

Weekly Weather and Crop Bulletin for Pakistan

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

Phone: +92-51-9250299

Email: dirname@yahoo.com

**Rainfall Distribution (mm) during the
Previous Week (from 14th to 20th Mar, 20 16)**

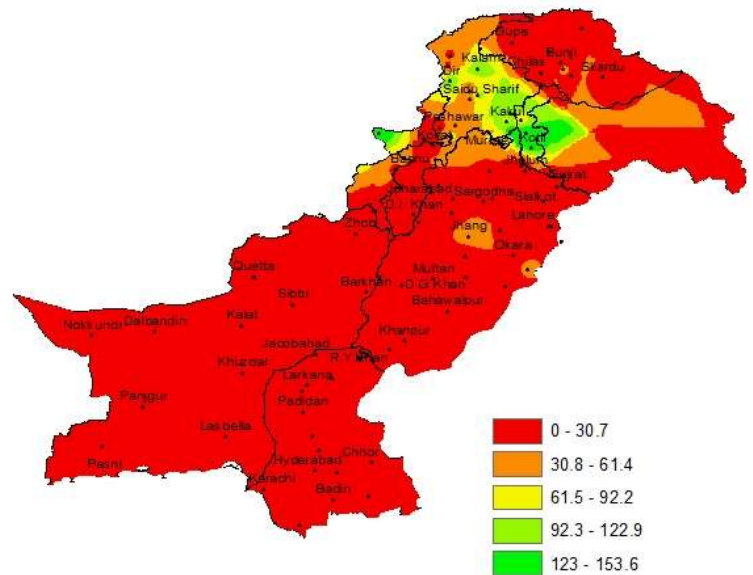
Contents

Highlights of past weather (General)	1-2
Past weather for Agri Plains	3-4
Crop progress	4
Min Temperature maps	5
R.H and GDD	6
Wind speed maps	7
Cloudiness maps	8
Farmers advisory	9
National data for selected stations	10-12

Patron-in-Chief: Dr. Ghulam Rasul (Director General)

Chief Editor: Ch. Muhammad Aslam (Director)

Editor: Asma Jawad Hashmi (Deputy Director)



Highlights of Past Weather (from 14th to 20th Mar, 20 16)

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 few places in Balochistan.
- Moderate to heavy rainfall reported at many places in Khyber Pakhtunkhwa, Punjab and Gilgit-Baltistan & Kashmir regions.
- Light rainfall reported only at single station (Jacobabad=0.1mm) in Sindh.

Past Weather of Provinces (from 14th to 20th**Mar, 2016)****Punjab**

Moderate to heavy rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 24.9°C & 13.3°C respectively. For the present season average 98.8 growing degree days accumulated by the end of last week. Average relative humidity recorded 71% and wind speed in the morning/evening recorded 1.6/2.6 Knots. During the previous week the highest amount of rainfall was recorded 151.7mm at Murree & lowest minimum temperature recorded 0.0°C at Murree.

Sindh

Light rainfall reported only at single station (Jacobabad=0.1mm) in Sindh during the week. Weekly maximum and minimum temperatures recorded 32.8°C & 18.8°C respectively. For the present season average 146.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 63% and wind speed in the morning/evening recorded 2.4/5.2Knots. During the previous week the lowest minimum temperature recorded 13.0°C at Mithi.

Khyber Pakhtunkhwa

Moderate to heavy rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 15.6°C & 6.7°C respectively. For the present season average 44.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 72% and wind speed in the morning/evening recorded 1.7/1.7Knots. During the previous week the highest amount of rainfall was recorded 148.0mm at Parachinar & the lowest minimum temperature recorded -2.5°C at Kalam.

Balochistan

Light to moderate rainfall reported at few places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 26.5°C & 14.2°C respectively. For the present season average 110.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 61% and wind speed in the morning/evening recorded 2.1/6.5Knots. During the previous week the highest amount of rainfall was recorded 20.1mm at Quetta & lowest minimum temperature recorded 2.0°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 15.3°C & 5.8°C respectively. For the present season average 39.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 58% and wind speed in the morning/evening recorded 1.4/3.0Knots. During the previous week the highest amount of rainfall was recorded 153.8mm at Rawalakot & the lowest minimum temperature recorded -0.5°C at Astore.

**Past Weather for Major Agricultural Plains
(from 14th to 20th Mar, 2016)****Rawalpindi (Potohar region)**

Rainfall reported as 53.3mm during the week; however cloudiness in the morning/evening recorded 5.0/5.6 Oktas while, average relative humidity observed 76%. Mean night time temperature recorded 12.3°C & for the present season 85.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.2/0.8Knots.

Faisalabad (Central Punjab)

Rainfall reported as 45.6mm during the week; however cloudiness in the morning/evening recorded 2.1/2.1Oktas while, average relative humidity observed as 76%. Mean night time temperature recorded 14.7°C & for the present season 107.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.6Knots.

Tandojam (Lower Sindh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.4/1.3Oktas while, average relative humidity observed as 50%. Mean night time temperature recorded 18.4°C & for the present season 152.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/2.8Knots.

Quetta (Northern Baluchistan)

Rainfall reported as 3.6mm during the week; however cloudiness in the morning/evening recorded 3.1/4.3Oktas while, average relative humidity observed as 43%. Mean night time temperature recorded 8.0°C & for the present season 59.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.2/4.1Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.3/0.8Oktas while, average relative humidity observed as 76%. Mean night time temperature recorded 15.6°C & for the present season 126.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.7Knots.

**Past Weather for Sub-Regional Agricultural
Plains (from 14th to 20th Mar, 2016)****Multan**

Rainfall reported as 5.9mm during the week; however cloudiness in the morning/evening recorded 2.3/3.7Oktas while, average relative humidity observed as 69%. Mean night time temperature recorded 15.3°C & for the present season 110.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.7/4.9Knots.

Lahore

Rainfall reported as 4.9mm during the week; however cloudiness in the morning/evening recorded 2.6/3.7Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded 14.6°C & for the present season 106.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/3.4Knots.

Zhob

Rainfall reported as 4.0mm during the week; however cloudiness in the morning/evening recorded 3.7/4.3Oktas while, average relative humidity observed as 61%. Mean night time temperature recorded 8.1°C & for the present season 59.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/4.9Knots.

D.I. Khan

Rainfall reported as 8.1mm during the week; however cloudiness in the morning/evening recorded 4.4/3.1Oktas while, average relative humidity observed as 81%. Mean night time temperature recorded 14.9°C & for the present season 98.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/1.1Knots.

Peshawar

Rainfall reported as 21.3mm during the week; however cloudiness in the morning/evening recorded 5.0/6.3Oktas while, average relative humidity observed as 77%. Mean night time temperature recorded 12.6°C & for the present season 79.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/2.0Knots.

Murree

Rainfall reported as 151.7mm during the week; however cloudiness in the morning/evening recorded 4.9/6.0 Oktas while, average relative humidity observed as 75%. Mean night time temperature recorded 2.6°C & for the present season 10.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/3.6Knots.

Kalam

Rainfall reported as 104.0mm during the week; however cloudiness in the morning/evening recorded 6.4/7.3Oktas while, average relative humidity observed as 72%. Mean night time temperature recorded -1.0°C by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.0Knots

Gilgit

Rainfall reported as 3.8mm during the week; however cloudiness in the morning/evening recorded 6.9/7.4Oktas while, average relative humidity observed as 51%. Mean night time temperature recorded 6.9°C & for the present season 51.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/7.4Knots

Skardu

Rainfall reported as 29.2mm during the week; however cloudiness in the morning/evening recorded 6.7/7.4Oktas while, average relative humidity observed as 53%. Mean night time temperature recorded 2.4°C& for the present season 17.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.4/2.7Knots.

**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 *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.

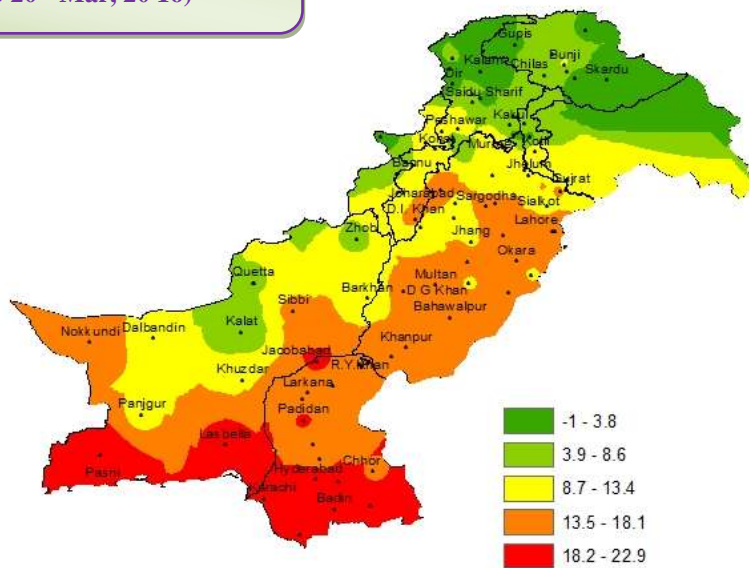
Wheat: Good condition at *shooting* stage.

Eastern Balochistan (Usta Muhammad)

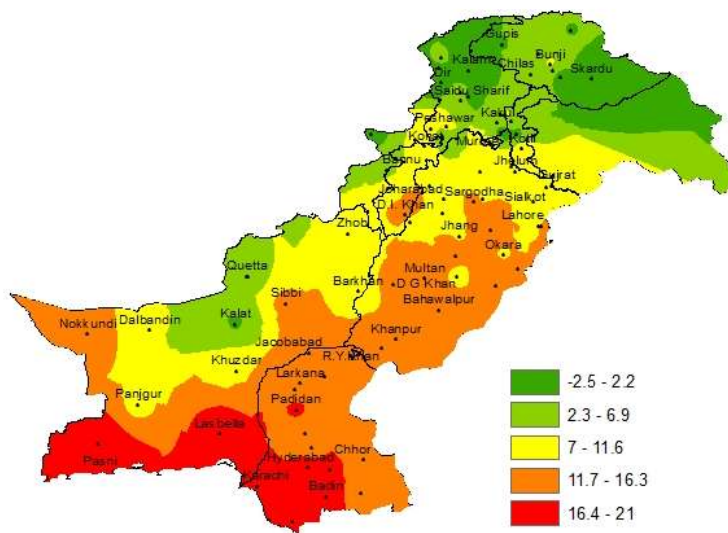
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Wheat: Good condition at *Wax Maturity* stage.

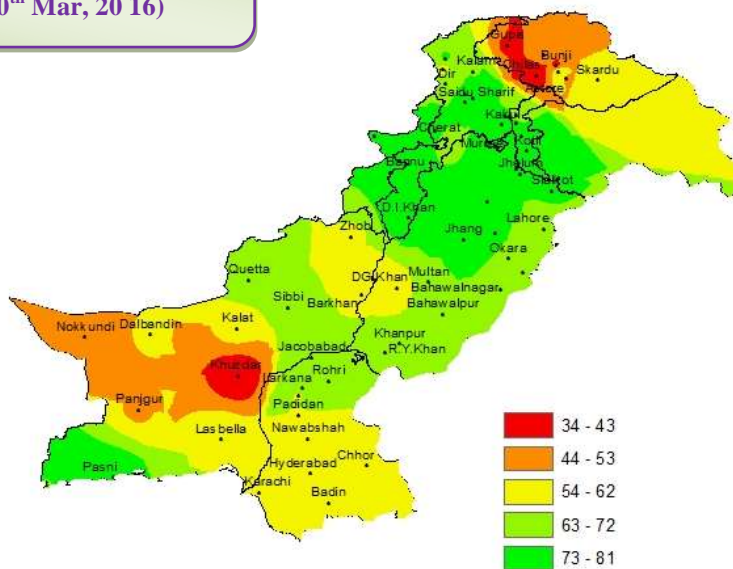
Mean Minimum Temperature (°C) during the Previous week (from 14th to 20th Mar, 20 16)



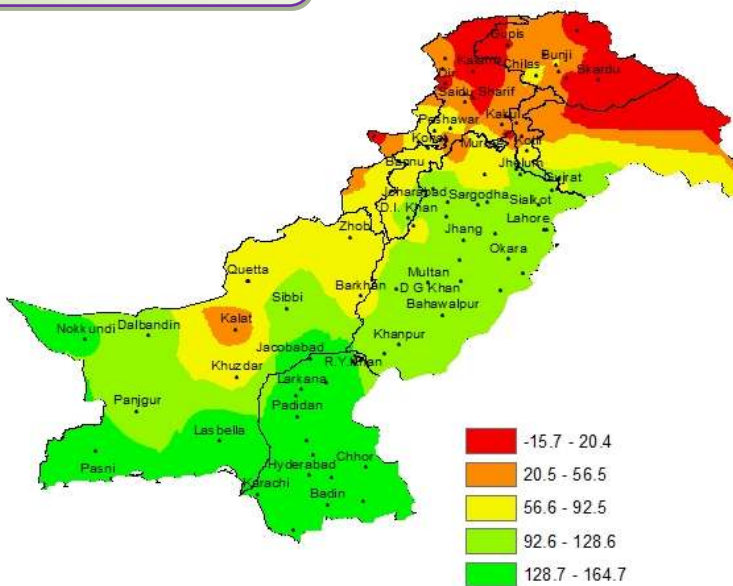
Lowest Minimum Temperature (°C) during the Previous week (from 14th to 20th Mar, 2016)



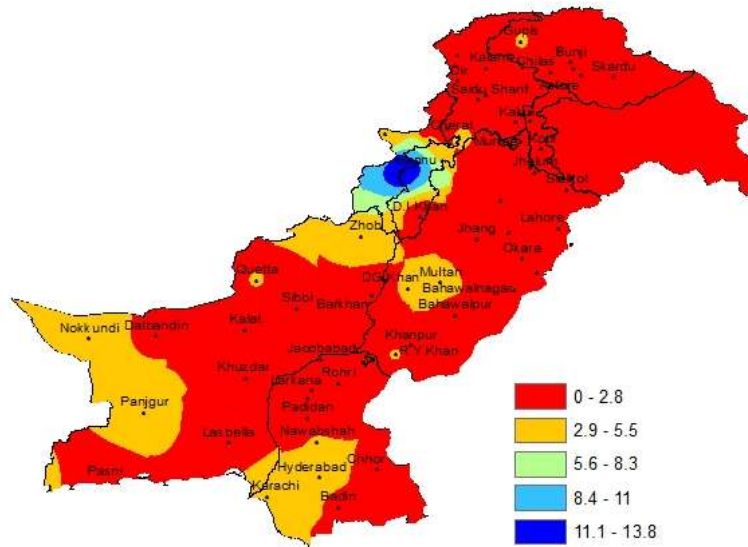
Mean Relative Humidity (%) during the Previous week (from 14th to 20th Mar, 2016)



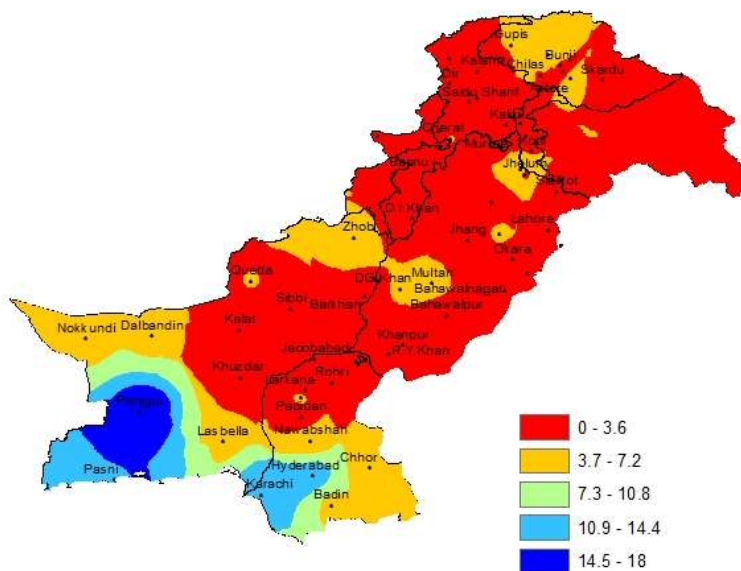
Total Growing Degree Days accumulated during the Previous week (14th to 20th Mar, 2016)



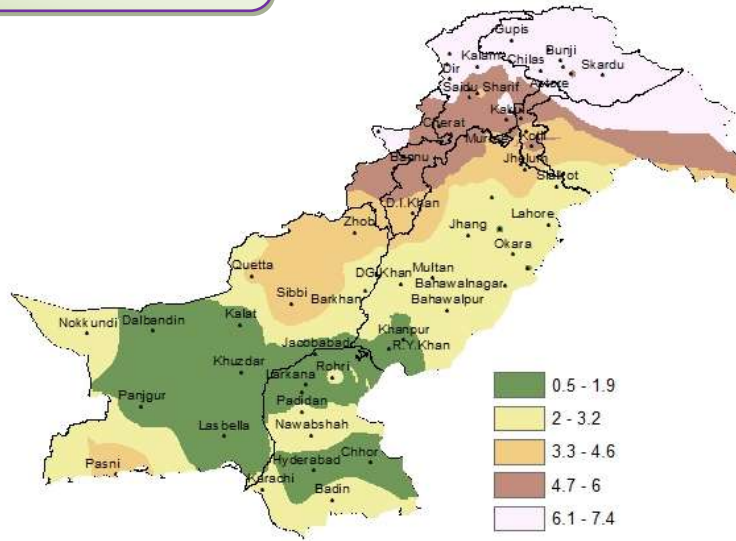
Mean Wind Speed (Knots) at 0300 PST during the Previous week (from 14th to 20th Mar, 20 16)



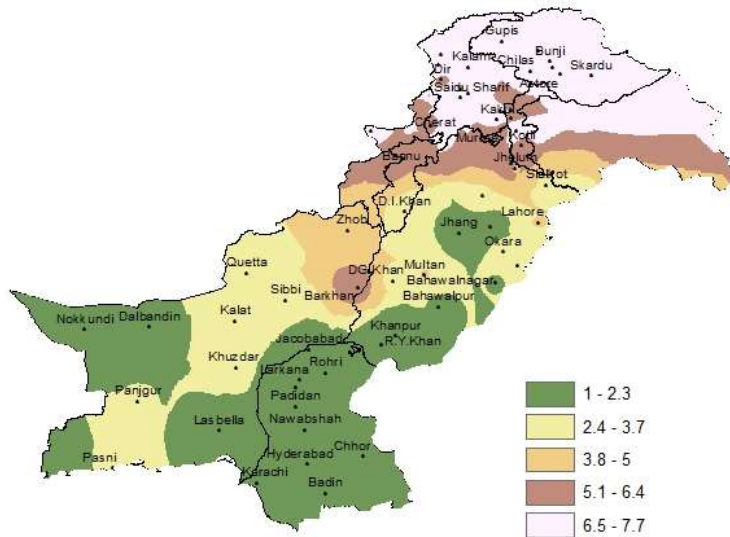
Mean Wind Speed (Knots) at 1200 PST during the Previous week (from 14th to 20th Mar, 20 16)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (14th to 20th Mar, 20 16)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (from 14th to 20th Mar, 20 16)



Weekly Weather Advisory for Farmers**(From 21st to 27th Mar, 2016)**

Westerly wave is affecting upper parts of the country and likely to move northeast-ward in next 18 to 24 hours. A fresh western disturbance is likely to enter Balochistan on Wednesday (evening/night), 23 March.

MONDAY**21-03-2016**

Mainly dry weather is expected in most parts of the country. However rain-thundershower is expected at isolated places in Gilgit-Baltistan, Kashmir and adjoining hilly areas.

TUESDAY**22-03-2016**

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

WEDNESDAY**23-03-2016**

Mainly dry weather is expected in most parts of the country. However isolated rain-thundershower is expected in Makran divisions.

THURSDAY**24-03-2016**

Mainly dry weather is expected in most parts of the country. However isolated rain-thundershower is expected in Quetta, Zhob, Kalat, Makran, Malakand divisions and FATA.

FRIDAY**25-03-2016**

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

thundershower is expected at isolated places in upper Sindh and south Punjab.

SATURDAY**26-03-2016**

Rain-thundershower is expected at scattered places in Balochistan (Makran, Quetta, Kalat, Zhob & Sibbi divisions), KP, FATA, upper Punjab, Islamabad, Kashmir and Gilgit-Baltistan. Rain-thundershower is expected at isolated places in upper Sindh and south Punjab.

SUNDAY**27-03-2016**

Mainly dry weather is expected in most parts of the country. However rain-thundershower is expected at isolated places in Gilgit-Baltistan, Kashmir and adjoining hilly areas.

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 14th to 20th Mar, 20 16)**

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	0.6	-0.5	4.6	52	29.2	5.8	7.3	2.3	4.9
Badin	21.6	19.5	160.9	57	0.0	2.1	2.3	2.3	6.3
Bahawalnagar	15.5	14.0	118.5	69	1.3	2.1	2.3	0.0	0.3
Bahawalpur	15.7	14.4	115.4	72	2.3	2.3	2.0	1.7	1.4
Balakot	7.0	5.4	48.3	74	118.2	7.4	6.4	0.3	0.6
Bannu	8.4	6.5	67.9	75	28.0	5.6	5.4	13.9	2.6
Barkhan	10.6	8.5	80.2	61	20.0	3.1	5.7	0.3	2.6
Bunji	9.5	7.8	61.2	39	5.1	7.3	7.7	1.7	3.4
Cherat	5.4	4.5	24.0	68	67.6	5.7	6.4	3.4	3.7
Chhor	18.0	14.5	149.7	57	0.0	1.9	1.9	2.3	4.9
Chilas	8.2	6.5	58.7	36	23.4	6.7	7.0	2.3	3.4
Chitral	4.2	2.7	25.3	74	28.8	6.7	7.4	0.0	2.3
D.I.Khan	14.9	13.5	98.4	81	8.1	4.4	3.1	0.9	1.1
Dalbandin	11.7	7.0	107.2	54	0.1	1.4	1.7	2.3	5.7
D.G.Khan	14.6	13.0	106.9	57	12.2	2.0	3.3	3.1	3.7
Dir	2.1	-1.0	14.5	67	114.0	6.7	6.3	0.6	2.1
Drosh	3.2	2.1	24.5	60	27.2	6.9	6.9	0.0	2.6
Faisalabad	14.7	13.0	107.3	76	45.6	2.1	2.1	1.1	1.6
Garidopatta	7.1	6.4	50.6	74	75.0	4.9	6.3	0.0	0.9
Gawader	19.4	18.0	140.7	82	0.6	2.7	2.0	1.4	12.9
Gilgit	6.9	5.0	51.1	51	3.8	6.9	7.4	0.9	7.4
Gupis	3.3	2.0	19.1	42	14.0	6.4	6.4	2.9	3.7

Hyderabad	20.1	18.0	157.2	54	0.0	1.4	1.6	3.7	13.4
Islamabad	10.9	7.0	77.6	76	60.0	4.4	6.0	0.0	2.0
Jacobabad	18.4	16.0	132.2	65	0.1	1.6	1.6	1.4	1.4
Jhang	13.2	11.5	103.7	78	56.6	2.0	1.4	0.0	0.0
Jhelum	13.3	11.1	98.2	75	15.7	3.4	4.7	1.1	2.9
Jiwani	21.3	20.5	140.9	71	0.0	2.7	2.3	4.3	11.7
Kakul	5.8	4.5	38.0	75	84.0	4.9	6.9	0.0	0.6
Kalam	-1.0	-2.5	-15.7	72	104.0	6.4	7.3	0.0	0.0
KLT	4.7	2.0	43.3	57	0.0	1.1	2.9	0.0	0.3
Karachi	22.6	19.5	157.9	62	0.0	2.0	2.0	5.4	13.1
Khanpur	16.4	15.2	121.0	68	8.3	1.9	1.0	1.7	1.1
Khuzdar	13.1	11.0	89.8	34	0.0	1.5	2.7	0.0	0.0
Kotli	11.6	9.7	81.2	72	134.0	4.9	6.1	2.6	3.4
Lahore	14.6	12.6	106.4	67	4.9	2.6	3.7	1.7	3.4
Larkana	17.6	16.2	131.2	66	0.0	0.5	1.5	2.0	1.7
Lasbella	19.9	19.0	155.9	62	0.1	1.1	2.0	0.0	6.6
Lower Dir	8.4	4.0	52.8	73	42.0	5.6	6.3	1.1	2.6
M.B Din	14.0	11.5	99.7	79	18.2	3.0	3.4	0.6	1.1
Malam Jabba	0.4	-1.5	-16.8	74	105.0	4.1	6.4	0.3	0.6
Mangla	12.5	10.0	93.1	76	21.0	3.9	6.1	2.9	7.4
Mir Khani	4.5	3.6	36.0	63	38.0	7.0	6.7	0.6	2.4
Moinjodaro	17.3	15.5	129.0	62	0.0	1.3	1.5	2.0	4.3
Multan	15.3	14.2	110.4	69	5.9	2.3	3.7	3.7	4.9
Murree	2.6	0.0	10.3	75	151.7	4.9	6.0	2.0	3.6
Muzaffarabad	8.5	7.4	54.7	75	102.0	4.9	6.6	1.1	1.1
Nawabshah	17.8	15.5	149.8	54	0.0	2.1	1.3	2.9	5.4

Nokkundi	16.6	15.5	131.8	46	0.0	2.3	1.7	3.4	5.4
Okara	14.4	11.5	110.2	70	15.0	2.3	2.7	0.6	1.7
Padidan	18.3	16.5	143.3	62	0.0	2.3	1.9	1.7	2.0
Panjgur	11.8	10.5	99.6	51	0.0	1.6	2.4	4.9	18.0
Parachinar	1.0	0.3	12.0	79	148.0	7.1	6.7	3.0	3.0
Pasni	21.1	19.0	143.7	79	5.0	4.1	2.6	1.7	14.3
Peshawar	12.6	8.5	79.8	77	21.3	5.0	6.3	1.1	2.0
Quetta	8.0	6.0	59.8	43	3.6	3.1	4.3	2.2	4.1
R .Y Khan	16.5	15.2	122.5	66	10.0	1.7	1.4	2.9	1.7
Rawalakot	3.2	1.0	24.2	81	153.8	4.1	7.0	0.9	1.4
Rawalpindi	12.3	10.0	85.3	76	53.3	5.0	5.6	0.2	0.8
Sahiwal	13.2	12.0	103.9	70	37.1	1.9	2.6	1.4	1.4
Saidu Sharif	8.4	6.0	50.0	74	45.3	6.1	6.9	0.3	0.0
Sialkot	14.1	11.0	99.2	73	11.2	2.4	3.3	0.0	1.7
Sibbi	14.6	13.0	121.3	65	2.0	4.3	3.1	1.1	2.6
Skardu	2.4	0.0	17.4	53	29.2	6.7	7.4	0.4	2.7
Tandojam	18.4	15.0	152.8	50	0.0	1.4	1.3	0.6	2.8
Usta.M	15.6	13.0	126.9	76	0.0	0.3	0.8	1.1	1.7
Zhob	8.1	7.0	59.8	61	4.0	3.7	4.3	5.0	4.9

*** Shows that data was not available.