

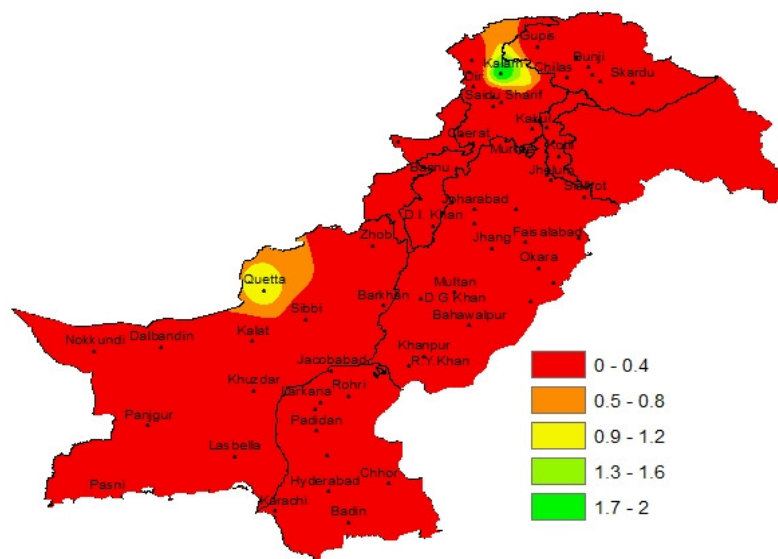
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the
Previous Week (From 22nd to 28th December, 2014)**



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Chief Editor: Dr. Khalid Mahmood Malik (Director)
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Highlights of Past Weather (From 22nd to 28th 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.
- Light rainfall was reported at isolated places in Khyber Pakhtunkhwa, Gilgit-Baltistan & Kashmir regions and Balochistan.
- Light rainfall reported at single station (Karachi = 0.1mm) in Sindh.

Past Weather of Provinces (From 22nd to 28th December, 2014)

Punjab

Dry weather was reported in Punjab during the week. Weekly maximum and minimum temperatures recorded 15.9°C & 3.7°C respectively. For the present season average 33.7 growing degree days accumulated by the end of last week. Average relative humidity recorded 82% and wind speed in the morning/evening 0.3/0.5 Knots. During the previous week lowest minimum temperature was recorded -0.9°C at Murree.

Sindh

Light rainfall reported at single station (Karachi = 0.1mm) in Sindh during the week. Weekly maximum and minimum temperatures recorded 23.5°C & 7.6°C respectively. For the present season average 74.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 65% and wind speed in the morning/evening recorded 0.3/1.5 Knots. During the previous week highest amount of rainfall reported at Karachi 0.1mm and lowest minimum temperature was recorded 2.6°C at Dadu.

Khyber Pakhtunkhwa

Light rainfall was reported at isolated places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 15.3°C & 0.3°C respectively. For the present season average 25.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 57% and wind speed in the morning/evening recorded 1.0/2.2 Knots. During the previous week highest amount of rainfall reported at Kalam 2.0mm and lowest minimum temperature was recorded -5.6°C at Parachinar.

Balochistan

Light rainfall was reported at isolated places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 21.2°C & 4.8°C respectively. For the present season average 61.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 42% and wind speed in the morning/evening recorded 1.5/3.1 Knots. During the previous week highest amount of rainfall reported at Ormara 10.0mm and lowest minimum temperature was recorded -7.5°C at Kalat.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light rainfall was reported at isolated places in Gilgit-Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 11.9°C & -1.8°C respectively. For the present season average 26.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 58% and wind speed in the morning/evening recorded 0.4/0.2 Knots. During the previous week highest amount of rainfall reported at Gilgit 0.2mm and lowest minimum temperature was recorded -10.5°C at Skardu.

**Past Weather for Major Agricultural Plains
(From 22nd to 28th December, 2014)****Rawalpindi (Potohar region)**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.9/1.0 Oktas while, average relative humidity observed 70%. Mean night time temperature recorded 2.1°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 0.0/0.0 Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.4/1.3 Oktas while average relative humidity observed as 79%. Mean night time temperature recorded 3.4°C & for the present season 28.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/0.3 Knots.

Quetta (Northern Balochistan)

Rainfall reported as Trace (non measureable) during the week; however cloudiness in the morning/evening recorded 1.7/2.6 Oktas while, average relative humidity observed as 35%. Mean night time temperature recorded -0.1°C & for the present season 9.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/3.1 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.4/0.9 Oktas while, average relative humidity observed as 73%. Mean night time temperature recorded 5.5°C & for the present season 59.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.0 Knots.

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 66%. Mean night time temperature recorded 14.1°C & for the present season 74.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 0.3/0.5 Knots.

**Past Weather for Sub-Regional Agricultural
Plains (From 22nd to 28th December, 2014)****Multan**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 6.0/0.0 Oktas while, average relative humidity observed as 83%. Mean night time temperature recorded 4.9°C & for the present season 41.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/3.3 Knots.

Rohri

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.6/0.0 Oktas while, average relative humidity observed as 64%. Mean night time temperature recorded 8.3°C & for the present season 69.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.3 Knots.

Lahore

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 7.3/1.0 Oktas while, average relative humidity observed as 83%. Mean night time temperature recorded 3.9°C & for the present season 36.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.3 Knots.

Zhob

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.3/0.6 Oktas while, average relative humidity observed as 39%. Mean night time temperature recorded -0.4°C & for the present season 22.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/4.8 Knots.

D.I. Khan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 6.7/0.3 Oktas while, average relative humidity observed as 77%. Mean night time temperature recorded 0.4°C & for the present season 33.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.0 Knots.

Peshawar

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.6/1.4 Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded 3.5°C & for the present season 46.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.7 Knots.

Murree

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.9/3.7 Oktas while, average relative humidity observed as 33%. Mean night time temperature recorded 0.5°C by the end of last week. Wind speed recorded in the morning/evening as 5.1/2.0 Knots.

Kalam

Rainfall reported as 2.0mm during the week; however cloudiness in the morning/evening recorded 2.7/4.1 Oktas 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 0.0/0.0 Knots.

Gilgit

Rainfall reported as 0.2mm during the week; however cloudiness in the morning/evening recorded 3.4/3.4 Oktas while, average relative humidity observed as 74%. Mean night time temperature recorded -3.8°C by the end of last week. Wind speed recorded in the morning/evening 0.0/0.0 Knots.

Skardu

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.3/3.0 Oktas while, average relative humidity observed as 66%. Mean night time temperature recorded -7.1°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: 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 *Tillering* stage.

Lower Sindh (Tandojam)

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

Wheat T483: Good condition at *Tillering* stage.

Northern Balochistan (Quetta)

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

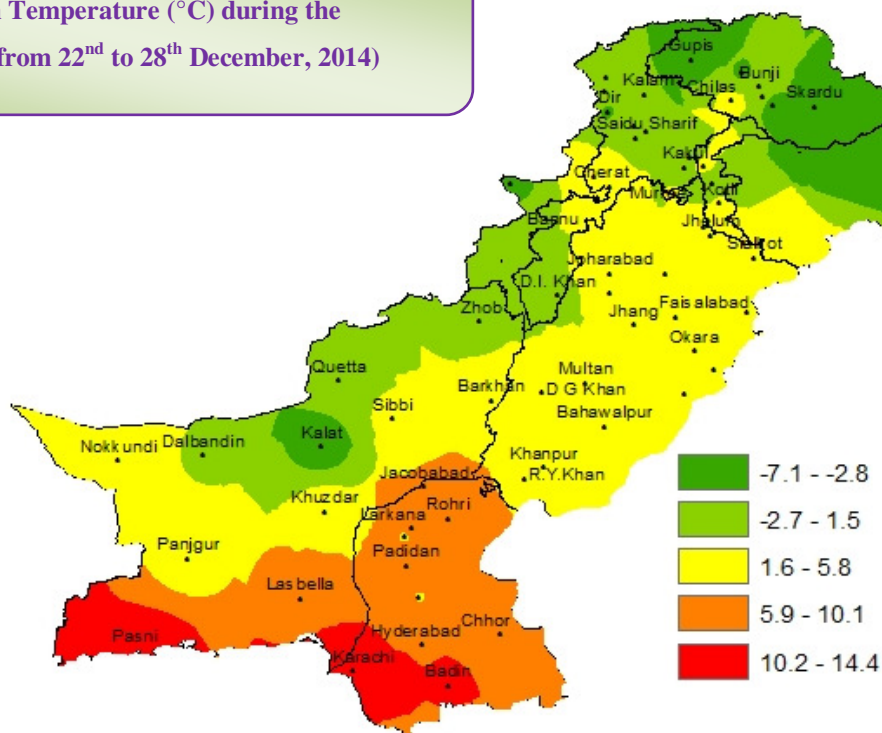
Wheat: Good condition at *Emergence* stage.

Eastern Balochistan (Usta Muhammad)

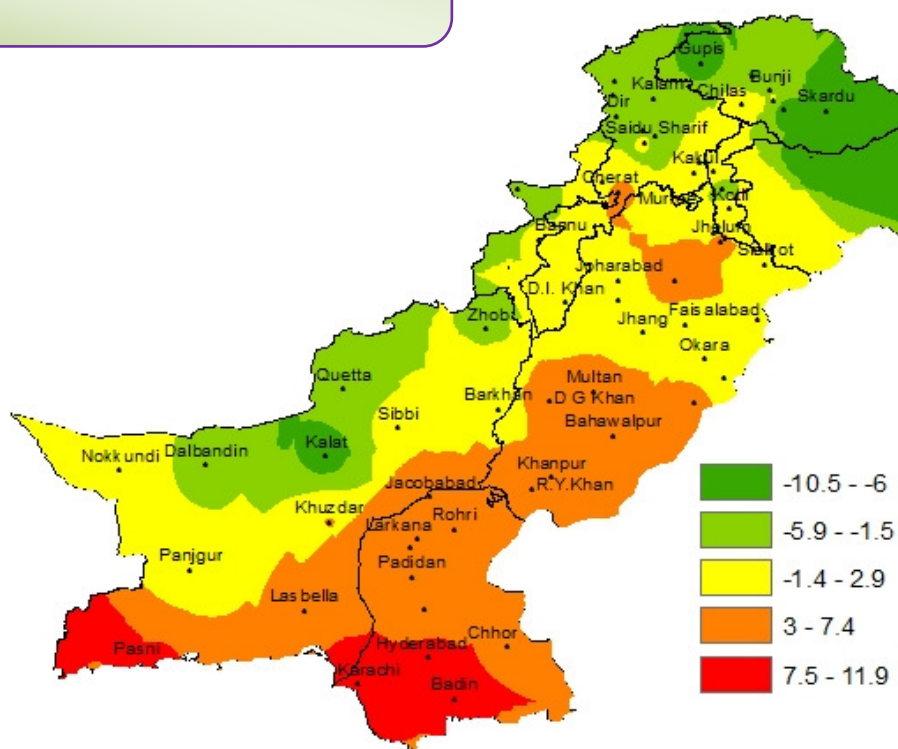
There is presently one crop grown in the fields of RAMC Usta Muhammad.

Wheat: Good condition at *Third Leaf* stage.

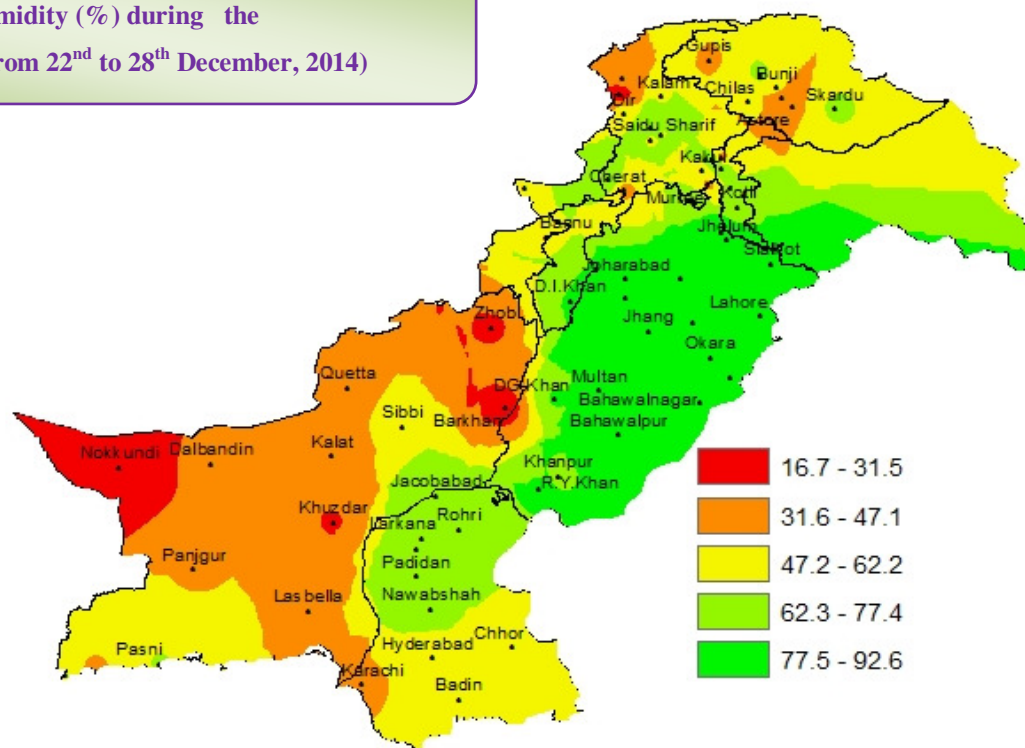
Mean Minimum Temperature (°C) during the
Previous week (from 22nd to 28th December, 2014)



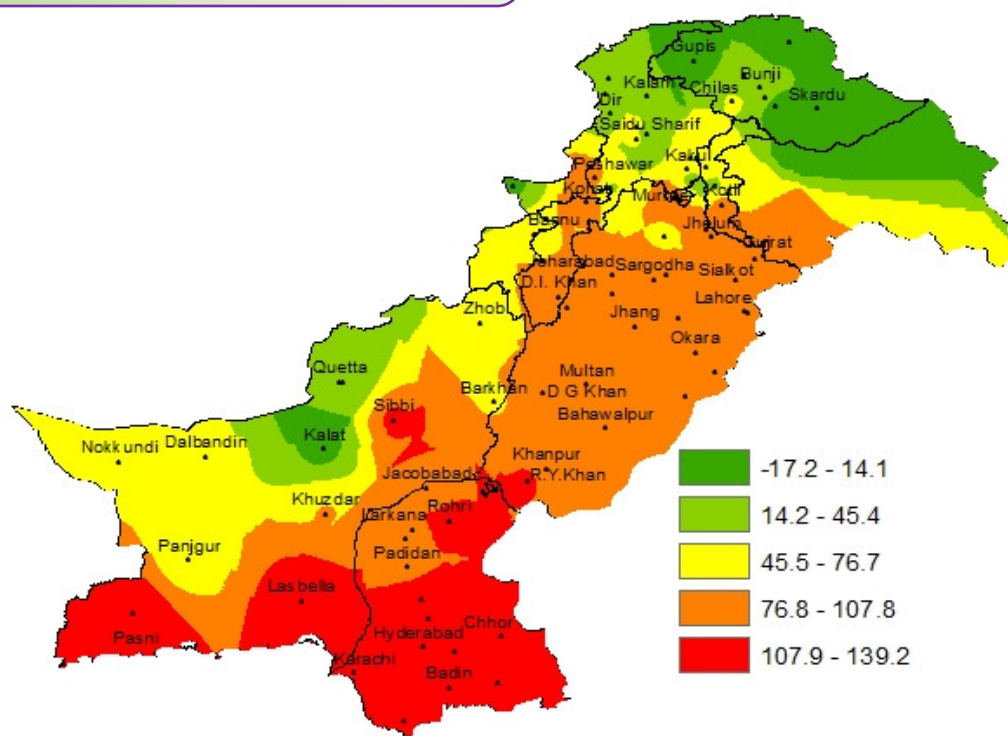
Lowest Minimum Temperature (°C) during the
Previous week (from 22nd to 28th December, 2014)



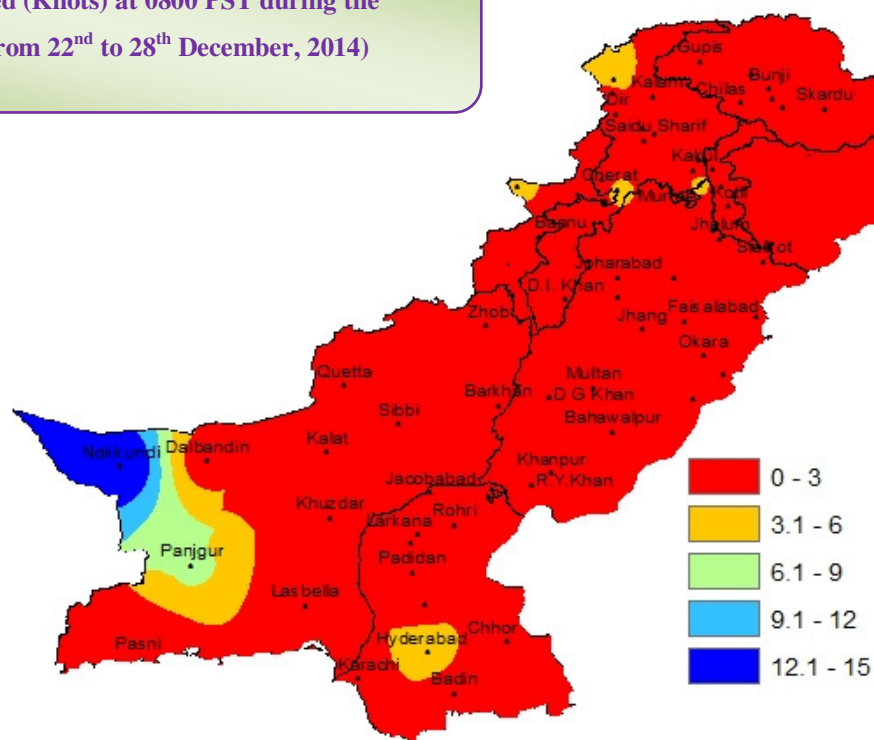
Mean Relative Humidity (%) during the
Previous week (from 22nd to 28th December, 2014)



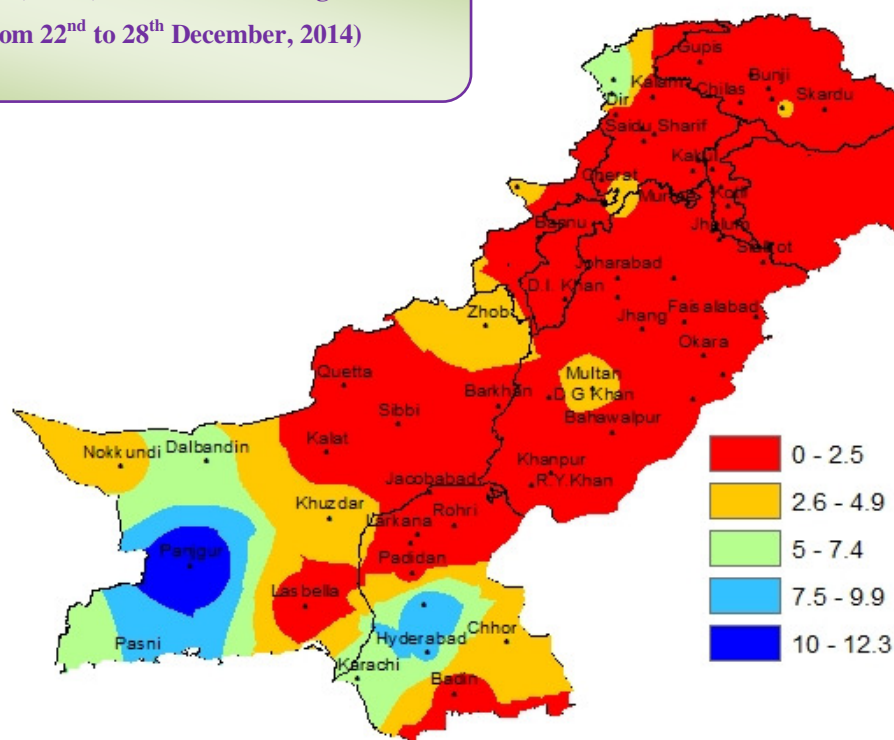
Total Growing Degree Days accumulated during the
Previous week (from 22nd to 28th December, 2014)



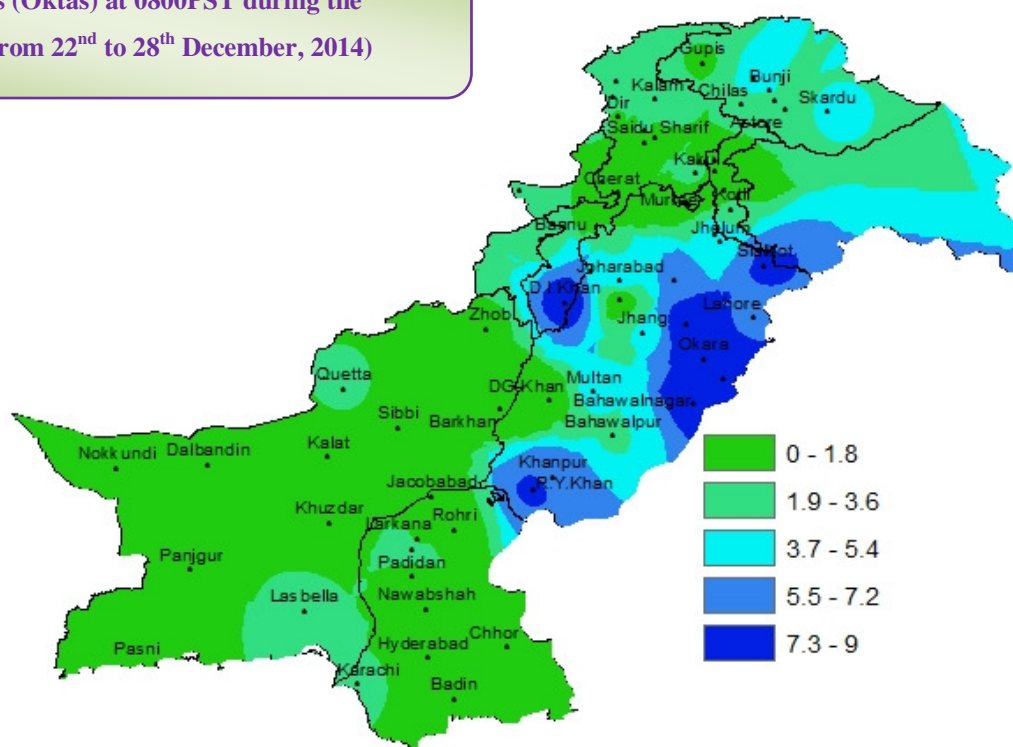
Mean Wind Speed (Knots) at 0800 PST during the Previous week (from 22nd to 28th December, 2014)



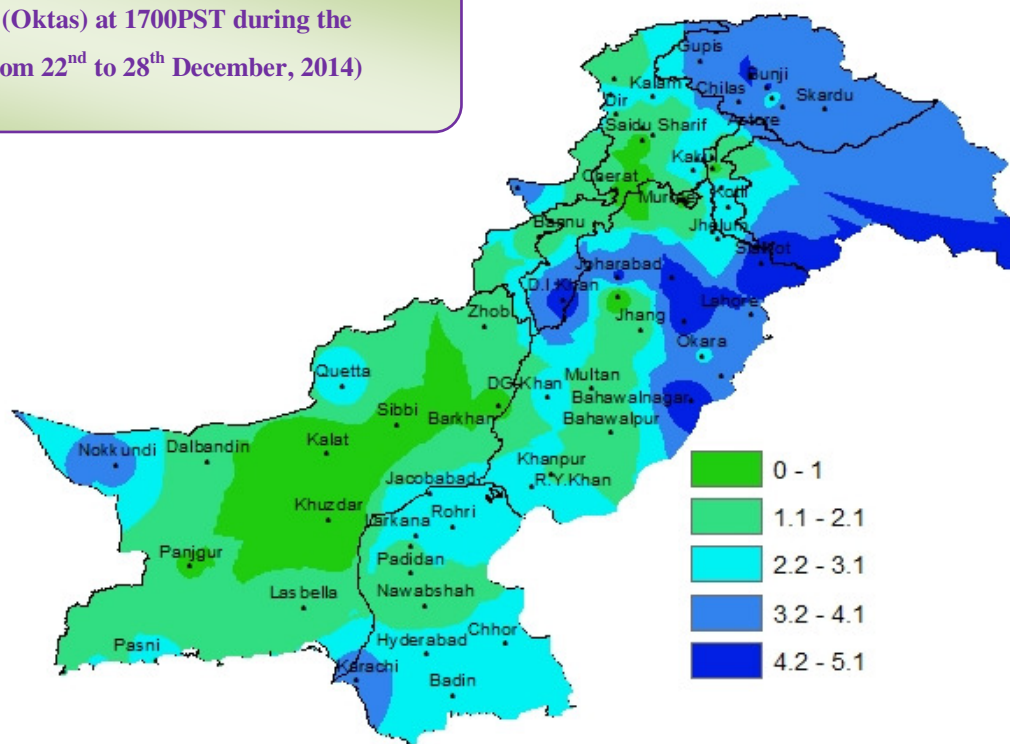
Mean Wind Speed (Knots) at 1700 PST during the Previous week (from 22nd to 28th December, 2014)



Mean Cloudiness (Oktas) at 0800PST during the
Previous week (from 22nd to 28th December, 2014)



Mean Cloudiness (Oktas) at 1700PST during the
Previous week (from 22nd to 28th December, 2014)



Weekly Weather Advisory for Farmers
(From 29th December to 4th January, 2014)

Continental air is prevailing over most parts of the country. A shallow westerly wave is expected to approach northern parts of the country from Tuesday.

MONDAY

29-12-2014

Very cold and dry weather is expected in most parts of the country; however. Dense foggy conditions would continue in Gujranwala, Lahore, Faisalabad, Sahiwal divisions, while foggy in Sargodha, Multan, Bahawalpur, D.G.Khan, D.I.Khan and Sukkur divisions during night and morning hours.

TUESDAY

30-12-2014

Very cold and dry weather is expected in most parts of the country. However, light rain (light snow over the hills) is expected at isolated places in Malakand division and Gilgit-Baltistan. Foggy conditions would continue in Lahore, Faisalabad, Gujranwala, Sahiwal, Multan, Bahawalpur, D.G.Khan, D.I.Khan and Sukkur divisions during night and morning hours.

WEDNESDAY

31-12-2014

Very cold and dry weather is expected in most parts of the country including Balochistan and Sindh. However, light rain (light snow over the hills) is expected at one or two places in Gilgit-Baltistan, Kashmir and adjoining hilly areas. Foggy conditions would continue in Lahore, Faisalabad, Gujranwala, Sahiwal, Multan, Bahawalpur, D.G.Khan, D.I.Khan and Sukkur divisions during night and morning hours.

THURSDAY

01-01-2015

Very cold and dry weather is expected in most parts of the country including Balochistan and Sindh. Moderate foggy conditions may prevail in Lahore, Faisalabad, Sahiwal, Multan,

Bahawalpur, D.G.Khan, D.I.Khan and Sukkur divisions during night and morning hours.

FRIDAY

02-01-2015

Very cold and dry weather is expected in most parts of the country; however. Dense foggy conditions would continue in Gujranwala, Lahore, Faisalabad, Sahiwal divisions, while foggy in Sargodha, Multan, Bahawalpur, D.G.Khan, Rawalpindi, D.I.Khan and Sukkur divisions during night and morning hours.

SATURDAY

03-01-2015

Very cold and dry weather is expected in most parts of the country. However, light rain (light snow over the hills) is expected at isolated places in Malakand division and Gilgit-Baltistan. Foggy conditions would continue in Lahore, Faisalabad, Gujranwala, Sahiwal, Multan, Bahawalpur, D.G.Khan, D.I.Khan and Sukkur divisions during night and morning hours.

SUNDAY

04-01-2015

Very cold and dry weather is expected in most parts of the country including Balochistan and Sindh. However, light rain (light snow over the hills) is expected at one or two places in Gilgit-Baltistan, Kashmir and adjoining hilly areas during morning hours. Foggy conditions would continue in Lahore, Faisalabad, Gujranwala, Sahiwal, Multan, Bahawalpur, D.G.Khan, D.I.Khan and Sukkur divisions 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 22nd to 28th 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	-5.7	-9.6	***	55	0	3.1	3.3	1.4	3.0
Badin	10.9	10.0	92.3	58	0	1.1	0.0	0.9	1.0
Bahawalnagar	5.2	4.0	37.8	80	0	7.7	3.9	0.6	0.0
Bahawalpur	5.2	4.6	45.0	81	0	6.4	0.0	0.3	1.0
Balakot	0.9	0.0	29.9	59	0	2.7	3.4	0.0	0.7
Bannu	0.5	-1.0	48.1	55	0	3.1	0.9	0.0	0.0
Barkhan	3.3	2.0	45.8	37	0	0.0	0.6	0.0	0.7
Bunji	0.0	-1.7	3.0	61	0.1	3.3	3.0	0.0	0.3
Cherat	4.4	3.5	26.0	65	0	2.4	1.9	4.0	3.7
Chhor	6.9	5.5	85.5	57	0	1.0	0.0	0.3	2.7
Chilas	2.6	2.0	20.2	47	0	2.7	2.9	0.0	0.3
Chitral	-0.1	-1.8	9.3	51	0	3.9	3.6	4.9	6.0
D.I.Khan	0.4	-1.0	33.4	76	0	6.7	0.3	0.3	0.0
Dalbandin	0.8	-3.0	40.8	42	0	2.0	1.6	1.1	5.3
D.G.Khan	4.7	3.8	39.2	79	0	0.9	0.0	1.7	2.3
Dir	-3.1	-4.0	8.3	57	0	2.3	3.1	0.0	1.3
Drosh	-1.7	-2.7	2.2	32	0	2.7	3.9	2.1	6.3
Faisalabad	3.4	1.5	28.8	79	0	2.4	1.3	0.5	0.3
Garidopatta	2.8	2.0	38.4	68	0	1.1	2.3	0.0	0.3
Gawader	11.6	7.0	105.5	51	0	0.0	1.9	0.0	7.0
Gilgit	-3.8	-6.5	***	74	0.2	3.4	3.4	0.0	0.0
Gupis	-5.2	-7.5	***	48	0	3.1	2.9	1.4	1.3

Hyderabad	10.0	9.0	82.9	56	0	0.3	0.0	4.9	7.7
Islamabad	1.7	0.0	36.4	65	0	2.1	2.6	0.0	0.0
Jacobabad	5.9	4.5	62.4	69	0	1.6	2.3	0.3	0.0
Jhang	2.8	1.6	32.3	77	0	6.4	0.0	0.3	0.3
Jhelum	4.3	3.3	38.4	79	0	6.1	2.1	0.3	0.7
Jiwani	14.4	12.0	107.4	55	0	1.7	0.9	2.0	7.3
Joharabad	3.9	2.8	42.0	78	0	3.9	1.1	0.0	0.7
Kakul	0.5	-0.5	25.7	47	0	2.4	3.4	0.0	0.0
Kalam	-2.5	-4.0	**	65	2.0	2.7	4.1	0.0	0.0
KLT	-5.4	-7.5	***	43	0	0.9	2.3	1.1	1.3
Karachi	13.0	10.5	105.3	47	0.1	2.3	0.9	1.1	5.7
Khanpur	4.3	3.4	44.8	80	0	6.4	0.0	0.6	1.7
Khuzdar	4.1	3.0	52.8	31	0	0.4	0.7	0.3	4.0
Kotli	2.0	0.4	38.9	64	0	2.4	2.6	1.1	0.0
Lahore	3.9	2.7	35.8	83	0	7.3	1.0	0.3	0.3
Larkana	7.0	6.0	66.0	67	0	3.4	1.4	0.9	1.3
Lasbella	8.4	4.0	91.8	57	0	2.4	1.1	0.6	1.0
Lower Dir	-0.5	-3.0	23.5	66	0	1.4	1.6	0.3	0.7
M.B Din	5.0	4.5	32.8	87	0	5.4	2.4	0.6	0.7
Malam Jabba	-2.6	-4.0	***	59	0	2.4	3.7	0.0	0.0
Mangla	3.7	2.8	36.9	77	0	4.7	2.0	0.0	0.0
Mir Khani	0.4	-1.0	16.2	56	0.1	1.6	2.3	0.0	1.2
Moinjodaro	5.5	4.0	62.2	68	0	0.9	1.0	0.0	2.3
Multan	4.9	4.5	41.0	83	0	6.0	0.0	1.7	3.3
Murree	0.5	-0.9	**	33	0	1.9	3.7	5.1	2.0
Muzaffarabad	0.8	0.0	30.7	64	0	1.4	2.7	0.3	1.0

Nawabshah	5.7	3.0	68.4	65	0	1.7	0.1	2.1	9.5
Nokkundi	5.5	1.7	59.5	16	0	1.7	0.7	15.0	4.3
Noorpurthal	2.0	1.0	35.3	81	0	0.0	0.0	0.0	0.7
Okara	4.4	2.5	30.7	90	0	7.6	1.1	0.6	0.7
Padidan	7.5	7.0	68.5	70	0	0.9	0.7	0.9	1.3
Panjgur	2.9	0.0	37.4	42	0	2.0	0.4	6.6	12.3
Parachinar	-4.5	-5.6	***	61	0	5.9	5.9	3.9	3.7
Pasni	13.0	8.0	104.8	60	0	0.6	0.6	0.6	8.0
Peshawar	3.5	2.0	46.8	67	0	0.6	1.4	0.0	0.7
Quetta	-0.1	-4.8	9.6	35	0.1	1.7	2.6	1.7	3.1
Rahim Yar Khan	5.5	4.5	53.1	78	0	6.4	0.0	1.1	1.0
Rawalpindi	2.1	1.6	38.1	70	0	1.9	1.0	0.0	0.0
Rawalakot	-2.1	-3.5	18.1	55	0	1.7	2.6	0.0	1.7
Rohri	8.3	7.0	69.1	64	0	0.6	0.0	1.1	1.3
Sahiwal	2.0	0.4	18.9	83	0	7.0	1.3	0.9	0.7
Saidu Sharif	1.1	-0.5	25.8	57	0	1.6	3.1	0.0	0.0
Sialkot	4.6	1.8	27.0	90	0	6.9	4.4	0.0	0.3
Sibbi	3.0	1.5	58.9	60	0.1	0.0	1.4	0.0	0.0
Skardu	-7.1	-10.5	***	66	0	3.3	3.0	0.0	0.0
Tandojam	14.1	5.0	74.5	66	0	0.0	0.0	0.3	0.5
Usta.M	5.5	4.0	59.5	73	0	0.4	0.9	0.0	0.0
Zhob	-0.4	-2.0	22.5	39	0	0.3	0.6	1.4	4.8

*** Shows that data was not available.