

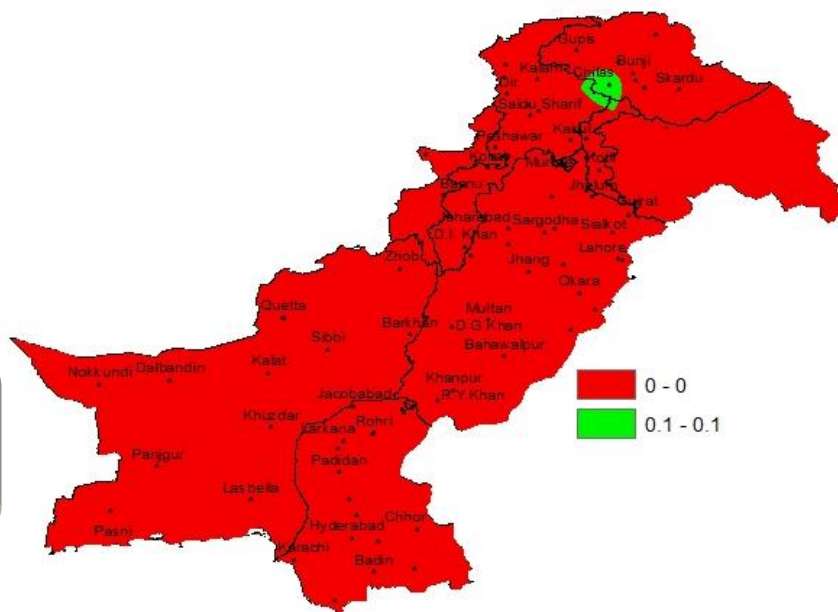
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the
Previous Week (From 8th to 14th December, 2014)**



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Chief Editor: Dr. Khalid Mahmood Malik (Director)
Editor: Khalida Noureen (Meteorologist)

Highlights of Past Weather (From 8th to 14th December, 2014)

Mainly normal day time temperature was reported from most parts of the country during the week. Province wise distribution of rainfall reported as follows:

- Dry weather was reported in Punjab, Khyber Pakhtunkhwa, Sindh and Balochistan
- Light rainfall reported at single station (Chilas=0.1mm) in Gilgit-Baltistan,

Past Weather of Provinces (From 8th to 14th December , 2014)

Punjab

Dry weather was reported in Punjab during the week. Weekly maximum and minimum temperatures recorded 22.8°C & 5.3°C respectively. For the present season average 87.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 65% and wind speed in the morning/evening 0.3/0.6Knots. During the previous week lowest minimum temperature was recorded -2.0°C at Murree.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 26.2°C & 8.9°C respectively. For the present season average 114.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 51% and wind speed in the morning/evening recorded 0.7/2.3Knots. During the previous week lowest minimum temperature was recorded 3.5°C at Mithi.

Khyber Pakhtunkhwa

Dry weather was reported in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 16.8°C & 1.4°C respectively. For the present season average 46.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 52% and wind speed in the morning/evening recorded 1.3/3.0.Knots. During the previous week lowest minimum temperature recorded -5.0°C at Kalam.

Balochistan

Dry weather was reported in Balochistan during the week. Weekly maximum and minimum

temperatures recorded 21.0°C & 3.8°C respectively. For the present season average 74.8 growing degree days accumulated by the end of last week. Average relative humidity recorded 38% and wind speed in the morning/evening recorded 2.0/5.9Knots. During the previous week lowest minimum temperature recorded -7.5°C at Kalat.

Gilgit-Baltistan and Azad Jammu & Kashmir

Rainfall reported only at single station (Chilas=0.1mm) in Gilgit-Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 13.1°C & -0.4°C respectively. For the present season average 30.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 51% and wind speed in the morning/evening recorded 0.7/2.3Knots. During the previous week lowest minimum recorded -6.5°C at Astore.

**Past Weather for Major Agricultural Plains
(From 8th to 14th December, 2014)****Rawalpindi (Potohar region)**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.1/1.7Oktas while, average relative humidity observed 62%. Mean night time temperature recorded 4.3°C &for the present season 48.1growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.4/0.6Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.1/0.9Oktas while average relative humidity observed as 54%. Mean night time temperature recorded 5.1°C &for the present season 54 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.2/0.2Knots.

Quetta (Northern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.6/1.3Oktas while, average relative humidity observed as 32%. Mean night time temperature recorded -2.4°C for the present season -1.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/0.7Knots.

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 55%. Mean night time temperature recorded 6.3°C&for the present season 74.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.0Knots.

Tandojam (Lower Singh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.0 Oktas while average relative humidity observed as 50%. Mean night time temperature recorded 14.1°C &for the present season 85.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 0.6/1.2Knots.

**Past Weather for Sub-Regional Agricultural
Plains (From 8th to 14th December, 2014)****Multan**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.8/1.7Oktas while, average relative humidity observed as 64%. Mean night time temperature recorded 6.7°C&for the present season 94.5growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.6Knots.

Rohri

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.5/0.0Oktas while, average relative humidity observed as 49%. Mean night time temperature recorded 10.3°C&for the present season 109.3growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.9Knots.

Lahore

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.3/2.9Oktas while, average relative humidity observed as 59%. Mean night time temperature recorded 7.7°C&for the present season 92.7growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/1.7Knots.

Zhob

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.3/2.0Oktas while, average relative humidity observed as 33%. Mean night time temperature recorded 0.0°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 5.0/5.0Knots.

D.I. Khan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.7/1.3Oktas while, average relative humidity observed as 57%. Mean night time temperature recorded 2.9°C & for the present season 84.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/1.1Knots.

Peshawar

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.0/2.0Oktas while, average relative humidity observed as 60%. Mean night time temperature recorded 3.0°C & for the present season 4.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.3Knots.

Murree

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.2/3.1Oktas while, average relative humidity observed as 49%. Mean night time temperature recorded -0.1°C & for the present season 28.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.2/0.9Knots.

Kalam

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.7/3.3Oktas while, average relative humidity observed as 62%. Mean night time temperature recorded -3.1°C & for the present season 21.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.0Knots.

Gilgit

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 6.5/6.3Oktas while, average relative humidity observed as 63%. Mean night time temperature recorded -2.8°C & for the present season 63 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 1.0/0.0Knots.

Skardu

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 6.2/5.9Oktas while, average relative humidity observed as 60%. Mean night time temperature recorded -4.1°C of last week. Wind speed recorded in the morning/evening 0.0/0.6 Knots.

Crop Situation for Major Agricultural Plains
(Based on Data from Regional Agromet Centers)**Potohar Region (Rawalpindi)**

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

Maize: Good condition at *Third Leaf* stage.

Central Punjab (Faisalabad)

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

Wheat: Good condition at *Third Leaf* completed.

Lower Sindh (Tandojam)

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

Wheat: Good condition at *Third Leaf*.

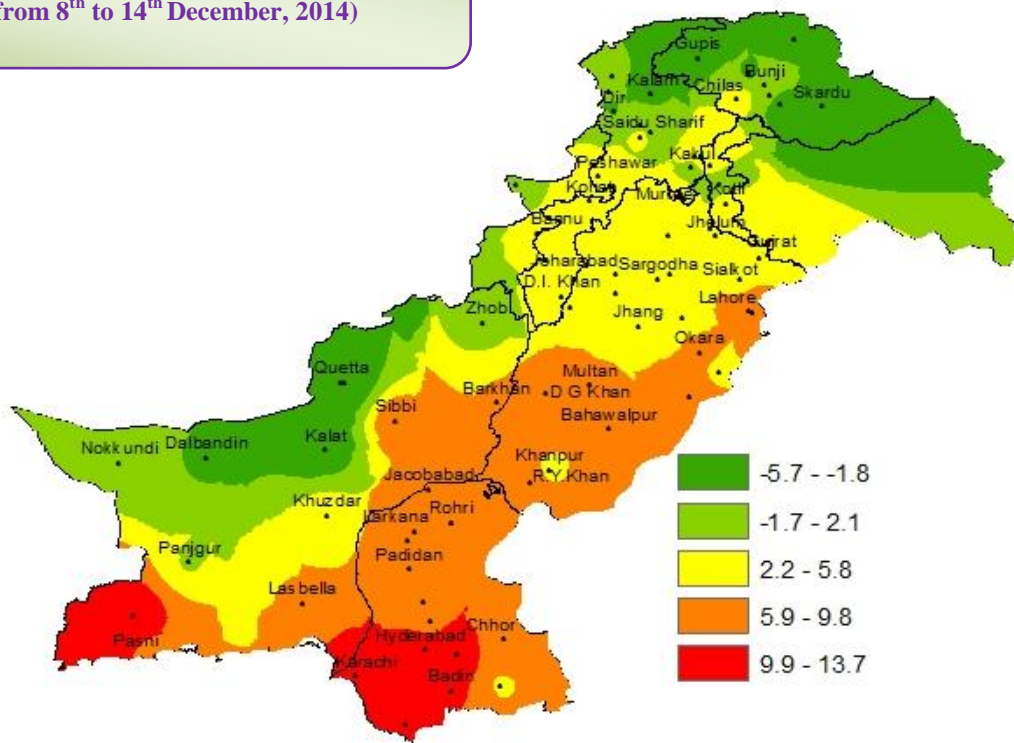
Northern Balochistan (Quetta)

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

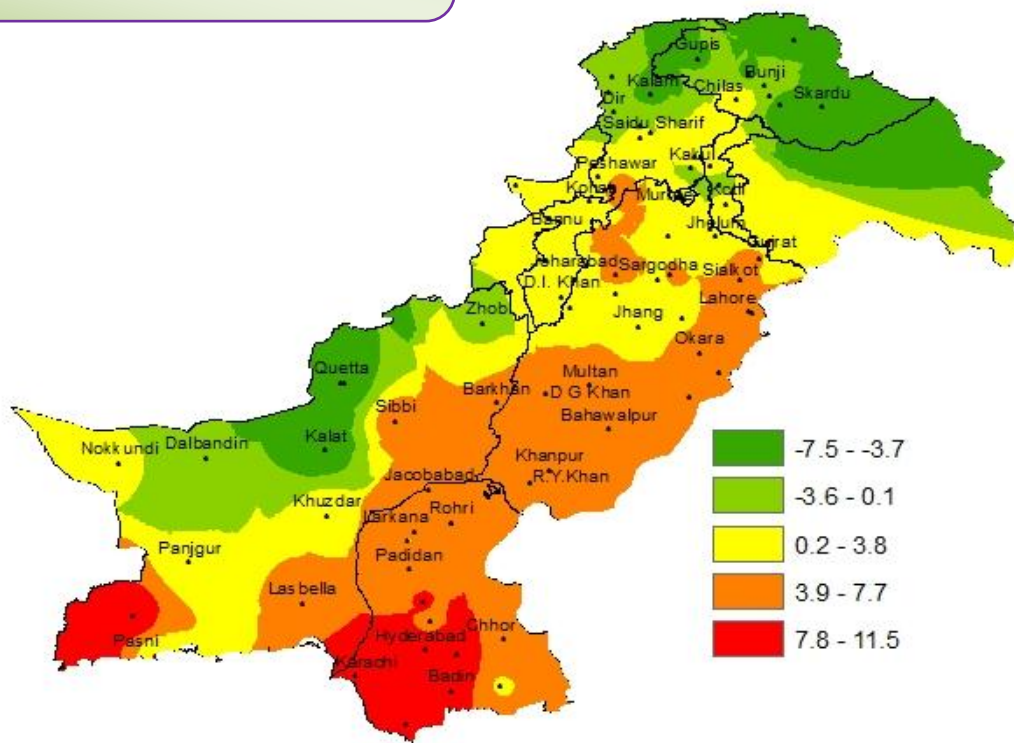
Eastern Balochistan (Usta Muhammad)

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

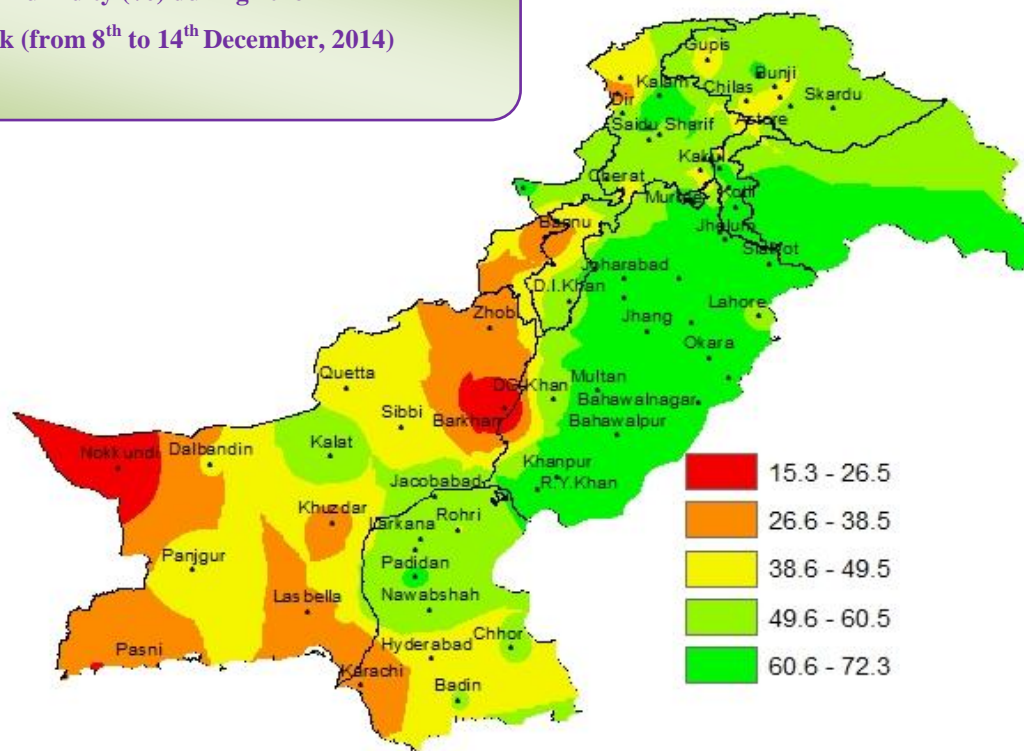
Mean Minimum Temperature (°C) during the Previous week (from 8th to 14th December, 2014)



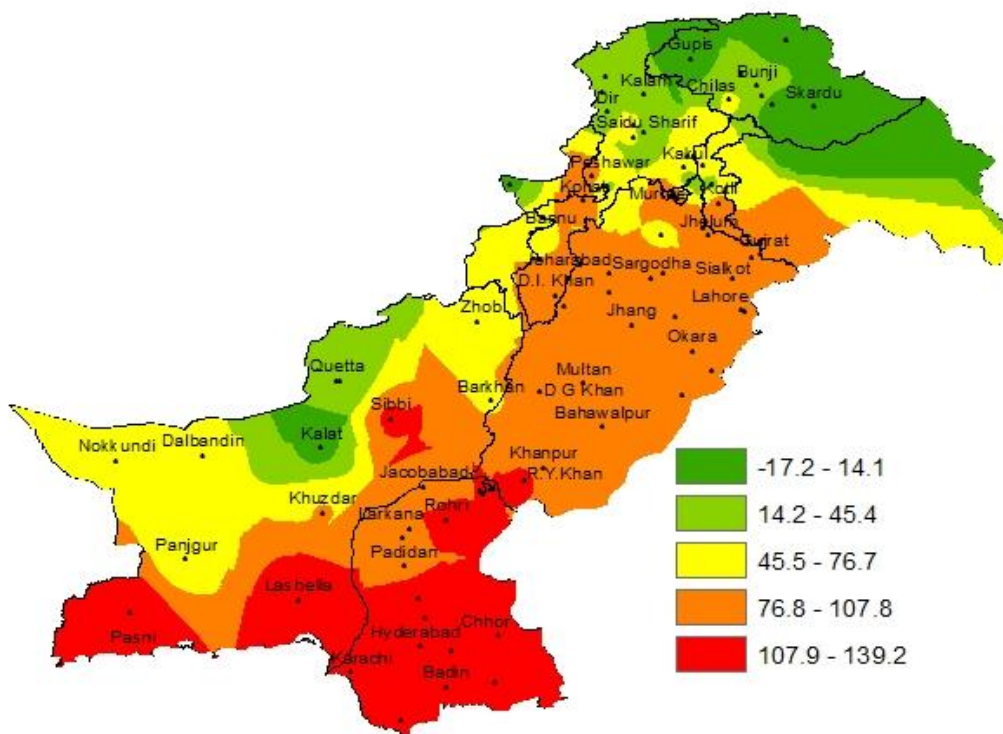
Lowest Minimum Temperature (°C) during the Previous week (from 8th to 14th December, 2014)



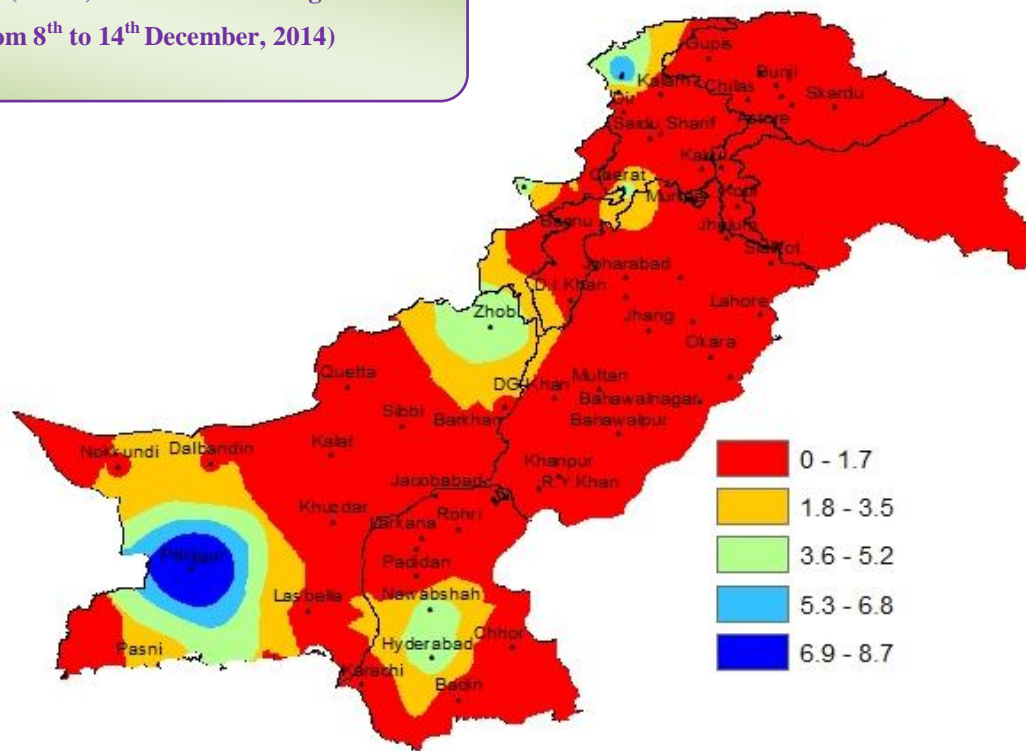
Mean Relative Humidity (%) during the Previous week (from 8th to 14th December, 2014)



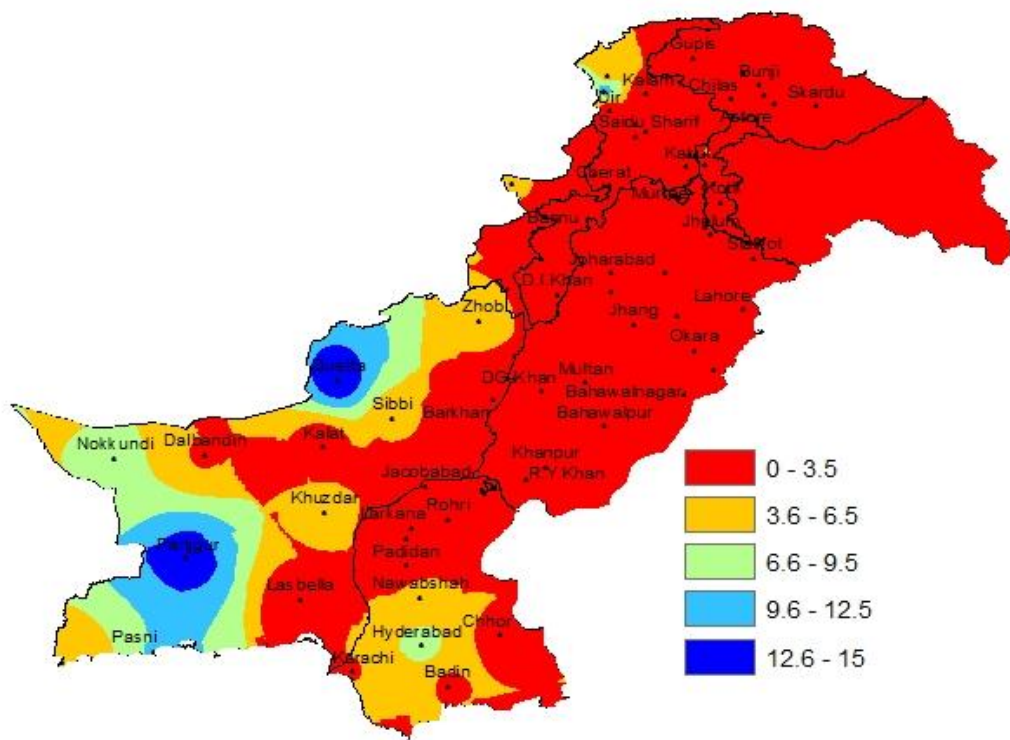
Total Growing Degree Days accumulated during the Previous week (from 8th to 14th December, 2014)



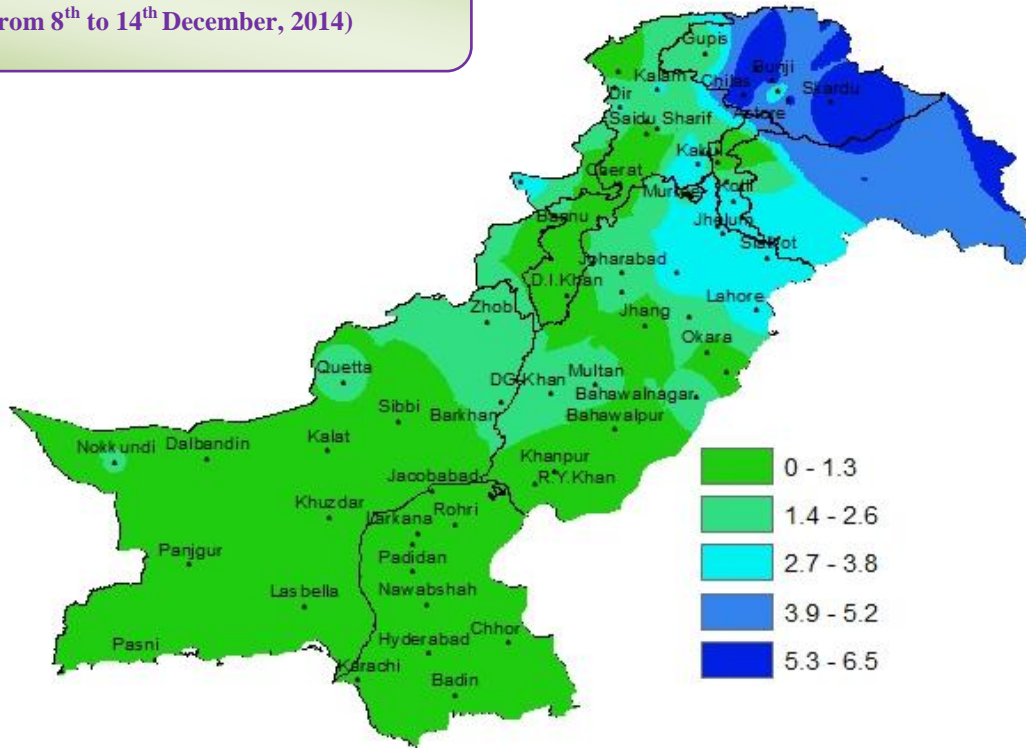
Mean Wind Speed (Knots) at 0800 PST during the Previous week (from 8th to 14th December, 2014)



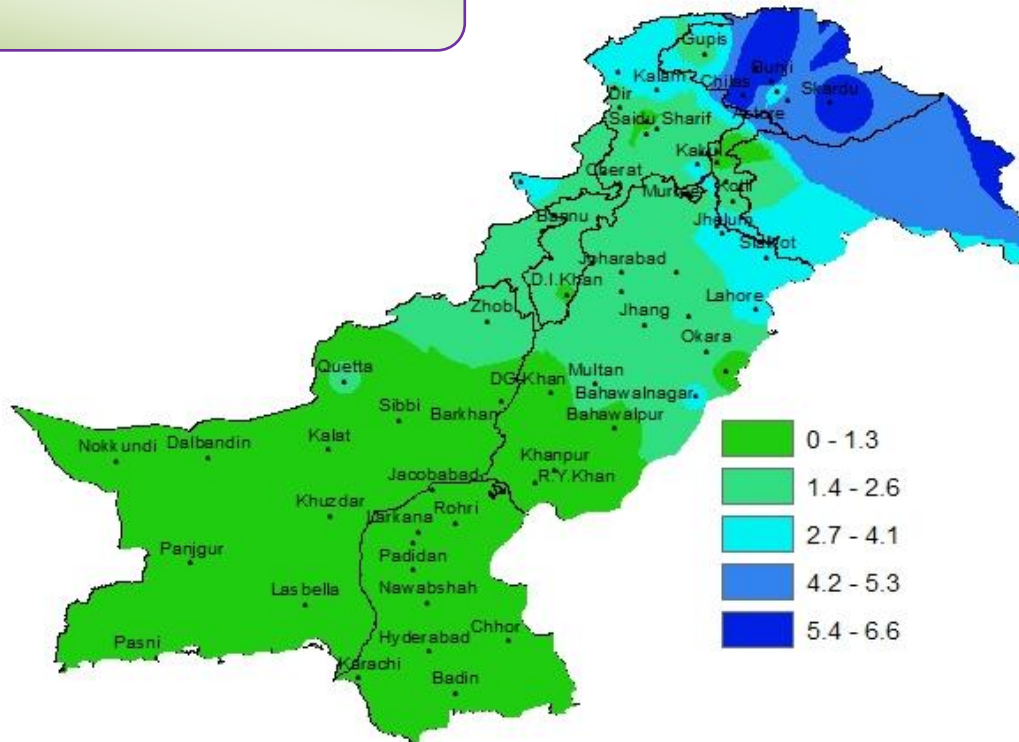
Mean Wind Speed (Knots) at 1700 PST during the Previous week (from 8th to 14th December, 2014)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 8th to 14th December, 2014)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (from 8th to 14th December, 2014)



Weekly Weather Advisory for Farmers
(From 15th to 21st December ,2014)

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

MONDAY

15-12-2014

Very cold and dry weather is expected in most parts of the country.

TUESDAY

16-12-2014

Very cold and dry weather is expected in most parts of the country. Foggy conditions are expected to prevail over the plains of Punjab, Khyber Pakhtunkhwa and upper Sindh during morning hours.

WEDNESDAY

17-12-2014

Very cold and dry weather is expected in most parts of the country. Foggy conditions are expected to prevail over the plains of Punjab, Khyber Pakhtunkhwa and upper Sindh during morning hours.

THURSDAY

18-12-2014

Cold and dry weather is expected in most parts of the country. Foggy conditions are expected to prevail over the plains of Punjab, Khyber

Pakhtunkhwa and upper Sindh during morning hours.

FRIDAY

19-12-2014

Mainly cold and dry weather is expected in the country. However, light rain (light snowfall over the hills) is expected at a few places in Malakand division and Gilgit-Baltistan.

SATURDAY

20-12-2014

Mainly cold and dry weather is expected in the country. However, light rain (light snowfall over the hills) is expected at a few places in Malakand division and Gilgit-Baltistan.

SUNDAY

21-12-2014

Cold and dry weather is expected in most parts of the country.

.Advises for Crops

- Farmers of irrigated areas are advised to irrigate wheat crop due to expected dry weather. 2nd irrigation should be given after 20 – 24 days after first irrigation.
- Farmers should take in time precautionary measures to protect orchards and other sensitive standing crops from frost especially in plain areas.

National Weather Data of Selected Cities**(Weekly Data From 8th to 14th December, 2014)**

Stations	Minimum/Night time Temperature (°C)		Growing Deg. Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Oktas) 0800PST	Cloudiness (Oktas) 1700PST	Wind Speed (Knots) 0800PST	Wind Speed (Knots) 1700PST
	Mean	Lowest							
Astore	-4.1	-6.5	-15.6	58	0	5.5	5.3	1.0	2.0
Badin	10.3	9.0	118.8	50	0	0.0	0.3	1.0	3.1
Bahawalnagar	8.4	6.5	103.8	61	0	1.7	2.9	0.3	0.0
Bahawalpur	6.6	5.4	100.2	68	0	0.3	1.0	0.0	0.3
Balakot	2.2	0.6	65.0	58	0	2.3	1.6	0.0	0.0
Bannu	2.6	1.5	69.6	31	0	0.8	1.4	0.0	2.0
Barkhan	6.1	4.5	73.8	15	0	1.8	0.9	1.7	0.9
Bunji	1.3	0.0	29.5	49	0	6.0	6.7	0.0	0.3
Cherat	5.6	5.0	42.0	46	0	1.2	1.4	4.0	2.6
Chhor	6.8	5.0	131.3	50	0	0.0	0.0	0.0	2.6
Chilas	3.9	3.0	47.8	48	0.1	5.5	5.6	0.0	2.0
Chitral	-1.4	-2.5	30.4	45	0	0.0	3.0	7.0	5.1
DG.Khan	8.4	6.5	100.9	59	0	1.3	1.1	1.3	1.4
D.I.Khan	2.9	1.0	84.2	57	0	0.7	1.3	1.7	1.1
Dalbandin	-2.5	-3.0	53.1	39	0	0.0	0.4	1.7	3.1
Dir	-1.9	-2.5	36.0	55	0	2.7	2.4	0.0	0.9
Drosh	-1.8	-2.2	26.5	26	0	2.2	2.6	1.7	11.0
Faisalabad	5.1	3.5	63.0	54	0	1.1	0.9	0.2	0.2
Garidopatta	4.4	4.0	75.6	71	0	0.0	0.6	0.0	0.0
Gawader	11.1	10.5	134.4	25	0	0.0	0.0	0.8	5.6
Gilgit	-2.8	-5.0	21.3	63	0	6.5	6.3	1.0	0.0

Gupis	-3.8	-4.0	-4.7	48	0	1.8	2.3	1.0	0.6
Hyderabad	11.9	9.0	117.8	39	0	0.3	0.0	4.0	7.4
Islamabad	3.4	1.5	80.4	70	0	2.5	1.4	0.0	0.3
Jacobabad	6.3	4.5	103.0	54	0	0.0	0.0	0.0	0.3
Jhang	3.4	2.9	92.5	68	0	0.3	1.4	0.0	0.0
Jhelum	3.8	2.8	86.1	68	0	3.5	3.1	0.0	0.6
Jiwani	12.8	11.0	124.4	37	0	0.0	0.0	1.0	6.3
Joharabad	4.8	4.5	90.0	67	0	2.0	2.0	0.0	0.0
Kakul	1.9	0.0	50.5	48	0	2.8	2.9	0.3	0.9
Kalam	-3.1	-5.0	21.7	62	0	2.7	3.3	0.0	0.0
Kalat	-5.6	-7.5	4.0	59	0	0.0	0.0	1.3	0.9
Karachi	12.1	10.5	134.8	29	0	0.3	0.6	0.7	3.4
Khanpur	5.3	4.0	96.8	68	0	1.0	0.1	0.0	0.6
Khuzdar	4.0	3.0	77.7	36	0	0.0	0.0	0.7	5.1
Kotli	4.0	3.5	84.9	64	0	2.8	2.4	0.3	0.6
Lahore	7.7	6.3	92.7	59	0	3.3	2.9	0.7	1.7
Larkana	8.1	6.5	107.3	57	0	0.3	0.0	0.0	0.6
Lasbella	6.3	5.0	137.3	38	0	0.0	0.0	1.7	1.1
Lower Dir	0.9	-1.0	54.3	66	0	1.7	0.9	1.0	1.7
Malam Jabba	0.4	0.0	13.8	59	0	1.7	1.6	0.0	0.0
M.B Din	5.6	4.0	80.2	69	0	3.3	1.9	0.3	0.6
Mangla	3.5	1.7	81.6	60	0	3.3	2.7	0.0	0.0
Mir Khani	-0.6	-2.0	44.8	43	0	1.8	2.1	0.5	15.0
Moinjodaro	6.6	3.6	103.6	57	0	0.3	0.0	0.7	2.0
Multan	6.7	5.2	94.5	64	0	1.8	1.7	0.0	0.6
Murree	-0.1	-2.0	28.1	44	0	3.2	3.1	1.2	0.9

Muzaffarabad	2.8	1.4	72.5	66	0	3.3	3.0	0.3	0.0
Nokkundi	2.1	0.6	68.0	15	0	1.3	0.6	1.7	6.9
Noorpurthal	4.0	3.0	92.7	71	0	1.5	2.1	0.0	0.3
Okara	6.7	5.0	99.5	71	0	1.2	2.6	0.3	1.4
Padidan	7.9	6.0	103.7	62	0	0.0	0.0	0.3	2.0
Panjgur	1.8	0.5	47.9	42	0	0.0	0.0	8.7	14.0
Parachinar	0.5	0.2	8.3	63	0	3.5	3.7	3.7	4.1
Pasni	8.1	1.0	116.3	38	0	0.0	0.0	3.0	9.7
Peshawar	3.0	1.0	84.8	60	0	1.0	2.0	0.0	0.3
Quetta	-2.4	-5.2	***	32	0	1.6	1.3	0.9	0.7
R.Y.Khan	7.4	6.2	111.5	63	0	1.0	0.0	0.0	1.3
Rawalakot	-1.3	-3.0	38.8	61	0	2.5	2.4	0.0	0.6
Rohri	10.3	8.0	109.3	49	0	0.5	0.0	0.0	0.9
Rawalpindi	4.3	2.8	48.1	62	0	1.1	1.7	0.4	0.6
Sahiwal	5.0	4.2	88.7	67	0	0.8	0.3	0.7	0.9
Saidu Sharif	3.1	2.5	50.6	53	0	0.0	1.4	0.0	0.0
Sialkot	5.6	4.4	81.1	72	0	2.8	3.1	0.0	0.3
Sibbi	9.8	7.0	115.4	42	0	0.0	0.6	0.3	4.4
Skardu	-4.1	-5.6	***	60	0	6.2	5.9	0.0	0.6
Tandojam	14.1	5.0	85.5	50	0	0.0	0.0	0.6	1.2
Usta.M	6.3	5.0	74.8	55	0	0.4	0.0	0.0	0.0
Zhob	0.0	-1.0	57.8	33	0	2.3	2.0	5.0	5.0

*** Shows that data was not available.