

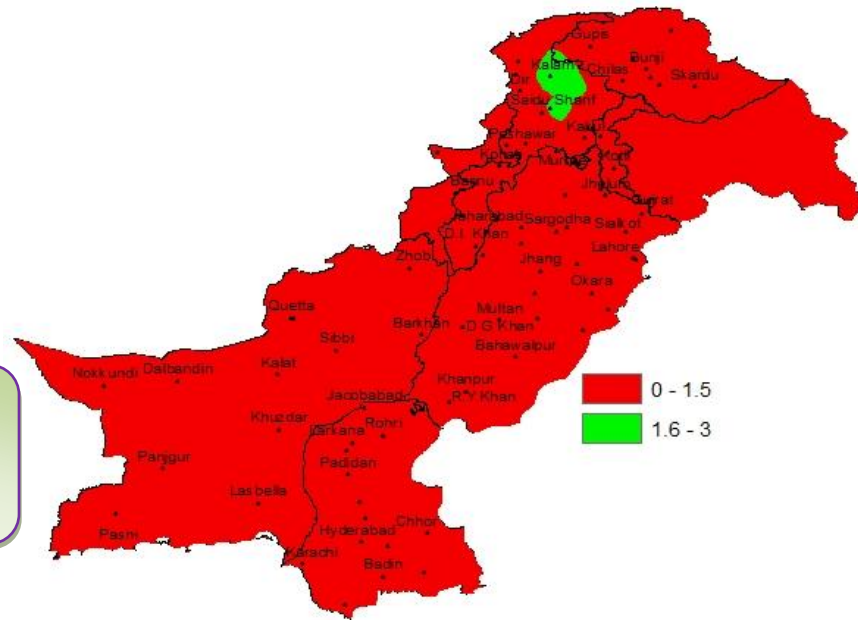
Weekly Weather and Crop Bulletin for Pakistan

**NATIONAL AGROMET CENTRE
PAKISTAN METEOROLOGICAL
DEPARTMENT SECTOR H-8/2,
ISLAMABAD.**

Phone: +92-51-9250592

Email: info@namc.pmd.gov.pk

Rainfall Distribution (mm) during the
Previous Week (From 29th December, 2014)
to 4th January, 2015)



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

Patron-in-Chief: Hazrat Mir (Director General)
Chief Editor: Dr. Khalid Mahmood Malik (Director)
Editor: Khalida Noureen (Meteorologist)

Highlights of Past Weather (From 29th December, 2014 to 4th January, 2015)

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, Gilgit-Baltistan & Kashmir regions, Sindh and Balochistan.
- Light rainfall reported at few places in Khyber Pakhtunkhwa.

Past Weather of Provinces (From 29th December, 2014 to 4th January, 2015)

Punjab

Dry weather was reported in Punjab during the week. Weekly maximum and minimum temperatures recorded 18.4°C & 4.5°C respectively. For the present season average 78.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 74% and wind speed in the morning/evening 0.4/1.2Knots. During the previous week lowest minimum temperature was recorded -1.1°C at Murree.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 22.5°C & 7.2°C respectively. For the present season average 101.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 59% and wind speed in the morning/evening recorded 2.4/3.9Knots. During the previous week lowest minimum temperature was recorded 1.0°C at Moin-Jo-Daro.

Gilgit-Baltistan and Azad Jammu & Kashmir

Dry weather was reported in Gilgit-Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 11.4°C & -1.8°C respectively. For the present season average 46.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 55% and wind speed in the morning/evening recorded 1.1/1.7Knots. During the previous week lowest minimum recorded -11.8°C at Skardu.

Balochistan

Dry weather was reported in Balochistan during the week. Weekly maximum and minimum temperatures recorded 20.7°C & 3.5°C respectively. For the present season average 93.1 growing

degree days accumulated by the end of last week. Average relative humidity recorded 44% and wind speed in the morning/evening recorded 1.15/3.1Knots. During the previous week lowest minimum temperature recorded -7.5°C at Kalat.

Khyber Pakhtunkhwa

Light rainfall was reported in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 15.5°C & 0.0°C respectively. For the present season average 62.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 51% and wind speed in the morning/evening recorded 0.8/1.1Knots. During the previous week highest rainfall recorded 3.0 at Kalam lowest minimum temperature recorded -6.6°C at Parachinar.

**Past Weather for Major Agricultural Plains
(From 29th December, 2014 to 4th January,
2015)**

Rawalpindi (Potohar region)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.1/1.0Oktas while, average relative humidity observed 69%.Mean night time temperature recorded 2.8°C &for the present season 153.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.6Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.7/1.3Oktas while average relative humidity observed as 74%.Mean night time temperature recorded 4.2°C &for the present season 182.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.2/0.7Knots.

Quetta (Northern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/1.3Oktas while, average relative humidity observed as 33%.Mean night time temperature recorded -2.5°C for the present season 125.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.5/3.0Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.3/0.0Oktas while, average relative humidity observed as 77%.Mean night time temperature recorded 5.2°C&for the present season 183.6 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 62%.Mean night time temperature recorded 7.8°C &for the present season 15.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 0.9/1.8Knots.

**Past Weather for Sub-Regional Agricultural
Plains (From 29th December, 2014 to 4th
January, 2015)**

Multan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.8/0.8Oktas while, average relative humidity observed as 80%.Mean night time temperature recorded 4.9°C&for the present season 79.2growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/3.7Knots.

Rohri

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.2/0.0Oktas while, average relative humidity observed as 58%.Mean night time temperature recorded 7.9°C&for the present season 95.5growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.2/2.7Knots.

Lahore

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 5.4/3.4Oktas while, average relative humidity observed as 79%.Mean night time temperature recorded 7.1°C&for the present season 73.4growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.7Knots.

Zhob

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.4Oktas while, average relative humidity observed as 36%. Mean night time temperature recorded -2.0°C & for the present season 51.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.2/6.2Knots.

D.I. Khan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.6/0.6Oktas while, average relative humidity observed as 66%. Mean night time temperature recorded 2.5°C & for the present season 90.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.3Knots.

Peshawar

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.8/3.4Oktas while, average relative humidity observed as 65%. Mean night time temperature recorded 2.0°C & for the present season 102.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.7Knots.

Murree

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.6/2.4Oktas while, average relative humidity observed as 41%. Mean night time temperature recorded -0.1°C & for the present season 35.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.8/1.3Knots.

Kalam

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 4.0/2.8Oktas while, average relative humidity observed as 54%. Mean night time temperature recorded -2.0°C & for the present season 40.9 growing degree days accumulated by

the end of last week. Wind speed recorded in the morning/evening as 0.0/0.7Knots.

Gilgit

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.4/5.4Oktas while, average relative humidity observed as 71%. Mean night time temperature recorded -3.5°C & for the present season 24.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 0.0/0.0nots.

Skardu

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.8/4.2Oktas while, average relative humidity observed as 63%. Mean night time temperature recorded -7.8°C of last week. Wind speed recorded in the morning/evening 0.0/0.0 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.

Wheat Chakwal 97: Poor 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 *Tillering* completed.

Lower Sindh (Tandojam)

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

Wheat TJ 83: Good condition at *shooting* stage.

Northern Balochistan (Quetta)

There is presently one crop in the fields of RAMC Quetta.

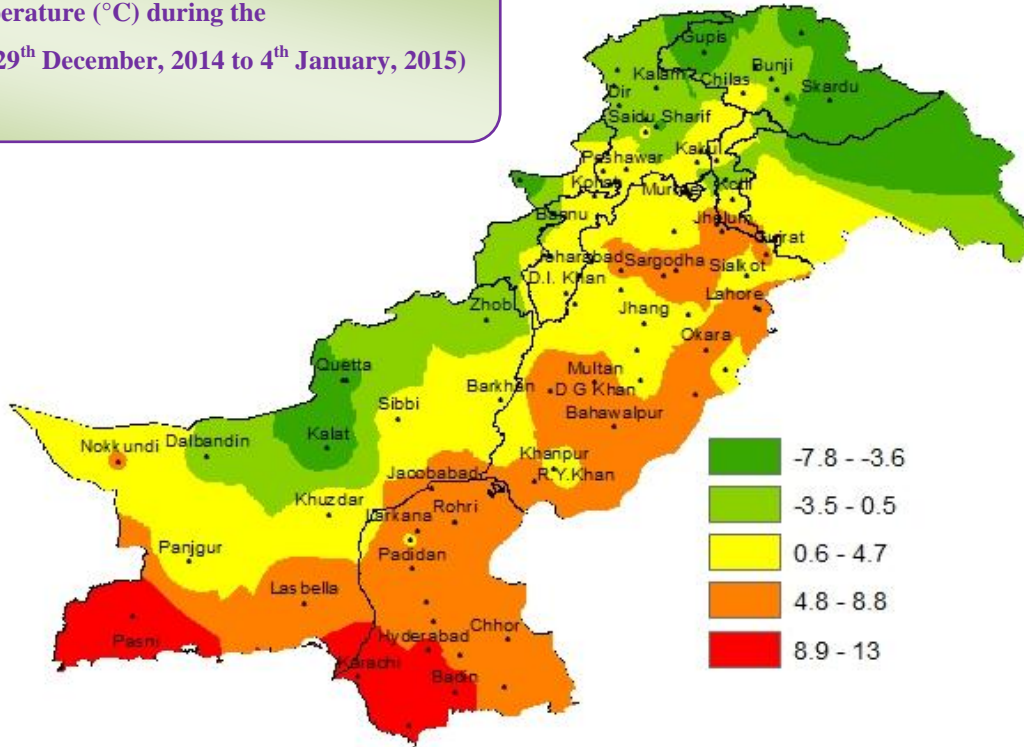
Wheat: Good condition at *Emergence* stage.

Eastern Balochistan (Usta Muhammad)

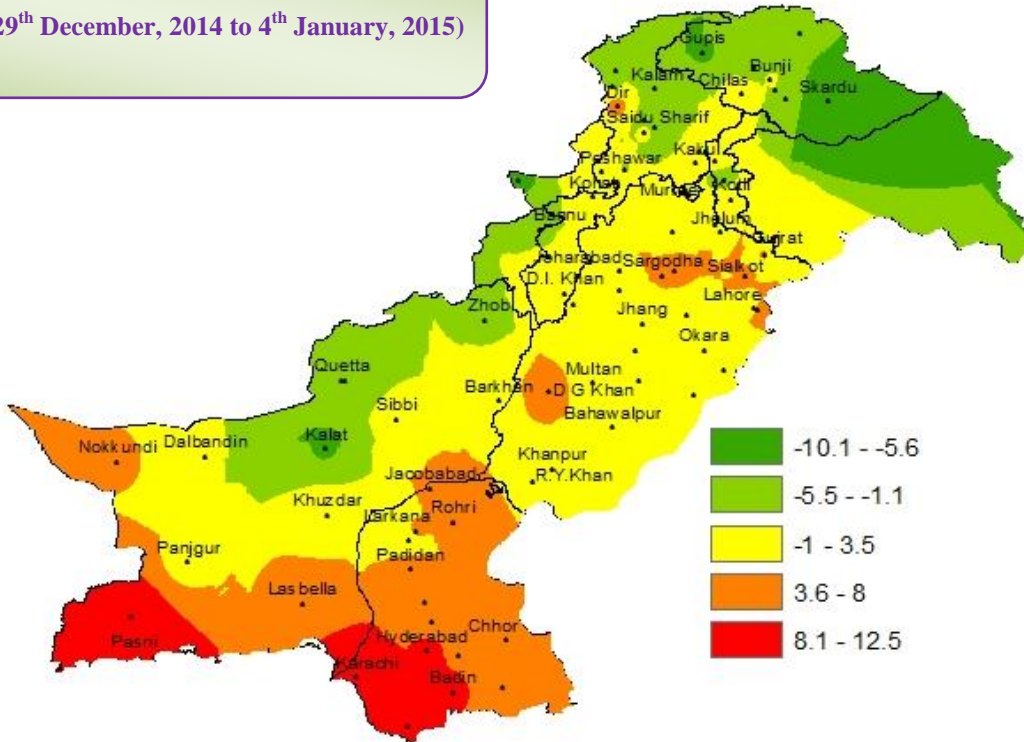
There is presently one crop grown in the fields of RAMC Usta Muhammad.

Wheat: Good condition at *Third Leaf* completed.

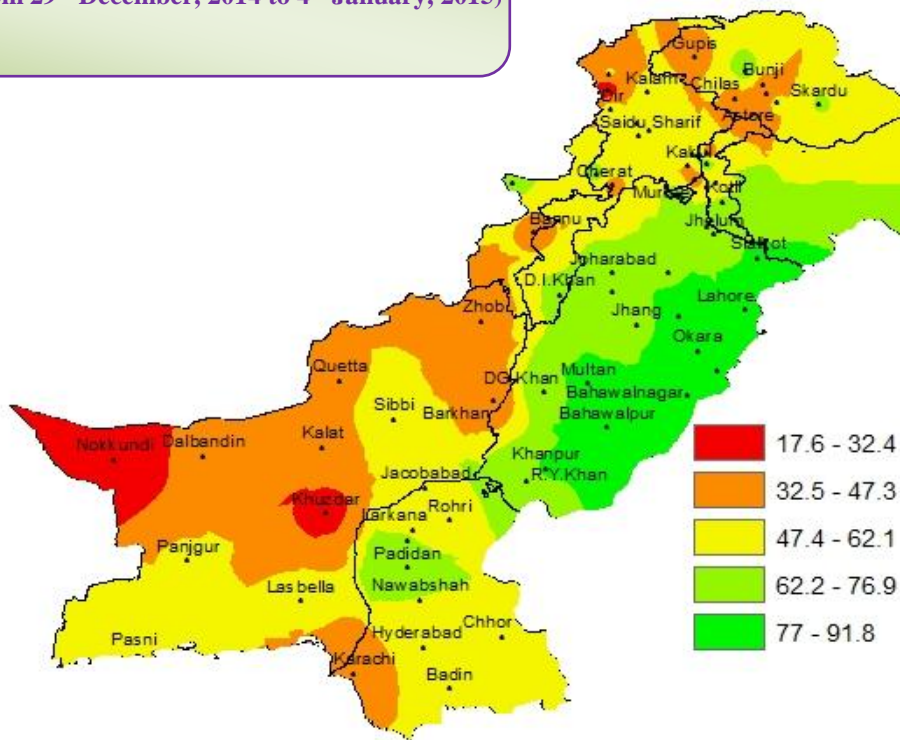
Mean Minimum Temperature (°C) during the Previous week (From 29th December, 2014 to 4th January, 2015)



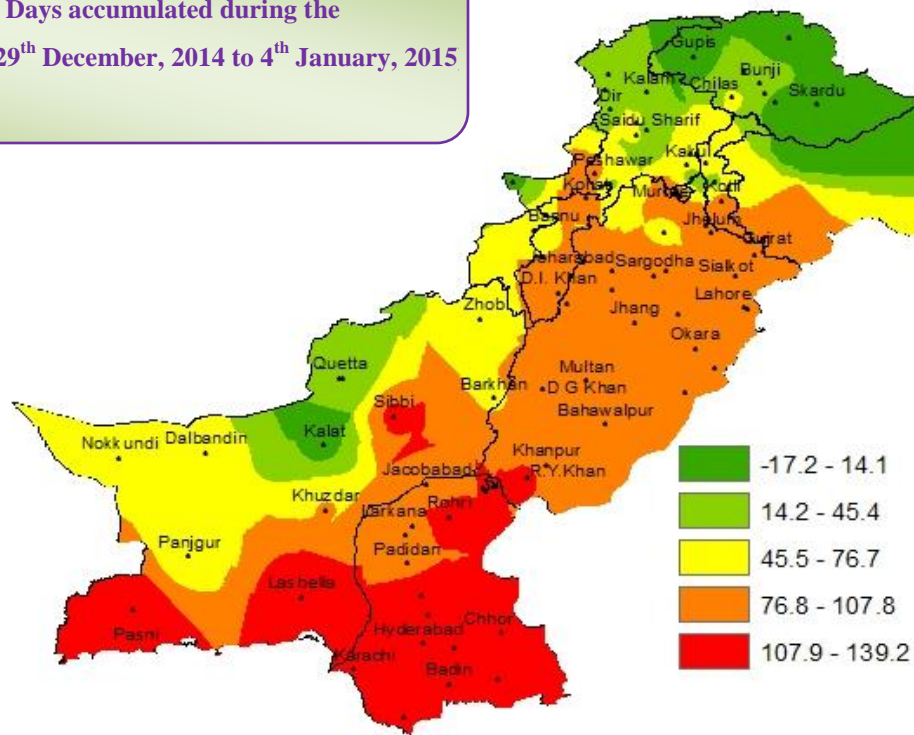
Lowest Minimum Temperature (°C) during the Previous week (From 29th December, 2014 to 4th January, 2015)



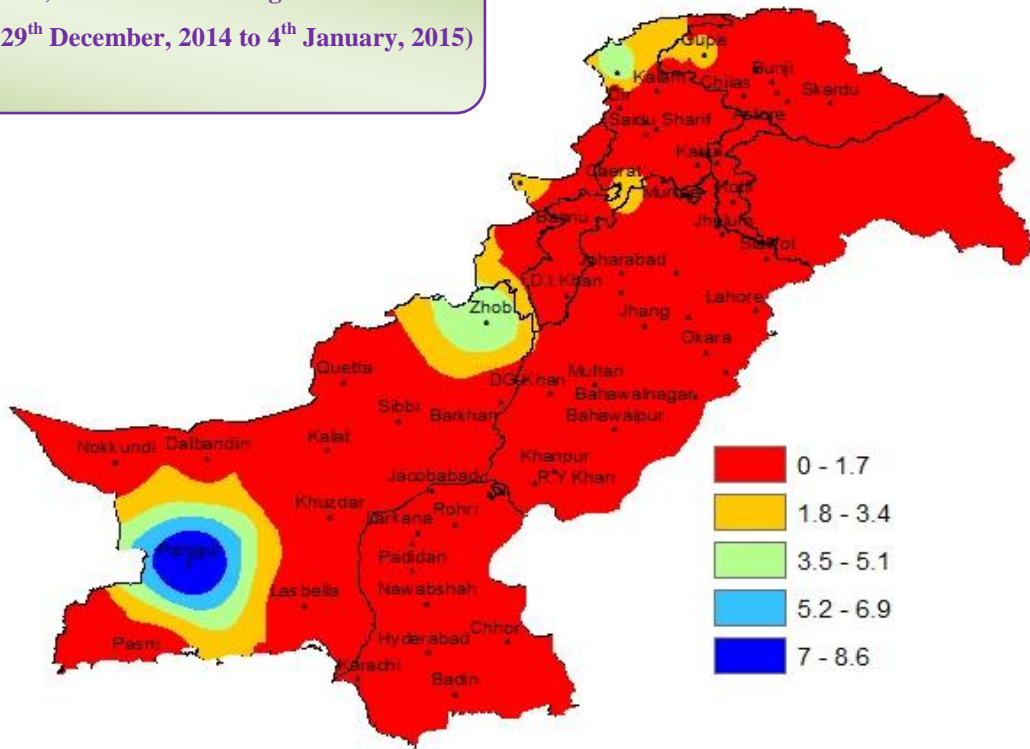
Mean Relative Humidity (%) during the Previous week (From 29th December, 2014 to 4th January, 2015)



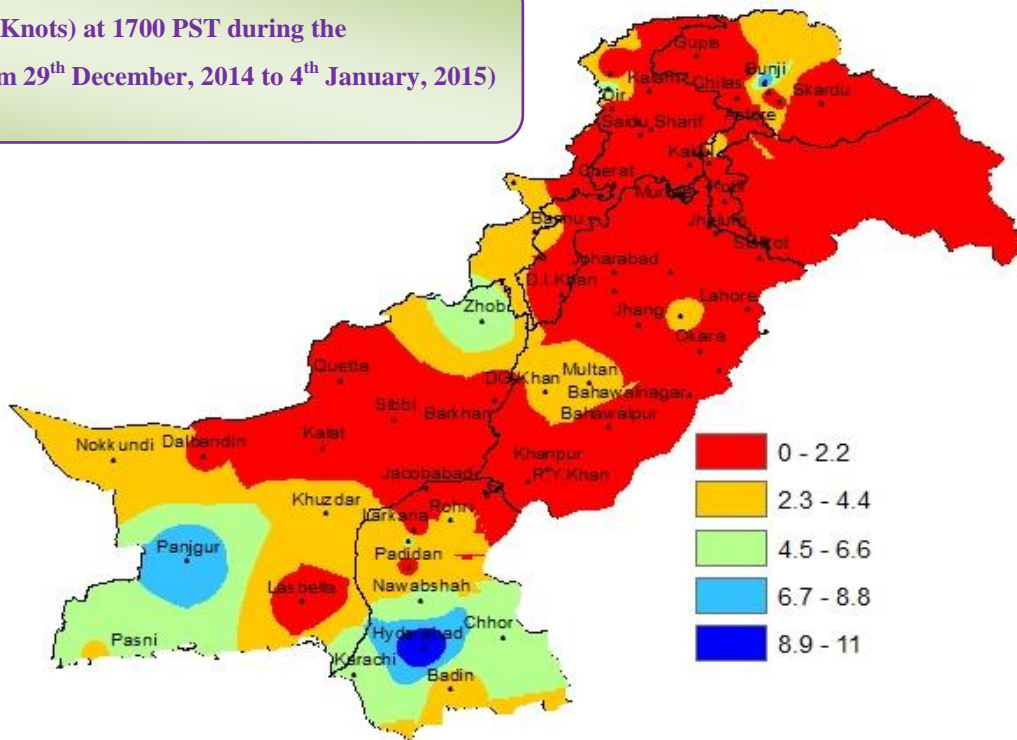
Total Growing Degree Days accumulated during the Previous week (From 29th December, 2014 to 4th January, 2015)



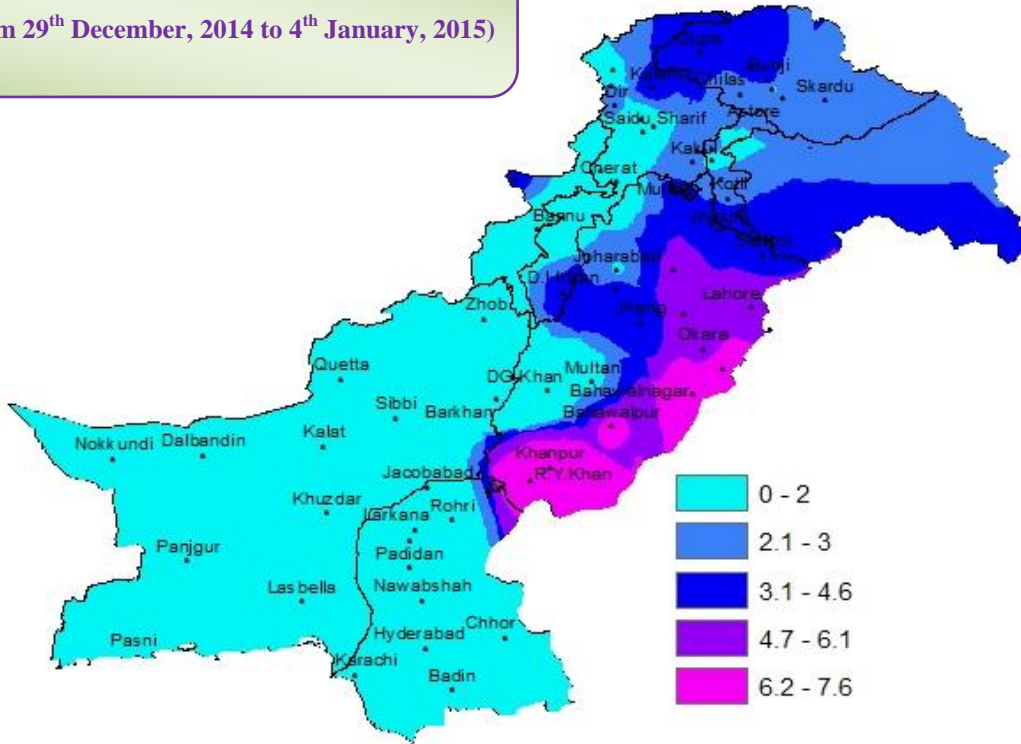
Mean Wind Speed (Knots) at 0800 PST during the Previous week (From 29th December, 2014 to 4th January, 2015)



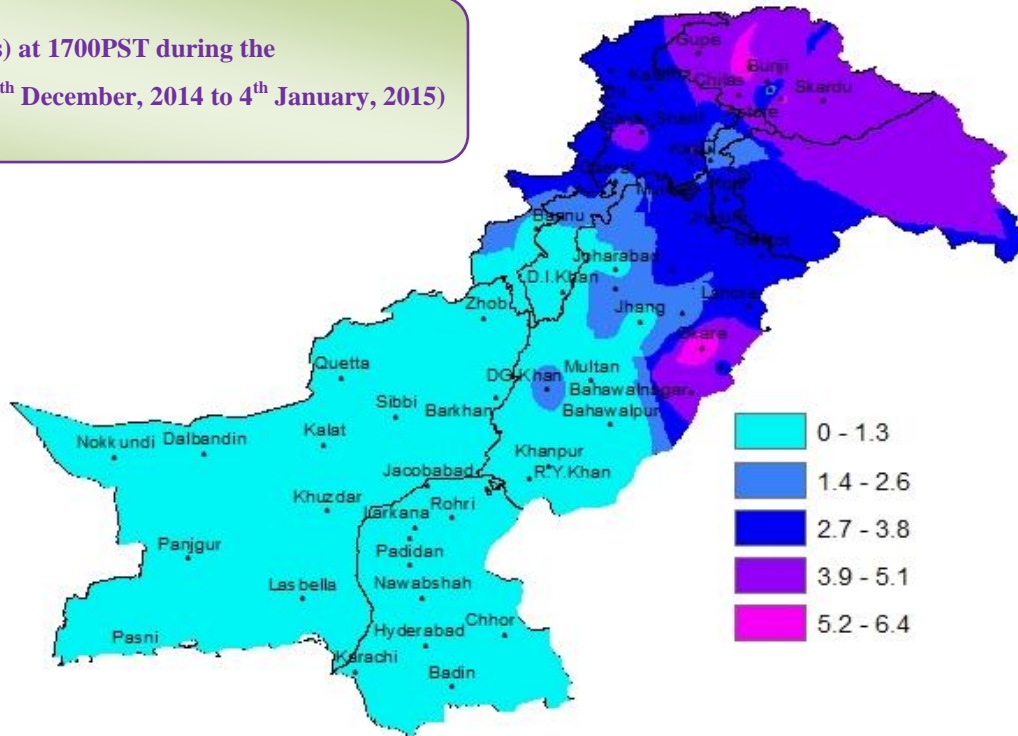
Mean Wind Speed (Knots) at 1700 PST during the Previous week (From 29th December, 2014 to 4th January, 2015)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (From 29th December, 2014 to 4th January, 2015)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (From 29th December, 2014 to 4th January, 2015)



Weekly Weather Advisory for Farmers
(From 5th to 11th January,2015)

Continental air would prevail over most parts of the country during the current week. A shallow trough of westerly wave is affecting extreme northern parts of the country.

MONDAY

05-01-2015

Very cold and dry weather is expected in most parts of the country; however, cloudy weather conditions with light rain-snow are expected at one or two places in Gilgit-Baltistan. Dense foggy conditions would continue in plain areas of Punjab, Khyber Pakhtunkhwa and upper Sindh during night and morning hours.

TUESDAY

06-01-2015

Very cold and dry weather is expected in most parts of the country. Dense foggy conditions would continue in plain areas of Punjab, Khyber Pakhtunkhwa and upper Sindh during night and morning hours.

WEDNESDAY

07-01-2015

Very cold and dry weather is expected in most parts of the country. Dense foggy conditions would continue in plain areas of Punjab, Khyber Pakhtunkhwa and upper Sindh during night and morning hours.

THURSDAY

08-01-2015

Very cold and dry weather is expected in most parts of the country. Dense foggy conditions would continue in plain areas of Punjab,

Khyber Pakhtunkhwa and upper Sindh during night and morning hours.

FRIDAY

09-01-2015

Very cold and dry weather is expected in most parts of the country. Dense foggy conditions would continue in plain areas of Punjab, Khyber Pakhtunkhwa and upper Sindh during night and morning hours.

SATURDAY

10-01-2015

Very cold and dry weather is expected in most parts of the country. Dense foggy conditions would continue in plain areas of Punjab, Khyber Pakhtunkhwa and upper Sindh during night and morning hours.

SUNDAY

11-01-2015

Very cold and dry weather is expected in most parts of the country; however, cloudy weather conditions with light rain-snow are expected at a few places in Malakand division and Gilgit-Baltistan. Dense foggy conditions would continue in plain areas of Punjab, Khyber Pakhtunkhwa and upper Sindh during night and morning hours.

Advises for Crops

- Farmers of irrigated areas are advised to irrigate wheat crop due to expected dry weather. First irrigation should be given after 20 – 24 days after cultivation.
- Farmers should 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 29th December, 2014 to 4th January, 2015)**

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	-4.6	-5.5	***	49	0.0	2.4	5.4	0.8	2.0
Badin	10.7	8.8	109.2	56	0.0	0.0	0.0	2.8	2.7
Bahawalnagar	5.5	3.2	67.8	87	0.0	7.2	4.2	0.0	2.0
Bahawalpur	5.3	1.7	77.2	84	0.0	6.4	0.0	0.4	0.7
Balakot	0.6	-0.6	74.9	59	0.0	3.0	4.2	0.0	0.0
Bannu	0.5	-1.7	98.9	43	0.0	0.0	1.0	1.6	2.7
Barkhan	3.3	2.5	****	36	0.0	0.0	0.0	0.4	0.7
Bunji	0.3	-0.6	26.0	43	0.0	3.6	5.0	0.0	9.7
Cherat	3.0	2.5	52.1	43	0.0	1.6	2.0	2.8	1.3
Chhor	6.8	4.0	111.9	54	0.0	0.6	0.0	1.2	5.0
Chilas	2.4	2.2	43.5	44	0.0	2.4	4.8	0.0	0.3
Chitral	-2.2	-2.5	52.6	49	0.0	1.8	3.2	2.8	0.7
DG.Khan	6.2	5.0	84.3	73	0.0	0.0	1.6	1.2	2.7
D.I.Khan	2.5	2.5	90.8	66	0.0	3.6	0.6	0.0	0.3
Dalbandin	0.0	-1.0	94.8	37	0.0	0.0	0.0	1.2	2.0
Dir	-3.5	5.0	60.2	53	0.0	2.2	3.6	0.0	0.7
Drosh	-1.6	-1.6	50.4	22	0.0	2.0	3.6	0.0	7.0
Faisalabad	4.2	1.5	182.6	74	0.0	0.7	1.3	0.2	0.7
Garidopatta	1.3	0.5	68.1	68	0.0	0.8	2.4	0.0	0.0
Gawader	9.0	8.0	113.5	49	0.0	0.0	0.0	0.0	4.2
Gilgit	-3.5	-5.0	24.8	71	0.0	3.4	5.4	0.0	0.0

Gupis	-5.5	-6.0	0.0	43	0.0	3.4	4.6	2.0	0.0
Hyderabad	10.3	9.5	105.2	53	0.0	0.0	0.0	8.8	11.0
Islamabad	2.2	2.0	80.9	71	0.0	3.4	3.0	0.0	0.7
Jacobabad	4.8	3.5	94.2	61	0.0	0.0	0.0	0.0	0.7
Jhang	2.8	1.0	80.2	71	0.0	3.6	1.0	0.0	0.0
Jhelum	5.6	3.4	96.0	75	0.0	4.4	2.6	0.0	0.0
Jiwani	13.0	12.5	131.5	49	0.0	0.0	0.0	0.4	5.0
Joharabad	5.3	3.5	81.4	66	0.0	1.8	0.8	0.0	1.3
Kakul	1.0	0.5	70.6	47	0.0	2.6	3.6	0.0	0.0
Kalam	-2.0	-4.0	40.9	54	3.0	4.0	2.8	0.0	0.7
Kalat	-6.0	-6.0	***	40	0.0	0.0	0.0	1.2	0.3
Karachi	12.5	12.0	125.3	34	0.0	0.0	0.4	2.8	5.0
Khanpur	4.4	1.4	86.5	78	0.0	7.2	0.0	1.6	1.7
Khuzdar	2.8	2.0	***	28	0.0	0.0	0.0	0.0	4.3
Kotli	2.9	2.8	92.9	63	0.0	2.8	3.0	1.2	0.8
Lahore	7.1	5.0	73.4	79	0.0	5.4	3.4	0.0	0.7
Larkana	5.9	4.2	92.5	56	0.0	0.4	0.0	0.8	1.0
Lasbella	6.5	5.0	***	51	0.0	0.0	0.0	0.0	1.3
Lower Dir	-0.5	-3.0	67.7	55	0.0	0.8	3.6	1.2	0.0
Malam Jabba	-5.0	-5.0	8.4	50	3.0	2.0	2.8	0.4	0.0
M.B Din	6.9	4.3	87.1	75	0.0	5.0	3.2	0.4	0.3
Mangla	5.6	3.3	94.8	66	0.0	4.2	3.6	0.0	0.0
Mir Khani	0.5	-1.0	67.4	42	0.0	1.8	1.6	0.0	0.0
Moinjodaro	4.3	1.0	***	65	0.0	0.0	0.0	1.6	5.0
Multan	4.9	1.0	79.2	80	0.0	1.8	0.8	0.0	3.7
Murree	-0.1	-1.0	35.0	41	0.0	2.6	2.4	0.8	1.3

Muzaffarabad	1.8	1.5	66.9	72	0.0	2.0	2.4	1.2	0.0
Nokkundi	4.8	4.2	99.3	18	0.0	0.4	0.6	0.0	2.3
Noorpurthal	3.5	1.0	83.4	69	0.0	3.6	2.4	0.0	0.0
Okara	5.5	3.0	60.3	92	0.0	5.4	6.4	0.4	1.0
Padidan	6.8	5.0	***	67	0.0	1.2	0.0	1.6	1.7
Panjgur	1.9	1.5	67.8	49	0.0	0.0	0.0	9.2	8.3
Parachinar	-6.6	-6.6	7.3	65	0.0	3.4	3.4	3.0	2.5
Pasni	11.0	9.0	135.3	52	0.0	0.0	0.0	0.0	5.0
Peshawar	2.0	2.0	102.1	65	0.0	0.8	3.4	0.0	0.7
Quetta	-2.5	-4.2	125.2	33	0.0	0.0	1.3	1.5	3.0
R.Y.Khan	5.1	2.4	93.5	72	0.0	7.6	0.0	1.6	1.7
Rawalakot	-1.7	-3.0	47.6	59	0.0	2.8	3.0	0.0	1.0
Rohri	7.9	6.5	95.5	58	0.0	1.2	0.0	3.2	2.7
Rawalpindi	2.8	1.3	153.5	69	0.0	1.1	1.0	0.3	0.6
Sahiwal	3.9	1.0	63.3	89	0.0	7.2	3.6	0.8	1.0
Saidu Sharif	1.7	0.5	70.3	59	0.0	1.6	4.4	0.0	0.0
Sialkot	5.8	3.8	86.4	79	0.0	4.2	2.6	0.0	1.3
Sibbi	2.8	1.5	109.5	57	0.0	0.0	0.0	0.0	0.0
Skardu	-7.8	-10.1	***	63	0.0	2.8	4.2	0.0	0.0
Tandojam	7.8	6.5	175.8	62	0.0	0.0	0.0	0.9	1.8
Usta.M	5.2	4.2	183.6	77	0.0	0.3	0.0	0.0	0.0
Zhob	-2.0	-2.5	51.8	36	0.0	0.0	0.4	2.0	6.2

*** Shows the data is not available.