

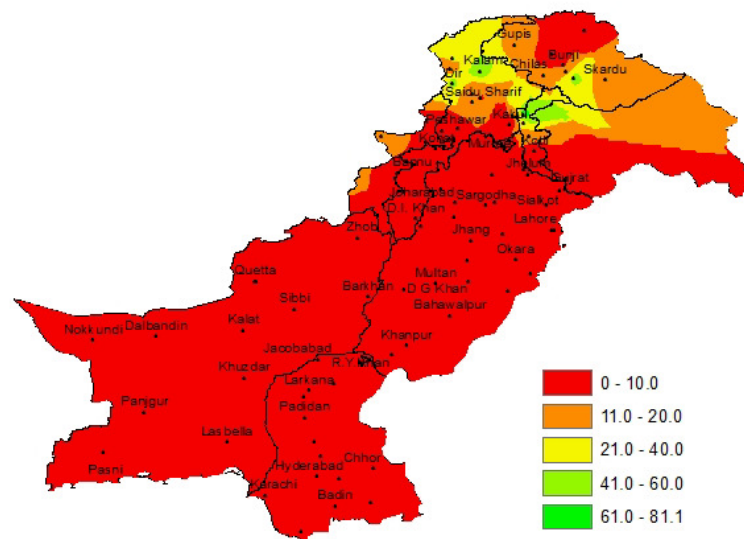
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the
Previous Week (from 21st to 27th March, 2016)**



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Highlights of Past Weather (from 21st to 27th March, 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 Sindh.
- Light to moderate rainfall reported at many places in Balochistan, Khyber Pakhtunkhwa, Punjab and Gilgit-Baltistan & Kashmir regions.

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 21st to 27th**March, 2016)****Punjab**

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 28.2°C & 14.3°C respectively. For the present season average 113.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 59% and wind speed in the morning/evening recorded 2.0/4.3 Knots. During the previous week the highest amount of rainfall was recorded 17.2mm at Murree & lowest minimum temperature recorded 2.4°C at Murree.

Sindh

Light rainfall reported at few places in Sindh during the week. Weekly maximum and minimum temperatures recorded 35.2°C & 19.1°C respectively. For the present season average 155.7 growing degree days accumulated by the end of last week. Average relative humidity recorded 47% and wind speed in the morning/evening recorded 1.6/4.5Knots. During the previous week the highest amount of rainfall was recorded 1.0mm at Jacobabad & lowest minimum temperature recorded 13.0°C at Sukkur.

Khyber Pakhtunkhwa

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 20.5°C & 7.9°C respectively. For the present season average 64.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 63% and wind speed in the morning/evening recorded 1.4/2.3Knots. During the previous week the highest amount of rainfall was recorded 83.6mm at Pattan & the lowest minimum temperature recorded -3.0°C at Kalam.

Balochistan

Light to moderate rainfall reported at many places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 28.7°C & 14.3°C respectively. For the present season average 118.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 41% and wind speed in the morning/evening recorded 2.0/5.4Knots. During the previous week the highest amount of rainfall was recorded 16.0mm at Zhob & lowest minimum temperature recorded 2.5°C at Quetta.

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 17.9°C & 5.8°C respectively. For the present season average 48.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 58% and wind speed in the morning/evening recorded 1.7/2.3Knots. During the previous week the highest amount of rainfall was recorded 55.2mm at Astore & the lowest minimum temperature recorded -2.5°C at Astore.

**Past Weather for Major Agricultural Plains
(from 21st to 27th March, 2016)**

Rawalpindi (Potohar region)

Rainfall reported as 3.0mm during the week; however cloudiness in the morning/evening recorded 3.7/2.4 Oktas while, average relative humidity observed 59%. Mean night time temperature recorded 12.8°C & for the present season 102.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/2.5 Knots.

Faisalabad (Central Punjab)

Rainfall reported as 2.0mm during the week; however cloudiness in the morning/evening recorded 2.4/2.9Oktas while, average relative humidity observed as 60%. Mean night time temperature recorded 15.4°C & for the present season 119.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.2/1.9K nots.

Tandojam (Lower Sindh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.3/1.1Oktas while, average relative humidity observed as 47%. Mean night time temperature recorded 17.9°C & for the present season 150.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/1.1 Knots.

Quetta (Northern Baluchistan)

Rainfall reported as 1.8mm during the week; however cloudiness in the morning/evening recorded 2.3/3.9Oktas while, average relative humidity observed as 27%. Mean night time temperature recorded 7.1°C & for the present season 61.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.6/2.8 Knots.

Usta Muhammad (Eastern Balochistan)

Rainfall reported as 2.0mm during the week; however cloudiness in the morning/evening recorded 0.2/0.2Oktas while, average relative humidity observed as 51%. Mean night time temperature recorded 16.9°C & for the present season 140.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/1.7 Knots.

**Past Weather for Sub-Regional Agricultural
Plains (from 21st to 27th March, 2016)**

Multan

Rainfall reported as 9.8mm during the week; however cloudiness in the morning/evening recorded 3.1/4.1Oktas while, average relative humidity observed as 60%. Mean night time temperature recorded 17.0°C & for the present season 128.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.0/8.0 Knots.

Lahore

Rainfall reported as 0.2mm during the week; however cloudiness in the morning/evening recorded 2.6/2.0Oktas while, average relative humidity observed as 49%. Mean night time temperature recorded 16.3°C & for the present season 126.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/5.8 Knots.

Zhob

Rainfall reported as 16.0mm during the week; however cloudiness in the morning/evening recorded 3.4/4.3Oktas while, average relative humidity observed as 38%. Mean night time temperature recorded 9.8°C & for the present season 75.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/5.0 Knots.

D.I. Khan

Rainfall reported as 1.1mm during the week; however cloudiness in the morning/evening recorded 2.7/3.0Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded 15.5°C & for the present season 117.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/2.3 Knots.

Peshawar

Rainfall reported as 12.0mm during the week; however cloudiness in the morning/evening recorded 3.9/3.6Oktas while, average relative humidity observed as 60%. Mean night time temperature recorded 13.4°C & for the present season 104.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/2.0 Knots.

Murree

Rainfall reported as 17.2mm during the week; however cloudiness in the morning/evening recorded 3.3/3.6 Oktas while, average relative humidity observed as 47%. Mean night time temperature recorded 7.6°C & for the present season 46.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.3/3.4 Knots.

Kalam

Rainfall reported as 57.0mm during the week; however cloudiness in the morning/evening recorded 4.6/4.9Oktas while, average relative humidity observed as 68%. Mean night time temperature recorded -1.0°C & for the present season 3.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.0 Knots.

Gilgit

Rainfall reported as 6.4mm during the week; however cloudiness in the morning/evening recorded 6.1/6.0Oktas while, average relative humidity observed as 57%. Mean night time temperature recorded 6.6°C & for the present season 52.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/2.3 Knots.

Skardu

Rainfall reported as 19.0mm during the week; however cloudiness in the morning/evening recorded 6.0/5.9Oktas while, average relative humidity observed as 59%. Mean night time temperature recorded 1.9°C & for the present season 20.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.9 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 *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.

Lower Sindh (Tandojam)

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

Wheat: Good condition at *Full Maturity* stage.

Northern Balochistan (Quetta)

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

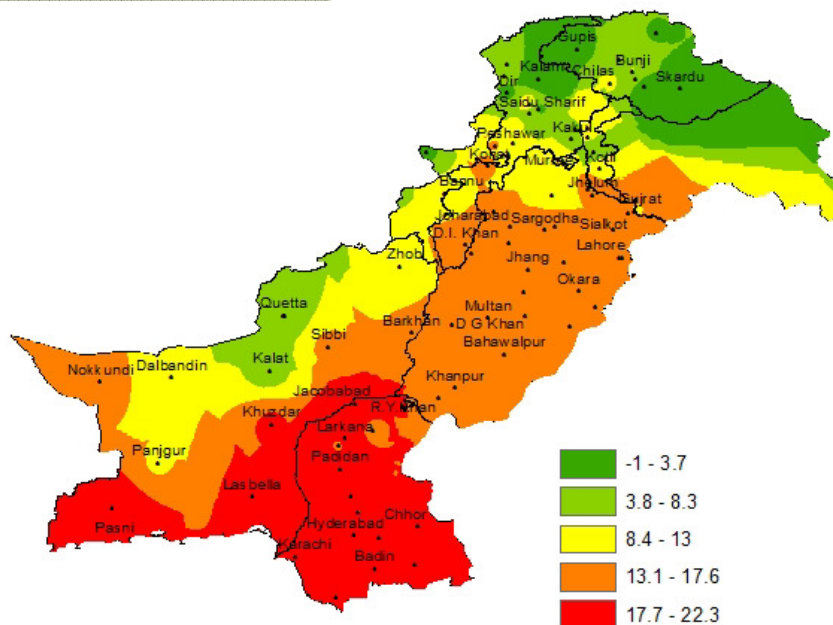
Wheat: Good condition at *Shooting* stage.

Eastern Balochistan (Usta Muhammad)

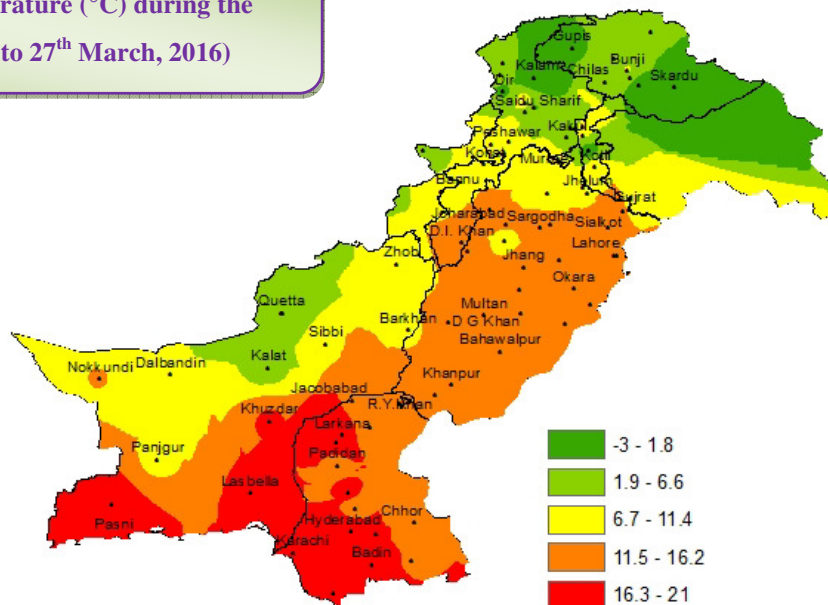
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Wheat: Good condition at *Harvesting* stage.

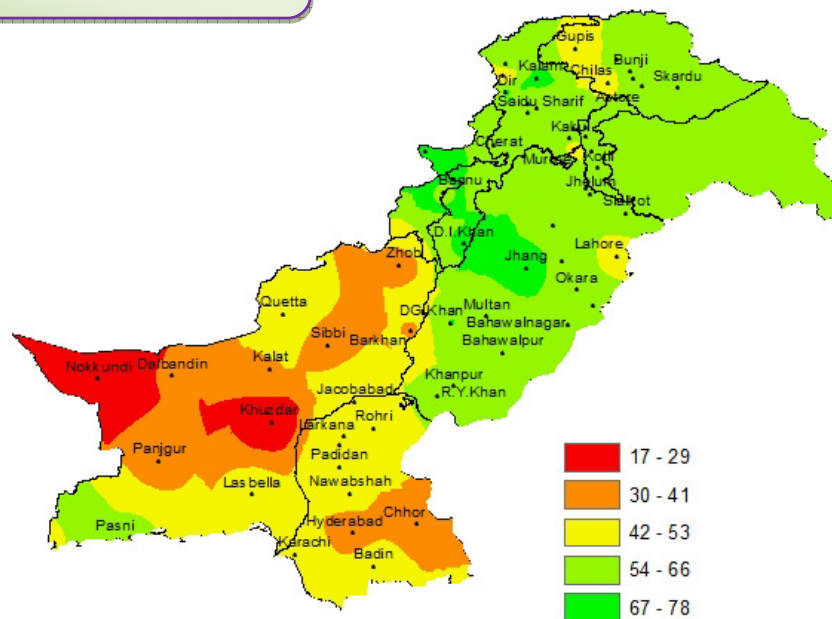
Mean Minimum Temperature (°C) during the
Previous week (from 21st to 27th March, 2016)



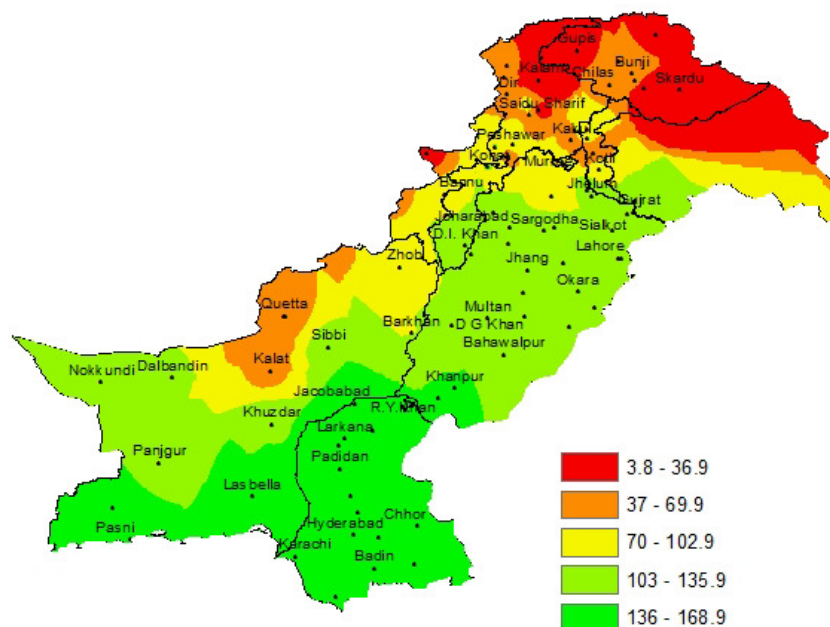
Lowest Minimum Temperature (°C) during the
Previous week (from 21st to 27th March, 2016)



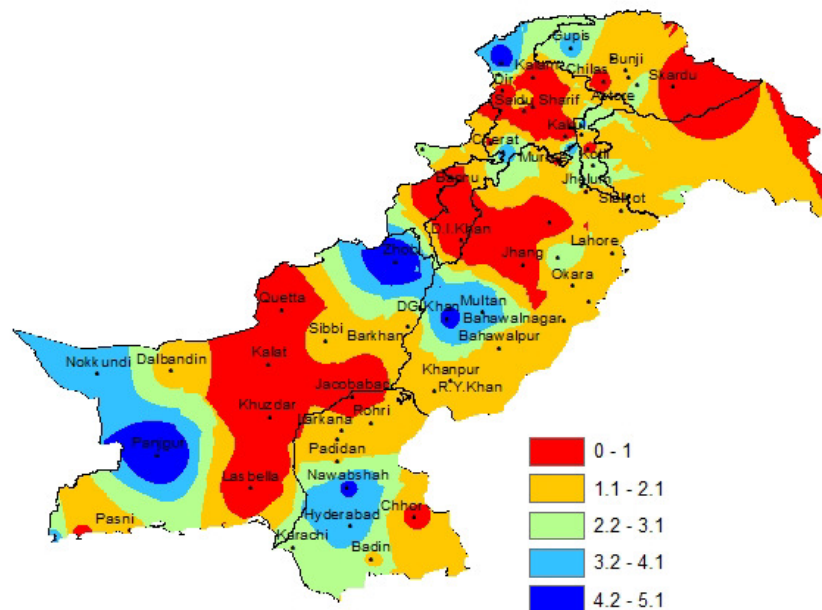
Mean Relative Humidity (%) during the
Previous week (from 21st to 27th March, 2016)



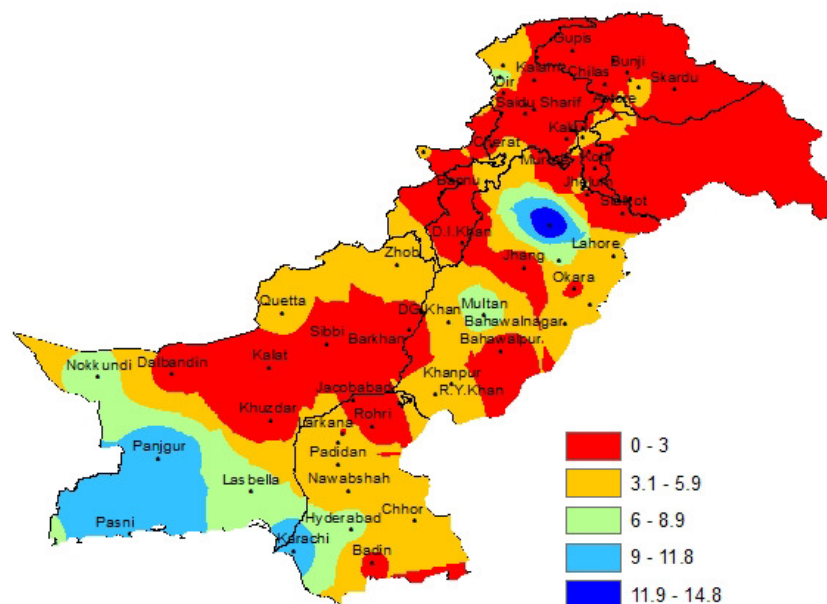
Total Growing Degree Days accumulated during the
Previous week (from 21st to 27th March, 2016)



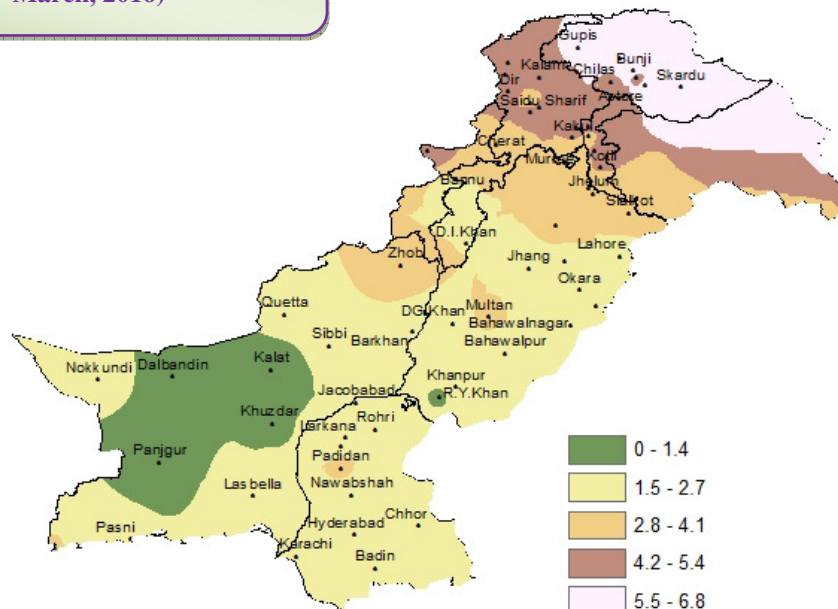
Mean Wind Speed (Knots) at 0300 PST during the
Previous week (from 21st to 27th March, 2016)



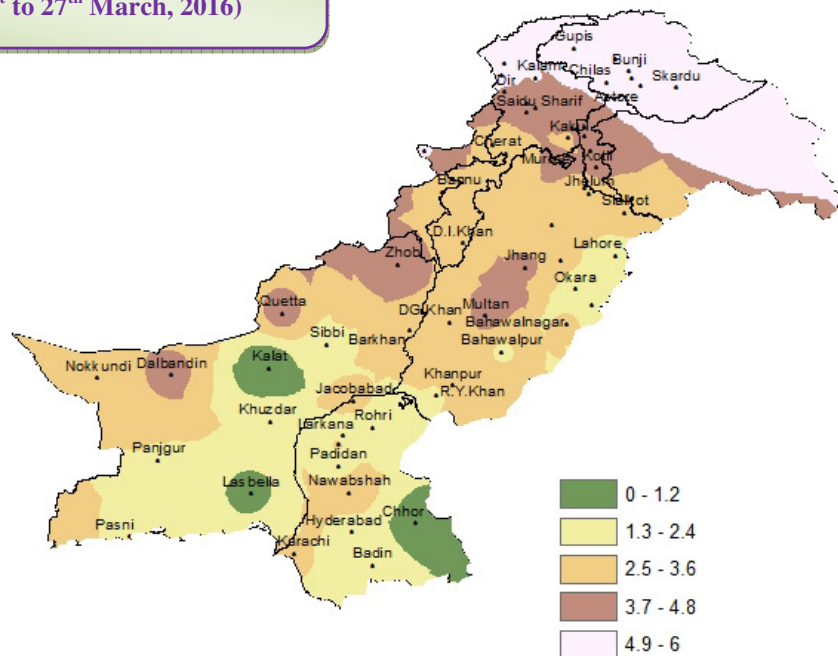
Mean Wind Speed (Knots) at 1200 PST during the
Previous week (from 21st to 27th March, 2016)



Mean Cloudiness (Oktas) at 0800PST during the
Previous week (21st to 27th March, 2016)



Mean Cloudiness (Oktas) at 1700PST during the
Previous week (from 21st to 27th March, 2016)



Weekly Weather Advisory for Farmers**(From 28th March to 2nd April, 2016)**

Continental air would prevail over most parts of the country during next 2 to 3 days. Westerly wave is still affecting extreme northern parts of the country and likely to move northeast-ward during next 12 hours. Another westerly wave is likely to enter western parts of the country on Thursday and likely grip upper parts on Friday/Saturday and may persist over parts of the country during 3 to 4 days.

MONDAY**28-03-2016**

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

TUESDAY**29-03-2016**

Mainly dry weather is expected in most parts of the country. However, light rain-thunderstorm is expected at a few places in Kashmir and Baltistan.

WEDNESDAY**30-03-2016**

Mainly dry weather is expected in most parts of the country. However, light rain-thunderstorm is expected at a few places in Quetta, Zhob, Malakand divisions, upper FATA, GB and Kashmir.

THURSDAY**31-03-2016**

Mainly dry weather is expected in most parts of the country. However, rain-thundershower is expected at isolated places in Quetta, Zhob, Kalat, Malakand, Hazar divisions, FATA, Gilgit-Baltistan and Kashmir.

FRIDAY**01-04-2016**

Mainly dry weather is expected in most parts of the country. However, rain-thundershower is expected at isolated places in Quetta, Zhob, Sibbi, Malakand, Hazar, Sargodha, Rawalpindi divisions, FATA, Gilgit-Baltistan and Kashmir.

SATURDAY**02-04-2016**

Rain-thundershower is expected at scattered places in upper KP, FATA and Kashmir, while at isolated places Islamabad, lower KP, Sargodha, Rawalpindi and Zhob divisions, Gilgit-Baltistan.

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 21st to 27th March, 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	0.0	-2.5	5.5	61	55.2	5.7	5.7	2.6	3.4
Badin	21.9	21.0	168.9	46	0.0	1.9	1.7	2.0	2.6
Bahawalnagar	16.5	14.5	132.8	58	1.0	2.3	2.6	1.4	3.7
Bahawalpur	15.8	13.6	127.9	62	4.3	1.4	2.3	1.1	0.9
Balakot	7.7	5.0	68.4	63	17.0	4.6	3.7	0.0	0.7
Bannu	10.3	8.0	92.4	65	10.4	2.1	3.0	0.0	2.0
Barkhan	13.5	10.5	102.7	40	9.0	2.3	3.3	1.4	0.9
Bunji	8.7	7.2	59.9	56	12.0	6.9	6.0	1.7	0.9
Cherat	8.4	7.0	54.3	61	15.0	2.7	2.9	3.7	5.1
Chhor	18.2	15.2	161.5	38	0.0	2.4	0.6	0.9	3.1
Chilas	8.6	6.5	65.2	48	20.5	5.1	5.3	0.9	2.6
Chitral	5.2	3.0	43.2	58	33.8	4.6	5.1	5.1	4.6
D.I.Khan	15.5	14.5	117.3	67	1.1	2.7	3.0	0.3	2.3
Dalbandin	10.6	7.0	105.8	30	0.0	1.1	3.9	1.7	2.0
DG.Khan	15.5	14.5	118.8	66	13.6	2.1	2.9	4.3	5.4
Dir	2.4	1.0	38.3	67	52.0	4.4	4.7	0.0	2.1
Drosh	5.2	3.7	44.5	44	25.3	4.9	5.3	2.9	7.7
Faisalabad	15.4	12.5	119.8	60	2.0	2.4	2.9	1.2	1.9
Garidopatta	8.6	6.7	76.1	66	42.4	3.9	4.4	0.9	5.3
Gawader	20.1	19.0	150.2	57	0.1	2.3	2.4	0.6	10.6
Gilgit	6.6	4.0	52.4	57	6.4	6.1	6.0	1.1	2.3

Gupis	1.2	0.5	15.0	49	28.7	5.9	5.6	3.4	2.6
Hyderabad	21.1	18.5	164.2	37	0.0	1.6	2.0	4.0	6.6
Islamabad	10.8	8.0	90.1	64	2.1	3.7	3.9	0.9	1.4
Jacobabad	19.6	16.0	151.0	49	1.0	2.0	2.7	0.3	2.9
Jhang	14.0	12.3	113.6	70	11.4	1.4	3.9	0.0	0.3
Jhelum	13.3	11.4	107.1	60	4.4	3.0	2.7	0.9	2.0
JWN	20.9	20.0	145.6	51	0.0	2.9	3.4	3.4	7.7
Kakul	7.2	5.0	63.8	57	8.0	4.1	3.4	0.0	0.6
Kalam	-1.0	-3.0	3.8	68	57.0	4.6	4.9	0.0	0.0
Kalat	5.9	4.0	54.3	41	0.0	0.0	0.0	0.0	0.0
Karachi	22.3	19.0	167.6	48	0.0	2.6	2.6	2.3	10.3
Khanpur	17.0	15.0	136.7	57	0.1	1.7	2.9	1.7	3.4
Khuzdar	18.5	17.0	132.2	18	0.0	1.0	2.0	0.3	2.0
Kotli	12.7	10.0	97.3	56	8.0	4.1	4.0	3.0	1.4
Lahore	16.3	14.0	126.0	49	0.2	2.6	2.0	1.7	5.4
Larkana	20.6	18.5	157.8	49	0.0	2.4	2.0	1.1	2.7
Lasbella	18.7	17.0	159.2	48	0.0	2.5	1.0	0.3	7.1
Lower Dir	10.6	8.5	81.6	64	19.0	3.6	4.0	2.0	1.7
M.B Din	15.0	12.8	114.0	61	4.0	3.6	2.6	0.3	14.9
Malam Jabba	2.0	1.0	10.5	60	15.0	4.3	4.1	0.3	0.0
Mangla	13.3	11.1	105.6	57	4.9	3.6	3.6	3.1	3.7
Mir Khani	4.5	3.0	49.9	65	30.6	4.9	5.0	1.6	3.3
Moinjodaro	17.1	16.5	143.2	51	0.0	2.3	2.5	1.7	6.0
Multan	17.0	14.8	128.0	60	9.8	3.1	4.1	4.0	8.0
Murree	7.6	2.4	46.8	47	17.2	3.3	3.6	4.3	3.4
Muzaffarabad	8.2	6.5	76.1	64	21.0	4.3	4.3	0.9	2.0

Nawabshah	18.2	17.0	158.5	43	0.0	2.0	3.1	4.3	5.6
Nokkundi	14.4	11.5	119.0	17	0.1	1.7	3.1	3.7	6.3
Okara	15.7	13.4	126.3	58	1.9	2.1	1.7	1.1	2.6
Padidan	18.1	15.5	149.8	51	0.0	3.0	2.0	2.0	4.0
Panjgur	12.4	10.0	110.9	36	1.0	0.4	2.3	5.1	11.7
Parachinar	3.0	2.5	12.8	78	31.7	5.1	4.9	3.0	3.0
Pasni	20.3	18.0	150.0	56	0.0	1.7	1.9	2.0	9.7
Pattan	10.0	7.0	72.9	60	83.6	4.4	4.3	4.1	2.3
Peshawar	13.4	10.7	104.7	60	12.0	3.9	3.6	0.9	2.0
Quetta	7.1	3.2	61.9	27	1.8	2.3	3.9	1.6	2.8
R.Y.Khan	17.4	14.8	139.1	56	0.1	1.3	2.3	1.7	3.7
Rawalpindi	12.8	9.5	102.1	59	3.0	3.7	2.4	0.3	2.5
Rawalakot	4.1	-1.0	45.2	59	22.6	4.3	3.9	0.6	1.7
Sahiwal	14.8	13.5	120.3	61	4.1	1.9	2.0	2.0	4.0
Saidu Sharif	8.0	6.5	72.4	64	31.0	4.6	3.6	0.6	0.0
Sialkot	15.2	13.8	114.0	59	1.8	2.9	3.0	2.0	1.4
Sibbi	14.4	11.0	134.8	39	0.1	2.0	2.0	1.4	1.1
Skardu	1.9	-1.2	20.0	59	19.0	6.0	5.9	0.0	0.9
Tandojam	17.9	15.0	150.8	47	0.0	1.3	1.1	0.5	1.1
Usta.M	16.9	14.0	140.8	51	2.0	0.2	0.2	1.4	1.7
Zhob	9.8	7.0	75.4	38	16.0	3.4	4.3	5.0	5.0

*** Shows that data was not available.