

# Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the  
Previous Week (from 11<sup>th</sup> to 17<sup>th</sup> Jan, 20 16)**

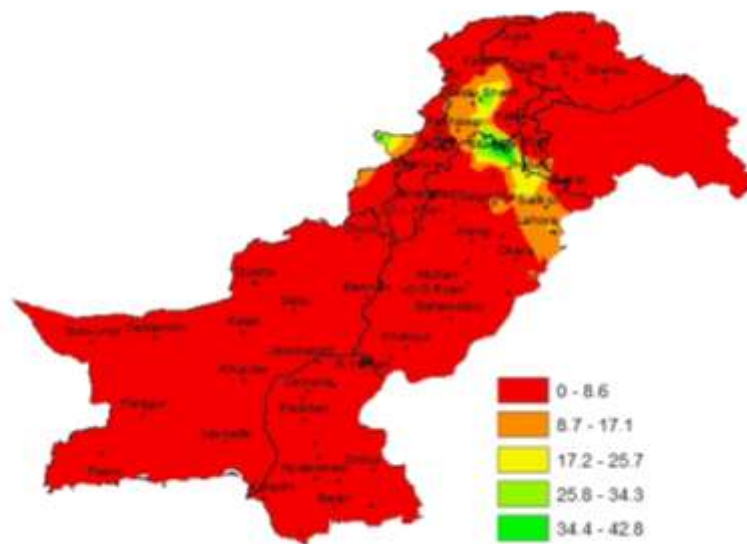
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## **Highlights of Past Weather (from 11<sup>th</sup> to 17<sup>th</sup>, Jan 20 16)**

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 and Punjab.
- Dry weather was reported in Sindh.
- Light rainfall reported only at a single station (Muzaffarabad=0.1) in Gilgit-Baltistan & Kashmir regions.
- Light rainfall reported at few places in Balochistan.

**Past Weather of Provinces (from 11<sup>th</sup> to 17<sup>th</sup>****Jan, 2016)****Punjab**

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 17.1°C & 6.8°C respectively. For the present season average 44.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 79% and wind speed in the morning/evening recorded 0.7/1.4Knots. During the previous week the highest amount of rainfall was recorded 43.1 mm at Islamabad & lowest minimum temperature recorded -1.3°C at Murree.

**Sindh**

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 25.4°C & 10.0°C respectively. For the present season average 80.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 65% and wind speed in the morning/evening recorded 0.8/2.4Knots. During the previous week the lowest minimum temperature recorded 3.5°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 15.2°C & 1.5°C respectively. For the present season average 13.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 67% and wind speed in the morning/evening recorded 0.9/1.8Knots. During the previous week the highest amount of rainfall was recorded 37.0mm at Malam Jabba & the lowest minimum temperature recorded -6.4°C at Parachinar.

**Balochistan**

Light rainfall reported at few places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 21.7°C & 6.0°C respectively. For the present season average 53.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 46% and wind speed in the morning/evening recorded 1.7/3.3Knots. During the previous week the highest amount of rainfall was recorded 4.0mm at Quetta & lowest minimum temperature recorded -4.0°C at Kalat.

**Gilgit-Baltistan and Azad Jammu & Kashmir**

Light rainfall reported only at a single station (Muzaffarabad=0.1) in Gilgit-Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 12.3°C & -1.5°C respectively. Average relative humidity recorded 61% and wind speed in the morning/evening recorded 0.6/1.1Knots. During the previous week the lowest minimum temperature recorded -11.0°C at Skardu.

**Past Weather for Major Agricultural Plains  
(from 11<sup>th</sup> to 17<sup>th</sup> Jan, 2016)****Rawalpindi (Potohar region)**

Rainfall reported as 41.0mm during the week; however cloudiness in the morning/evening recorded 3.6/4.6Oktas while, average relative humidity observed 83%. Mean night time temperature recorded 4.9°C & for the present season 41.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.2/0.5Knots.

**Faisalabad (Central Punjab)**

Rainfall reported as 6.5mm during the week; however cloudiness in the morning/evening recorded 2.1/4.9Oktas while, average relative humidity observed as 83%. Mean night time temperature recorded 8.6°C & for the present season 55.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/0.8Knots.

**Tandojam (Lower Sindh)**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.9/0.0Oktas while, average relative humidity observed as 61%. Mean night time temperature recorded 9.9°C & for the present season 88.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/0.6Knots.

**Quetta (Northern Balochistan)**

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 0.2/1.4Oktas while, average relative humidity observed as 37%. Mean night time temperature recorded -0.5°C & for the present season 9.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/3.4Knots.

**Usta Muhammad (Eastern Balochistan)**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.3/2.3Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded 8.7°C & for the present season 78.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.1/0.1Knots.

**Past Weather for Sub-Regional Agricultural  
Plains (from 11<sup>th</sup> to 17<sup>th</sup> Jan, 2016)****Multan**

Rainfall reported as 2.9mm during the week; however cloudiness in the morning/evening recorded 2.5/1.9Oktas while, average relative humidity observed as 79%. Mean night time temperature recorded 8.8°C & for the present season 56.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/3.1Knots.

**Lahore**

Rainfall reported as 10.2mm during the week; however cloudiness in the morning/evening recorded 4.8/5.0Oktas while, average relative humidity observed as 80%. Mean night time temperature recorded 9.1°C & for the present season 50.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/1.1Knots.

**Zhob**

Rainfall reported as 2.0mm during the week; however cloudiness in the morning/evening recorded 1.9/1.0Oktas while, average relative humidity observed as 44%. Mean night time temperature recorded -0.4°C by the end of last week. Wind speed recorded in the morning/evening as 5.0/5.0Knots.

**D.I. Khan**

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 3.6/2.0Oktas while, average relative humidity observed as 76%. Mean night time temperature recorded 4.5°C & for the present season 42.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/2.0Knots.

**Peshawar**

Rainfall reported as 4.6mm during the week; however cloudiness in the morning/evening recorded 2.3/2.7Oktas while, average relative humidity observed as 78%. Mean night time temperature recorded 4.5°C & for the present season 38.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.3Knots.

**Murree**

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 1.9/3.4Oktas while, average relative humidity observed as 59%. Mean night time temperature recorded -0.4°C by the end of last week. Wind speed recorded in the morning/evening 3.0/1.4Knots.

**Kalam**

Rainfall reported as 7.0mm during the week; however cloudiness in the morning/evening recorded 2.9/3.9Oktas while, average relative humidity observed as 72%. Mean night time temperature recorded -4.4°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 4.9/5.1Oktas while, average relative humidity observed as 65%. Mean night time temperature recorded -2.5°C by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.0Knots.

**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 76%. Mean night time temperature recorded -9.5°C 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 *Third Leaf* stage.

**Central Punjab (Faisalabad)**

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

**Wheat:** Good condition at *Tillering* stage Completed.

**Lower Sindh (Tandojam)**

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

**Wheat:** Good condition at *Tillering* stage.

**Northern Balochistan (Quetta)**

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

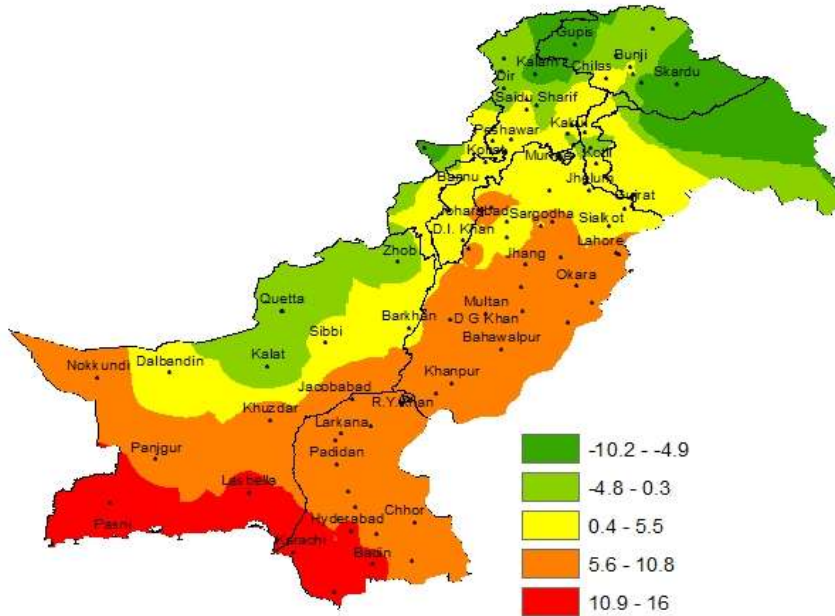
**Wheat:** Good condition at *Third Leaf* stage.

**Eastern Balochistan (Usta Muhammad)**

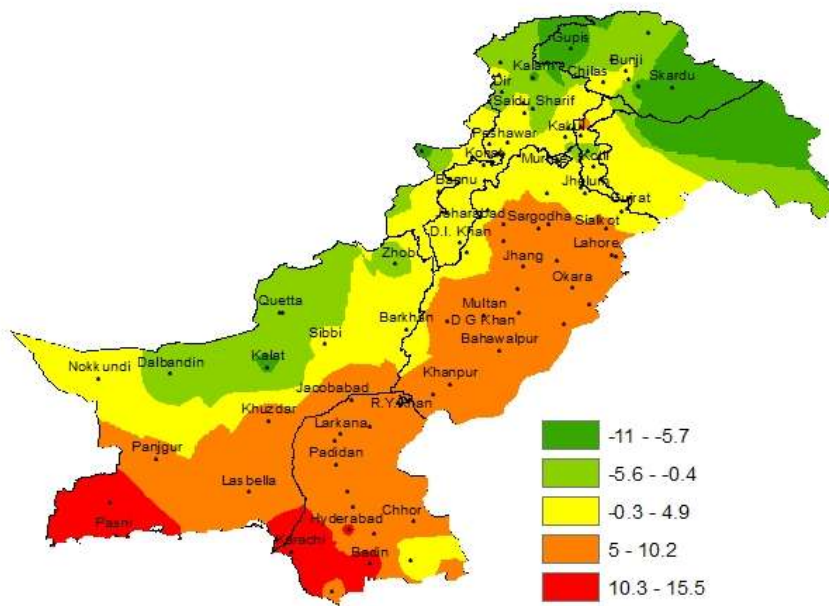
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

**Wheat:** Good condition at *Tillering* stage.

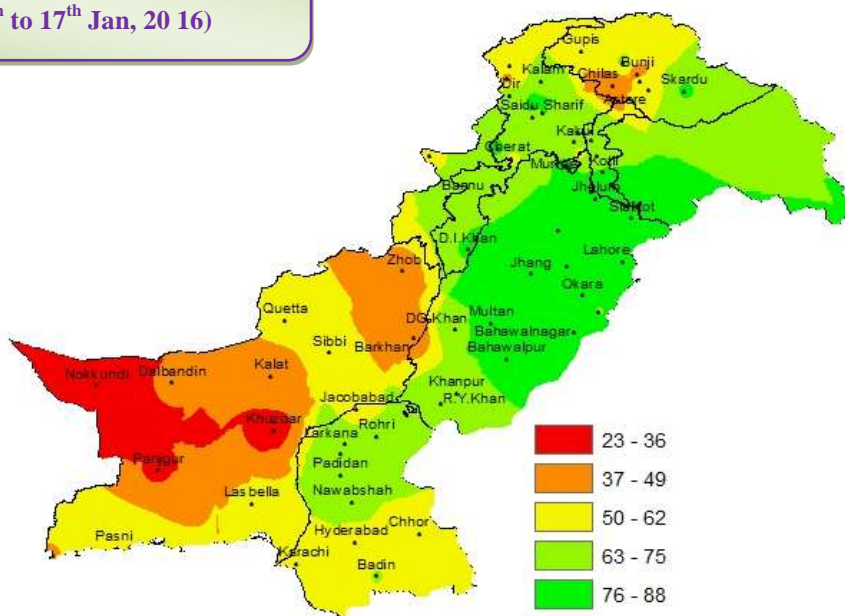
Mean Minimum Temperature (°C) during the Previous week (from 11<sup>th</sup> to 17<sup>th</sup> Jan, 20 16)



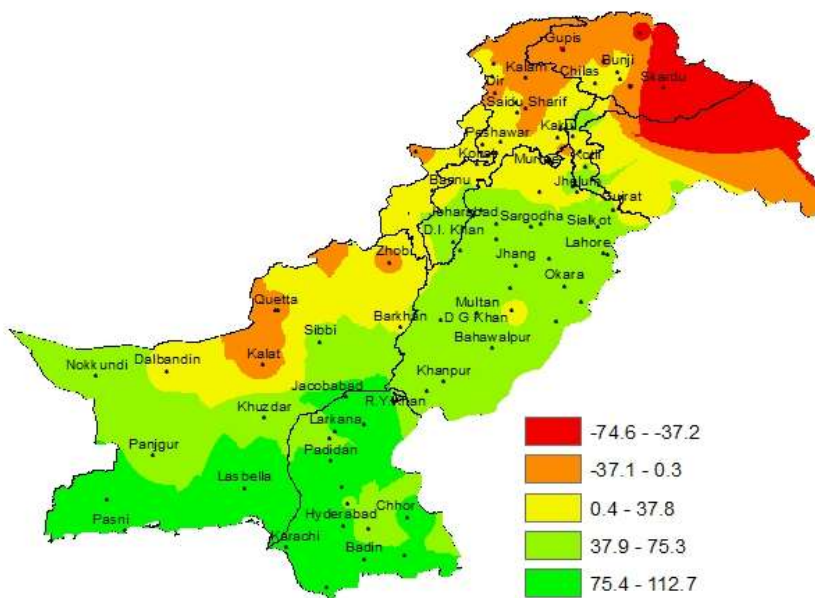
Lowest Minimum Temperature (°C) during the Previous week (from 11<sup>th</sup> to 17<sup>th</sup> Jan, 20 16)



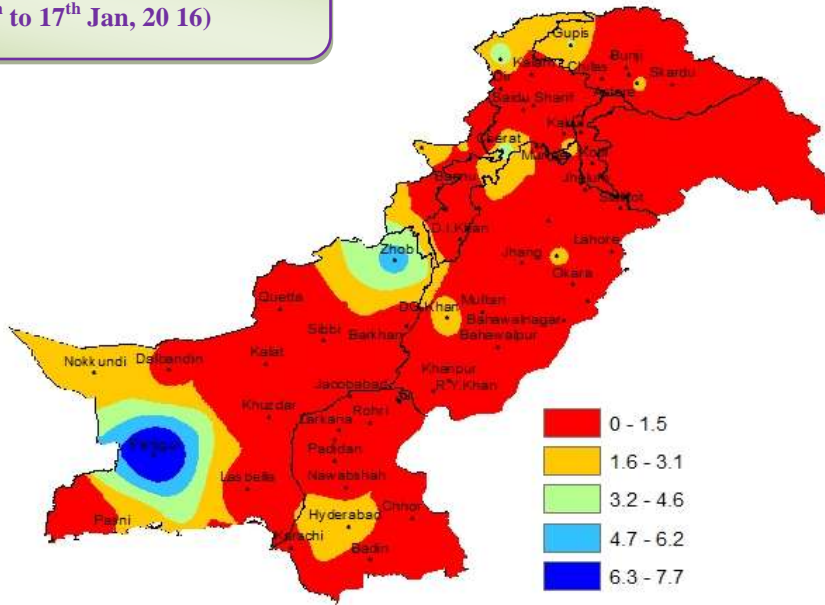
Mean Relative Humidity (%) during the Previous week (from 11<sup>th</sup> to 17<sup>th</sup> Jan, 2016)



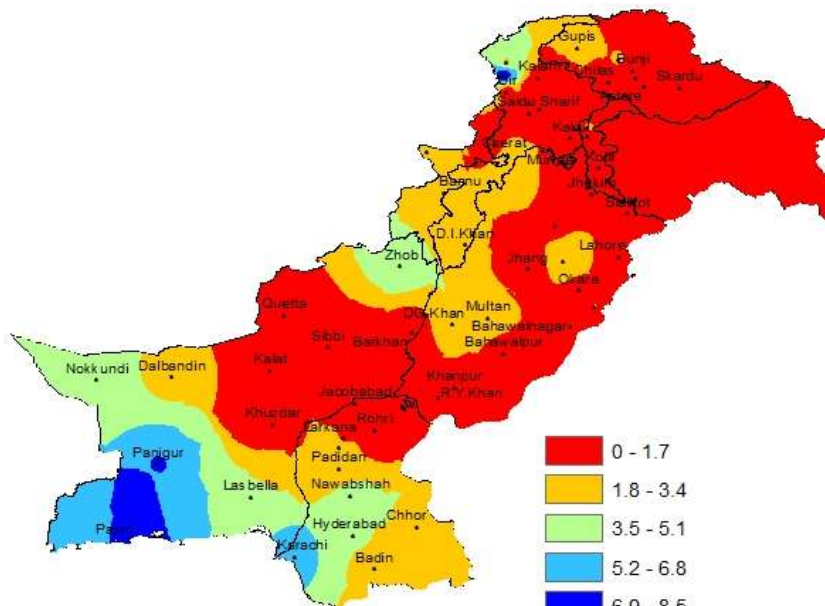
Total Growing Degree Days accumulated during the Previous week (from 11<sup>th</sup> to 17<sup>th</sup> Jan, 2016)



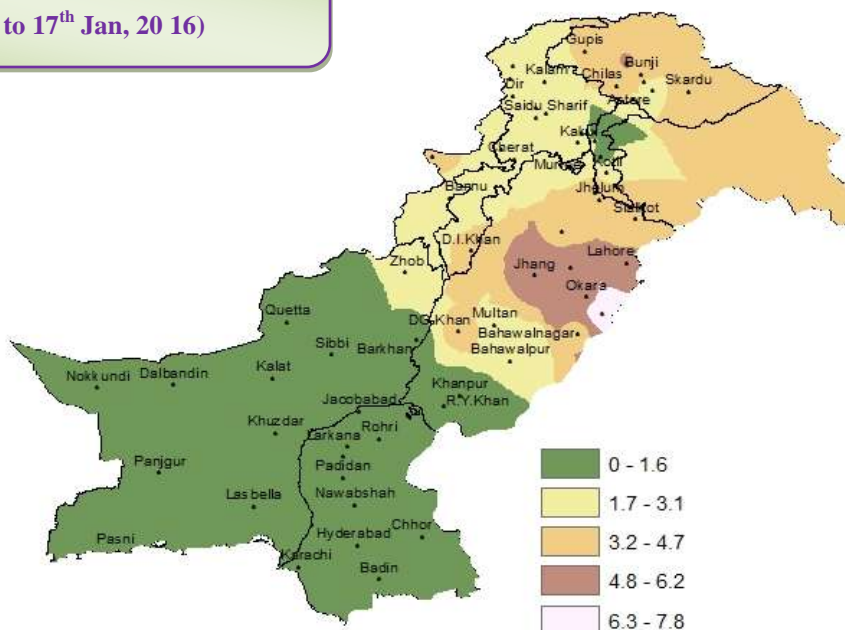
Mean Wind Speed (Knots) at 0800 PST during the Previous week (from 11<sup>th</sup> to 17<sup>th</sup> Jan, 20 16)



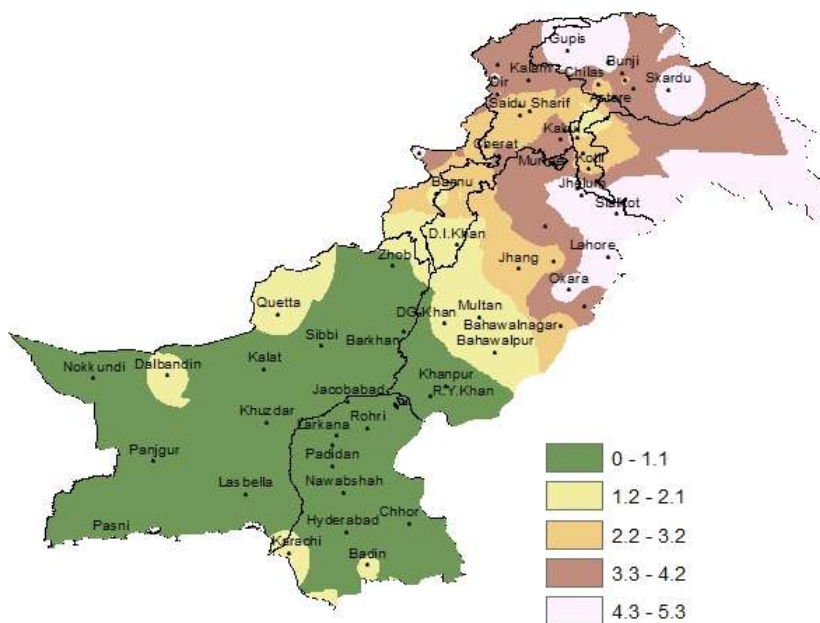
Mean Wind Speed (Knots) at 1700 PST during the Previous week (from 11<sup>th</sup> to 17<sup>th</sup> Jan, 20 16)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 11<sup>th</sup> to 17<sup>th</sup> Jan, 20 16)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (from 11<sup>th</sup> to 17<sup>th</sup> Jan, 20 16)





**Weekly Weather Advisory for Farmers****(from 18<sup>th</sup> to 23<sup>rd</sup> Jan, 2016)**

Continental air would prevail over most parts of the country during next few days. A shallow westerly wave is likely to approach upper parts of the country on Monday and likely to move north-eastward in next 24 to 36 hours.

**MONDAY  
18-01-2016**

Mainly cold & dry weather is expected in most parts of the country. However partly cloudy weather conditions with chances of light rain is likely in Zhob, Malakand, Hazara divisions upper FATA, Gilgit-Baltistan and Kashmir. Dense Foggy conditions are likely to prevail over plain areas of Punjab, Peshawar division and upper Sindh during night & morning hours.

**TUESDAY  
19-01-2016**

Mainly cold & dry weather is expected in most parts of the country. However, partly cloudy weather conditions are likely in Malakand, Hazara, Rawalpindi, Gujranwala, Lahore divisions, Gilgit-Baltistan and Kashmir. Dense Foggy conditions are likely to prevail over plain areas of Punjab and upper Sindh during night & morning hours.

**WEDNESDAY  
20-01-2016**

Mainly cold & dry weather is expected in most parts of the country. Foggy conditions are likely to prevail over plain areas of Punjab and upper Sindh during night & morning hours.

**THURSDAY  
21-01-2016**

Mainly cold & dry weather is expected in most parts of the country. Foggy conditions are likely to prevail over plain areas of Punjab and upper Sindh during night & morning hours.

**FRIDAY  
22-01-2016**

Mainly cold & dry weather is expected in most parts of the country. Foggy conditions are likely to prevail over plain areas of Punjab and upper Sindh during night & morning hours.

**SATURDAY  
23-01-2016**

Mainly cold & dry weather is expected in most parts of the country. Foggy conditions are likely to prevail over plain areas of Punjab and upper Sindh during night & morning hours.

**ADVISES FOR CROPS**

- ❖ Farmers of irrigated areas should irrigate the crop as per requirement due to dry weather prevailing in most of the irrigated agricultural plains of the country. 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.
- ❖ Falling leaves from the trees negatively affect standing Rabi crops like wheat and other Rabi crops. Farmers should collect leaves from the crops as early as possible so that crop normal growth may not be disturbed.
- ❖ 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 11<sup>th</sup> to 17<sup>th</sup> Jan, 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	-6.3	-9.0	-41.8	58	0.0	2.7	4.0	2.0	0.9
Badin	14.0	11.5	101.5	62	0.0	0.6	1.1	0.6	2.6
Bahawalnagar	9.5	7.0	58.2	84	0.0	4.0	2.7	0.6	0.9
Bahawalpur	8.0	7.2	57.0	77	0.1	2.0	1.1	0.6	0.3
Balakot	2.3	1.3	23.7	71	0.1	2.9	4.1	0.0	0.3
Bannu	3.0	1.6	34.3	66	2.0	1.9	2.0	0.3	2.0
Barkhan	4.3	2.5	36.8	39	0.0	0.6	0.0	0.6	0.0
Bunji	1.1	0.6	7.3	40	0.0	4.3	4.0	0.6	0.0
Cherat	2.4	1.5	5.5	59	8.0	2.4	3.4	3.7	3.4
Chhor	8.0	5.5	79.8	60	0.0	0.7	0.7	0.6	2.9
Chilas	3.2	2.5	24.5	38	0.0	3.3	3.0	0.0	0.9
Chitral	-0.6	-1.5	0.2	57	1.1	2.6	3.3	4.0	3.1
D.I.Khan	4.5	3.5	42.5	76	0.1	3.6	2.0	0.6	2.0
Dalbandin	-0.3	-3.0	34.3	37	0.0	0.4	1.1	1.1	2.9
DG.Khan	9.6	7.3	60.5	73	0.0	4.0	1.3	2.0	3.4
Dir	-2.6	-3.0	-6.5	70	8.0	2.4	3.1	0.0	0.6
Drosh	1.0	0.9	3.4	46	0.0	2.6	4.4	1.4	8.6
Faisalabad	8.6	6.5	55.0	83	6.5	2.1	4.9	0.7	0.8
Garidopatta	2.6	1.5	30.8	70	0.0	1.7	2.4	0.0	1.1
Gawader	14.3	13.0	102.3	57	0.0	0.0	0.6	0.0	6.3
Gilgit	-2.5	-4.5	-5.8	65	0.0	4.9	5.1	0.0	2.0

Gupis	-6.1	-8.0	-37.5	49	0.0	3.1	4.7	3.1	2.0
Hyderabad	12.2	10.5	88.5	59	0.0	1.0	0.0	2.6	3.7
Islamabad	3.4	2.5	25.6	80	36.1	2.3	4.0	0.0	0.9
Jacobabad	10.5	9.0	77.8	56	0.0	1.3	0.9	0.3	0.6
Jhang	6.8	6.0	39.1	87	4.9	6.2	2.4	0.0	0.6
Jhelum	5.9	3.9	36.0	85	18.1	4.2	5.0	0.0	0.9
Jiwani	16.6	15.5	110.8	47	0.0	0.9	0.9	1.4	6.3
Kakul	1.1	0.5	12.0	67	0.0	2.1	3.4	0.0	0.6
Kalam	-4.4	-6.0	-31.0	72	7.0	2.9	3.9	0.0	0.6
Kalat	-3.8	-6.0	-14.0	43	0.0	0.0	0.0	0.0	0.6
Karachi	14.8	13.5	107.0	51	0.0	1.3	1.3	1.4	6.0
Khanpur	7.7	6.1	61.5	72	0.0	0.5	0.9	0.0	0.9
Khuzdar	8.3	7.0	73.8	31	0.0	0.0	0.7	0.9	1.0
Kotli	5.0	2.6	40.4	75	0.0	2.4	2.9	0.4	1.6
Lahore	9.1	8.0	50.9	80	10.2	4.8	5.0	0.6	1.1
Larkana	10.4	9.5	78.8	67	0.0	0.6	0.3	0.6	1.4
Lasbella	10.7	7.0	89.5	52	0.0	0.6	0.6	0.9	3.7
Lower Dir	1.8	1.0	18.8	77	9.0	2.9	3.1	0.0	1.7
M.B Din	7.9	6.0	40.8	88	9.6	4.0	3.9	0.0	1.4
Malam Jabba	-3.1	-4.5	-30.0	75	37.0	2.0	2.1	0.9	1.1
Mangla	6.6	4.4	40.5	83	24.5	4.0	4.4	0.6	1.7
Mir Khani	1.2	0.6	16.3	56	0.0	2.9	2.9	0.0	0.3
Moinjodaro	8.1	6.0	68.5	72	0.0	0.9	0.0	0.0	2.7
Multan	8.8	7.5	56.6	79	2.9	2.5	1.9	0.6	3.1
Murree	-0.4	-1.5	-8.0	59	0.1	1.9	3.4	3.0	1.4
Muzaffarabad	3.6	2.8	28.3	71	0.1	2.0	2.1	0.9	0.0

Nawabshah	9.5	8.5	79.5	63	0.0	0.7	0.0	1.3	4.3
Nokkundi	5.4	4.0	53.8	23	0.0	0.0	0.6	2.3	3.7
Okara	8.9	6.9	48.5	87	3.2	5.8	5.1	1.1	1.1
Padidan	9.4	8.5	80.5	68	0.0	0.4	0.0	1.1	2.0
Panjgur	7.1	5.0	57.0	35	0.0	0.4	1.0	7.7	6.9
Parachinar	-5.4	-6.4	-14.6	59	28.4	4.1	4.3	3.0	3.0
Pasni	13.4	11.0	100.0	59	0.0	0.0	0.0	1.7	7.1
Pattan	8.4	7.0	51.3	60	0.0	0.0	1.1	0.0	2.3
Peshawar	4.5	4.0	38.1	78	4.6	2.3	2.7	0.3	0.3
Quetta	-0.5	-2.7	9.0	37	0.1	0.2	1.4	0.9	3.4
R.Y.Khan	9.0	5.6	71.7	73	0.0	0.7	0.3	0.3	0.9
Rawalakot	-1.2	-2.2	0.7	73	0.0	1.1	3.0	0.0	0.9
Rawalpindi	4.9	3.8	41.3	83	41.0	3.6	4.6	0.2	0.5
Sahiwal	7.3	5.0	41.0	74	9.0	7.8	3.3	0.6	1.7
Saidu Sharif	2.7	1.5	6.5	72	9.6	1.9	2.6	0.0	0.0
Sialkot	7.2	4.9	41.0	85	9.0	4.4	5.3	0.0	0.3
Sibbi	1.9	0.5	49.5	52	0.0	0.0	0.6	0.9	0.0
Skardu	-9.5	-11.0	-74.7	76	0.0	4.3	4.6	0.0	0.0
Tandojam	9.9	8.0	88.8	61	0.0	0.9	0.0	0.5	0.6
Usta.m	8.9	6.5	78.0	67	0.0	1.3	2.3	0.1	0.1
Zhob	-0.4	-1.0	-3.3	44	2.0	1.9	1.0	5.0	5.0

\*\*\* Shows that data was not available.