

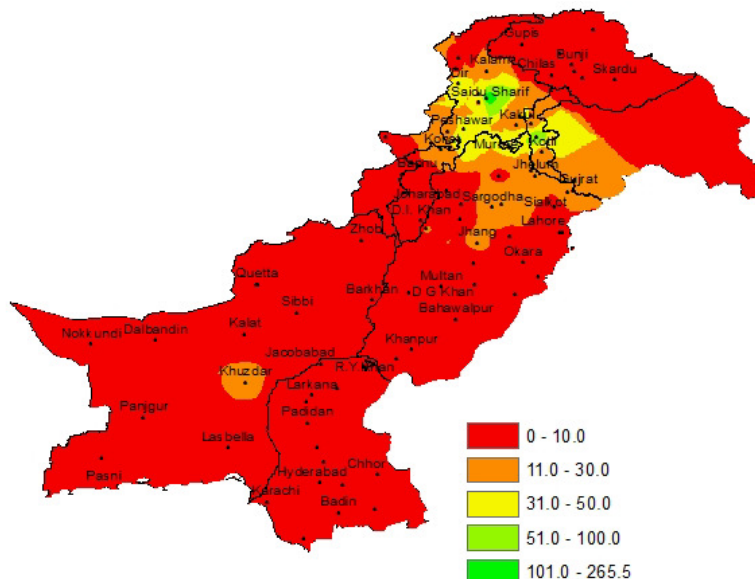
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the
Previous Week (from 7th to 13th Mar, 2016)**



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Highlights of Past Weather (from 7th to 13th 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 to moderate rainfall reported at many places in Sindh and Balochistan.
- Moderate to heavy rainfall reported at many places in 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 7th to 13th Mar, 2016)

Punjab

Moderate to heavy rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 25.9°C & 13.7°C respectively. For the present season average 103.8 growing degree days accumulated by the end of last week. Average relative humidity recorded 71% and wind speed in the morning/evening recorded 1.7/3.6Knots. During the previous week the highest amount of rainfall was recorded 182.0mm at Kamra & lowest minimum temperature recorded 3.0°C at Murree.

Sindh

Light to moderate rainfall reported at many places in Sindh during the week. Weekly maximum and minimum temperatures recorded 31.0°C & 17.1°C respectively. For the present season average 133.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 63% and wind speed in the morning/evening recorded 2.6/8.0Knots. During the previous week the highest amount of rainfall was recorded 23.1mm at Moin-Jo-Daro & the lowest minimum temperature recorded 11.7°C at Dadu.

Khyber Pakhtunkhwa

Moderate to heavy rainfall reported at many places in Khyber Pakhtunkhwa province during the week. Weekly maximum and minimum temperatures recorded 20.2°C & 7.9°C respectively. For the present season average 63.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 72% and wind speed in the morning/evening recorded 1.1/2.0Knots. During the previous week the highest amount of rainfall was recorded 26.9mm at Malam Jabba & the lowest minimum temperature recorded -1.0°C at Kalam.

Balochistan

Light to moderate rainfall reported at many places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 23.5°C & 11.9°C respectively. For the present season average 88.8 growing degree days accumulated by the end of last week. Average relative humidity recorded 61% and wind speed in the morning/evening recorded 1.4/5.3Knots. During the previous week the highest amount of rainfall was recorded 60.8mm at Khuzdar & lowest minimum temperature recorded 0.0°C at Kalat.

Gilgit-Baltistan and Azad Jammu & Kashmir

Moderate to heavy rainfall reported at many places in Gilgit-Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 19.9°C & 7.3°C respectively. For the present season average 60.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 58% and wind speed in the morning/evening recorded 0.8/2.2Knots. During the previous week the highest amount of rainfall was recorded 203.9mm at Rawalakot & the lowest minimum temperature recorded -0.5°C at Astore.

Past Weather for Major Agricultural Plains
(from 7th to 13th Mar, 2016)

Rawalpindi (Potohar region)

Rainfall reported as 116.4mm during the week; however cloudiness in the morning/evening recorded 3.8/4.3Oktas while, average relative humidity observed 74%. Mean night time temperature recorded 13.1°C & for the present season 93.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.2Knots.

Faisalabad (Central Punjab)

Rainfall reported as 29.4mm during the week; however cloudiness in the morning/evening recorded 3.1/4.6Oktas while, average relative humidity observed as 71%. Mean night time temperature recorded 15.2°C & for the present season 107.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/2.0Knots.

Tandojam (Lower Sindh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.9/2.1Oktas while, average relative humidity observed as 59%. Mean night time temperature recorded 16.4°C & for the present season 134.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/1.8Knots.

Quetta (Northern Baluchistan)

Rainfall reported as 29.9mm during the week; however cloudiness in the morning/evening recorded 4.0/4.8Oktas while, average relative humidity observed as 62%. Mean night time temperature recorded 6.9°C & for the present season 44.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/2.8Knots.

Usta Muhammad (Eastern Balochistan)

Rainfall reported as 3.2mm during the week; however cloudiness in the morning/evening recorded 0.0/1.3Oktas while, average relative humidity observed as 66%. Mean night time temperature recorded 14.6°C & for the present season 119.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.3Knots.

Past Weather for Sub-Regional Agricultural
Plains (from 7th to 13th Mar, 2016)

Multan

Rainfall reported as 25.6mm during the week; however cloudiness in the morning/evening recorded 3.4/6.3Oktas while, average relative humidity observed as 69%. Mean night time temperature recorded 15.7°C & for the present season 115.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.0/17.1Knots.

Lahore

Rainfall reported as 22.8mm during the week; however cloudiness in the morning/evening recorded 4.3/5.6Oktas while, average relative humidity observed as 69%. Mean night time temperature recorded 15.7°C & for the present season 114.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/3.7Knots.

Zhob

Rainfall reported as 32.0mm during the week; however cloudiness in the morning/evening recorded 2.9/5.1Oktas while, average relative humidity observed as 61%. Mean night time temperature recorded 6.6°C & for the present season 54.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.9/5.0Knots.

D.I. Khan

Rainfall reported as 43.0mm during the week; however cloudiness in the morning/evening recorded 3.1/2.9Oktas while, average relative humidity observed as 81%. Mean night time temperature recorded 14.2°C & for the present season 103.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/0.9Knots.

Peshawar

Rainfall reported as 71.0mm during the week; however cloudiness in the morning/evening recorded 4.4/5.1Oktas while, average relative humidity observed as 77%. Mean night time temperature recorded 12.6°C & for the present season 94.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/1.7Knots.

Murree

Rainfall reported as 149.0mm during the week; however cloudiness in the morning/evening recorded 4.4/4.0Oktas while, average relative humidity observed as 75%. Mean night time temperature recorded 5.8°C & for the present season 33.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.6/3.1Knots.

Kalam

Rainfall reported as 63.0mm during the week; however cloudiness in the morning/evening recorded 4.1/6.7Oktas while, average relative humidity observed as 72%. Mean night time temperature recorded 1.1°C & for the present season 19.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.1Knots

Gilgit

Rainfall reported as 0.3mm during the week; however cloudiness in the morning/evening recorded 5.4/6.1Oktas while, average relative humidity observed as 51%. Mean night time temperature recorded 8.0°C & for the present season 71.5growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/3.1Knots

Skardu

Rainfall reported as 56.0mm during the week; however cloudiness in the morning/evening recorded 4.4/5.4Oktas while, average relative humidity observed as 53%. Mean night time temperature recorded 2.7°C& for the present season 33.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.0Knots.

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: Good condition at Flowering stage Completed.

Lower Sindh (Tandojam)

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

Wheat: Good condition at *Wax Maturity* stage.

Northern Balochistan (Quetta)

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

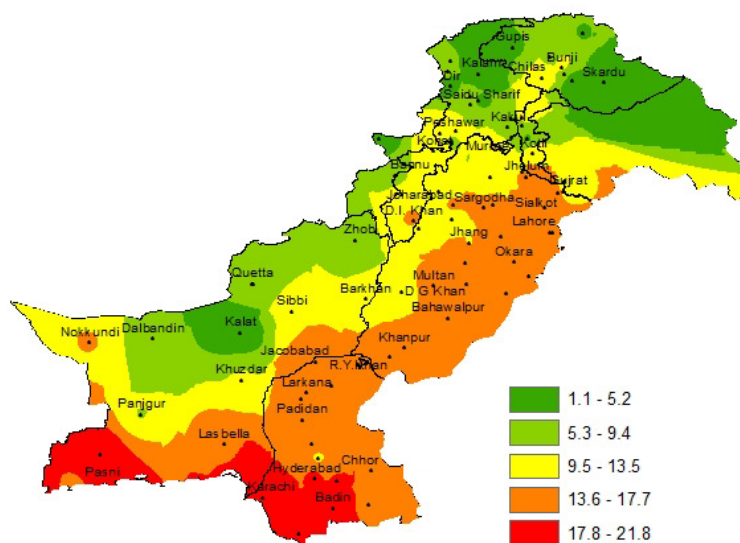
Wheat: Good condition at *Shooting* stage.

Eastern Balochistan (Usta Muhammad)

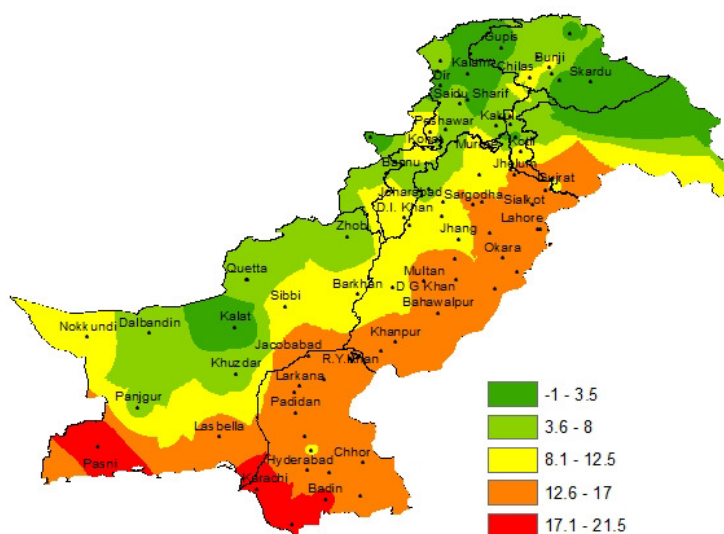
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Wheat: Good condition at *Shooting* stage.

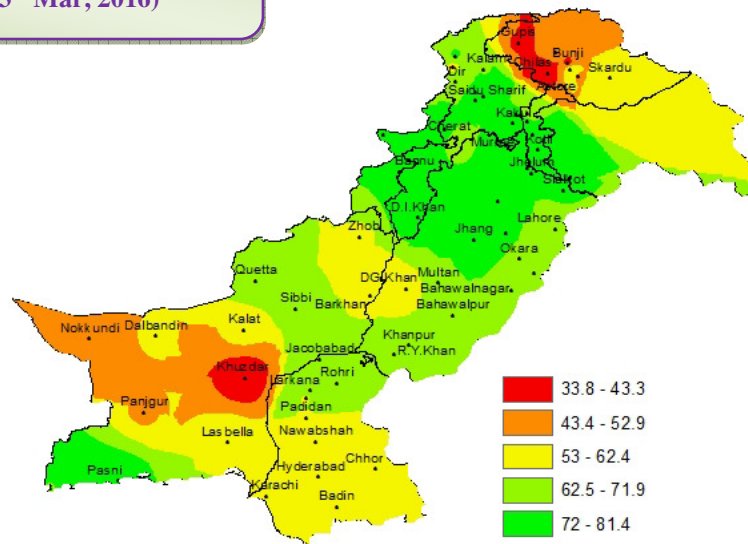
Mean Minimum Temperature (°C) during the
Previous week (from 7th to 13th Mar, 2016)



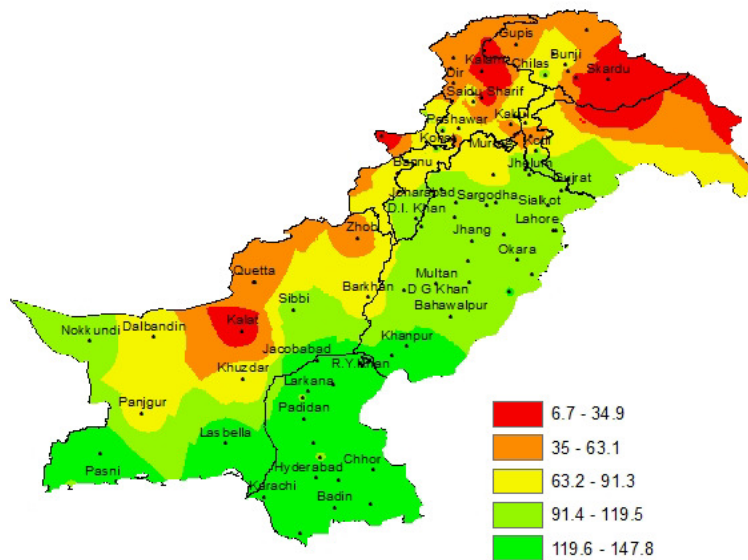
Lowest Minimum Temperature (°C) during the
Previous week (from 7th to 13th Mar, 2016)



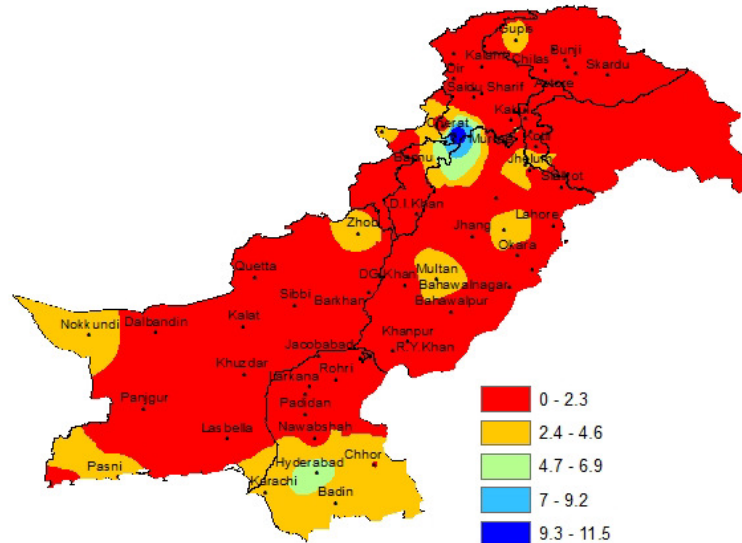
Mean Relative Humidity (%) during the
Previous week (from 7th to 13th Mar, 2016)



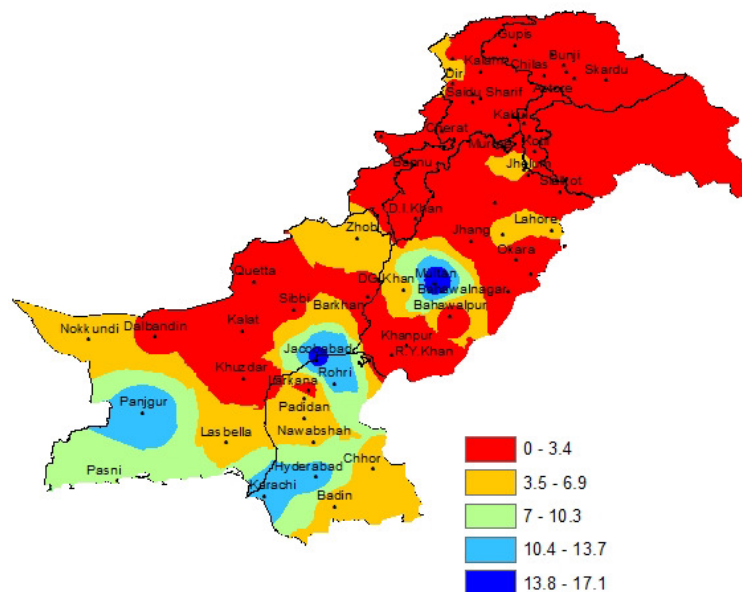
Total Growing Degree Days accumulated during the
Previous week (from 7th to 13th Mar, 2016)



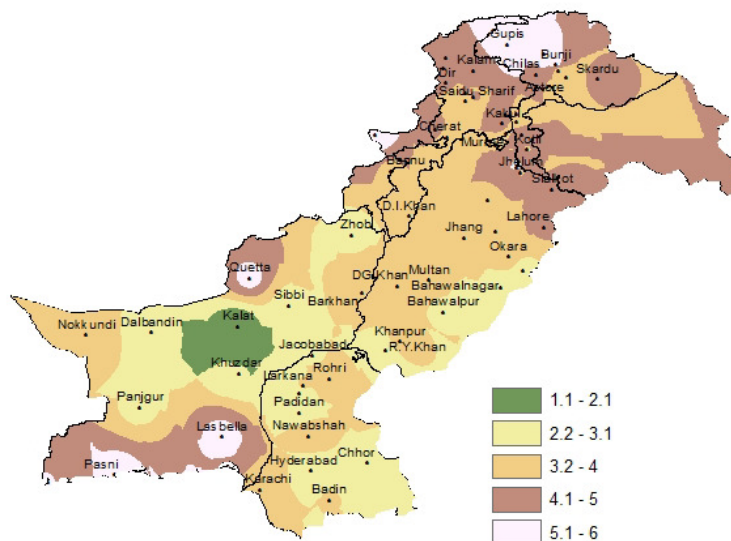
Mean Wind Speed (Knots) at 0300 PST during the Previous week (from 7th to 13th Mar, 2016)



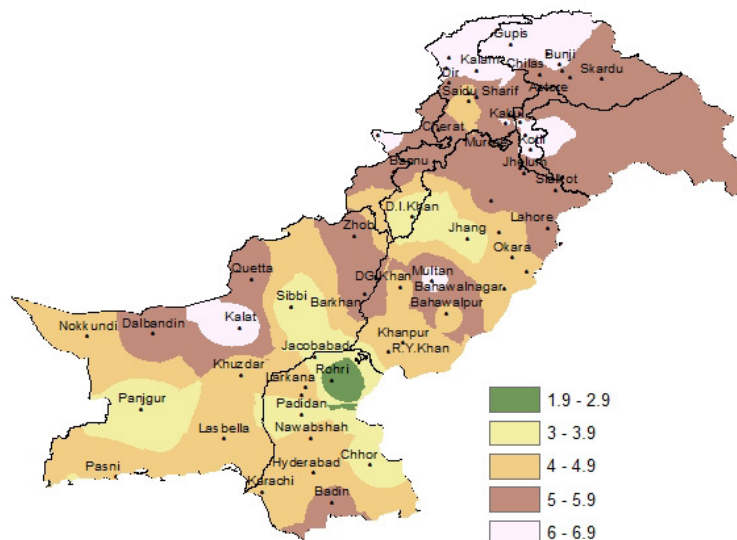
Mean Wind Speed (Knots)
Previous week (from 7th to 13th)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 7th to 13th Mar, 2016)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (from 7th to 13th Mar, 2016)



Weekly Weather Advisory for Farmers**(from 14th to 19th Mar, 2016)**

Westerly wave is still affecting upper and central parts of the country and likely to persist during next 24 to 36 hours. A fresh westerly wave is likely to approach Balochistan and upper parts of the country from Wednesday.

MONDAY**14-03-2016**

Mainly dry weather is expected in most parts of the country however isolated rain-thundershower accompanied by strong gusty winds is expected in Kashmir, Gilgit-Baltistan, Malakand, Hazara, Rawalpindi, Gujranwala divisions, Islamabad.

TUESDAY**15-02-2016**

Mainly dry weather is expected in most parts of the country. Rain-thundershower is expected at isolated places of Makran division.

WEDNESDAY**16-02-2016**

Rain-thundershower is expected at scattered places in northeast Balochistan (Quetta, Zhob, Kalat divisions), upper KP (Malakand, Hazara, Peshawar, Kohat, Bannu divisions), while at isolated places in FATA, D.I Khan Divisions, Kashmir and Gilgit-Baltistan. Dry weather is expected elsewhere in the country. Dry weather is expected elsewhere in the country.

THURSDAY**17-02-2016**

Rain-thundershower is expected at scattered places in KP, FATA, upper Punjab (Rawalpindi, Sargodha, Faisalabad, Lahore & Gujranwala divisions), Islamabad, Kashmir, northeast Balochistan (Quetta, Zhob, Sibbi, Kalat divisions) and Gilgit-Baltistan.

FRIDAY**18-02-2016**

Rain-thundershower is expected at scattered places in KP, FATA, upper Punjab (Rawalpindi, Sargodha, Faisalabad, Lahore & Gujranwala divisions), Islamabad, Kashmir, Gilgit-Baltistan and at isolated places in northeast Balochistan (Quetta, Zhob divisions).

SATURDAY**19-02-2016**

Rain-thundershower is expected at scattered places in upper KP (Malakand, Hazara, Peshawar, Mardan, Kohat divisions) Rawalpindi, Gujranwala divisions, Islamabad and Kashmir while at isolated places in Gilgit-Baltistan. Dry weather is expected 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 these 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 7th to 13th Mar, 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	1.4	-0.5	23.1	52	12.1	3.4	4.9	1.4	3.4
Badin	19.1	17.5	143.4	57	1.0	3.1	5.4	3.1	4.0
Bahawalnagar	16.4	14.5	119.9	69	42.0	2.7	4.6	0.6	2.0
Bahawalpur	15.4	13.0	119.0	72	25.1	2.9	4.7	1.1	1.4
Balakot	7.9	5.2	70.0	74	89.0	4.4	5.7	0.3	1.1
Bannu	8.9	8.0	79.5	75	33.0	3.9	5.3	0.0	1.4
Barkhan	10.3	9.0	79.2	61	0.0	3.7	5.4	0.0	1.7
Bunji	11.8	10.6	84.3	39	0.2	5.6	6.6	1.1	2.0
Cherat	8.3	5.5	51.2	68	150.0	3.6	5.0	11.6	2.6
Chhor	17.6	16.0	142.8	57	11.4	2.7	3.4	2.3	5.7
Chilas	12.0	8.3	93.0	36	4.4	4.7	5.3	1.1	3.1
Chitral	5.5	4.7	49.8	74	46.6	4.9	6.9	0.0	2.9
D.I.Khan	14.2	12.5	103.4	81	43.0	3.1	2.9	0.9	0.9
Dalbandin	6.4	5.0	74.2	54	33.5	2.4	5.6	1.2	2.3
DG.Khan	11.6	11.0	102.2	57	41.0	3.7	4.4	1.4	6.0
Dir	3.4	1.0	44.4	67	142.0	4.1	5.7	0.3	3.1
Drosh	6.3	3.5	57.7	60	40.4	4.1	6.1	0.0	5.7
Faisalabad	15.2	13.8	107.0	71	29.4	3.1	4.6	1.1	2.0
Garidopatta	8.2	6.2	74.3	74	71.0	3.9	6.1	0.6	1.7
Gawader	16.6	14.5	118.6	82	40.0	4.2	3.7	2.3	10.0
Gilgit	8.0	6.0	71.5	51	0.3	5.4	6.1	0.0	3.1
Gupis	4.1	2.0	39.0	42	1.0	6.0	6.4	2.9	2.3

Hyderabad	18.4	16.5	142.1	54	0.0	2.5	4.0	5.7	12.6
Islamabad	11.6	9.0	87.4	76	134.0	4.0	5.0	0.3	3.1
Jacobabad	16.6	13.5	121.6	65	5.2	2.9	3.7	2.1	14.9
Jhang	13.5	11.5	103.1	78	62.2	3.7	3.3	0.3	0.0
Jhelum	14.4	13.3	105.8	75	79.2	3.9	5.3	1.4	2.0
Jiwani	18.7	15.5	123.3	71	13.0	5.1	4.9	2.3	8.0
Kakul	7.2	5.5	58.7	75	67.5	4.1	6.0	0.0	0.6
Kalam	1.1	-1.0	19.0	72	63.0	4.1	6.7	0.0	1.1
Kalat	1.4	0.0	21.3	57	42.0	1.1	6.9	0.0	2.0
Karachi	21.7	19.0	147.8	62	0.1	3.9	4.4	4.3	11.1
Khanpur	15.4	13.5	119.6	68	13.0	3.7	4.6	1.1	2.3
Khuzdar	9.8	6.5	72.8	34	60.8	2.1	4.0	0.9	2.0
Kotli	13.1	12.1	93.9	72	92.0	4.0	6.1	1.9	2.6
Lahore	15.7	12.5	114.0	67	22.8	4.3	5.6	1.4	3.7
Larkana	16.4	15.5	123.7	66	21.0	3.3	4.7	2.0	1.7
Lasbella	17.5	14.0	134.8	62	15.1	5.4	4.3	0.9	5.7
Lower Dir	8.6	6.5	74.9	73	100.0	4.1	4.6	0.0	2.0
M.B Din	14.6	13.5	105.4	79	106.0	3.7	5.4	0.9	2.0
Malam Jabba	3.0	0.0	7.0	74	269.0	4.1	5.6	0.0	0.6
Mangla	13.3	12.2	99.9	76	67.0	5.4	5.6	4.7	5.4
Mir Khani	6.2	5.0	53.9	63	48.6	3.4	5.4	0.6	3.1
Moinjodaro	15.1	14.0	118.6	62	23.1	2.3	3.9	1.7	5.1
Multan	15.7	13.8	115.8	69	25.6	3.4	6.3	4.0	17.1
Murree	5.8	3.0	33.3	75	149.0	4.0	4.9	2.6	3.1
Muzaffarabad	9.0	6.5	71.2	75	129.0	4.1	5.6	0.0	2.0
Nawabshah	16.2	15.0	140.2	54	1.0	3.7	4.6	1.9	6.7

Nokkundi	13.8	10.5	104.0	46	8.1	4.0	4.6	3.3	5.1
Okara	15.4	12.8	115.6	70	11.0	3.7	4.7	1.7	1.1
Padidan	15.7	14.0	125.0	62	0.2	2.7	3.0	2.0	3.7
Panjgur	9.3	7.0	79.2	51	25.0	2.7	3.0	0.9	13.4
Parachinar	1.1	-1.0	6.5	79	45.0	5.7	6.4	3.0	3.0
Pasni	19.4	18.5	129.0	79	1.4	5.7	4.6	2.6	7.1
Pattan	11.1	9.0	90.6	63	97.0	3.7	5.3	0.0	1.4
Peshawar	12.6	10.5	94.0	77	71.0	4.4	5.1	0.6	1.7
Quetta	6.9	4.0	44.9	62	29.9	4.0	4.8	1.7	2.8
R.Y.Khan	16.2	14.8	125.6	66	12.6	2.3	3.9	1.1	0.3
Rawalakot	4.8	2.5	39.7	81	203.9	4.4	6.1	0.0	2.0
Rawalpindi	13.1	11.0	93.8	74	116.4	3.8	4.3	0.3	1.2
Sahiwal	13.9	12.5	107.9	70	4.4	2.6	4.7	1.7	1.4
Saidu Sharif	8.6	6.0	69.7	74	92.6	3.4	4.1	0.0	0.0
Sialkot	14.6	13.5	105.3	73	62.1	4.1	4.9	0.9	2.0
Sibbi	12.5	11.5	107.9	65	22.0	2.6	2.9	0.3	2.9
Skardu	2.7	1.1	33.3	53	5.6	4.4	5.4	0.0	0.0
Tandojam	16.4	13.5	134.5	59	0.0	2.9	2.1	1.4	1.8
Usta.M	14.6	13.5	119.3	66	3.2	0.0	1.3	0.0	2.3
Zhob	6.6	5.0	54.2	61	32.0	2.9	5.1	2.9	5.0

*** Shows that data was not available.