

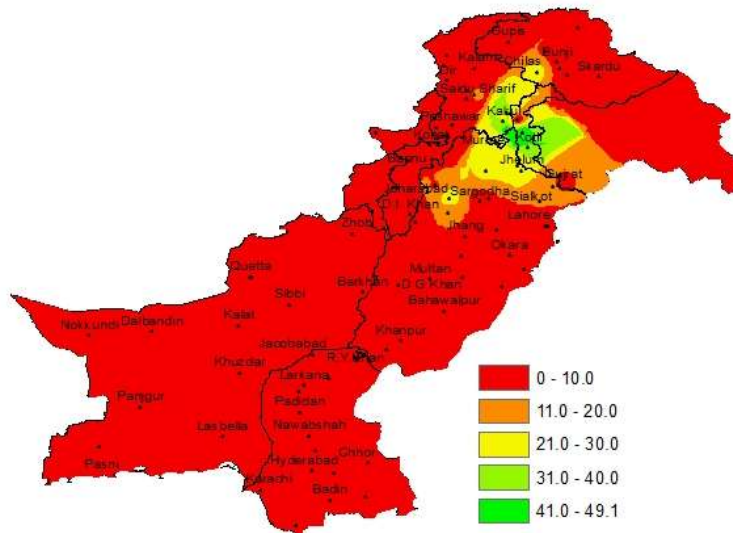
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the
Previous Week (from 15th to 21st Feb, 20 16)**



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Highlights of Past Weather (from 15th to 21st Feb, 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 many places in Khyber Pakhtunkhwa, Punjab and Gilgit-Baltistan & Kashmir regions.
- Light rainfall reported at few places in Sindh.
- Dry weather was reported in Balochistan.

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

Chief Editor: Ch. Muhammad Aslam (Director)

Editor: Asma Jawad Hashmi (Deputy Director)

was recorded 40.0mm at Pattan & lowest minimum temperature recorded -8.0°C at Kalam.

Past Weather of Provinces (from 15th to 21st

Feb, 2016)

Punjab

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 23.6°C & 7.3°C respectively. For the present season average 73.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 66% and wind speed in the morning/evening recorded 0.6/2.4Knots. During the previous week the highest amount of rainfall was recorded 49.2mm at Islamabad & lowest minimum temperature recorded -1.0°C at Murree.

Sindh

Light rainfall reported at few places in Sindh during the week. Weekly maximum and minimum temperatures recorded 26.8°C & 11.0°C respectively. For the present season average 98.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 48% and wind speed in the morning/evening recorded 2.2/5.0Knots. During the previous week the highest amount of rainfall was recorded 1.0mm at Chhor & lowest minimum temperature recorded 5.0°C at Badin.

Khyber Pakhtunkhwa

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa province during the week. Weekly maximum and minimum temperatures recorded 17.9°C & 2.4°C respectively. For the present season average 36.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 54% and wind speed in the morning/evening recorded 1.2/1.7Knots. During the previous week the highest amount of rainfall

Balochistan

Dry weather was reported in Baluchistan during the week. Weekly maximum and minimum temperatures recorded 23.3°C & 6.6°C respectively. For the present season average 70.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 41% and wind speed in the morning/evening recorded 2.9/3.9Knots. During the previous week the lowest minimum temperature recorded -4.5°C at Samungli.

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 14.7°C & 1.2°C respectively. For the present season average 23.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 54% and wind speed in the morning/evening recorded 1.2/1.5Knots. During the previous week the highest amount of rainfall was recorded 48.2mm at Muzaffarabad & lowest minimum temperature recorded -5.6°C at Skardu.

**Past Weather for Major Agricultural Plains
(from 15th to 21st Feb, 2016)****Rawalpindi (Potohar region)**

Rainfall reported as 25.0mm during the week; however cloudiness in the morning/evening recorded 1.1/1.6Oktas while, average relative humidity observed 64%. Mean night time temperature recorded 7.2°C & for the present season 69.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.2/1.2Knots.

Faisalabad (Central Punjab)

Rainfall reported as 5.8mm during the week; however cloudiness in the morning/evening recorded 1.4/1.6Oktas while, average relative humidity observed as 66%. Mean night time temperature recorded 6.8°C & for the present season 73.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/1.5Knots.

Tandojam (Lower Sindh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.9/0.6Oktas while, average relative humidity observed as 50%. Mean night time temperature recorded 9.1°C & for the present season 91.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/2.3Knots.

Quetta (Northern Baluchistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.9/0.9Oktas while, average relative humidity observed as 25%. Mean night time temperature recorded -2.0°C by the end of last week. Wind speed recorded in the morning/evening as 2.0/3.1Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.4/0.0Oktas while, average relative humidity observed as 54%. Mean night time temperature recorded 7.4°C & for the present season 82.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.9Knots.

**Past Weather for Sub-Regional Agricultural
Plains (from 15th to 21st Feb, 2016)****Multan**

Rainfall reported as 2.1mm during the week; however cloudiness in the morning/evening recorded 1.4/1.7Oktas while, average relative humidity observed as 55%. Mean night time temperature recorded 8.4°C & for the present season 79.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/4.0Knots.

Lahore

Rainfall reported as 2.7mm during the week; however cloudiness in the morning/evening recorded 1.9/1.9Oktas while, average relative humidity observed as 58%. Mean night time temperature recorded 8.3°C & for the present season 82.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.9Knots.

Zhob

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.6/1.4Oktas while, average relative humidity observed as 34%. Mean night time temperature recorded -0.6°C & for the present season 24.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/5.6Knots.

D.I. Khan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.4/1.3Oktas while, average relative humidity observed as 55%. Mean night time temperature recorded 5.3°C & for the present season 71.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.9Knots.

Peshawar

Rainfall reported as 1.0mm during the week; however cloudiness in the morning/evening recorded 0.3/0.9Oktas while, average relative humidity observed as 55%. Mean night time temperature recorded 6.9°C & for the present season 72.8growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/1.4Knots.

Murree

Rainfall reported as 49.2mm during the week; however cloudiness in the morning/evening recorded 1.4/2.1Oktas while, average relative humidity observed as 53%. Mean night time temperature recorded 1.2°C by the end of last week. Wind speed recorded in the morning/evening 3.4/3.0Knots.

Kalam

Rainfall reported as 4.0mm during the week; however cloudiness in the morning/evening recorded 3.4/4.4Oktas while, average relative humidity observed as 61%. Mean night time temperature recorded -4.1°C by the end of last week. Clam wind speed recorded in the morning/evening.

Gilgit

Rainfall reported as 7.9mm during the week; however cloudiness in the morning/evening recorded 4.4/4.7Oktas while, average relative humidity observed as 47%. Mean night time temperature recorded 0.1°C & for the present season 19.2 growing degree days accumulated by the

end of last week. Wind speed recorded in the morning/evening as 2.3/3.3Knots.

Skardu

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 4.3/4.6Oktas while, average relative humidity observed as 59%. Mean night time temperature recorded -3.7°C by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.1Knots.

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 *Tilliring* stage.

Central Punjab (Faisalabad)

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

Wheat: Very Good condition at *Shooting* stage Completed.

Lower Sindh (Tandojam)

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

Wheat: Good condition at *Flowering* stage.

Northern Balochistan (Quetta)

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

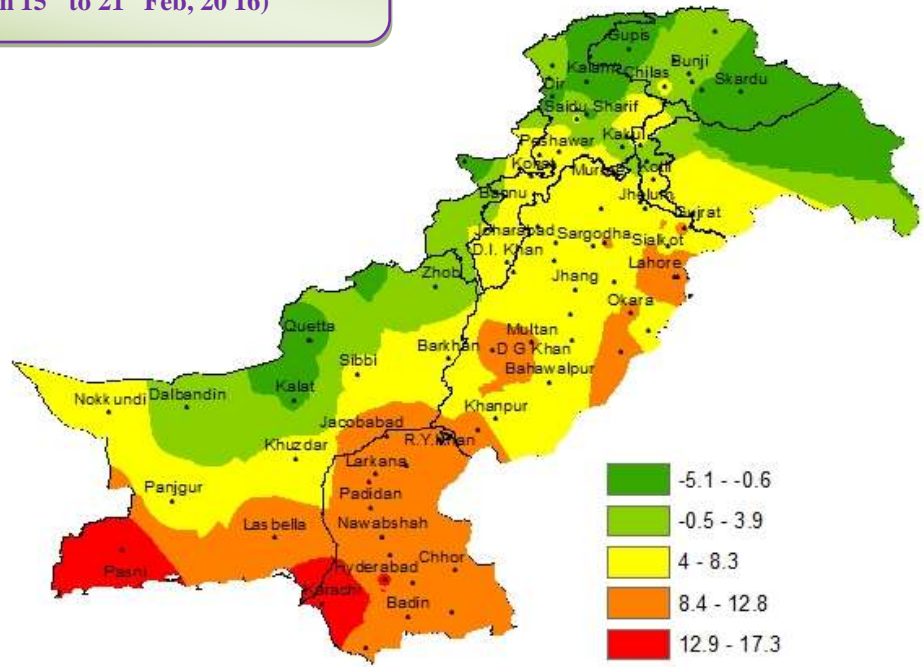
Wheat: Good condition at *Tilliring* stage.

Eastern Balochistan (Usta Muhammad)

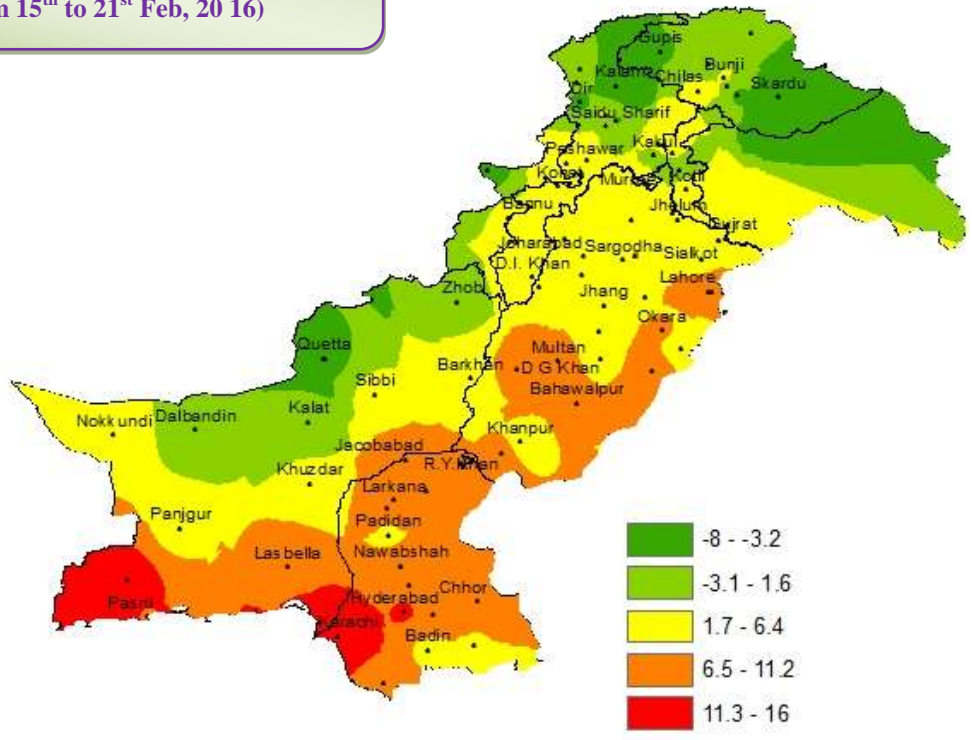
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Wheat: Good condition at *Shooting* stage.

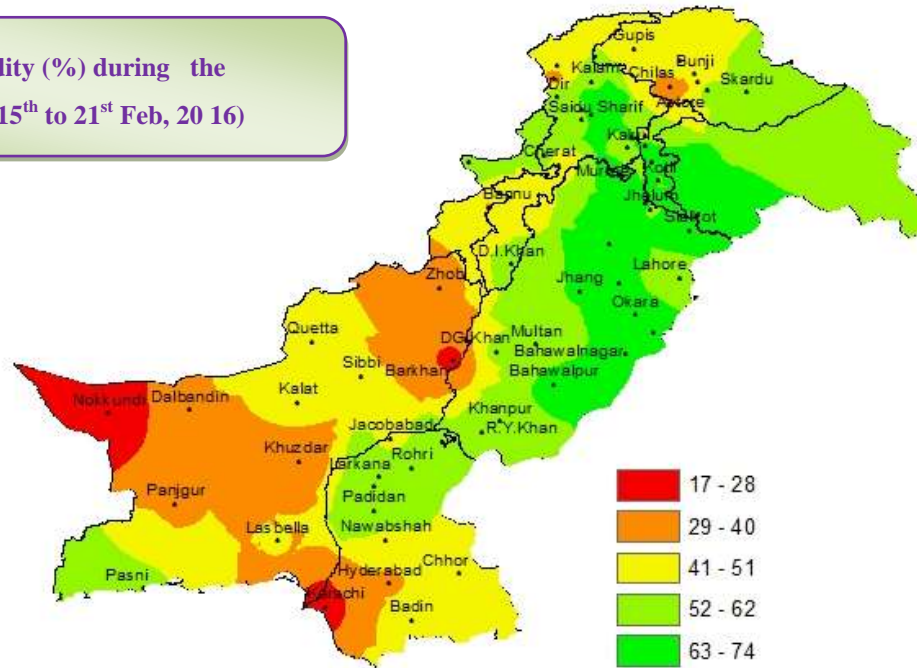
Mean Minimum Temperature (°C) during the Previous week (from 15th to 21st Feb, 20 16)



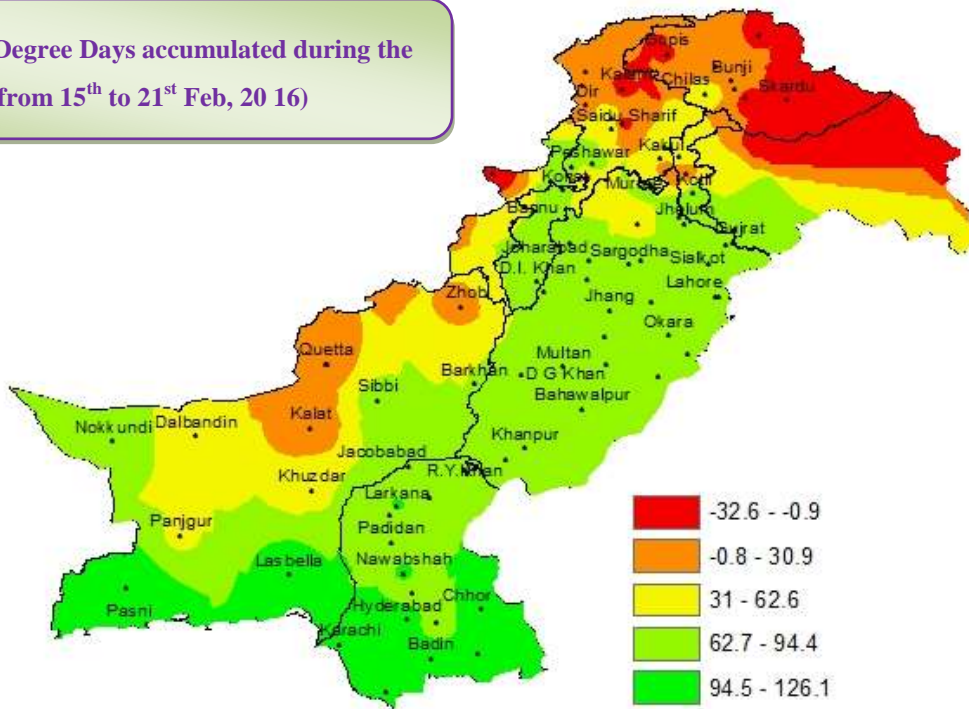
Lowest Minimum Temperature (°C) during the Previous week (from 15th to 21st Feb, 2016)



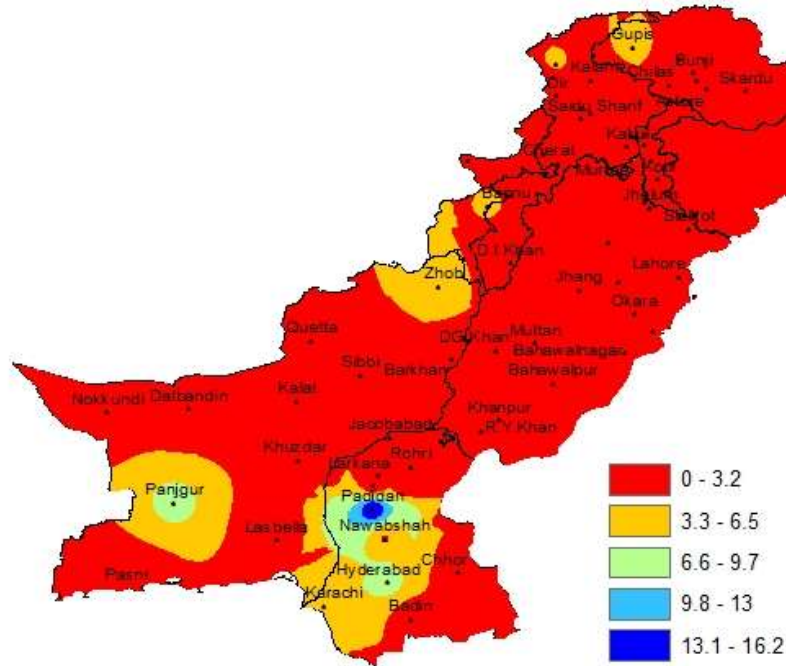
Mean Relative Humidity (%) during the Previous week (from 15th to 21st Feb, 20 16)



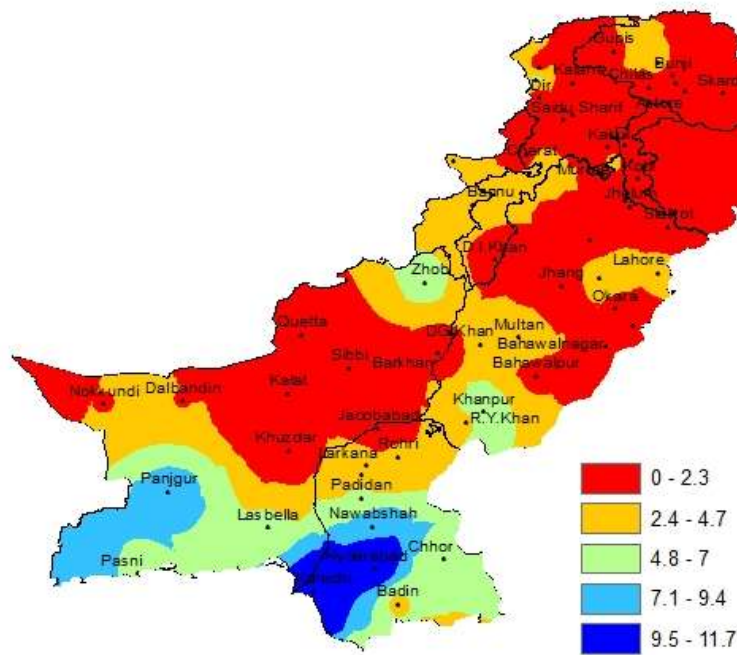
Total Growing Degree Days accumulated during the Previous week (from 15th to 21st Feb, 2016)



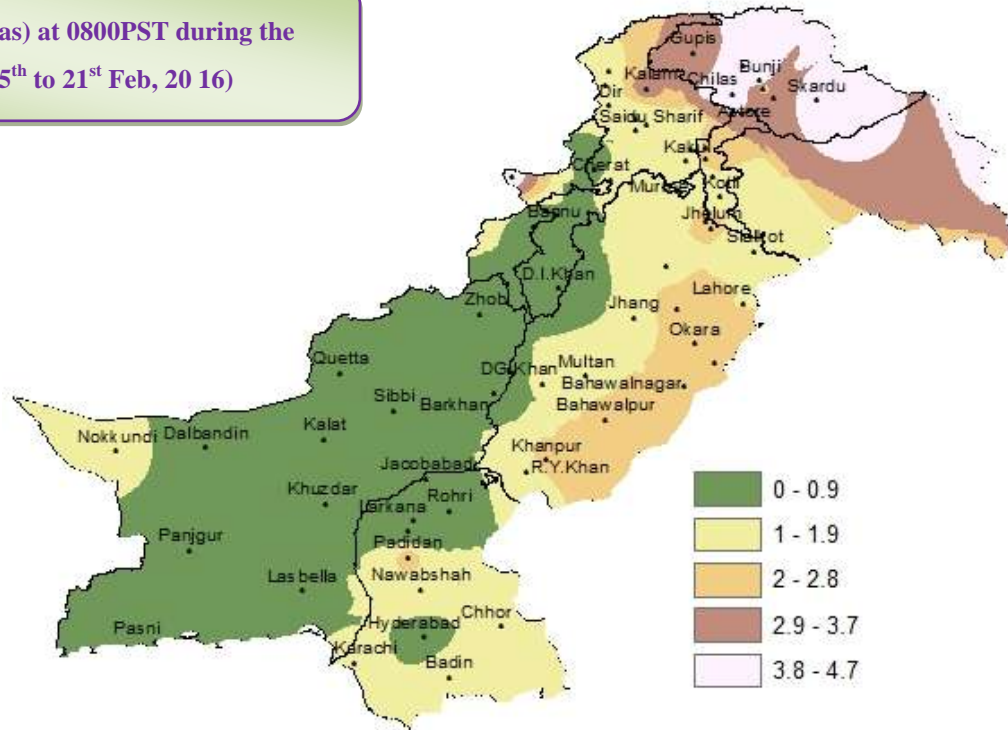
Mean Wind Speed (Knots) at 0300 PST during the Previous week (from 15th to 21st Feb, 20 16)



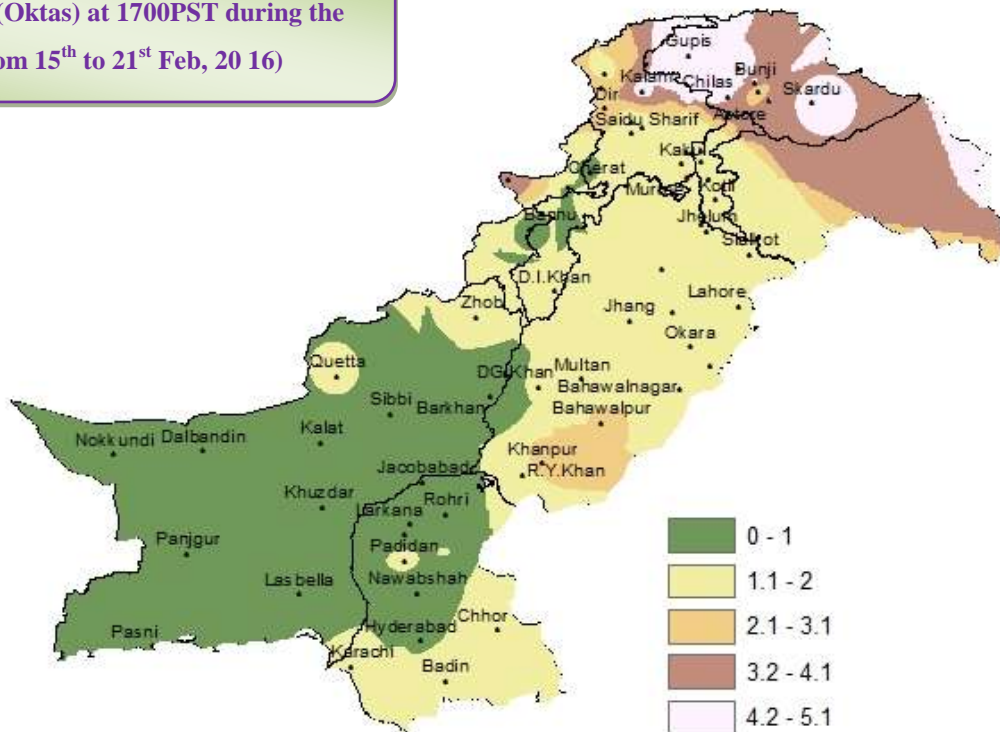
Mean Wind Speed (Knots) at 1200 PST during the Previous week (from 15th to 21st Feb, 20 16)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 15th to 21st Feb, 20 16)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (from 15th to 21st Feb, 20 16)



Weekly Weather Advisory for Farmers**(from 22nd to 28th Feb, 2016)**

Continental air would prevail over most parts of the country during next few days.

MONDAY**22-02-2016**

Mainly dry weather is expected in plain areas, while cold and dry weather in northern areas of the country. Day temperatures are likely to increase in Sindh, South Punjab and south Balochistan by 3-5°C than normal temperature.

TUESDAY**23-02-2016**

Mainly dry weather is expected in plain areas, while cold and dry weather in northern areas of the country. Day temperatures are likely to increase in Sindh, South Punjab and south Balochistan by 3-5°C than normal temperature.

WEDNESDAY**24-02-2016**

Mainly dry weather is expected in most parts of the country. Day temperatures are likely to increase in Sindh, South Punjab and south Balochistan by 3-5°C than normal temperature.

THURSDAY**25-02-2016**

Mainly dry weather is expected in most parts of the country. Day temperatures are likely to increase in Sindh, South Punjab and south Balochistan by 3-5°C than normal temperature.

FRIDAY**26-02-2016**

Mainly dry weather is expected in most parts of the country. Day temperatures are likely to increase in Sindh, South Punjab and south Balochistan by 4-6°C than normal temperature.

SATURDAY**27-02-2016**

Mainly dry weather is expected in most parts of the country. Day temperatures are likely to increase in Sindh, South Punjab and south Balochistan by 4-6°C than normal temperature.

SUNDAY**28-02-2016**

Mainly dry weather is expected in most parts of the country. Day temperatures are likely to increase in Sindh, South Punjab and south Balochistan by 4-6°C than normal temperature.

ADVISES FOR CROPS

- ❖ Farmers of irrigated areas should irrigate the crop as per requirement keeping expected weather in mind. Normally first irrigation is given 20-25 days after sowing and 2nd irrigation is given just before heading stage and the 3rd irrigation is given at milk maturity stage.
- ❖ Farmers of barani areas are advised to remove weeds from the fields, so that the present soil moisture may fully be utilized.
- ❖ 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 15th to 21st Feb, 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	-3.7	-5.0	-20.3	58	0.0	3.7	4.1	1.4	1.4
Badin	12.8	5.0	105.4	48	0.0	1.7	1.4	1.1	4.3
Bahawalnagar	9.9	8.5	82.9	65	7.0	2.6	1.9	0.0	1.4
Bahawalpur	8.2	6.9	76.7	66	4.0	2.3	2.1	0.6	1.7
Balakot	3.8	2.5	48.3	64	29.0	1.1	1.9	0.0	0.3
Bannu	3.3	2.8	62.9	39	0.0	0.0	0.7	3.4	3.7
Barkhan	6.6	4.5	62.7	26	0.0	0.3	0.0	1.4	0.9
Bunji	3.2	2.2	26.0	42	10.0	4.7	4.3	0.7	0.7
Cherat	4.7	2.5	26.4	47	3.0	1.6	1.4	3.1	3.4
Chhor	11.1	7.5	107.9	44	1.0	1.6	1.7	2.0	5.1
Chilas	4.2	2.5	38.8	37	24.1	4.1	4.1	1.1	1.7
Chitral	-0.1	-2.2	17.9	42	2.7	1.4	1.6	4.6	1.7
D.I.Khan	5.3	5.0	71.3	55	0.0	0.4	1.3	0.3	0.9
Dalbandin	0.9	-1.0	52.6	39	0.0	0.0	0.0	0.6	2.3
DG.Khan	8.9	8.0	82.6	53	0.1	1.0	1.1	1.7	2.9
Dir	-2.8	-4.5	17.4	61	3.0	1.3	2.9	0.6	1.1
Drosh	1.1	-1.0	20.9	36	3.2	1.7	2.9	0.0	5.4
Faisalabad	6.8	5.5	73.3	66	5.8	1.4	1.6	0.5	1.5
Garidopatta	4.0	2.5	49.1	70	0.1	2.0	1.6	0.0	0.3
Gawader	14.0	13.0	113.2	58	0.0	0.0	0.0	0.0	8.6
Gilgit	0.1	-1.0	19.2	47	7.9	4.4	4.7	2.3	3.3
Gupis	-2.9	-4.0	-2.3	44	0.0	3.0	5.1	4.0	2.3

Hyderabad	13.1	12.0	103.7	37	0.0	0.3	1.0	7.7	11.7
Islamabad	6.0	4.0	62.2	72	19.9	1.1	1.1	0.6	1.7
Jacobabad	9.6	7.5	88.9	49	0.0	0.9	0.3	0.0	0.0
Jhang	6.8	5.4	73.8	63	0.1	1.0	1.3	0.0	0.0
Jhelum	7.9	5.6	80.7	62	22.0	1.9	1.9	0.0	1.7
Jiwani	17.3	16.0	121.2	52	0.0	0.3	0.0	1.4	8.3
Kakul	2.7	0.5	35.2	60	29.0	1.6	1.9	0.0	0.3
Kalam	-4.1	-8.0	-6.5	61	4.0	3.4	4.4	0.0	0.0
Kalat	-0.9	-2.0	10.2	45	0.0	0.0	0.0	0.0	0.0
Karachi	15.7	14.0	122.8	25	0.0	1.4	1.3	5.4	11.4
Khanpur	7.9	5.8	81.2	58	1.0	2.1	2.6	0.0	6.0
Khuzdar	5.4	3.0	56.0	29	0.0	0.0	0.4	0.0	0.6
Kotli	8.4	6.2	76.9	62	39.0	1.6	1.7	1.6	1.7
Lahore	8.3	6.2	82.8	58	2.7	1.9	1.9	0.0	2.9
Larkana	11.9	9.5	96.7	58	0.1	0.0	0.4	0.0	3.1
Lasbella	11.0	10.3	110.5	41	0.0	0.0	0.3	1.1	4.9
Lower Dir	4.3	2.0	53.2	61	1.0	0.9	1.7	0.6	2.0
M.B Din	8.7	6.5	81.6	67	8.8	1.4	1.6	0.0	0.9
Malam Jabba	-2.6	-4.0	-20.7	74	14.0	1.1	1.7	1.7	1.1
Mangla	7.1	5.0	73.7	64	22.9	2.0	2.0	0.0	0.6
Mir Khani	2.0	1.4	28.5	40	5.4	2.3	1.7	0.0	1.7
Moinjodaro	8.3	6.5	84.7	56	0.0	0.0	1.0	1.1	4.3
Multan	8.4	7.5	79.4	55	2.1	1.4	1.7	0.6	4.0
Murree	1.2	-1.0	12.0	53	49.2	1.4	2.1	3.4	3.0
Muzaffarabad	5.2	3.8	52.9	62	32.0	1.4	2.1	1.1	0.3
Nawabshah	9.6	7.5	96.5	50	0.0	1.9	0.4	3.0	9.3

Nokkundi	6.9	4.0	73.9	17	0.0	1.4	0.3	1.7	2.3
Okara	8.7	7.0	79.3	64	1.1	2.3	1.4	0.6	1.7
Padidan	8.8	6.0	84.4	56	0.0	2.1	1.1	16.3	5.1
Panjgur	5.2	3.5	57.1	38	0.0	0.0	0.0	7.1	8.0
Parachinar	-5.1	-6.2	-32.8	60	0.0	4.0	3.9	3.0	3.0
Pasni	13.6	11.0	110.2	52	0.0	0.0	0.4	0.9	6.3
Peshawar	6.9	5.0	72.8	55	1.0	0.3	0.9	0.6	1.4
Quetta	-2.0	-5.0	12.9	25	0.0	0.9	0.9	2.0	3.1
R.Y.Khan	8.8	7.0	87.1	54	1.0	1.4	1.1	0.6	4.4
Rawalakot	-0.6	-2.6	16.9	68	48.2	1.9	1.0	0.0	1.7
Rawalpindi	7.2	5.5	69.7	64	25.0	1.1	1.6	0.2	1.2
Sahiwal	6.5	4.0	66.9	65	3.1	2.6	1.4	0.9	1.7
Saidu Sharif	4.6	2.0	49.5	57	1.8	1.4	1.4	0.0	0.0
Sialkot	9.2	6.7	80.7	68	14.0	1.4	1.7	0.0	1.4
Sibbi	5.1	4.0	79.0	40	0.0	0.9	0.0	0.0	0.0
Skardu	-3.7	-5.6	-13.6	59	0.0	4.3	4.6	0.0	1.1
Tandojam	9.1	8.0	91.3	50	0.0	0.9	0.6	1.1	2.3
Usta.M	7.4	6.4	82.8	54	0.0	0.4	0.0	0.3	0.9
Zhob	-0.6	-2.0	24.3	34	0.0	0.6	1.4	5.0	5.6

*** Shows that data was not available.