

Weekly Weather and Crop Bulletin for Pakistan

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

Phone: +92-51-9250299

Email: dirnamc@yahoo.com

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

Highlights of Past Weather (from 14th to 20th Dec, 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 reported in agriculture planes of the country.

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 14th to 20th**Dec, 2015)****Punjab**

Dry weather was reported in Punjab during the week. Weekly maximum and minimum temperatures recorded 21.0°C & 4.3°C respectively. For the present season average 41.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 64% and wind speed in the morning/evening recorded 0.3/1.0Knots. During the previous week the lowest minimum temperature recorded -3.5°C at Murree.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 24.3°C & 6.9°C respectively. For the present season average 58.8 growing degree days accumulated by the end of last week. Average relative humidity recorded 55% and wind speed in the morning/evening recorded 0.8/2.6Knots. During the previous week the lowest minimum temperature recorded 0.0°C at Mithi.

Khyber Pakhtunkhwa

Dry weather was reported in Khyber Pakhtunkhwa province during the week. Weekly maximum and minimum temperatures recorded 15.1°C & -0.2°C respectively. For the present season average 0.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 61% and wind speed in the morning/evening recorded 0.9/2.0Knots. During the previous week the lowest minimum temperature recorded -10.0°C at Kalam.

Balochistan

Dry weather was reported in Balochistan during the week. Weekly maximum and minimum temperatures recorded 20.3°C & 3.0°C respectively. For the present season average 41.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 41% and wind speed in the morning/evening recorded 2.0/5.1Knots. During the previous week the lowest minimum temperature recorded -12°C at Kalat.

Gilgit-Baltistan and Azad Jammu & Kashmir

Dry weather was reported in Gilgit-Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 10.8°C & 6.9°C respectively. Average relative humidity recorded 59% and wind speed in the morning/evening recorded 1.2/1.0 Knots. During the previous week the lowest minimum temperature recorded -10.5°C at Astore.

Past Weather for Major Agricultural Plains
(from 14th to 20th Dec, 2015)

Rawalpindi (Potohar region)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.3Oktas while, average relative humidity observed 62%. Mean night time temperature recorded 3.4°C & for the present season 41.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.1Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.1Oktas while, average relative humidity observed as 77%. Mean night time temperature recorded 4.2°C & for the present season 56.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.0Knots.

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 64%. Mean night time temperature recorded 6.6°C & for the present season 75.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/1.2Knots.

Quetta (Northern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.6/1.6Oktas while, average relative humidity observed as 35%. Mean night time temperature recorded -2.6°C by the end of last week. Wind speed recorded in the morning/evening as 0.8/3.3Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.6/0.6Oktas while, average relative humidity observed as 61%. Mean night time temperature recorded 5.1°C & for the present season 65.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.6Knots.

Past Weather for Sub-Regional Agricultural Plains (from 14th to 20th Dec, 2015)

Multan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.6/0.9Oktas while, average relative humidity observed as 63%. Mean night time temperature recorded 5.8°C & for the present season 45.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.0Knots.

Lahore

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.1/0.0Oktas while, average relative humidity observed as 58%. Mean night time temperature recorded 6.3°C & for the present season 38.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.1Knots.

Zhob

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.1/0.6Oktas while, average relative humidity observed as 43%. Mean night time temperature recorded -1.8°C by the end of last week. Wind speed recorded in the morning/evening as 5.7/11.4 Knots.

D.I. Khan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.6Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded 2.1°C & for the present season 26.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.9Knots.

Peshawar

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/1.3Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded 2.1°C & for the present season 26.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.9Knots.

Murree

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.3Oktas while, average relative humidity observed as 45%. Mean night time temperature recorded -1.7°C by the end of last week. Wind speed recorded in the morning/evening 2.4/3.0Knots.

Kalam

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.3/3.7Oktas while, average relative humidity observed as 68%. Mean night time temperature recorded -7.5°C by the end of last week. Wind speed recorded in the morning/evening 0.0/0.3Knots.

Gilgit

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 5.1/3.7Oktas while, average relative humidity observed as 74%. Mean night time temperature recorded -5.0°C 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 5.6/3.7Oktas while, average relative humidity observed as 68%. Mean night time temperature recorded -7.0°C 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: Good condition at *Tillering* stage.

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)

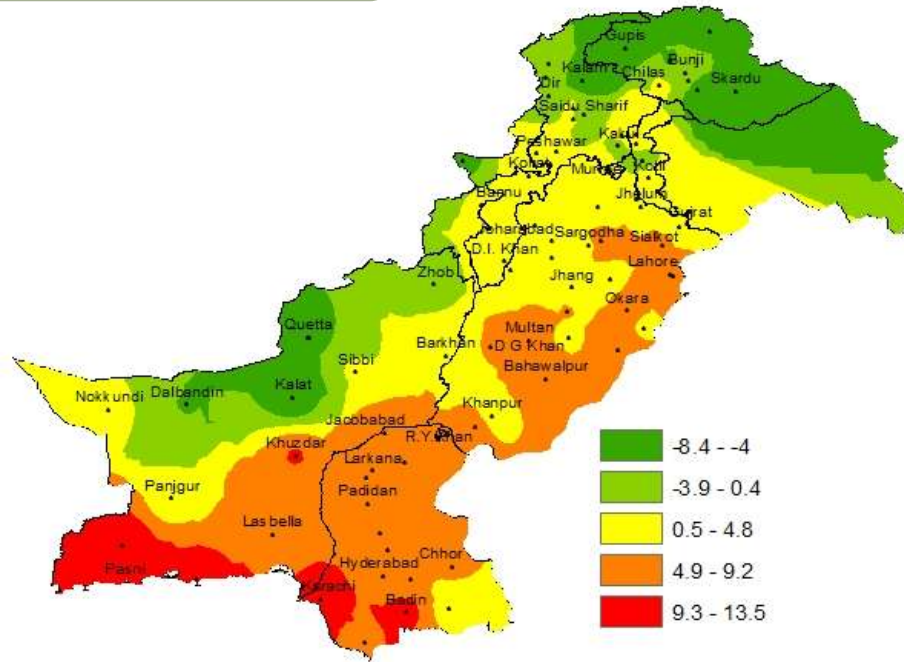
There is presently no crop grown in the fields of RAMC Quetta.

Eastern Balochistan (Usta Muhammad)

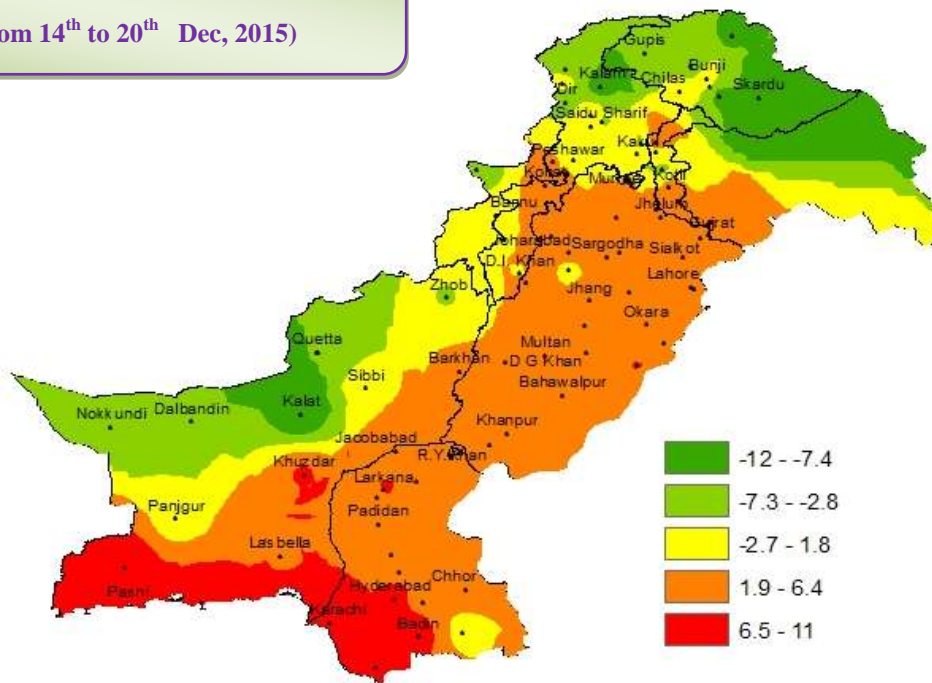
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Wheat: Good condition at *Germination* stage.

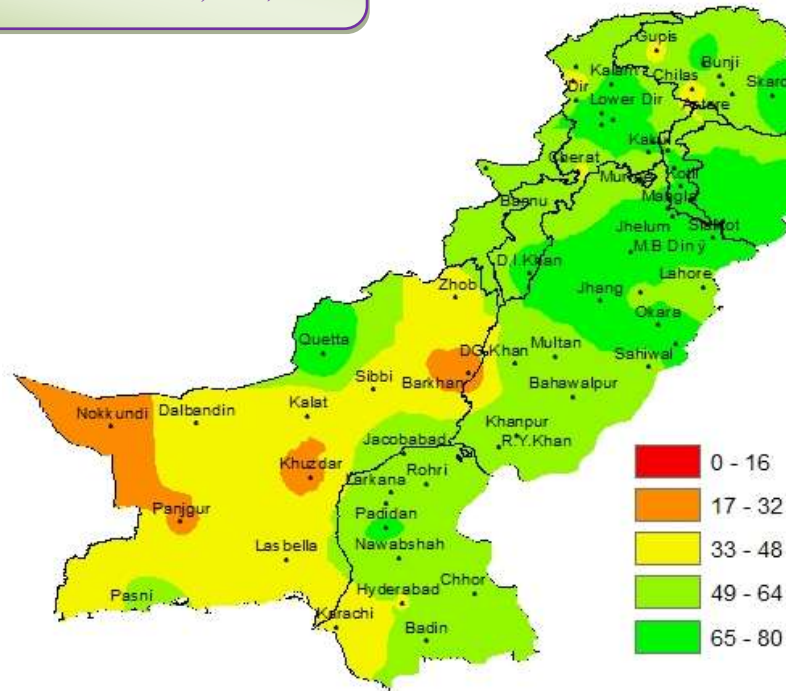
Mean Minimum Temperature (°C) during the Previous week (from 14th to 20th Dec, 2015)



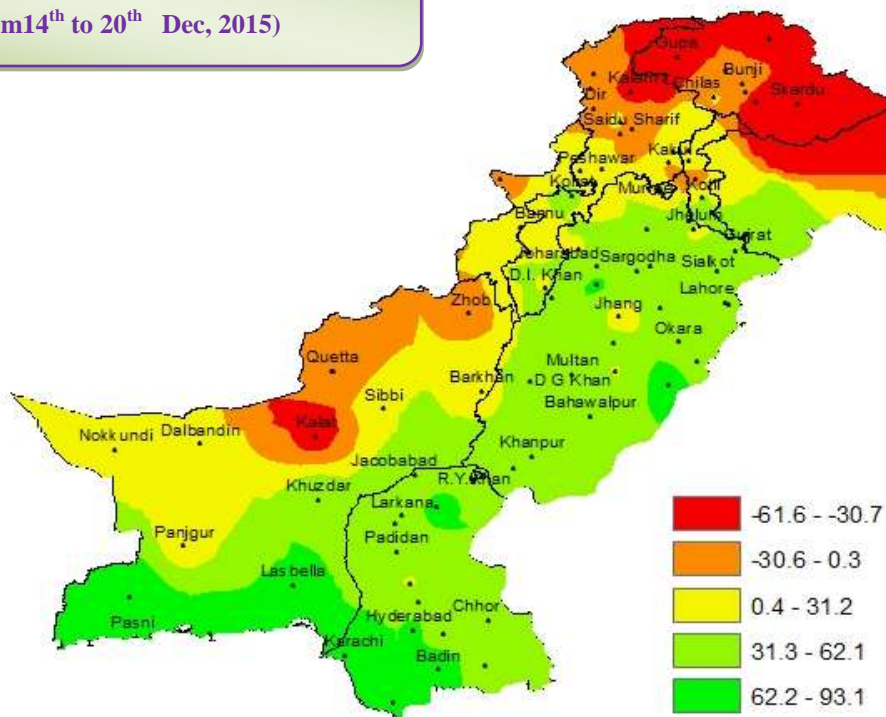
Lowest Minimum Temperature (°C) during the Previous week (from 14th to 20th Dec, 2015)



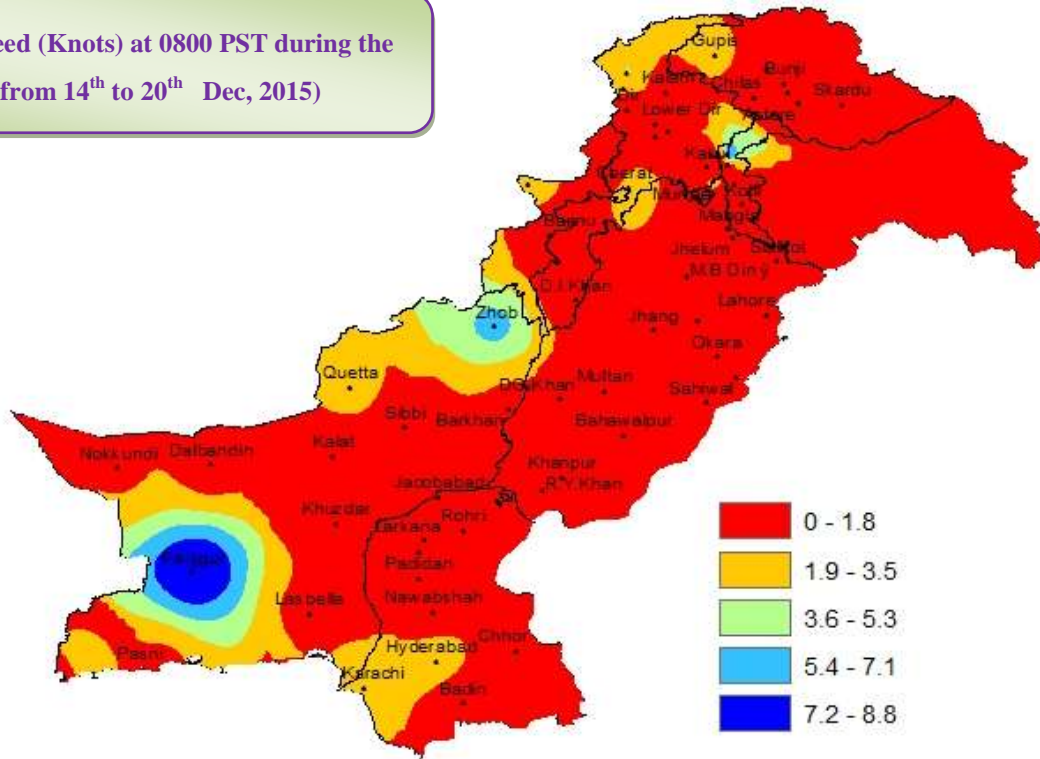
Mean Relative Humidity (%) during the Previous week (from 14th to 20th Dec, 2015)



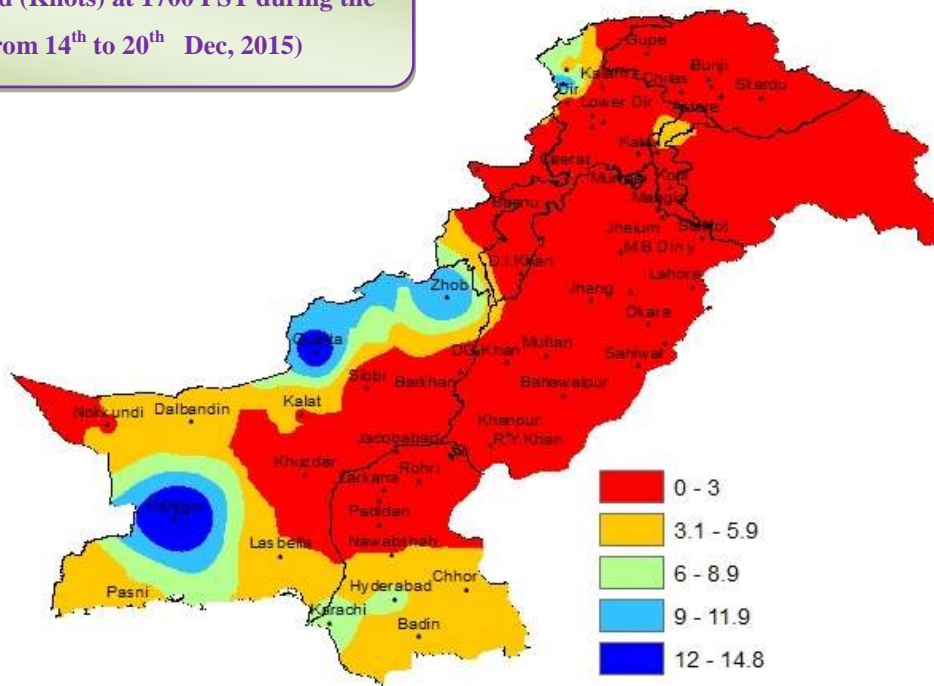
Total Growing Degree Days accumulated during the Previous week (from 14th to 20th Dec, 2015)



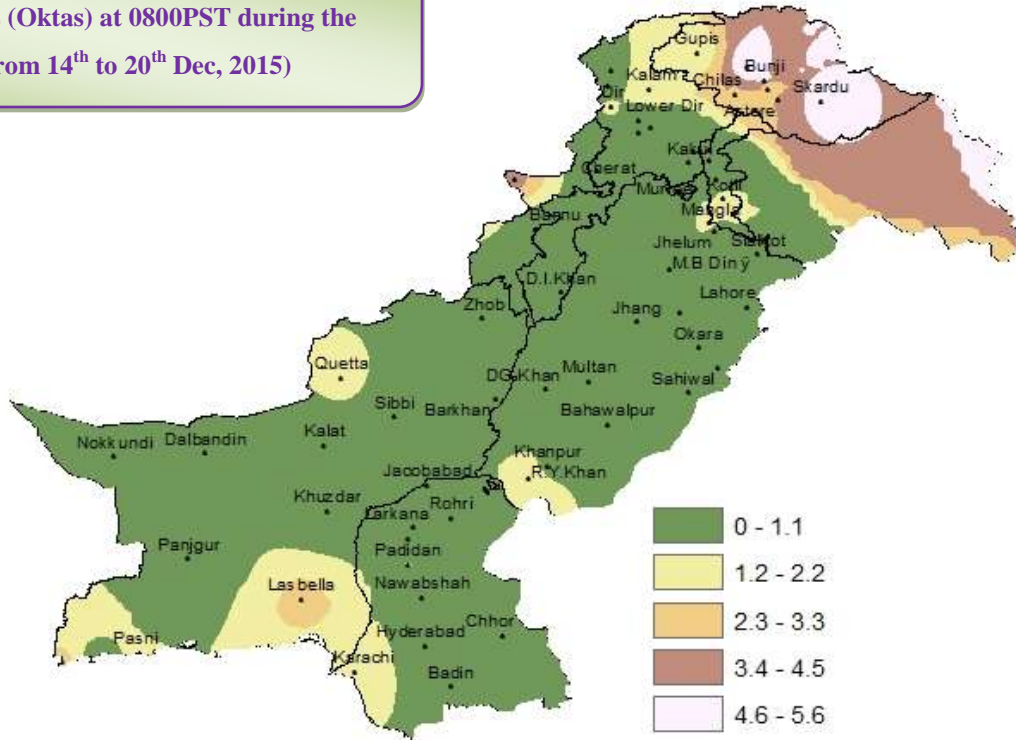
Mean Wind Speed (Knots) at 0800 PST during the Previous week (from 14th to 20th Dec, 2015)



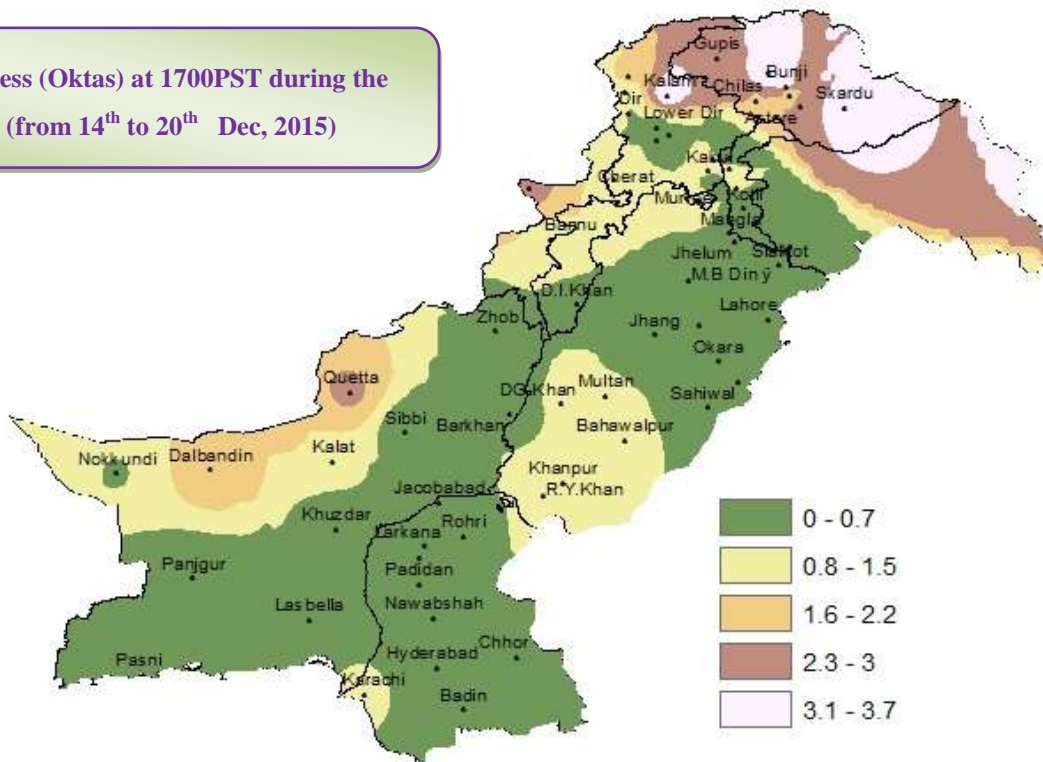
Mean Wind Speed (Knots) at 1700 PST during the Previous week (from 14th to 20th Dec, 2015)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 14th to 20th Dec, 2015)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (from 14th to 20th Dec, 2015)



Weekly Weather Advisory for Farmers**(From 21st to 27th December, 2015)**

Continental air would prevail over most parts of the country. However, a shallow westerly wave is expected to affect upper parts of the country during Monday night and Tuesday.

MONDAY**21-12-2015**

Mainly cold and dry weather is expected in most parts of the country. Partly cloudy weather conditions with chances of light rain/snow is likely at few places in Malakand, Hazara divisions and Gilgit-Baltistan. Foggy/misty conditions are likely to continue over some plain areas of Punjab, Peshawar and Sukkur divisions during night and morning hours

TUESDAY**22-12-2015**

Rain with light snow fall over hills is expected at isolated places of upper KP (Malakand, Hazara, Mardan, Peshawar, Kohat Mardan divisions), upper FATA, Rawalpindi, Gujranwala divisions, Islamabad, Gilgit-Baltistan and Kashmir. Foggy/misty conditions are likely to continue over some plain areas of Punjab, Peshawar and Sukkur divisions during night and morning hours.

WEDNESDAY**23-12-2015**

Mainly cold and dry weather is expected in most parts of the country. Rain with light snowfall over hills is expected at isolated places in Gilgit-Baltistan and Kashmir. Foggy/misty conditions are likely to continue over some plain areas of Punjab, Peshawar and Sukkur divisions during night and morning hours.

THURSDAY**24-12-2015**

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

FRIDAY**25-12-2015**

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

SATURDAY**26-12-2015**

Mainly cold and dry weather is expected in most parts of the country. Cloudy weather conditions with light rain /snow fall over hills is expected at isolated places in Malakand division and Gilgit-Baltistan. Moderate to dense foggy conditions are likely to prevail over plain areas of Punjab, Peshawar and Sukkur divisions during night and morning hours.

SUNDAY**27-12-2015**

Mainly cold and dry weather is expected in most parts of the country. Cloudy weather conditions with light rain /snow fall over hills is expected at isolated places in Malakand division and Gilgit-Baltistan. Moderate to dense foggy conditions are likely to prevail over plain areas of Punjab, Peshawar and Sukkur divisions during night and 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 14th to 20th 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	-8.9	-10.5	***	60	0.0	3.6	3.0	0.6	0.6
Badin	10.8	8.5	83.8	53	0.0	0.4	0.4	0.6	3.2
Bahawalnagar	7.0	6.5	77.4	63	0.0	0.0	0.0	0.0	0.6
Bahawalpur	6.3	4.9	52.8	61	0.0	0.7	1.0	0.3	0.6
Balakot	0.7	0.0	9.9	72	0.0	1.0	1.0	0.0	0.0
Bannu	1.6	0.6	22.6	61	0.0	0.0	1.1	0.0	0.9
Barkhan	3.3	3.0	23.5	24	0.0	0.0	0.3	1.1	1.0
Bunji	0.0	-0.6	***	50	0.0	5.4	3.6	0.0	0.3
Cherat	2.3	2.0	5.0	45	0.0	0.9	1.1	3.4	3.1
Chhor	5.4	3.7	54.0	52	0.0	1.0	0.3	0.9	3.4
Chilas	1.0	-0.5	1.9	44	0.0	3.0	2.0	0.3	0.9
Chitral	-2.3	-3.5	***	58	0.0	0.9	1.7	3.7	4.9
D.I.Khan	2.1	1.5	26.0	67	0.0	0.0	0.6	0.3	0.9
Dalbandin	-4.2	-6.0	6.0	44	0.0	1.0	2.1	0.7	3.7
DG.Khan	4.9	2.8	43.5	57	0.0	0.1	0.9	1.1	0.6
Dir	-3.2	-5.0	***	65	0.0	1.3	0.7	0.0	1.1
Drosh	-1.1	-1.7	***	32	0.0	0.6	1.1	2.0	13.1
Faisalabad	4.2	3.0	56.9	77	0.0	0.0	0.1	0.0	0.0
Garidopatta	2.3	0.6	20.1	69	0.0	1.0	1.3	0.0	0.0
Gawader	11.7	10.0	84.0	42	0.0	0.7	0.0	2.0	3.7
Gilgit	-5.0	-6.0	***	74	0.0	5.1	3.7	0.0	0.0
Gupis	-6.6	-7.0	***	46	0.0	1.4	2.4	2.6	0.6

Hyderabad	8.4	7.0	65.7	47	0.0	0.7	0.4	2.6	6.6
Islamabad	2.2	1.0	21.5	65	0.0	0.4	1.1	0.0	2.9
Jacobabad	6.9	5.0	51.5	60	0.0	0.0	0.0	0.6	0.0
Jhang	3.1	2.5	24.1	67	0.0	0.0	0.0	0.0	0.3
Jhelum	4.2	3.3	27.9	74	0.0	0.7	0.0	0.0	0.9
Jiwani	10.3	9.5	74.8	36	0.0	2.6	0.7	1.7	5.4
Kakul	-0.3	-1.0	2.5	65	0.0	1.0	0.9	0.0	0.3
Kalam	-7.5	-10.0	***	68	0.0	2.3	3.7	0.0	0.3
Kalat	-8.4	-12.0	***	32	0.0	0.0	1.3	0.0	2.9
Karachi	10.5	9.2	79.6	39	0.0	1.9	0.9	2.3	6.3
Khanpur	3.8	2.6	52.6	61	0.0	1.0	1.4	0.0	2.0
Khuzdar	9.6	7.0	59.3	31	0.0	0.0	0.0	0.0	0.6
Kotli	4.4	3.6	34.6	65	0.0	1.4	0.0	0.7	0.9
Lahore	6.3	5.5	38.0	58	0.0	0.1	0.0	0.0	1.1
Larkana	8.1	7.5	58.8	56	0.0	0.7	0.2	0.0	1.7
Lasbella	6.9	6.1	66.0	42	0.0	2.4	0.4	1.1	3.1
Lower Dir	1.2	0.0	8.3	76	0.0	0.3	0.7	0.0	0.6
M.B Din	5.4	4.5	36.1	76	0.0	0.4	0.0	0.0	0.3
Malam Jabba	-3.8	-4.0	***	78	0.0	0.3	0.4	0.3	0.0
Mangla	4.8	3.9	37.3	67	0.0	1.4	0.7	0.6	2.3
Mir Khani	-1.3	-2.0	***	53	0.0	1.6	1.0	0.4	0.9
Moinjodaro	4.4	3.0	59.0	62	0.0	0.6	0.0	0.0	1.1
Multan	5.8	5.0	45.9	63	0.0	0.6	0.9	0.6	0.0
Murree	-1.7	-3.2	***	45	0.0	0.0	0.3	2.4	3.0
Muzaffarabad	2.4	1.4	14.4	67	0.0	1.1	0.4	0.0	0.0
Nawabshah	5.8	4.5	27.7	59	0.0	0.9	0.3	1.0	3.0

Nokkundi	1.4	-3.0	22.5	21	0.0	0.4	0.7	1.4	2.9
Okara	5.6	4.6	54.7	65	0.0	0.0	0.0	0.3	1.1
Padidan	6.0	5.5	50.8	66	0.0	1.1	0.3	0.6	1.7
Panjgur	1.3	-1.0	16.6	31	0.0	0.0	0.0	8.9	14.9
Parachinar	-6.4	-7.0	***	51	0.0	3.7	2.6	3.0	2.9
Pasni	10.3	8.0	79.3	53	0.0	1.1	0.0	1.1	5.4
Pattan	5.4	4.0	33.5	42	0.0	0.4	0.0	9.1	7.4
Peshawar	2.7	2.0	26.2	65	0.0	0.0	1.3	0.0	0.6
Quetta	-2.6	-5.5	***	35	0.0	0.6	1.6	0.8	3.3
R.Y.Khan	5.7	4.6	48.8	64	0.0	1.4	1.0	0.0	0.3
Rawalakot	-2.5	-4.0	***	68	0.0	0.3	0.9	0.0	0.6
Rawalpindi	3.4	2.4	41.8	62	0.0	0.0	0.3	0.0	0.1
Sahiwal	4.3	3.5	38.3	67	0.0	0.0	0.0	0.0	0.3
Saidu Sharif	1.4	1.0	1.0	66	0.0	0.7	0.7	0.0	0.0
Sialkot	4.7	3.7	32.9	77	0.0	1.0	0.0	0.0	0.3
Sibbi	1.2	0.5	31.5	38	0.0	0.0	0.0	0.0	0.0
Skardu	-7.0	-8.6	***	68	0.0	5.6	3.7	0.0	0.0
Tandojam	6.6	6.0	75.3	64	0.0	0.0	0.0	0.9	1.2
Usta.M	5.1	4.5	65.0	61	0.0	0.6	0.6	0.0	0.6
Zhob	-1.8	-3.0	***	43	0.0	0.1	0.6	5.7	11.4

*** Shows that data was not available.