

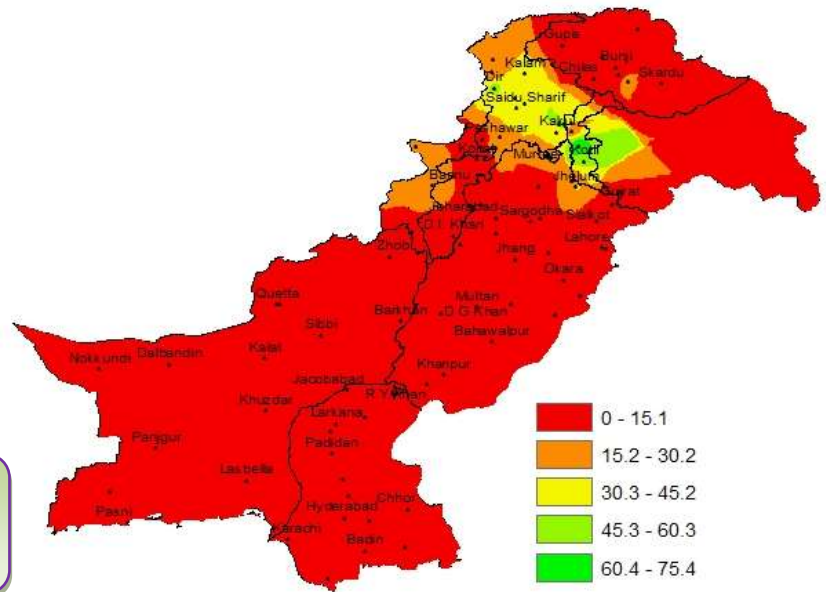
Weekly Weather and Crop Bulletin for Pakistan

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Rainfall Distribution (mm) during the
Previous Week (from 7th to 13th Dec, 2015)



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Highlights of Past Weather (from 7th to 13th Dec, 2015)

Mainly 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 Punjab, Khyber Pakhtunkhwa, and Gilgit-Baltistan & Kashmir regions.
- Light rainfall reported at few place in Balochistan.
- Dry weather was reported in Sindh.

Past Weather of Provinces (from 7th to 13th

Dec, 2015)

Punjab

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 20.9°C & 8.8°C respectively. For the present season average 54.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 73% and wind speed in the morning/evening recorded 0.5/1.2Knots. The highest amount of rainfall reported at Murree 41.mm and lowest minimum temperature recorded -2.5°C at Murree.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 25.7°C & 10.1°C respectively. For the present season average 61.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 56% and wind speed in the morning/evening recorded 2.1/2.3Knots. During the previous week the lowest minimum temperature recorded 0.5°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 15.5°C & 3.7°C respectively. For the present season average 10.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 67% and wind speed in the morning/evening recorded 1.2/1.9Knots. The highest amount of rainfall was reported at Dir 49.0mm and lowest minimum temperature recorded -11.0°C at Kalam.

Balochistan

Light rainfall reported at few place in Balochistan during the week. Weekly maximum and minimum temperatures recorded 20.0°C & 5.8°C respectively. For the present season average 32.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 42% and wind speed in the morning/evening recorded 3.2/5.8Knots. During the previous week highest amount of rainfall reported at Quetta 5.0mm and lowest minimum temperature recorded -12°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 12.3°C & 1.9°C respectively. For the present season average -2.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 68% and wind speed in the morning/evening recorded 1.1/1.3 Knots. During the previous week highest amount of rainfall reported at Rawalakot 75.9mm and lowest minimum temperature recorded -10.0°C at Astore.

Past Weather for Major Agricultural Plains (from 7th to 13th Dec, 2015)

Rawalpindi (Potohar region)

Rainfall reported as 22.0mm during the week; however cloudiness in the morning/evening recorded 3.4/4.3Oktas while, average relative humidity observed 81%. Mean night time temperature recorded 7.9°C & for the present season 61.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.2Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.3/1.9Oktas while, average relative humidity observed as 76%. Mean night time temperature recorded 9.0°C & for the present season 72.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/0.5Knots.

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 83%. Mean night time temperature recorded 8.5°C & for the present season 86.3 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 1.2mm during the week; however cloudiness in the morning/evening recorded 3.7/2.3Oktas while, average relative humidity observed as 41%. Mean night time temperature recorded -1.0°C & for the present season -0.7 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 2.1/1.1Oktas while, average relative humidity observed as 57%. Mean night time temperature recorded 8.9°C & for the present season 80.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/2.3Knots.

Past Weather for Sub-Regional Agricultural Plains (from 7th to 13th Dec, 2015)

Multan

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 2.0/2.9Oktas while, average relative humidity observed as 70%. Mean night time temperature recorded 9.2°C & for the present season 51.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/0.6Knots.

Lahore

Rainfall reported as 6.0mm during the week; however cloudiness in the morning/evening recorded 3.1/1.7Oktas while, average relative humidity observed as 68%. Mean night time temperature recorded 11.0°C & for the present season 57.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/1.4Knots.

Zhob

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.7/2.0Oktas while, average relative humidity observed as 41%. Mean night time temperature recorded 1.4°C & for the present season -2.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.9/7.0 Knots.

D.I. Khan

Rainfall reported as 2.5mm during the week; however cloudiness in the morning/evening recorded 2.3/1.7Oktas while, average relative humidity observed as 73%. Mean night time temperature recorded 6.4°C & for the present season 34.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.6Knots.

Peshawar

Rainfall reported as 8.1mm during the week; however cloudiness in the morning/evening recorded 2.7/3.7Oktas while, average relative humidity observed as 75%. Mean night time temperature recorded 7.0°C & for the present season 40.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.6Knots.

Murree

Rainfall reported as 41.1mm during the week; however cloudiness in the morning/evening recorded 3.4/4.9Oktas while, average relative humidity observed as 66%. Mean night time temperature recorded 2.2°C & for the present season -4.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 2.0/1.7Knots.

Kalam

Rainfall reported as 41.0mm during the week; however cloudiness in the morning/evening recorded 5.0/4.4Oktas while, average relative humidity observed as 64%. Mean night time temperature recorded -2.6°C & for the present season -36.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 0.0/0.9Knots.

Gilgit

Rainfall reported as 1.9mm during the week; however cloudiness in the morning/evening recorded 5.4/6.0Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded 0.8°C & for the present season -12.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.0Knots.

Skardu

Rainfall reported as 2.0mm during the week; however cloudiness in the morning/evening recorded 6.4/5.7Oktas while, average relative humidity observed as 70%. Mean night time temperature recorded -1.6°C & for the present season -30.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.4Knots.

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: Good condition at *Third leaf* stage Completed.

Lower Sindh (Tandojam)

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

Wheat: Good condition at *Emergence* stage.

Northern Balochistan (Quetta)

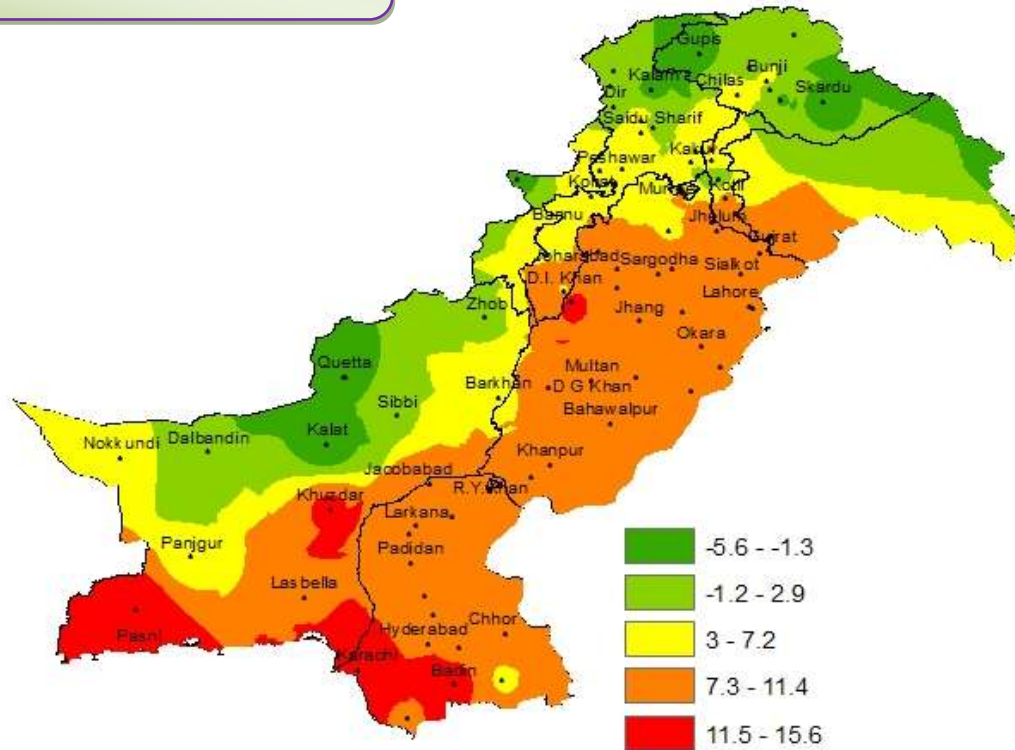
There is presently no crop grown in the fields of RAMC Quetta.

Eastern Balochistan (Usta Muhammad)

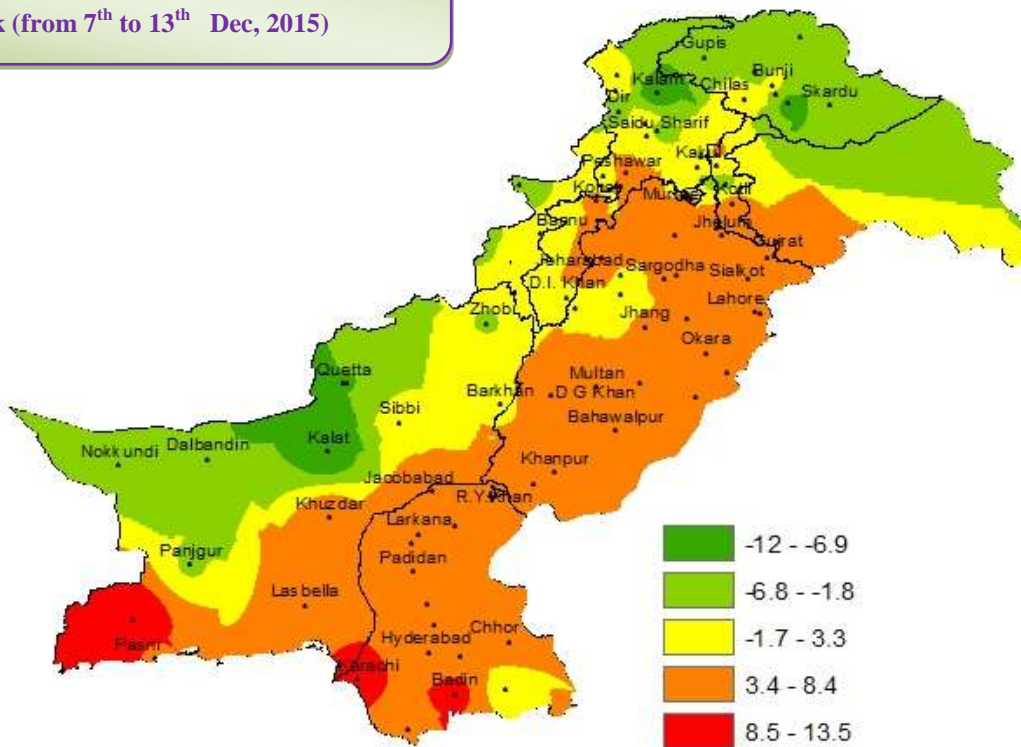
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Wheat: Good condition at *Germination* stage.

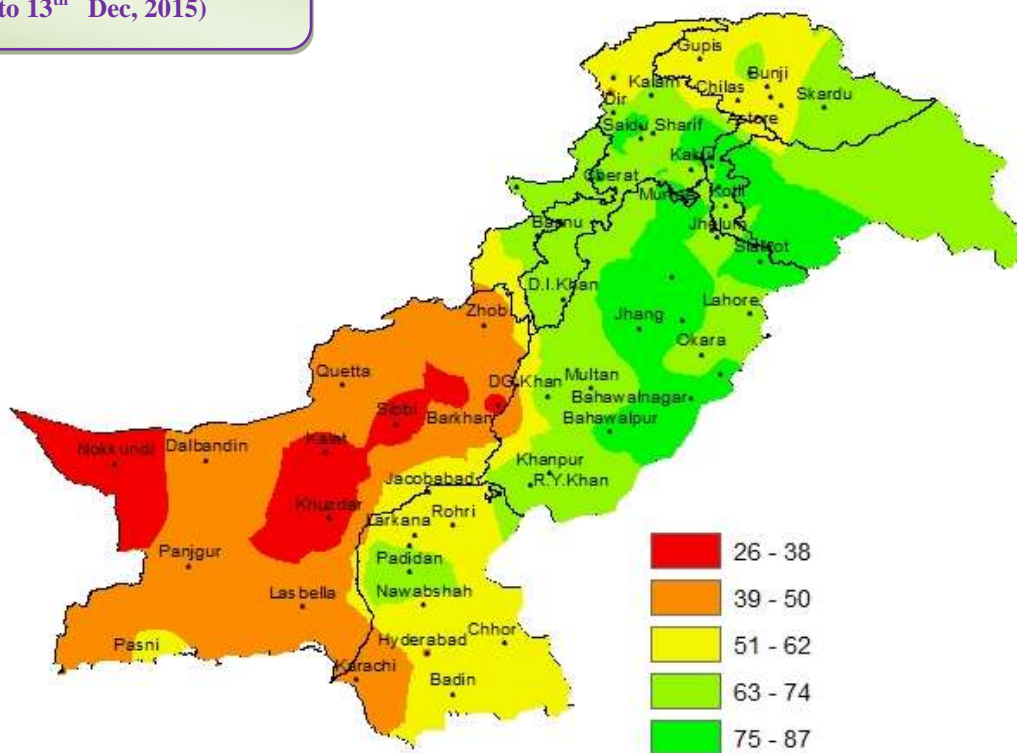
Mean Minimum Temperature (°C) during the Previous week (from 7th to 13th Dec, 2015)



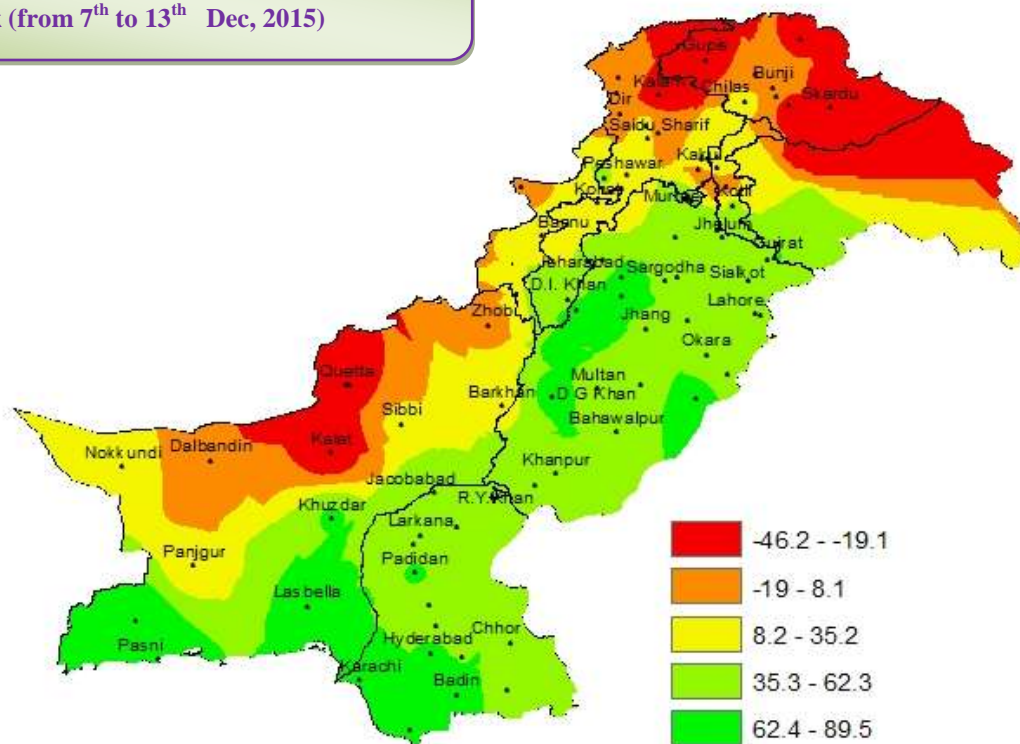
Lowest Minimum Temperature (°C) during the Previous week (from 7th to 13th Dec, 2015)



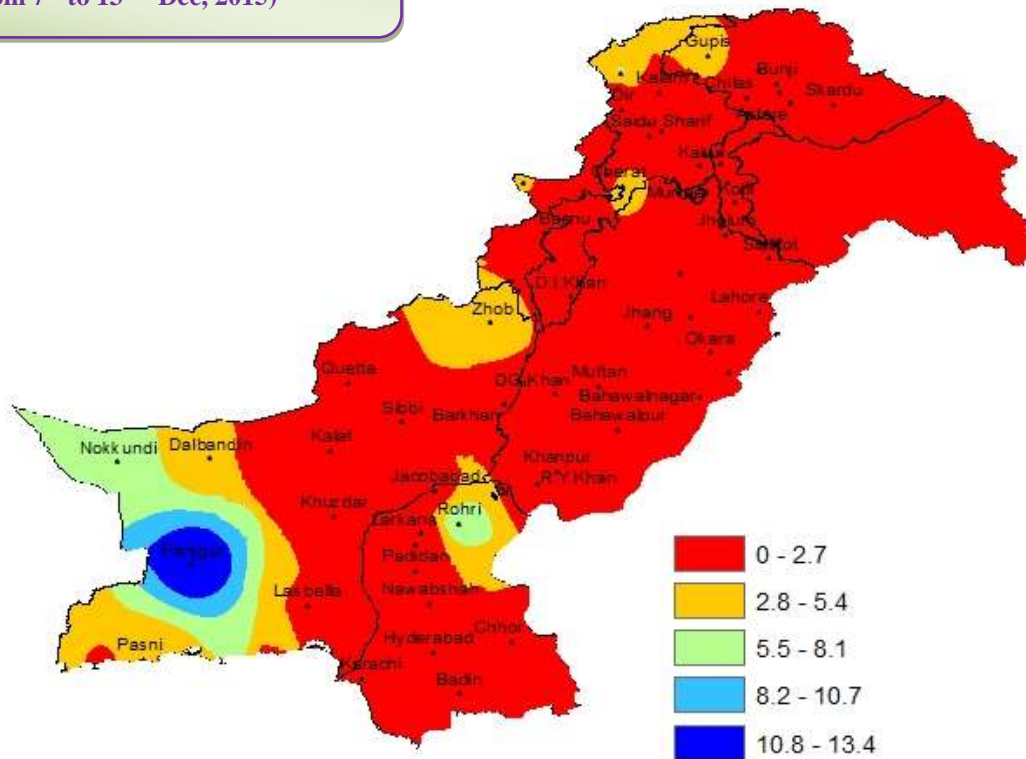
Mean Relative Humidity (%) during the Previous week (from 7th to 13th Dec, 2015)



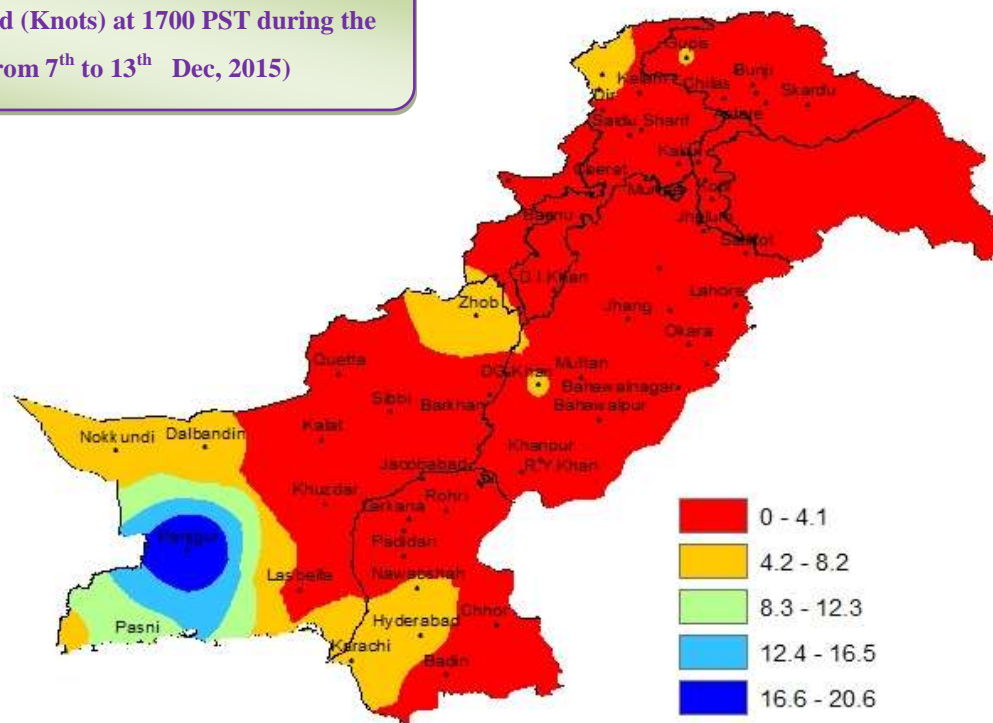
Total Growing Degree Days accumulated during the Previous week (from 7th to 13th Dec, 2015)



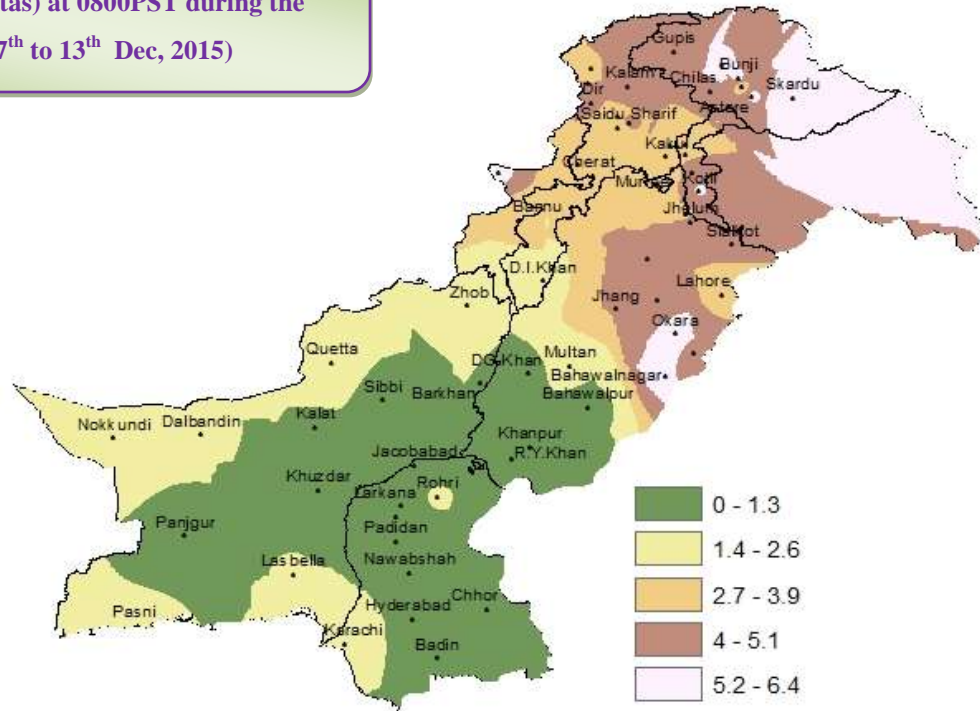
Mean Wind Speed (Knots) at 0800 PST during the Previous week (from 7th to 13th Dec, 2015)



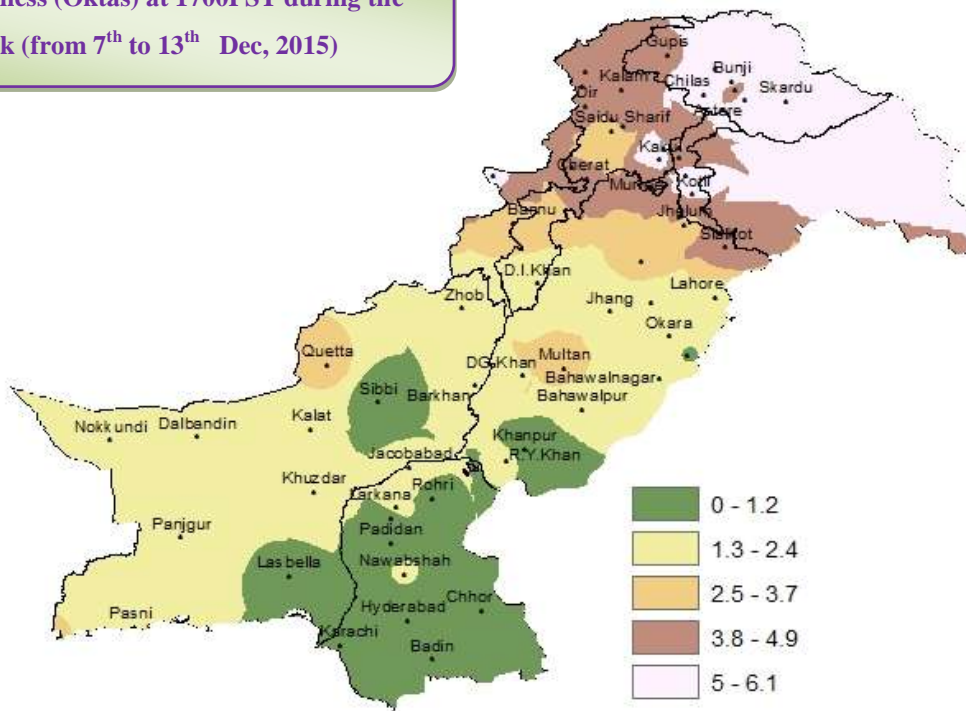
Mean Wind Speed (Knots) at 1700 PST during the Previous week (from 7th to 13th Dec, 2015)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 7th to 13th Dec, 2015)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (from 7th to 13th Dec, 2015)



Weekly Weather Advisory for Farmers**(From 14th to 20th December, 2015)**

A shallow westerly wave is likely to affect northern areas of the country on Tuesday (night) and likely to affect during 24 hours. Continental air would prevail over most parts of the country during next period of time.

MONDAY**14-12-2015**

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

TUESDAY**15-12-2015**

Mainly cold and dry weather is expected in most parts of the country. However, light rain (snowfall over the hills) is expected at a few places in Malakand division, upper FATA and Gilgit-Baltistan during night. Foggy conditions are likely to prevail over plain areas of Punjab, Peshawar and Sukkur divisions during night and morning hours.

WEDNESDAY**16-12-2015**

Mainly cold and dry weather is expected in most parts of the country. However, light rain (snowfall over the hills) is expected at a few places in Malakand division, upper FATA and Gilgit-Baltistan. Foggy conditions are likely to prevail over plain areas of Punjab, Peshawar and Sukkur divisions during late night and morning hours.

THURSDAY**17-12-2015**

Mainly cold and dry weather is expected in most parts of the country. Foggy conditions are likely to prevail over plain areas of Punjab, Peshawar and Sukkur divisions during late night and morning hours.

FRIDAY**18-12-2015**

Mainly cold and dry weather is expected in most parts of the country. Foggy conditions are likely to prevail over plain areas of Punjab, Peshawar and Sukkur divisions during late night and morning hours.

SATURDAY**19-12-2015**

Mainly cold and dry weather is expected in most parts of the country. However, light rain (snowfall over the hills) may occur at a few places in Malakand division and Gilgit-Baltistan. Foggy conditions are likely to prevail over plain areas of Punjab, Peshawar and Sukkur divisions during late night and morning hours.

SUNDAY**20-12-2015**

Mainly cold and dry weather is expected in most parts of the country. Foggy conditions are likely to prevail over plain areas of Punjab, Peshawar and Sukkur divisions during late night and morning hours.

ADVISES FOR CROPS

- ❖ Farmers of rainfed areas obtaining water through tube wells and irrigated areas in upper parts are advised to schedule the irrigation according to the expected weather mentioned during the decade.
- ❖ Farmers are advised to complete sowing of late wheat varieties as soon as possible.
- ❖ Farmers are advised not to burn the remaining of sugarcane and other Kharif crops after harvesting. Suitable management should be done in this regard.
- ❖ Leaves are falling nowadays from the trees standing beside wheat and other rabi crops. Farmers are advised to collect the dead leaves in time to promote normal growth of the crops.

National Weather Data of Selected Cities**(Weekly Data from 7th to 13th Dec, 2015)**

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	-2.1	-10.0	-36.0	60	17.5	5.4	6.1	1.7	1.1
Badin	13.5	10.0	79.3	58	0.0	0.0	0.6	0.9	2.3
Bahawalnagar	9.6	6.5	73.4	78	0.0	5.1	2.1	0.0	0.6
Bahawalpur	8.4	5.4	59.5	76	0.0	0.6	1.3	0.0	0.0
Balakot	4.8	1.2	18.6	77	46.0	3.9	5.4	0.0	0.3
Bannu	4.2	0.0	20.3	63	27.2	2.6	3.1	0.0	0.3
Barkhan	5.9	2.5	25.5	36	0.0	1.3	2.1	0.9	1.1
Bunji	4.4	0.0	7.8	54	9.5	5.7	6.0	0.9	0.9
Cherat	6.2	3.5	18.3	64	20.0	3.6	3.9	4.3	4.0
Chhor	9.5	6.2	60.9	58	0.0	0.7	1.0	0.9	2.0
Chilas	4.8	1.5	14.0	50	3.0	4.9	5.7	0.0	1.7
Chitral	1.9	-0.5	-5.5	63	16.8	3.7	4.4	5.7	6.3
D.I.Khan	6.4	3.0	34.5	73	2.5	2.3	1.7	0.6	0.6
Dalbandin	-0.6	-6.5	-12.8	46	0.0	1.6	1.7	2.9	4.9
DG.Khan	10.5	7.3	72.0	67	0.0	1.0	2.4	0.9	4.6
Dir	0.2	-4.5	-14.5	73	49.0	4.1	4.6	0.0	1.1
Drosh	2.5	-1.0	-0.1	48	17.0	3.9	4.9	1.7	6.7
Faisalabad	9.0	3.5	72.7	76	0.0	2.3	1.9	0.5	0.5
Garidopatta	4.3	0.5	17.8	72	16.0	3.7	4.0	0.6	0.6
Gawader	12.9	10.0	75.3	44	0.0	1.6	1.4	2.3	8.3
Gilgit	0.8	-5.0	-12.8	67	1.9	5.4	6.0	0.3	0.0
Gupis	-2.9	-4.0	-39.5	54	0.0	4.0	4.6	4.0	4.3

Hyderabad	11.4	7.0	68.7	50	0.0	1.0	0.6	2.6	5.7
Islamabad	6.1	3.0	39.4	82	25.9	3.0	3.9	0.0	0.9
Jacobabad	9.6	5.0	52.0	54	0.0	0.4	1.7	1.1	0.0
Jhang	7.9	3.5	57.9	77	0.0	3.9	2.1	1.1	0.3
Jhelum	8.9	7.0	56.1	71	31.4	5.0	3.1	0.3	0.9
Jiwani	15.3	8.5	89.5	44	0.0	2.0	2.9	4.0	7.4
Kakul	3.0	-0.5	6.1	71	41.2	3.3	5.1	0.0	0.0
Kalam	-2.6	-11.0	-36.8	64	41.0	5.0	4.4	0.0	0.9
Kalat	-5.6	-12.0	-46.3	36	0.0	1.1	1.9	0.3	3.1
Karachi	14.2	9.5	85.8	39	0.0	2.4	1.1	2.3	5.1
Khanpur	7.3	3.6	57.5	62	0.0	0.0	0.4	0.0	1.1
Khuzdar	12.7	7.0	66.3	33	0.0	0.0	1.7	0.0	1.4
Kotli	7.9	5.4	39.2	73	50.0	5.3	5.0	1.1	0.0
Lahore	11.0	7.5	57.8	68	6.0	3.1	1.7	0.9	1.4
Larkana	10.7	8.0	54.5	57	0.0	0.6	1.7	0.4	2.3
Lasbella	10.9	6.0	71.3	40	0.0	1.4	1.0	2.3	4.0
Lower Dir	4.2	3.0	13.5	78	33.0	3.3	3.9	0.0	2.0
M.B Din	9.3	5.8	47.2	78	3.3	4.4	2.7	0.3	0.9
Malam Jabba	0.7	-5.0	-18.8	68	35.0	4.3	4.1	2.3	0.0
Mangla	8.7	7.2	45.8	75	16.8	3.1	3.9	0.9	1.4
Mir Khani	1.6	-2.0	-5.5	58	13.0	2.7	3.6	0.4	2.6
Moinjodaro	8.3	5.5	36.0	62	0.0	0.8	0.7	0.0	1.4
Multan	9.2	5.5	51.0	70	0.1	2.0	2.9	1.1	0.6
Murree	2.2	-2.5	-4.8	66	41.1	3.4	4.9	2.0	1.7
Muzaffarabad	5.6	2.6	22.3	80	50.0	3.3	4.0	0.3	0.0
Nawabshah	9.1	7.5	55.5	60	0.0	0.7	1.3	1.7	4.7

Nokkundi	4.6	-2.0	20.5	26	0.0	2.4	1.4	6.0	6.6
Okara	10.2	4.5	55.6	69	0.0	5.4	1.7	1.7	0.6
Padidan	9.8	6.0	66.3	69	0.0	0.4	1.1	1.4	2.0
Panjgur	3.4	-2.5	12.0	39	0.0	0.6	1.6	13.4	20.6
Parachinar	-3.5	-5.4	-5.7	64	28.6	5.5	5.2	2.8	3.3
Pasni	13.0	7.5	74.8	53	0.0	1.4	1.6	3.4	11.7
Pattan	8.0	4.5	39.0	87	30.0	3.1	3.6	2.9	3.7
Peshawar	7.0	2.0	40.7	75	8.1	2.7	3.7	0.3	0.6
Quetta	-1.0	-7.0	-0.7	41	1.2	3.7	2.3	2.0	3.1
R.Y.Khan	9.2	5.3	53.6	71	0.0	0.5	1.6	0.0	0.9
Rawalakot	1.0	-3.5	-7.0	78	75.9	4.6	5.4	0.6	0.9
Rawalpindi	7.9	4.5	61.0	79	22.0	3.4	4.3	0.0	0.2
Sahiwal	9.2	4.0	47.1	77	0.0	5.0	1.1	0.0	0.6
Saidu Sharif	5.0	1.5	20.8	74	36.5	2.9	2.3	0.0	0.0
Sialkot	9.9	6.6	50.1	81	8.0	4.0	4.9	0.0	0.3
Sibbi	2.4	1.0	17.5	35	0.0	0.6	0.0	2.0	2.3
Skardu	-1.6	-5.3	-30.8	70	2.0	6.4	5.7	0.0	1.4
Tandojam	8.5	4.5	86.3	83	0.0	0.0	0.0	0.8	1.1
Usta.M	8.9	5.5	80.0	57	0.0	2.1	1.1	0.6	2.3
Zhob	1.4	-2.0	-2.0	41	0.0	1.7	2.0	4.9	7.0

*** Shows that data was not available.