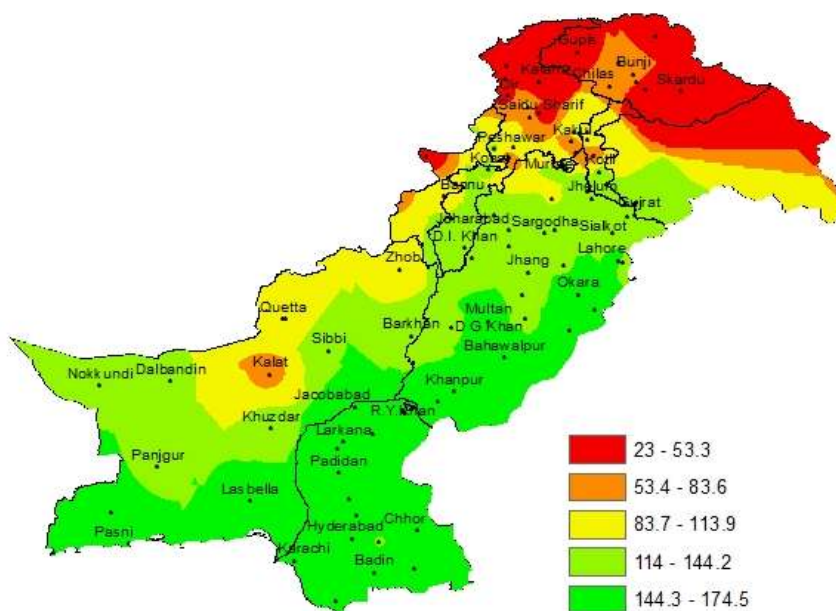
Lowest Minimum Temperature (°C) during the Previous week (from 28th March to 3rd April, 2016)



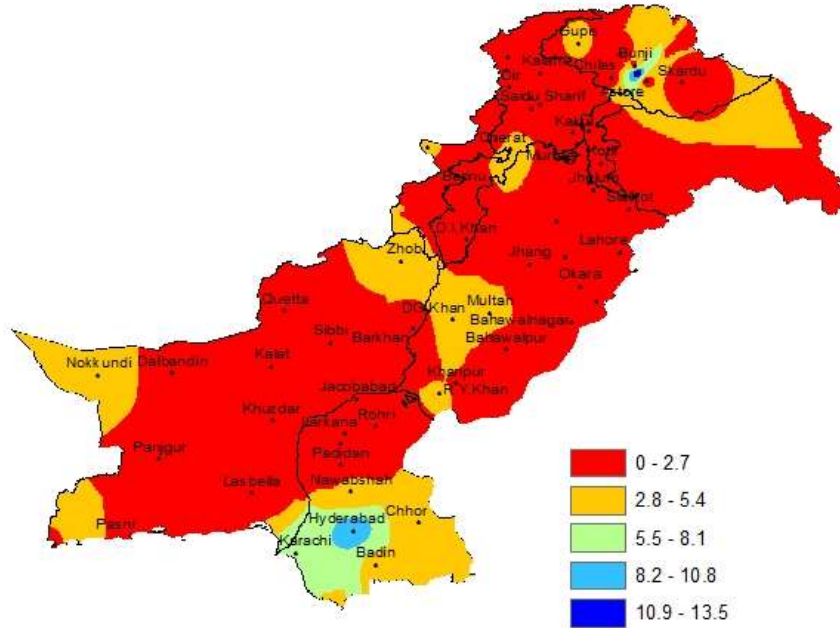
Mean Relative Humidity (%) during the Previous week (from 28th March to 3rd April, 2016)



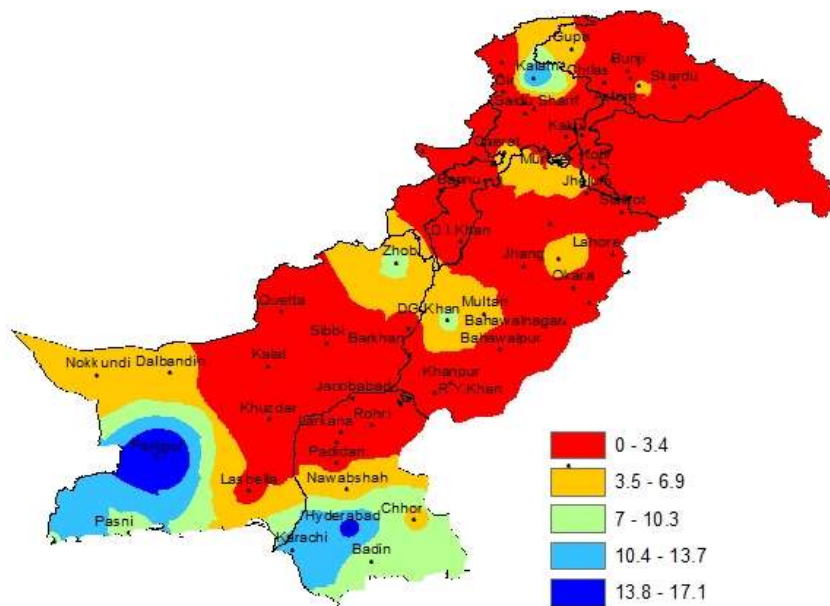
Total Growing Degree Days accumulated during the Previous week (from 28th March to 3rd April, 2016)



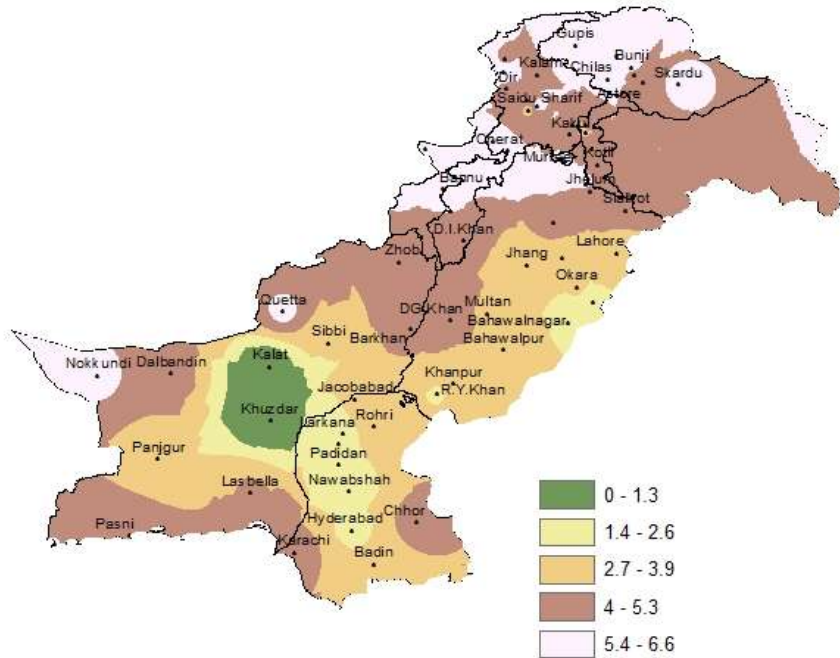
Mean Wind Speed (Knots) at 0300 PST during the Previous week (from 28th March to 3rd April, 2016)



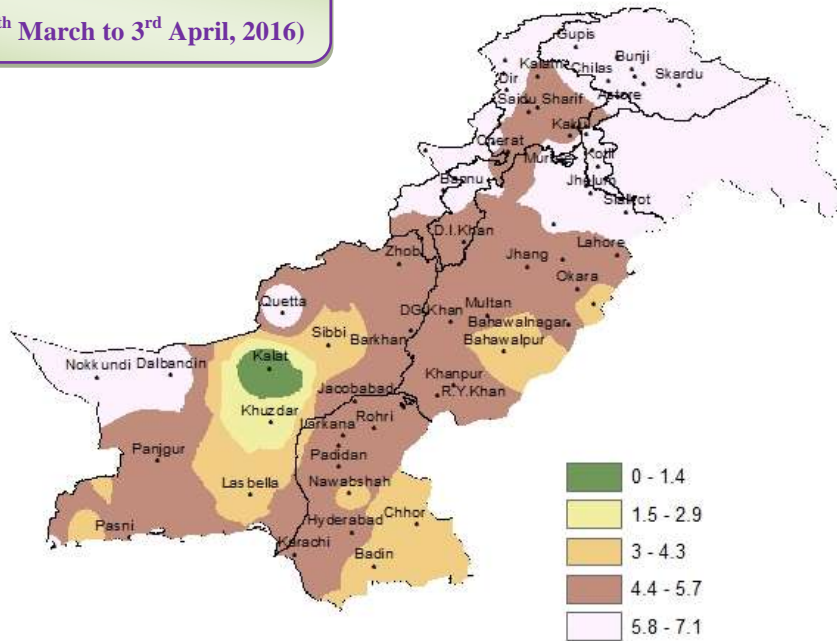
Mean Wind Speed (Knots) at 1200 PST during the Previous week (from 28th March to 3rd April, 2016)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 28th March to 3rd April, 2016)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (from 28th March to 3rd April, 2016)



Weekly Weather Advisory for Farmers
(from 4th to 9th April, 2016)

A westerly wave is affecting western and upper parts of the country and likely to persist during next 24 hours. Another fresh western disturbance is expected to approach western and upper parts of the country from Thursday (evening/night)

MONDAY

04-04-2016

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

TUESDAY

05-04-2016

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

WEDNESDAY

06-04-2016

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

THURSDAY

07-04-2016

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

FRIDAY

08-04-2016

Rain-thunderstorm with gusty winds is expected at scattered places in KP, FATA, north Balochistan (Quetta, Zhob, Kalat divisions), Rawalpindi, Sargodha divisions, Islamabad, Gilgit-Baltistan and Kashmir. Dry weather elsewhere in the country.

SATURDAY

09-04-2016

Rain-thunderstorm with gusty winds is expected at scattered places in KP, FATA, north Balochistan (Quetta, Zhob, Kalat divisions), Rawalpindi, Gujranwala, Sargodha divisions, Islamabad, Gilgit-Baltistan and Kashmir. Dry weather elsewhere in 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 28th March to 3rd April, 2016)**

Stations	Minimum/Night Temperature (°C)		Growing Degree Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Oktas) 0800PST	Cloudiness (Oktas) 1700PST	Wind Speed (Knots) 0800PST	Wind Speed (Knots) 1700PST
	Mean	Lowest							
Astore	3.2	1.0	23.3	67	103.2	4.4	6.6	0.9	4.3
Badin	22.0	20.0	168.5	55	0.0	3.2	3.9	4.7	7.7
Bahawalnagar	20.8	16.8	163.9	54	0.0	2.6	4.6	0.0	2.3
Bahawalpur	19.0	16.9	157.4	55	0.0	3.1	3.7	0.6	1.1
Balakot	11.2	10.2	86.8	63	40.6	5.6	5.7	1.0	1.3
Bannu	12.9	10.0	106.9	70	11.1	5.6	6.3	0.9	0.0
Barkhan	16.3	14.0	123.8	34	0.0	4.7	5.3	0.9	2.3
Bunji	11.2	8.9	76.9	64	24.8	6.4	7.1	1.4	0.6
Cherat	10.6	7.5	67.0	69	21.0	5.6	5.4	4.9	4.4
Chhor	20.3	17.5	168.4	54	0.0	4.6	2.9	2.9	6.6
Chilas	11.0	7.5	73.5	56	100.0	6.4	7.0	1.1	2.0
Chitral	7.5	5.2	52.8	78	74.9	5.1	6.3	0.0	0.3
D.I.Khan	19.1	16.5	139.3	68	1.1	4.6	4.7	0.3	0.9
Dalbandin	11.2	7.0	117.3	34	4.1	4.6	6.3	1.4	4.3
D.G.Khan	17.9	15.1	142.8	59	0.0	4.4	4.4	4.9	7.4
Dir	5.0	2.5	47.3	79	133.0	5.1	7.0	0.0	1.6
Drosh	7.4	5.6	51.5	68	48.6	5.7	7.1	0.0	0.9
Faisalabad	19.0	15.0	146.2	53	0.0	2.6	3.9	0.9	1.1
Garidopatta	11.7	10.3	94.0	70	19.8	3.9	6.4	0.9	1.1
Gawader	19.3	18.0	144.3	69	0.0	4.3	3.0	4.0	12.6
Gilgit	7.9	5.5	62.0	66	57.4	5.6	7.1	0.0	0.9
Gupis	4.9	3.0	33.0	59	38.0	6.3	6.7	3.4	4.0

Hyderabad	21.5	19.5	170.7	52	0.0	2.3	4.6	9.7	14.6
Islamabad	13.6	9.0	109.2	67	0.4	5.7	5.9	0.0	4.0
Jacobabad	21.6	19.0	164.8	46	0.1	2.7	5.3	0.9	2.3
Jhang	17.5	15.0	139.3	66	0.0	2.7	4.9	0.0	0.0
Jhelum	17.2	15.6	133.7	60	0.3	4.6	6.6	0.0	2.0
Jiwani	21.6	21.0	146.5	70	0.0	5.3	6.1	2.3	10.0
Kakul	10.6	9.0	79.2	61	23.0	4.3	5.4	0.0	0.3
Kalam	3.1	0.5	23.0	78	155.0	5.0	5.4	0.0	13.6
KLT	8.1	6.0	76.0	37	0.0	0.0	0.0	0.0	0.0
Karachi	23.6	21.5	163.9	65	0.0	4.9	4.9	6.3	10.6
Khanpur	20.7	16.8	155.0	51	0.0	2.9	5.3	2.6	0.9
Khuzdar	18.3	18.0	125.5	17	0.0	0.0	2.1	0.0	0.0
Kotli	16.6	15.0	119.8	62	1.0	5.1	5.9	1.1	2.7
Lahore	20.0	16.5	134.0	47	0.0	3.7	5.7	0.6	2.6
Larkana	22.5	20.0	171.8	43	0.0	2.3	4.9	1.7	2.3
Lasbella	20.0	16.1	162.0	55	0.0	4.1	4.1	0.0	3.1
Lower Dir	13.0	11.5	89.8	77	54.0	4.7	5.3	2.3	2.6
M.B Din	18.2	15.5	141.4	61	0.2	4.9	5.9	0.9	2.3
Malam Jabba	3.9	2.0	23.8	73	221.0	5.9	5.4	1.7	3.1
Mangla	16.3	14.1	127.6	63	0.1	5.6	6.3	1.7	5.1
Mir Khani	6.9	6.0	54.3	74	58.0	4.1	6.1	14.3	0.9
Moinjodaro	20.4	16.5	164.1	53	0.0	2.6	4.4	2.0	3.4
Multan	20.1	17.8	150.9	57	0.0	3.9	4.4	4.0	4.3
Murree	10.0	9.0	64.3	58	14.4	4.6	6.0	1.7	2.7
Muzaffarabad	11.3	10.2	89.2	70	28.0	3.3	5.3	0.9	0.9
Nawabshah	18.4	15.5	168.0	44	0.0	2.6	4.0	3.4	5.7

Nokkundi	19.1	14.5	142.3	17	0.2	5.6	6.3	4.6	3.4
Okara	19.7	16.5	155.9	54	0.0	2.7	4.9	0.9	2.3
Padidan	21.9	18.0	174.5	45	0.0	2.6	5.3	1.4	2.9
Panjgur	15.3	13.0	131.8	43	0.0	2.7	4.4	1.4	17.1
Parachinar	4.0	3.0	23.4	75	142.4	6.6	6.7	3.0	3.0
Pasni	21.4	19.5	148.8	74	0.0	5.1	5.0	1.7	9.1
Pattan	12.3	9.0	117.3	66	253.2	4.4	5.4	0.0	0.0
Peshawar	16.9	15.0	117.3	68	46.1	5.9	5.9	1.1	1.7
Quetta	12.0	10.0	89.0	43	0.1	6.1	6.4	2.3	3.8
R.Y.Khan	20.6	16.7	166.2	50	0.0	2.6	4.7	2.9	0.9
Rawalpindi	16.4	14.5	121.2	61	1.0	4.8	6.0	0.3	1.8
Rawalakot	8.0	5.5	69.2	70	11.3	5.1	5.7	0.0	0.9
Sahiwal	17.8	14.0	145.3	58	0.0	2.3	3.3	0.6	2.3
Saidu Sharif	11.3	9.5	80.3	71	108.0	3.4	5.4	0.0	0.0
Sialkot	16.4	9.5	131.7	61	2.1	4.0	5.7	0.3	0.6
Sibbi	15.4	12.0	144.3	42	0.0	2.9	3.1	0.0	1.4
Skardu	5.7	2.2	49.2	56	22.0	5.7	6.9	0.0	3.0
Tandojam	19.4	15.0	164.5	55	0.0	1.9	2.1	1.1	2.5
Usta.M	19.6	16.5	159.9	50	0.0	1.9	3.3	1.1	3.1
Zhob	12.6	11.0	97.5	50	13.0	4.3	5.3	5.0	7.3

*** Shows that data was not available.