

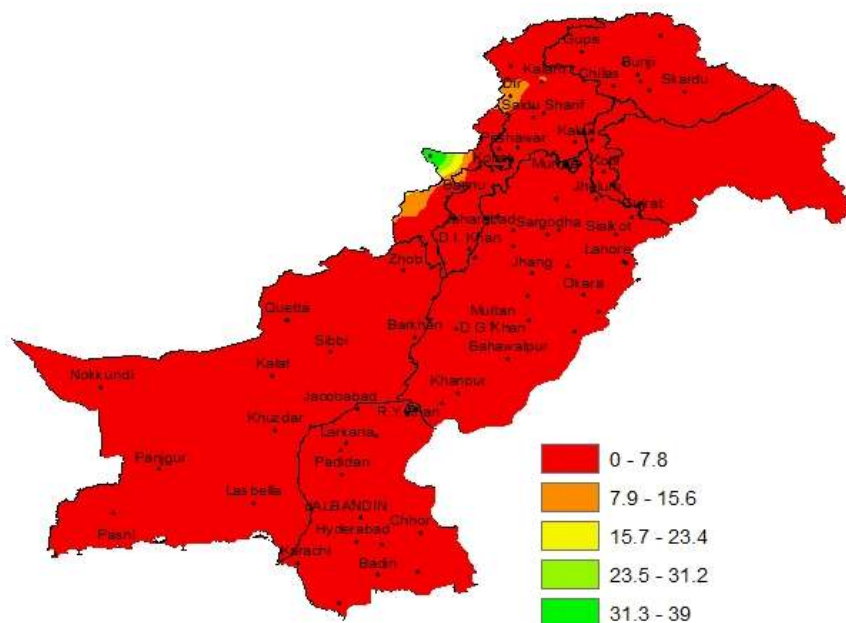
# Weekly Weather and

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**Rainfall Distribution (mm) during the  
Previous Week (From 28<sup>th</sup> Dec, 15 to 3<sup>rd</sup> Jan, 16)**



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## Highlights of Past Weather (from 28<sup>th</sup> Dec, 15 to 3<sup>rd</sup> Jan, 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 and Gilgit-Baltistan & Kashmir regions.
- Dry weather was reported in Sindh
- Light rainfall reported at few places in Punjab 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 28<sup>th</sup> Dec, 15 to 3<sup>rd</sup> Jan, 2016)**

**Punjab**

Light rainfall reported at few places in Punjab during the week. Weekly maximum and minimum temperatures recorded 23.3°C & 5.6°C respectively. For the present season average 62.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 65% and wind speed in the morning/evening recorded 0.3/0.7Knots. During the previous week the highest amount of rainfall was recorded 2.2 mm at Murree & lowest minimum temperature recorded -1.5°C at Murree.

**Sindh**

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 27.1°C & 10.0°C respectively. For the present season average 90.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 54% and wind speed in the morning/evening recorded 0.9/2.3Knots. During the previous week the lowest minimum temperature recorded 1.0°C at Sukkur.

**Khyber Pakhtunkhwa**

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa province during the week. Weekly maximum and minimum temperatures recorded 17.7°C & 1.9°C respectively. For the present season average 18.7 growing degree days accumulated by the end of last week. Average relative humidity recorded 57% and wind speed in the morning/evening recorded 1.3/2.6Knots. During the previous week the highest amount of rainfall was recorded 39.2mm at Parachinar & lowest minimum temperature recorded -10.6°C at Parachinar.

**Balochistan**

Light rainfall reported at few places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 22.9°C & 6.8°C respectively. For the present season average 58.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 48% and wind speed in the morning/evening recorded 1.8/3.7Knots. During the previous week the highest amount of rainfall was recorded 0.2mm at Quetta & lowest minimum temperature recorded -5.0°C at Kalat.

**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 13.0°C & -1.0°C respectively. For the present season average -4.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 59% and wind speed in the morning/evening recorded 0.8/1.1Knots. During the previous week the highest amount of rainfall was recorded 5.8mm at Garhi Dopatta & lowest minimum temperature recorded -13.6°C at Skardu.

**Past Weather for Major Agricultural Plains  
(from 28<sup>th</sup> Dec, 2015 to 3<sup>rd</sup> Jan, 2016)****Rawalpindi (Potohar region)**

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 0.3/1.7Oktas while, average relative humidity observed 70%. Mean night time temperature recorded 4.5°C & for the present season 55.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.8Knots.

**Faisalabad (Central Punjab)**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.4/2.0Oktas while, average relative humidity observed as 63%. Mean night time temperature recorded 5.8°C & for the present season 72.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.5Knots.

**Tandojam (Lower Sindh)**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.4/0.7Oktas while, average relative humidity observed as 61%. Mean night time temperature recorded 10.8°C & for the present season 96.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.8/1.1Knots.

**Quetta (Northern Balochistan)**

Rainfall reported as 0.2mm during the week; however cloudiness in the morning/evening recorded 2.4/14.0Oktas while, average relative humidity observed as 43%. Mean night time temperature recorded 0.7°C & for the present season 20.2 growing degree days accumulated 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 3.4/2.9Oktas while, average relative humidity observed as 66%. Mean night time temperature recorded 8.6°C & for the present season 83.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/0.6Knots.

**Past Weather for Sub-Regional Agricultural  
Plains (from 28<sup>th</sup> Dec, 2015 to 3<sup>rd</sup> Jan, 2016)****Multan**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.0/1.6Oktas while, average relative humidity observed as 66%. Mean night time temperature recorded 8.0°C & for the present season 67.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.1Knots.

**Lahore**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.4/3.0Oktas while, average relative humidity observed as 62%. Mean night time temperature recorded 7.6°C & for the present season 64.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.4Knots.

**Zhob**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.1/2.0Oktas while, average relative humidity observed as 38%. Mean night time temperature recorded -0.2°C & for the present season 20.8 growing degree days accumulated 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 0.0/0.1Oktas while, average relative humidity observed as 64%. Mean night time temperature recorded 3.9°C & for the present season 45.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.0Knots.

**Peshawar**

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 1.0/2.6Oktas while, average relative humidity observed as 65%. Mean night time temperature recorded 5.8°C & for the present season 47.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.6Knots.

**Murree**

Rainfall reported as 2.2mm during the week; however cloudiness in the morning/evening recorded 1.4/2.6Oktas while, average relative humidity observed as 42%. Mean night time temperature recorded 0.3°C & for the present season 7.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 2.1/1.6Knots.

**Kalam**

Rainfall reported as 8.0mm during the week; however cloudiness in the morning/evening recorded 4.0/3.6Oktas while, average relative humidity observed as 68%. Mean night time temperature recorded -2.8°C & for the present season -12.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 0.0/0.0Knots.

**Gilgit**

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 5.4/5.0Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded -2.2°C & for the present season -12.3 growing degree days accumulated by

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

**Skardu**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 6.0/5.6Oktas while, average relative humidity observed as 76%. Mean night time temperature recorded -9.8°C & for the present season -62.2 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 no crop grown in the fields of RAMC Rawalpindi.

**Central Punjab (Faisalabad)**

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

**Wheat:** V. 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 *Third Leaf* stage.

**Northern Balochistan (Quetta)**

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

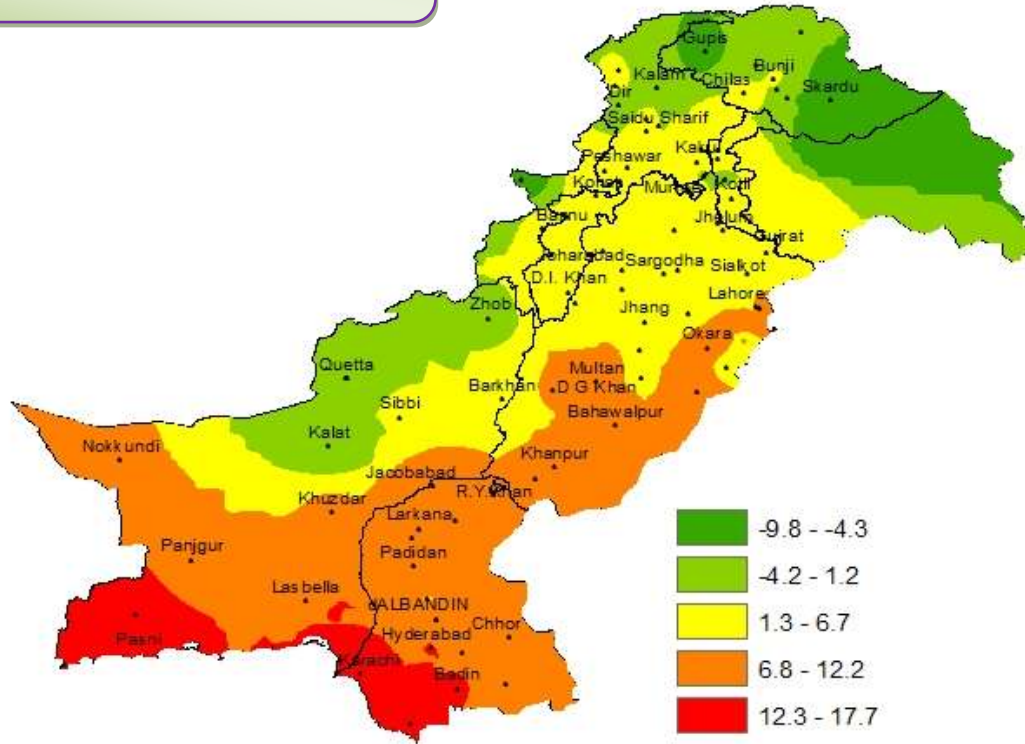
**Wheat:** Good condition at *Emergence* stage.

**Eastern Balochistan (Usta Muhammad)**

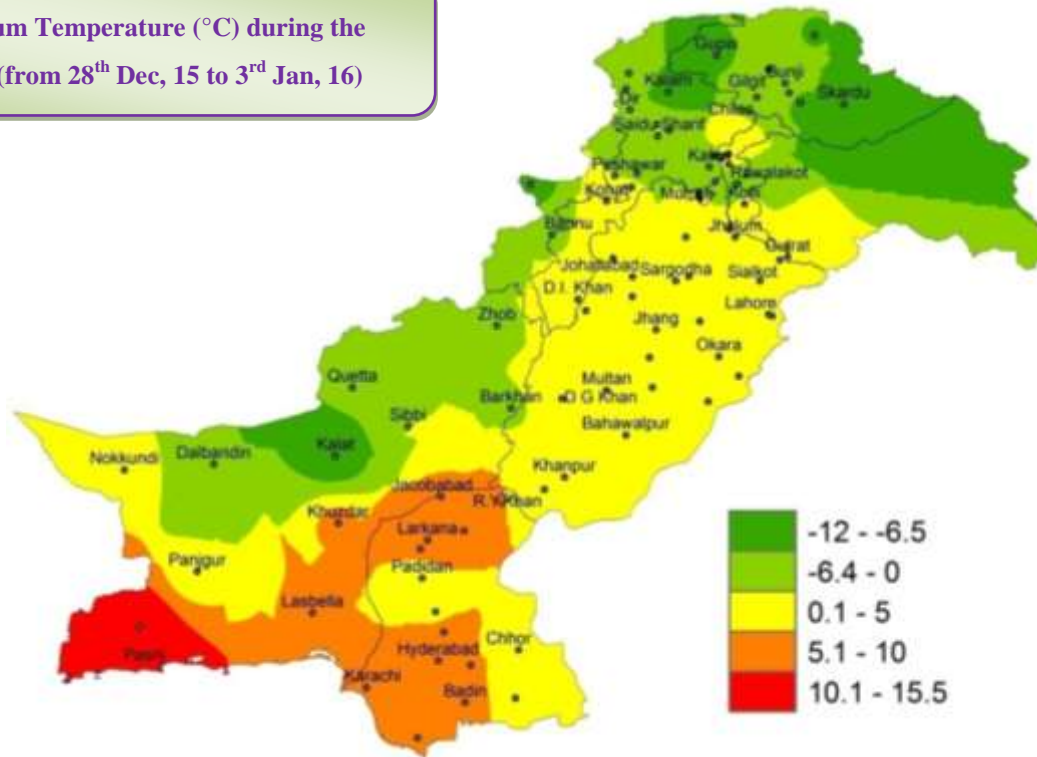
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

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

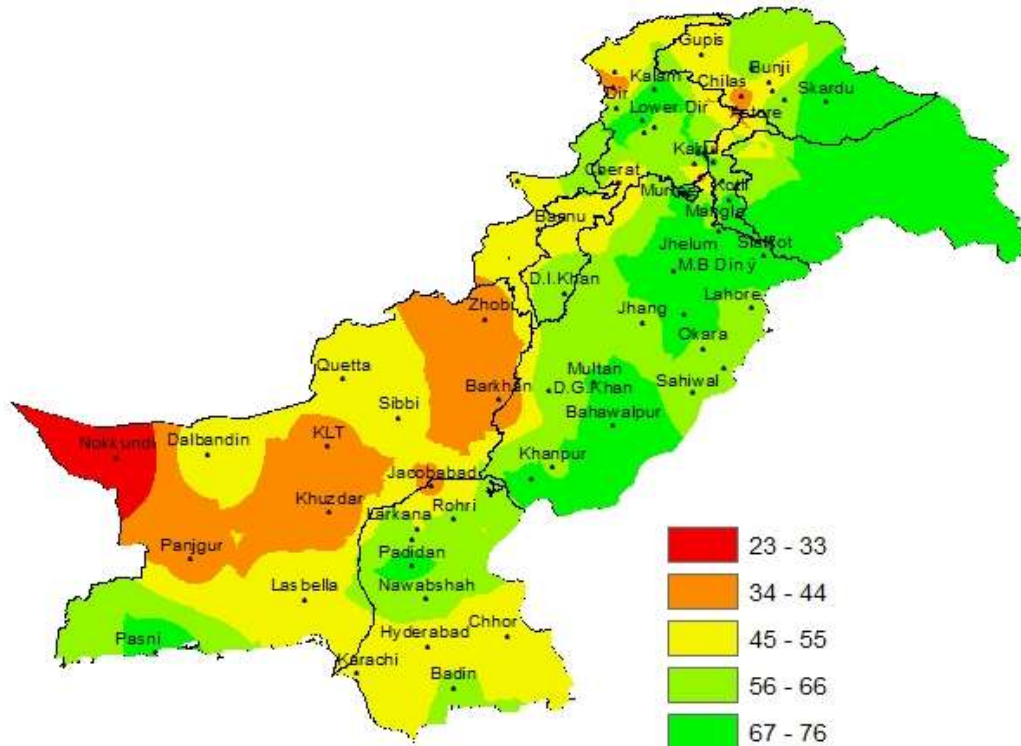
Mean Minimum Temperature (°C) during the Previous week (from 28<sup>th</sup> Dec, 15 to 3<sup>rd</sup> Jan, 16)



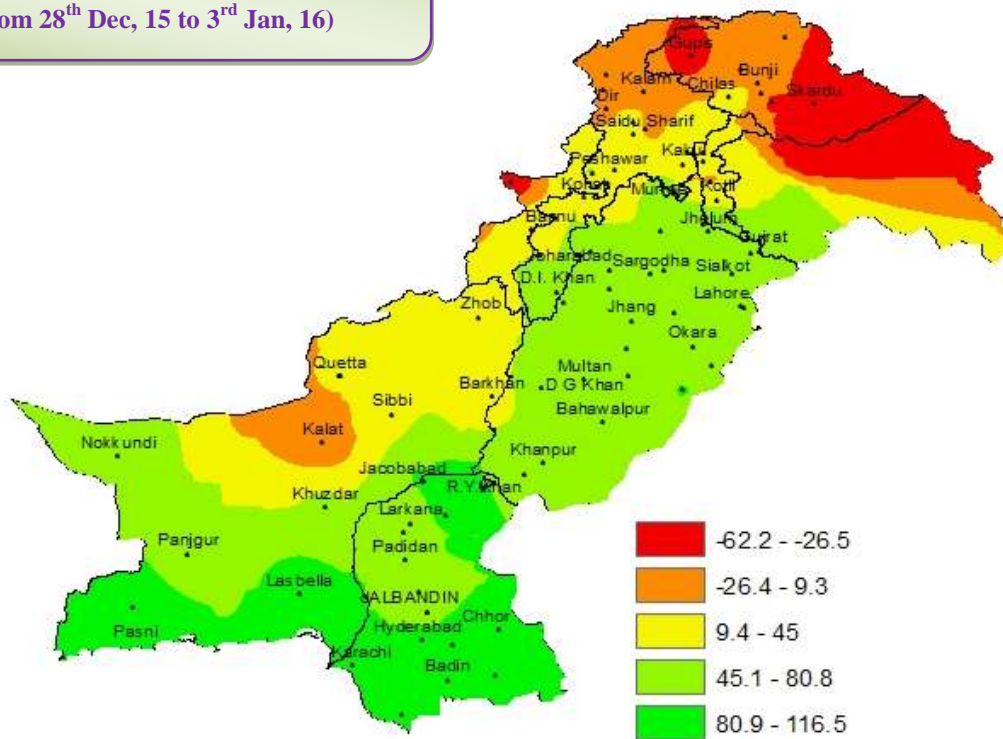
Lowest Minimum Temperature (°C) during the Previous week (from 28<sup>th</sup> Dec, 15 to 3<sup>rd</sup> Jan, 16)



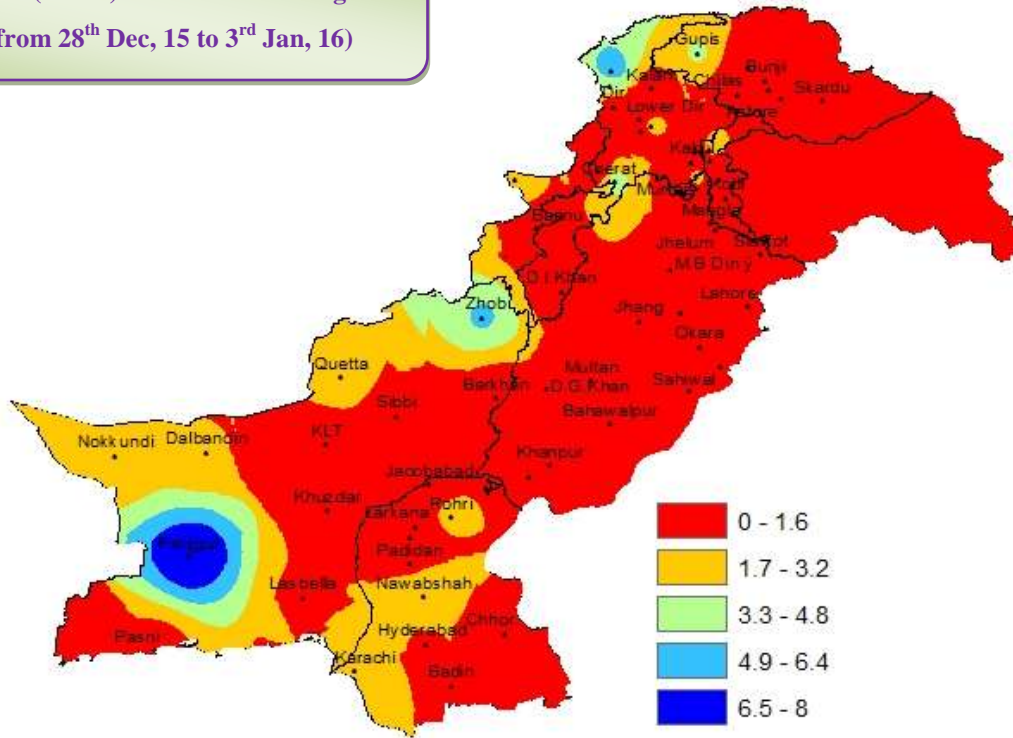
Mean Relative Humidity (%) during the Previous week (from 28<sup>th</sup> Dec 15, to 3<sup>rd</sup> Jan, 16)



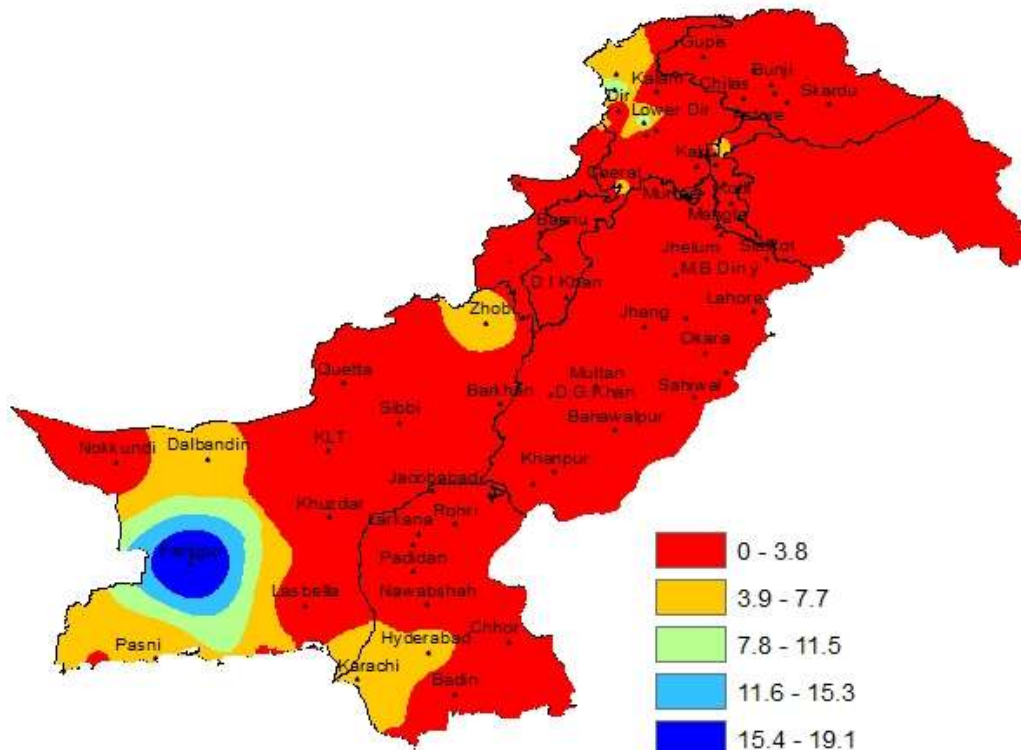
Total Growing Degree Days accumulated during the Previous week (from 28<sup>th</sup> Dec, 15 to 3<sup>rd</sup> Jan, 16)



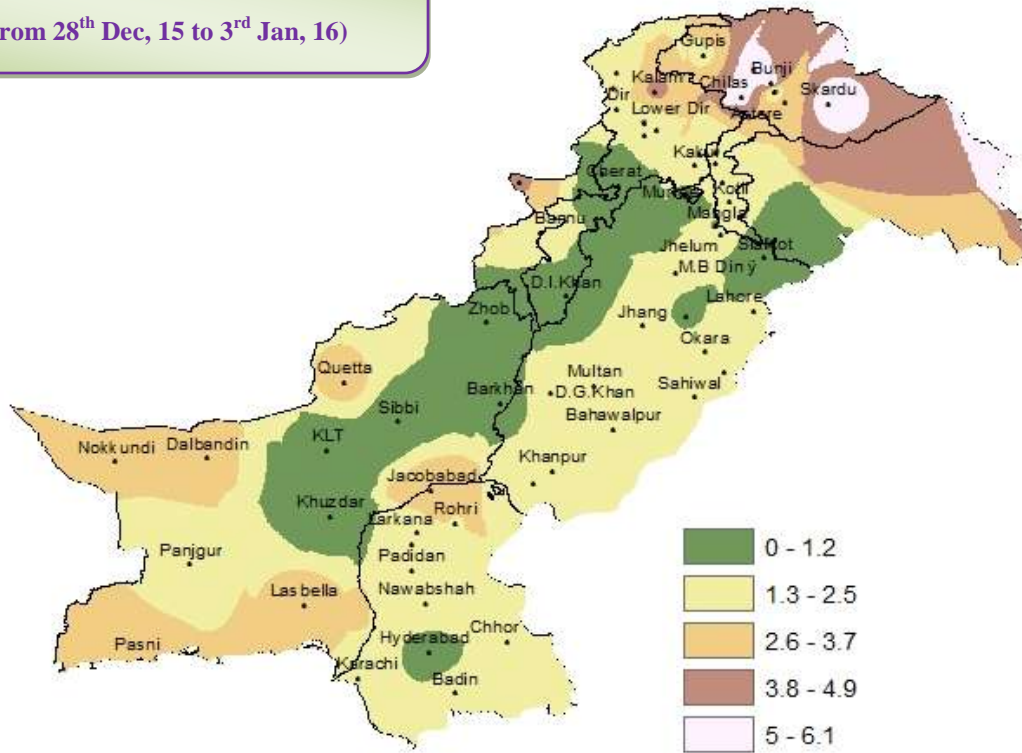
Mean Wind Speed (Knots) at 0800 PST during the Previous week (from 28<sup>th</sup> Dec, 15 to 3<sup>rd</sup> Jan, 16)



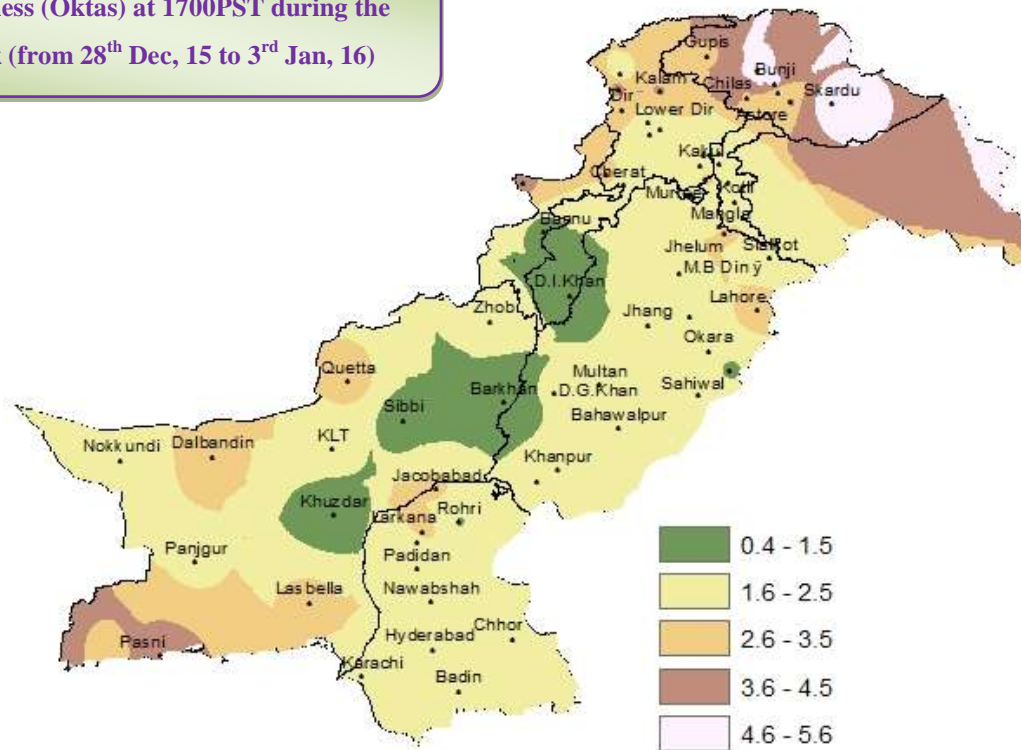
Mean Wind Speed (Knots) at 1700 PST during the Previous week (from 28<sup>th</sup> Dec, 15 to 3<sup>rd</sup> Jan, 16)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 28<sup>th</sup> Dec, 15 to 3<sup>rd</sup> Jan, 16)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (from 28<sup>th</sup> Dec, 15 to 3<sup>rd</sup> Jan, 16)





**Weekly Weather Advisory for Farmers****(From 4<sup>th</sup> to 10<sup>th</sup> Jan, 2016)**

A westerly wave is affecting western and upper parts of the country and likely to persist till Monday. Another fresh shallow westerly wave is expected to approach western and upper parts of the country from Wednesday (evening/night).

**MONDAY****04-01-2016**

Mainly cold and dry weather is expected in most parts of the country. However, light rain (with light snowfall) over the hills is expected at isolated places in Gilgit-Baltistan, Kashmir and its adjoining areas. Shallow foggy conditions are likely to prevail over plain areas of Punjab and upper Sindh during morning hours.

**TUESDAY****05-01-2016**

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

**WEDNESDAY****06-01-2016**

Mainly cold and dry weather is expected in most parts of the country. Rain (Snowfall over hills) is expected at isolated places of Quetta, Zhob, Malakand divisions, FATA, Gilgit-Baltistan. Foggy conditions are likely over plain areas of Punjab, Peshawar division and upper Sindh during night & morning hours.

**THURSDAY****07-01-2016**

Rain (Snowfall over hills) is expected at isolated places of Quetta, Zhob divisions, upper KP, Islamabad, upper Punjab, FATA, Gilgit-Baltistan and Kashmir. Cold and Dry weather is expected in other parts of the country. Shallow foggy conditions are likely over plain areas of Punjab during morning hours.

**FRIDAY****08-01-2016**

Mainly cold and dry weather is expected in most parts of the country. Isolated rain with snowfall over hills is expected in northeast Punjab, Gilgit-Baltistan and Kashmir. Shallow foggy conditions are likely over plain areas of Punjab during morning hours.

**SATURDAY****09-01-2016**

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

**SUNDAY****10-01-2016**

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

**ADVISES FOR CROPS**

- ❖ 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.
- ❖ Due to expected dry weather in most parts of the country, farmers are advised to irrigate the crops as per requirement during the decade.
- ❖ Frost is expected in several plain areas of the country during the decade at clear nights. Farmers are advised to take in time precautionary measures in this regard to protect standing crops and orchards.

**National Weather Data of Selected Cities****(Weekly Data from 28<sup>th</sup> Dec, 2015 to 3<sup>rd</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	-5.2	-8.5	-40.3	66	0.0	3.6	3.6	0.6	0.3
Badin	12.8	12.0	102.4	56	0.0	1.6	2.1	1.4	2.0
Bahawalnagar	9.3	9.0	81.6	65	0.0	2.0	1.9	0.0	0.0
Bahawalpur	8.0	6.8	77.6	69	0.0	1.4	1.6	0.0	0.0
Balakot	3.6	2.6	28.5	67	4.6	2.3	1.9	0.0	0.0
Bannu	3.5	2.5	37.6	49	2.0	2.0	1.1	0.3	0.6
Barkhan	1.8	0.5	24.3	34	0.0	0.6	0.4	0.0	0.9
Bunji	2.3	1.1	6.4	46	0.0	6.3	5.1	0.7	0.0
Cherat	3.8	3.0	16.5	43	1.0	0.3	2.3	4.0	4.3
Chhor	8.6	7.6	94.0	53	0.0	1.8	1.7	0.0	2.0
Chilas	3.1	2.0	17.6	42	0.0	5.1	3.4	0.0	1.1
Chitral	1.2	0.0	6.0	47	6.8	1.3	1.9	6.0	5.7
D.I.Khan	3.9	3.0	45.0	64	0.1	0.0	1.1	0.0	0.0
Dalbandin	2.0	-2.0	30.9	50	0.1	3.0	2.9	1.7	4.9
D.G.Khan	7.4	6.2	72.7	60	0.0	1.7	1.7	1.4	1.7
Dir	-2.4	-3.0	0.2	65	12.0	2.3	3.0	0.0	1.1
Drosh	2.3	2.0	7.2	33	6.6	2.6	3.9	3.7	10.9
Faisalabad	5.8	4.8	73.0	63	0.0	1.4	2.0	0.0	0.5
Garidopatta	3.8	2.6	30.7	70	5.8	2.4	2.1	0.0	0.3
Gawader	15.1	14.0	102.4	62	0.0	3.4	2.7	0.9	3.4
Gilgit	-2.2	-4.0	-12.3	67	0.1	5.4	5.0	0.0	0.0
Gupis	-6.2	-7.0	-37.8	50	0.0	2.1	3.4	3.4	1.4

Hyderabad	12.5	11.5	96.4	48	0.0	0.7	1.6	1.3	4.6
Islamabad	3.3	2.5	52.5	72	0.1	1.0	1.9	0.0	0.3
Jacobabad	9.9	8.0	81.4	42	0.0	3.4	2.6	0.6	1.1
Jhang	5.5	4.7	71.7	64	0.0	2.0	1.7	0.0	0.0
Jhelum	4.6	3.9	60.3	72	0.1	1.7	2.6	0.0	0.6
Jiwani	16.0	14.5	105.8	56	0.0	3.0	4.6	1.4	6.0
Kakul	2.1	1.0	19.3	56	0.0	2.1	2.3	0.0	0.3
Kalam	-2.8	-5.0	-12.0	68	8.0	4.0	3.6	0.0	0.0
KLT	-3.1	-5.0	-11.1	42	0.0	0.0	2.0	0.0	1.0
Karachi	14.3	13.0	116.7	46	0.0	2.3	2.3	2.3	5.4
Khanpur	7.1	6.5	76.5	65	0.0	2.4	2.3	0.0	0.9
Khuzdar	8.3	6.5	49.8	35	0.0	0.0	0.7	0.0	1.1
Kotli	4.8	3.4	42.6	67	0.1	1.3	2.3	0.6	0.6
Lahore	7.6	7.1	64.6	62	0.0	1.4	3.0	0.0	1.4
Larkana	9.2	6.5	71.6	53	0.0	2.1	2.8	0.0	0.7
Lasbella	12.0	11.5	95.8	52	0.0	3.3	2.7	1.1	2.3
Lower Dir	1.6	0.0	17.8	71	0.0	1.1	1.9	0.0	10.7
M.B Din	6.0	5.0	65.7	70	0.0	1.3	2.4	0.3	0.3
Malam Jabba	0.5	0.0	-6.3	62	8.0	2.6	2.3	2.6	1.1
Mangla	3.9	2.8	58.6	63	0.0	1.1	2.4	0.6	1.1
Mir Khani	1.2	1.0	10.5	54	7.0	0.6	2.0	0.0	0.0
Moinjodaro	8.0	7.0	59.5	66	0.0	1.5	2.0	0.0	2.3
Multan	8.0	7.0	67.2	66	0.0	2.0	1.6	0.0	1.1
Murree	0.3	-1.5	7.2	42	2.2	1.4	2.6	2.1	1.6
Muzaffarabad	4.5	3.0	30.0	72	6.0	2.7	2.0	0.3	0.6
Nawabshah	6.5	6.0	73.1	57	0.0	2.3	2.0	3.1	3.1

Nokkundi	7.4	4.5	55.3	23	0.1	2.5	1.9	1.7	2.0
Okara	7.9	7.0	69.7	65	0.0	2.1	1.6	0.3	0.3
Padidan	10.4	9.5	79.1	70	0.0	2.0	2.3	1.4	2.6
Panjgur	6.7	5.0	48.5	41	0.0	1.7	2.3	8.0	19.1
Parachinar	-9.6	-10.6	-49.5	50	39.2	3.9	3.7	3.0	3.0
Pasni	14.2	13.5	100.0	72	0.0	2.7	4.0	0.6	4.6
Pattan	7.4	6.0	45.6	36	0.0	0.9	1.7	3.3	7.1
Peshawar	5.8	5.5	47.5	65	0.1	1.0	2.6	0.0	0.6
Quetta	0.7	-3.5	20.2	43	0.2	2.4	14.0	2.0	3.1
Rahim Yar Khan	8.9	7.8	77.6	68	0.0	1.4	1.6	0.0	0.6
Rawalakot	-0.6	-2.4	3.9	59	2.8	1.3	2.3	0.0	1.1
Rawalpindi	4.5	4.0	55.1	70	0.1	0.3	1.7	0.0	0.8
Sahiwal	5.5	5.0	66.9	65	0.0	1.9	1.4	0.0	0.3
Saidu Sharif	4.3	3.5	37.3	64	5.0	1.3	2.3	0.0	0.3
Sialkot	4.9	4.0	48.3	77	0.0	0.0	1.6	0.0	0.3
Sibbi	1.9	1.5	41.4	47	0.0	0.0	0.9	0.0	0.0
Skardu	-9.8	-13.6	-62.2	76	0.0	6.0	5.6	0.0	0.0
Tandojam	10.8	10.0	96.0	61	0.0	0.4	0.7	0.8	1.1
Usta.M	8.6	8.0	83.0	66	0.0	3.4	2.9	0.5	0.6
Zhob	-0.2	-2.0	20.8	38	0.0	1.1	2.0	5.0	5.0

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