

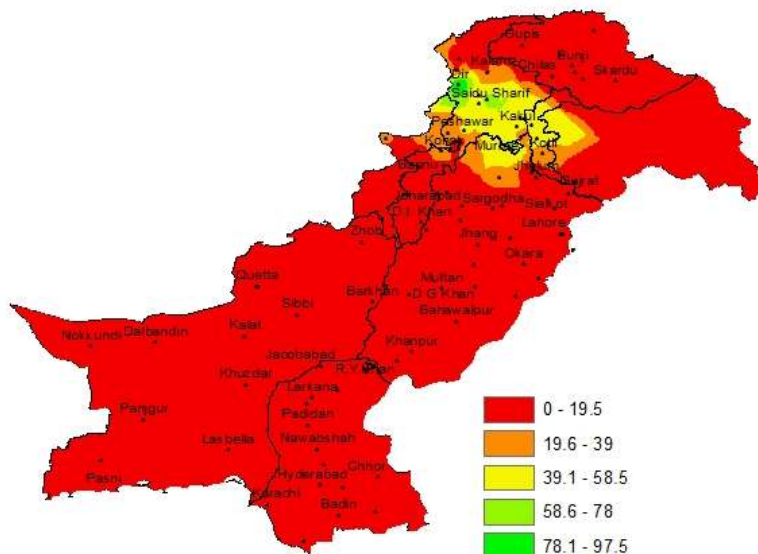
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the
Previous Week (from 8th to 14th Feb, 2016)**



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

Highlights of Past Weather (from 8th to 14th Feb, 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 Khyber Pakhtunkhwa , Punjab and Gilgit-Baltistan & Kashmir regions
- Dry weather was reported in Sindh and 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 8th to 14th Feb, 2016)

Punjab

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 20.9°C & 6.6°C respectively. For the present season average 61.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 66% and wind speed in the morning/evening recorded 0.9/2.1Knots. During the previous week the highest amount of rainfall was recorded 67.0mm at Islamabad & lowest minimum temperature recorded -1.8°C at Murree.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 26.6°C & 9.8°C respectively. For the present season average 85.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 50% and wind speed in the morning/evening recorded 2.0/3.9Knots. During the previous week the lowest minimum temperature recorded 4.5°C at Mithi.

Khyber Pakhtunkhwa

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa province during the week. Weekly maximum and minimum temperatures recorded 13.9°C & 1.7°C respectively. For the present season average 17.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 65% and wind speed in the morning/evening recorded 0.7/1.6Knots. During the previous week the highest amount of rainfall was recorded 98.0mm at Dir & lowest minimum temperature recorded -11.0°C at Kalam.

Balochistan

Dry weather was reported in Baluchistan during the week. Weekly maximum and minimum temperatures recorded 20.6°C & 5.6°C respectively. For the present season average 50.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 42% and wind speed in the morning/evening recorded 2.0/4.9Knots. During the previous week the lowest minimum temperature recorded -5.0°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 12.7°C & 1.1°C respectively. For the present season average 13.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 57% and wind speed in the morning/evening recorded 0.9/1.7Knots. During the previous week the highest amount of rainfall was recorded 55.0mm at Muzaffarabad & lowest minimum temperature recorded -5.0°C at Astore.

**Past Weather for Major Agricultural Plains
(from 8th to 14th Feb, 2016)****Rawalpindi (Potohar region)**

Rainfall reported as 40.3mm during the week; however cloudiness in the morning/evening recorded 2.1/3.2Oktas while, average relative humidity observed 69%. Mean night time temperature recorded 5.9°C & for the present season 55.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.1/0.4Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.6/0.6Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded 7.1°C & for the present season 70.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.8/1.1Knots.

Tandojam (Lower Sindh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.0Oktas while, average relative humidity observed as 56%. Mean night time temperature recorded 8.4°C & for the present season 87.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.2Knots.

Quetta (Northern Baluchistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.4/2.0Oktas while, average relative humidity observed as 36%. Mean night time temperature recorded -2.9°C by the end of last week. Wind speed recorded in the morning/evening as 2.5/3.6Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.6/0.3Oktas while, average relative humidity observed as 62%. Mean night time temperature recorded 7.3°C & for the present season 78.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/4.6Knots.

**Past Weather for Sub-Regional Agricultural
Plains (from 8th to 14th Feb, 2016)****Multan**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/1.7Oktas while, average relative humidity observed as 61%. Mean night time temperature recorded 8.2°C & for the present season 72.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/1.7Knots.

Lahore

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 0.4/2.4Oktas while, average relative humidity observed as 66%. Mean night time temperature recorded 8.7°C & for the present season 62.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.7Knots.

Zhob

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.3/0.9Oktas while, average relative humidity observed as 36%. Mean night time temperature recorded 0.4°C & for the present season 14.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/6.1Knots.

D.I. Khan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.1/1.0Oktas while, average relative humidity observed as 68%. Mean night time temperature recorded 4.6°C & for the present season 57.1 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 24.1mm during the week; however cloudiness in the morning/evening recorded 2.1/3.3Oktas while, average relative humidity observed as 70%. Mean night time temperature recorded 5.7°C & for the present season 49.4growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.1Knots.

Murree

Rainfall reported as 29.5mm during the week; however cloudiness in the morning/evening recorded 1.1/3.6Oktas while, average relative humidity observed as 73%. Mean night time temperature recorded -1.9°C by the end of last week. Wind speed recorded in the morning/evening 0.9/0.9Knots.

Kalam

Rainfall reported as 19.0mm during the week; however cloudiness in the morning/evening recorded 4.9/5.9Oktas while, average relative humidity observed as 75%. Mean night time temperature recorded -4.9°C by the end of last week. Wind speed recorded in the morning/evening 0.0/0.6Knots.

Gilgit

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 5.4/6.9Oktas while, average relative humidity observed as 53%. Mean night time temperature recorded 0.8°C & for the present season 20.3 growing degree days accumulated by the

end of last week. Wind speed recorded in the morning/evening as 0.0/1.7Knots.

Skardu

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 6.6/6.6Oktas while, average relative humidity observed as 55%. Mean night time temperature recorded -1.4°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.

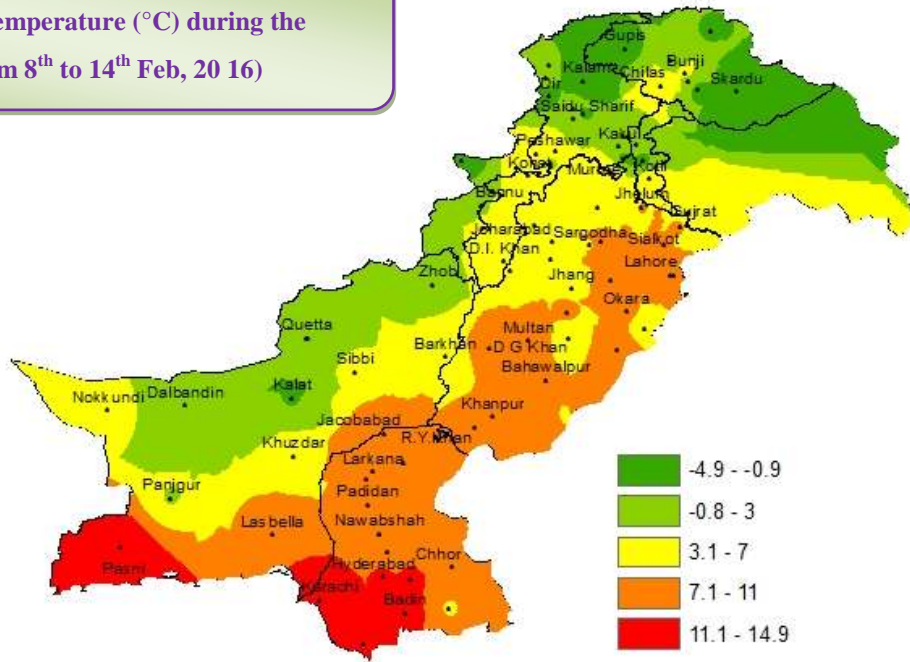
Wheat: Good condition at *Tilliring* stage.

Eastern Balochistan (Usta Muhammad)

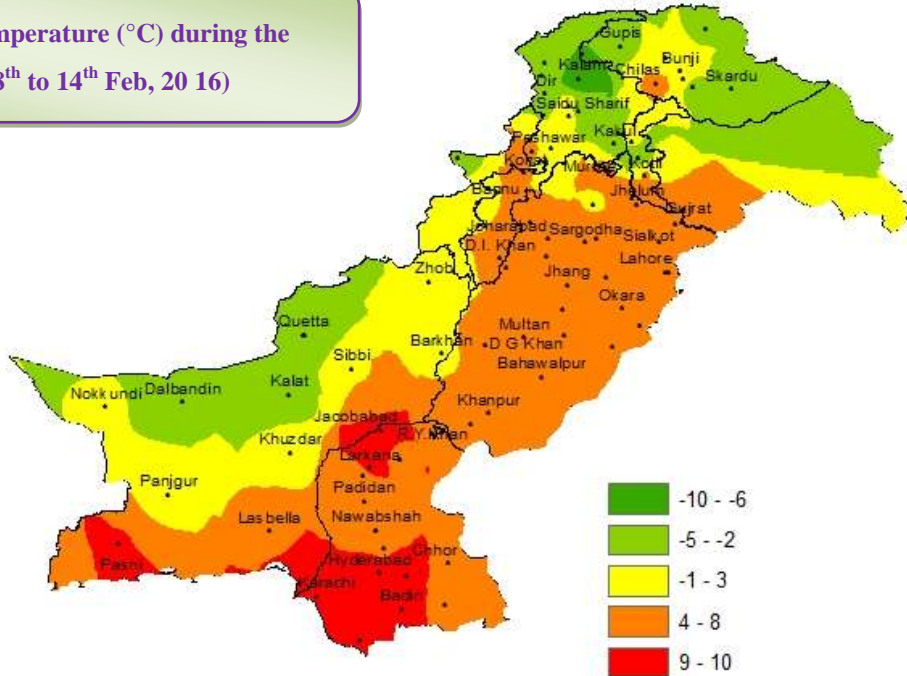
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Wheat: Good condition at *Shooting* stage.

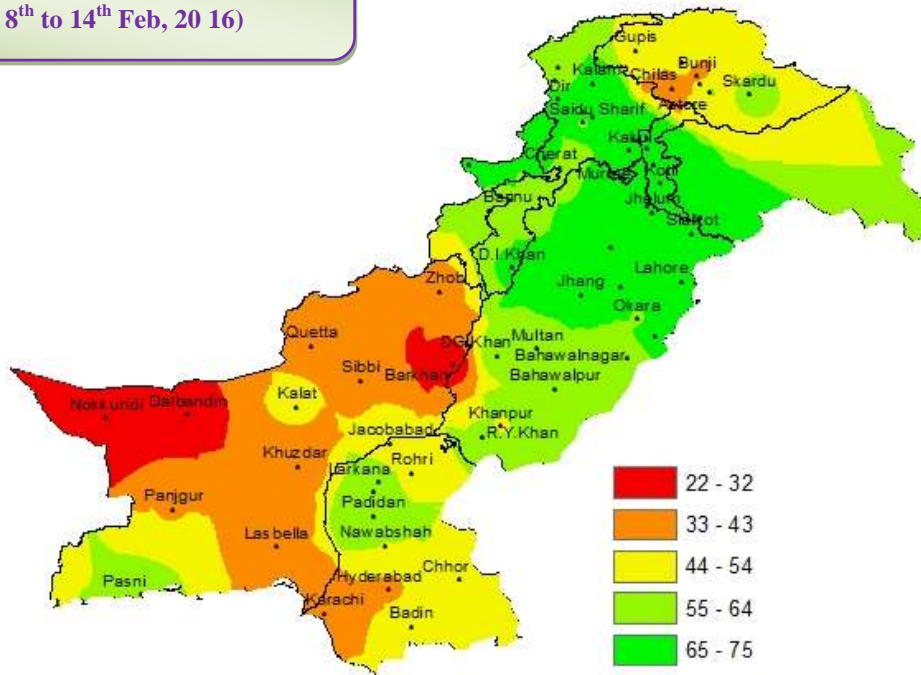
Mean Minimum Temperature (°C) during the Previous week (from 8th to 14th Feb, 20 16)



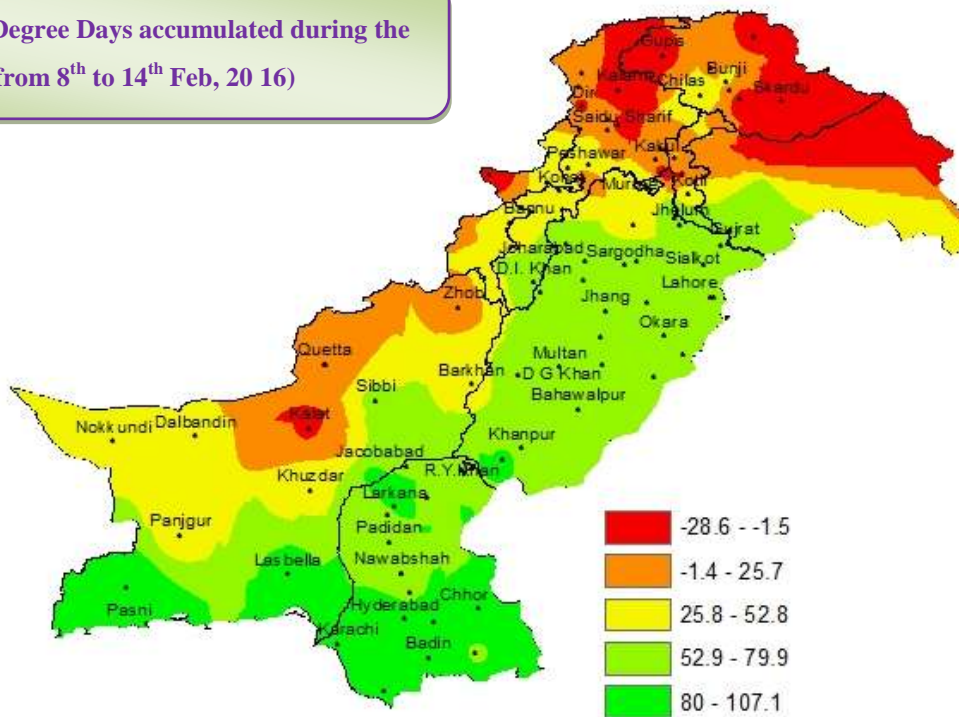
Lowest Minimum Temperature (°C) during the Previous week (from 8th to 14th Feb, 20 16)



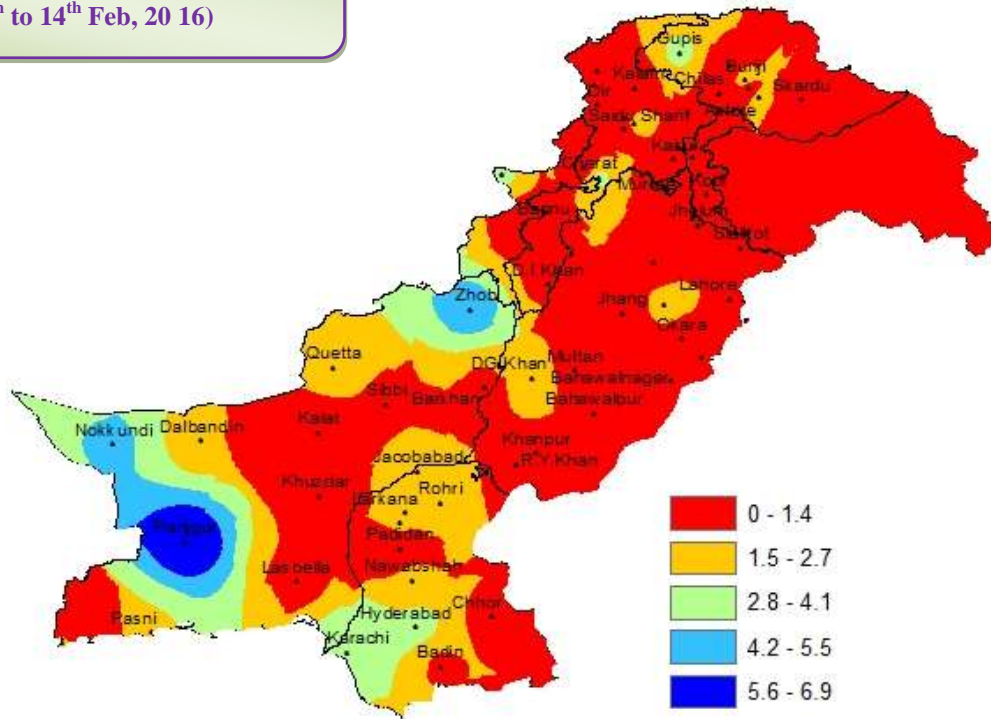
Mean Relative Humidity (%) during the Previous week (from 8th to 14th Feb, 20 16)



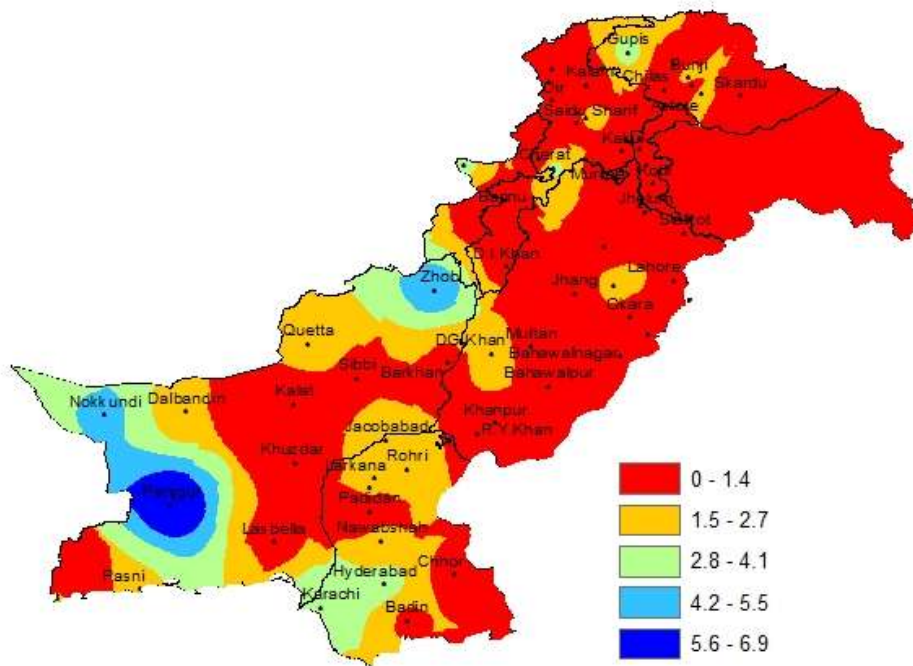
Total Growing Degree Days accumulated during the Previous week (from 8th to 14th Feb, 20 16)



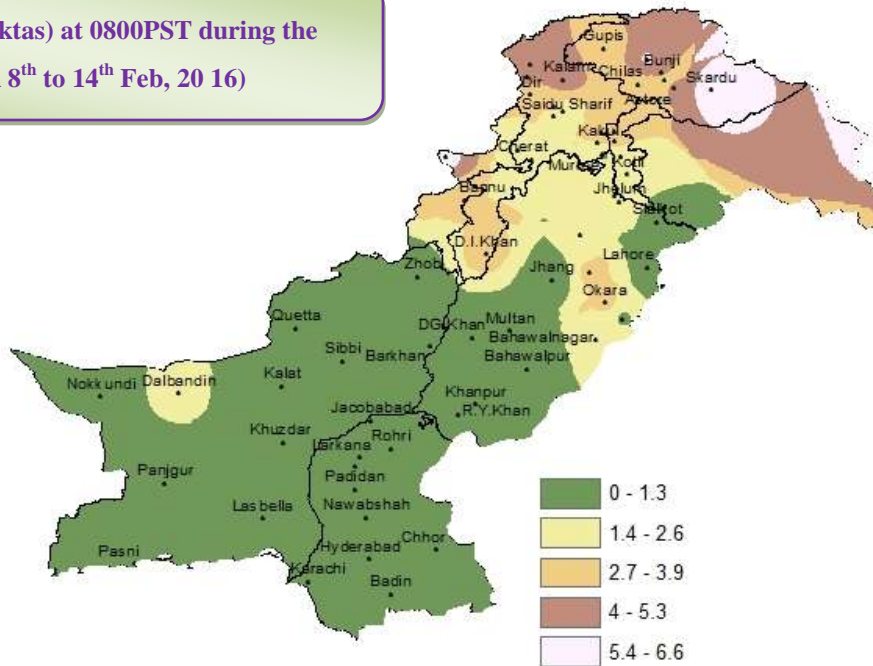
Mean Wind Speed (Knots) at 0800 PST during the Previous week (from 8th to 14th Feb, 20 16)



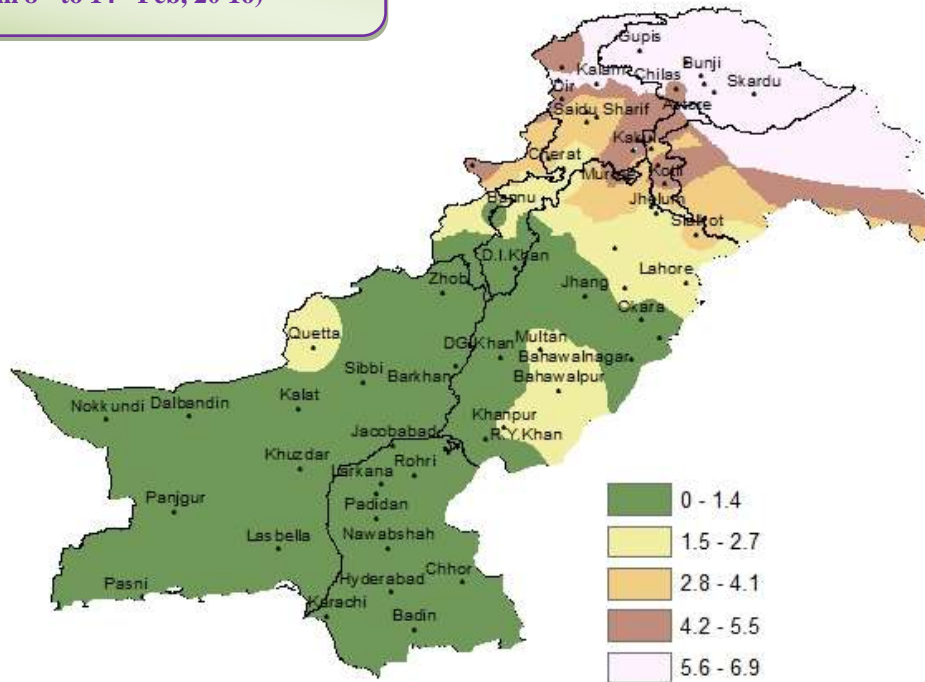
Mean Wind Speed (Knots) at 1700 PST during the Previous week (from 8th to 14th Feb, 20 16)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 8th to 14th Feb, 20 16)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (from 8th to 14th Feb, 20 16)



Weekly Weather Advisory for Farmers**(from 15th to 20th Feb, 2016)**

Continental air is prevailing over most parts of the country. Another westerly wave is likely to approach western parts of Balochistan on Thursday (night) and likely to prevail over upper parts of the country till Saturday.

MONDAY**15-02-2016**

Mainly cold and dry weather is expected in most parts of the country; However, cloudy weather conditions with light rain (snowfall over the hills) may occur at one or two places in Gilgit-Baltistan.

TUESDAY**16-02-2016**

Mainly cold and dry weather is expected in most parts of the country. Very cold and dry weather is likely in Gilgit-Baltistan, Malakand division, upper FATA and north Balochistan.

WEDNESDAY**17-02-2016**

Mainly cold and dry weather is expected in most parts of the country. Very cold and dry weather is likely in Gilgit-Baltistan, Malakand division, upper FATA and north Balochistan.

THURSDAY**18-02-2016**

Mainly cold and dry weather is expected in most parts of the country. However, rain-thunderstorm is expected at a few places in Sukkur and Bahawalpur divisions.

FRIDAY**19-02-2016**

Rain thunderstorm (with snowfall over the hills) is expected at isolated places in Malakand, Hazara, Peshawar, Rawalpindi, Gujranwala, Lahore, Sahiwal, Bahawalpur, Sukkur divisions, Islamabad, upper Fata, Kashmir and Gilgit-Baltistan.

SATURDAY**20-02-2016**

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

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.
- ❖ Farmers of upper areas are advised to protect their crops from the expected frost during clear nights.

National Weather Data of Selected Cities**(Weekly Data from 8th to 14th 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	-3.1	-5.0	-20.9	55	0.0	4.6	6.6	2.0	2.3
Badin	13.1	11.5	99.7	51	0.0	0.0	0.0	1.1	2.3
Bahawalnagar	8.6	7.5	76.3	59	0.0	2.4	1.0	0.6	3.1
Bahawalpur	7.2	5.5	72.8	63	0.0	0.0	1.9	0.9	2.3
Balakot	1.2	-3.1	17.0	65	53.3	2.9	5.0	0.4	0.0
Bannu	2.8	2.0	44.1	57	0.0	2.7	1.1	0.0	3.7
Barkhan	5.0	1.5	39.7	24	0.0	0.0	0.4	0.9	2.0
Bunji	4.4	3.3	31.6	36	0.1	4.9	6.1	2.6	1.9
Cherat	2.7	0.0	10.4	59	15.0	2.0	2.1	3.1	3.4
Chhor	8.4	7.0	83.6	47	0.0	0.0	0.0	0.9	2.9
Chilas	6.3	4.0	44.3	35	0.0	3.0	5.3	0.9	2.3
Chitral	-0.6	-2.0	8.4	55	11.0	4.4	4.7	0.3	1.1
D.I.Khan	4.6	3.5	57.1	68	0.0	3.1	1.0	0.9	1.1
Dalbandin	0.3	-2.5	30.6	28	0.0	1.7	0.1	1.4	3.7
DG.Khan	8.5	6.7	75.6	62	0.0	0.0	0.4	2.3	4.0
Dir	-2.6	-5.0	-4.0	72	98.0	3.1	4.3	0.3	0.9
Drosh	0.4	-1.6	7.6	57	17.2	4.4	6.6	0.0	3.7
Faisalabad	7.1	6.0	70.8	67	0.0	0.6	0.6	0.8	1.1
Garidopatta	2.4	-0.8	26.4	68	39.0	3.1	3.9	0.0	1.7
Gawader	11.8	7.8	97.4	54	0.0	0.0	0.6	0.0	8.3
Gilgit	0.8	-0.5	20.3	53	0.0	5.4	6.9	0.0	1.7
Gupis	-2.7	-3.5	-11.8	47	0.0	3.1	6.7	3.1	2.9

Hyderabad	11.4	10.2	90.6	41	0.0	0.0	0.0	3.4	8.0
Islamabad	4.5	3.2	44.5	71	67.0	2.4	4.1	0.0	0.3
Jacobabad	9.3	8.0	78.7	47	0.0	0.4	0.0	1.7	1.7
Jhang	6.8	5.2	66.6	68	0.0	0.0	0.0	0.0	0.3
Jhelum	7.2	5.9	61.9	70	11.0	1.6	2.3	0.9	2.6
Jiwani	14.9	6.5	103.5	49	0.0	0.0	0.0	1.4	7.7
Kakul	0.5	-4.0	11.1	74	44.5	2.7	5.6	0.0	0.9
Kalam	-4.9	-11.0	-26.1	75	19.0	4.9	5.9	0.0	0.6
Kalat	-1.1	-4.0	-4.7	45	0.0	0.0	1.1	0.0	0.3
Karachi	13.5	12.5	104.5	36	0.0	1.1	0.0	4.0	7.4
Khanpur	7.3	5.5	77.2	53	0.0	0.1	1.6	0.9	3.1
Khuzdar	5.1	0.0	44.4	35	0.0	0.0	0.0	0.0	1.7
Kotli	6.3	3.5	49.3	70	31.0	1.9	4.4	1.1	1.3
Lahore	8.7	8.0	62.9	66	0.1	0.4	2.4	1.1	1.7
Larkana	7.2	6.3	68.7	59	0.2	0.0	0.0	1.7	2.0
Lasbella	10.4	9.0	90.3	37	0.0	0.0	0.0	0.9	4.6
Lower Dir	9.1	6.7	88.3	73	0.0	3.3	2.7	0.0	2.0
M.B Din	2.4	-0.5	26.6	75	42.0	1.6	2.3	0.6	0.9
Malam Jabba	-2.4	-5.0	-27.2	69	64.0	2.3	3.1	2.6	0.9
Mangla	6.2	4.4	53.9	73	18.3	2.1	2.7	0.9	0.6
Mir Khani	2.0	1.4	17.8	46	11.4	2.1	5.7	0.0	1.7
Moinjodaro	7.5	6.5	69.8	55	0.0	0.0	0.7	1.4	4.3
Multan	8.2	7.0	72.4	61	0.0	0.0	1.7	0.6	4.7
Murree	-1.9	-4.0	-12.7	73	29.5	1.1	3.6	0.9	0.9
Muzaffarabad	2.7	-0.8	24.0	73	55.0	4.1	5.1	0.0	1.3
Nawabshah	7.6	6.5	70.0	54	0.0	0.3	0.7	1.6	4.6

Nokkundi	4.0	-1.5	41.1	22	0.0	0.9	0.3	4.3	5.0
Okara	7.4	6.0	68.3	64	0.0	3.0	1.1	0.9	1.7
Padidan	8.4	6.5	74.9	62	0.0	0.3	0.0	0.9	2.6
Panjgur	2.9	-0.5	36.2	43	0.0	0.0	0.0	6.9	12.3
Parachinar	-4.2	-4.5	-28.7	75	20.0	5.7	5.4	3.0	3.0
Pasni	12.7	8.0	96.4	58	0.0	0.4	0.7	2.6	10.0
Peshawar	5.7	4.2	49.4	70	24.1	2.1	3.3	0.0	1.1
Quetta	-2.9	-6.2	-4.1	36	0.0	1.4	2.0	2.5	3.6
R.Y.Khan	7.9	7.0	81.2	56	0.0	0.1	0.7	1.1	2.9
Rawalakot	-2.1	-4.4	-3.4	71	51.4	1.6	4.4	0.0	1.7
Rawalpindi	5.9	5.0	55.2	69	40.3	2.1	3.2	0.1	0.4
Sahiwal	5.8	4.5	59.4	70	0.0	1.1	0.9	0.6	2.9
Saidu Sharif	2.6	0.0	23.6	62	57.0	2.0	2.9	0.0	0.3
Sialkot	7.7	6.7	64.0	72	6.6	0.9	2.9	0.6	0.6
Sibbi	4.4	3.0	60.1	40	0.0	0.6	0.6	1.1	1.7
Skardu	-1.4	-4.0	-3.8	55	0.0	6.6	6.6	0.0	1.1
Tandojam	8.4	7.0	87.5	56	0.0	0.0	0.0	1.1	1.2
Usta.M	7.3	5.5	78.1	62	0.0	0.6	0.3	2.0	4.6
Zhob	0.4	-1.5	14.9	36	0.0	0.3	0.9	5.0	6.1

*** Shows that data was not available.