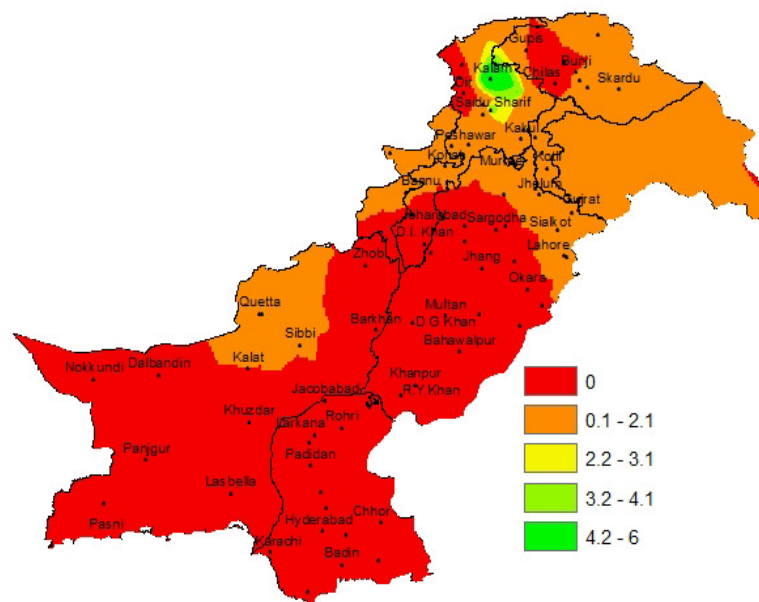# Weekly Weather and Crop Bulletin for Pakistan

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 24th to 30th November, 2014)

■	0
■	0.1 - 2.1
■	2.2 - 3.1
■	3.2 - 4.1
■	4.2 - 6

Contents

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

Highlights of Past Weather (From 24th to 30th November, 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:

- Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa.
- Light to moderate rainfall reported at few places in Punjab and Gilgit-Baltistan & Kashmir regions.
- Light rainfall reported at an isolated place (Quetta) in Balochistan.
- Dry weather was reported in Sindh.

Past Weather of Provinces (From 24ᵗʰ to 30ᵗʰ November, 2014)

Punjab

Light to moderate rainfall reported at few places in Punjab during the week. Weekly maximum and minimum temperatures recorded 25.5°C & 9.0°C respectively. For the present season average 86.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 66% and wind speed in the morning/evening 0.4/0.5 Knots. During the previous week highest amount of rainfall reported at Islamabad 0.2mm and lowest minimum temperature was recorded 4.0°C at Islamabad.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 30.6°C & 14.4°C respectively. For the present season average 123.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 62% and wind speed in the morning/evening recorded 0.8/1.7 Knots. During the previous week lowest minimum temperature was recorded 7.5°C at Moin-Jo-Daro.

Khyber Pakhtunkhwa

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 19.3°C & 4.4°C respectively. For the present season average 44.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 60% and wind speed in the morning/evening recorded 0.7/1.3 Knots. During the previous week highest amount of rainfall reported at Kalam 6.0mm and lowest minimum temperature was recorded -1.5°C at Kalam.

Balochistan

Light rainfall reported at an isolated place in Balochistan during the week. Weekly maximum and minimum temperatures recorded 26.0°C & 9.8°C respectively. For the present season average 86.7 growing degree days accumulated by the end of last week. Average relative humidity recorded 46% and wind speed in the morning/evening recorded 1.3/5.5 Knots. During the previous week highest amount of rainfall reported at Quetta 1.1mm and lowest minimum temperature was recorded -4.0°C at Kalat.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light to moderate rainfall reported at few places in Gilgit-Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 16.2°C & 1.6°C respectively. For the present season average 26.8 growing degree days accumulated by the end of last week. Average relative humidity recorded 58% and wind speed in the morning/evening recorded 0.5/0.8 Knots. During the previous week highest amount of rainfall reported at Rawalakot 1.1mm and lowest minimum temperature was recorded -6.5°C at Skardu.

Past Weather for Major Agricultural Plains (From 24th to 30th November, 2014)

Rawalpindi (Potohar region)

Rainfall reported as Trace (not measureable) during the week; however cloudiness in the morning/evening recorded 2.7/1.6 Oktas while, average relative humidity observed 63%. Mean night time temperature recorded 4.8°C & for the present season 64.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.2/0.4 Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.3/0.0 Oktas while average relative humidity observed as 54%. Mean night time temperature recorded 9.4°C & for the present season 91.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.2 Knots.

Quetta (Northern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.4/2.0 Oktas while, average relative humidity observed as 34%. Mean night time temperature recorded 5.3°C & for the present season 51.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.5/2.6 Knots.

Usta Muhammad (Eastern Balochistan)

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 12.6°C & for the present season 104.3 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 69%. Mean night time temperature recorded 15.1°C & for the present season 127.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 0.8/0.3 Knots.

Past Weather for Sub-Regional Agricultural Plains (From 24th to 30th November, 2014)

Multan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.3/0.4 Oktas while, average relative humidity observed as 62%. Mean night time temperature recorded 11.2°C & for the present season 95.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/0.6 Knots.

Lahore

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 2.3/1.4 Oktas while, average relative humidity observed as 63%. Mean night time temperature recorded 11.5°C & for the present season 93.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

Rohri

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 60%. Mean night time temperature recorded 14.0°C & for the present season 114.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.0 Knots.

Zhob
Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.3/1.7 Oktas while, average relative humidity observed as 32%. Mean night time temperature recorded 3.6°C & for the present season 56.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/5.0 Knots.

D.I. Khan
Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.4 Oktas while, average relative humidity observed as 64%. Mean night time temperature recorded 7.3°C & for the present season 81.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.6 Knots.

Peshawar
Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 1.1/3.3 Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded 7.3°C & for the present season 77.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.0 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 50%. Mean night time temperature recorded 5.9°C & for the present season 41.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.3 Knots.

Kalam
Rainfall reported as 6.0mm during the week; however cloudiness in the morning/evening recorded 4.0/5.6 Oktas while, average relative humidity observed as 68%.Mean night time temperature recorded -0.4°C & for the present season 2.6 growing degree days accumulated by the end of last week .Wind speed recorded in the morning/evening as 0.0/0.6 Knots.

Gilgit
Dry weather was reported during the week; however cloudiness in the morning/evening recorded 5.1/5.0 Oktas while, average relative humidity observed as 72%. Mean night time temperature recorded -0.9°C & for the present season 15.3 growing degree days accumulated 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 5.0/4.7 Oktas while, average relative humidity observed as 61%. Mean night time temperature recorded -4.6°C by the end 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: Good condition at *Emergence stage.*
Central Punjab (Faisalabad)
There is presently one crop (irrigated condition) grown in the fields RAMC Rawalpindi.
Wheat: Excellent condition at *Emergence stage.*
Lower Sindh (Tandojam)
There is presently one crop in the fields of RAMC Tandojam.
Wheat: Good condition at *Emergence stage.*
Northern Balochistan (Quetta)
There is presently no crop 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 24th to 30th November, 2014)
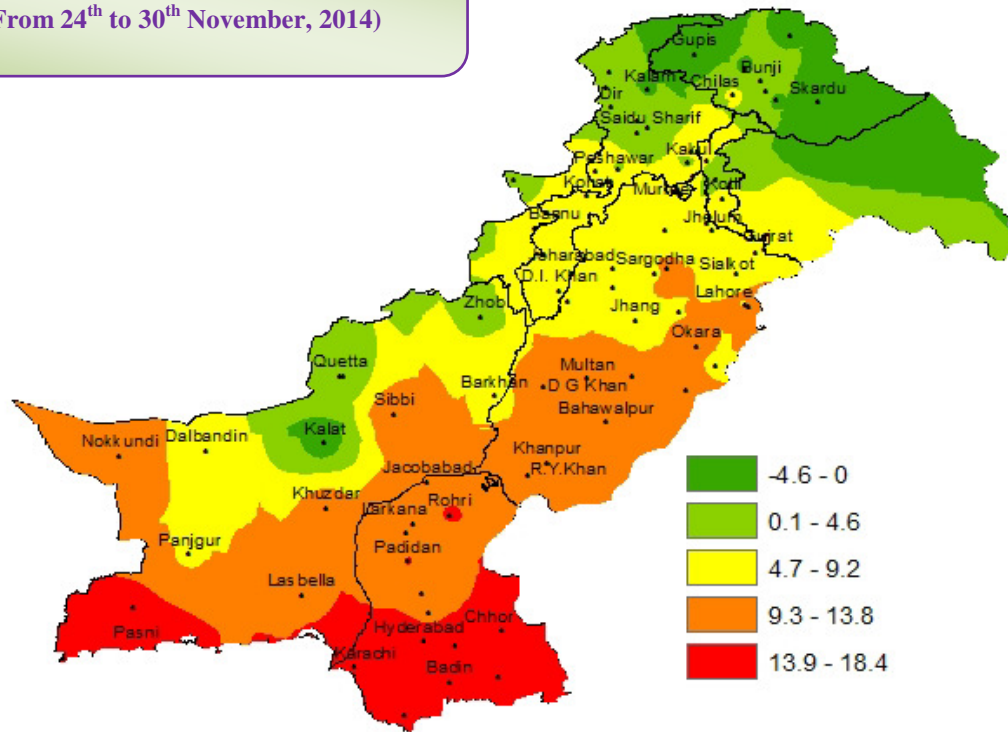
	-4.6 - 0
	0.1 - 4.6
	4.7 - 9.2
	9.3 - 13.8
	13.9 - 18.4

Lowest Minimum Temperature (°C) during the Previous week (From 24th to 30th November, 2014)

	-6.6 - -1.8
	-1.7 - 3.1
	3.2 - 7.8
	7.9 - 12.7
	12.8 - 17.5
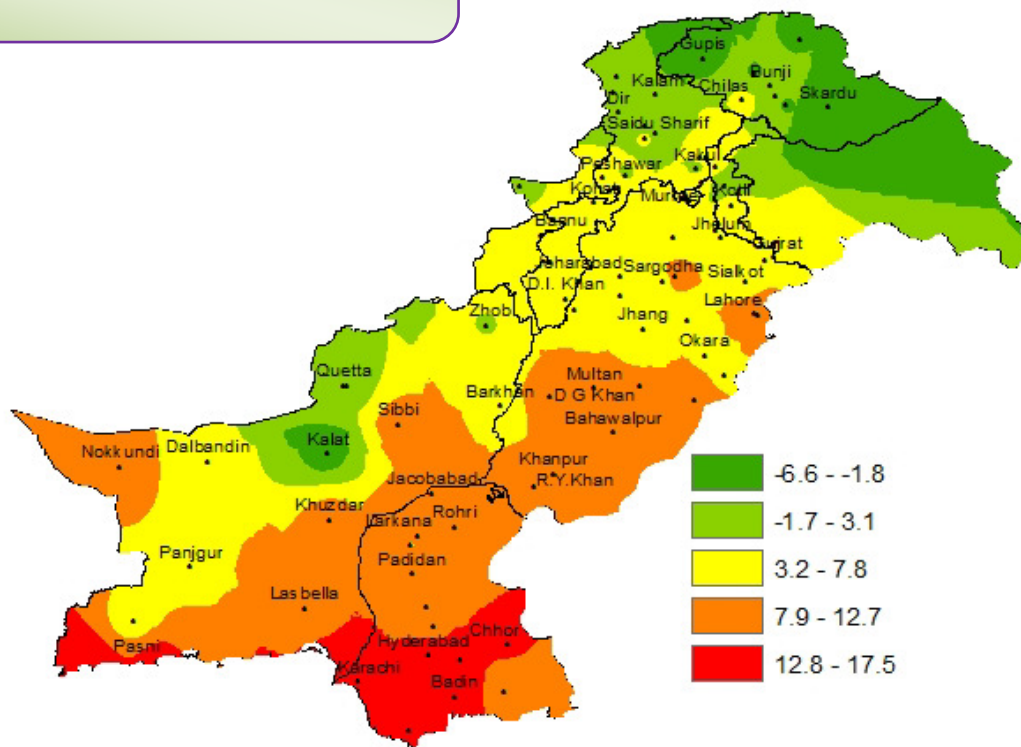
Mean Relative Humidity (%) during the Previous week (From 24th to 30th November, 2014)

13.4 - 26	
26.1 - 38.6	
38.7 - 51.2	
51.3 - 63.9	
64 - 76.5	
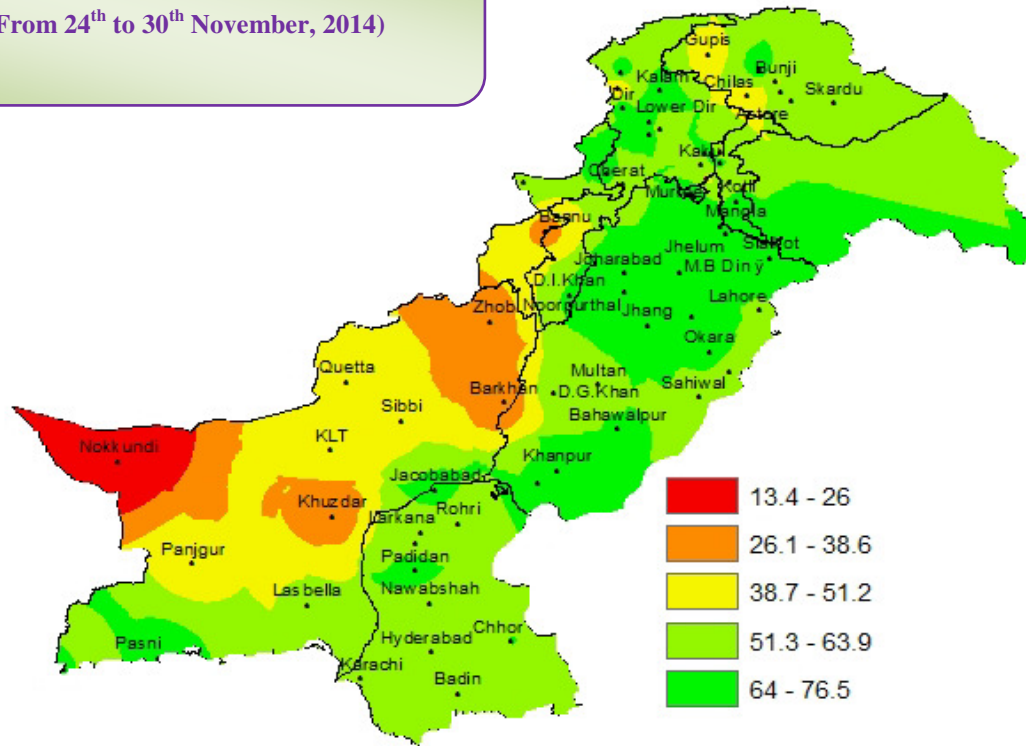
Total Growing Degree Days accumulated during the Previous week (From 24th to 30th November, 2014)

-11.4 - 18.9	
19 - 49.3	
49.4 - 79.6	
79.7 - 110.6	
110.7 - 140.3	
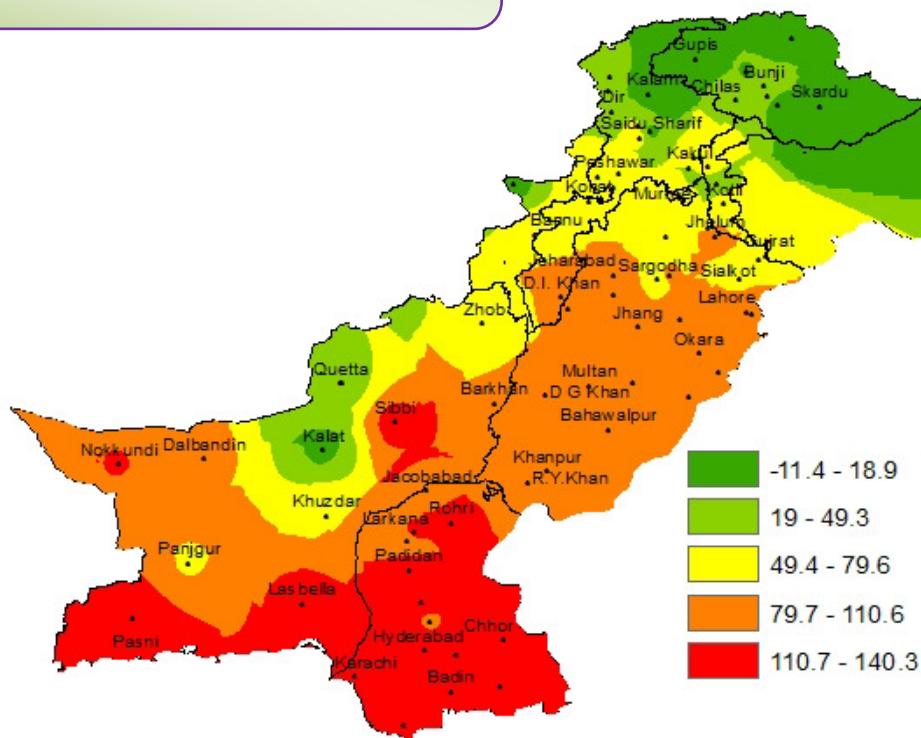
Mean Wind Speed (Knots) at 0800 PST during the Previous week (From 24th to 30th November, 2014)
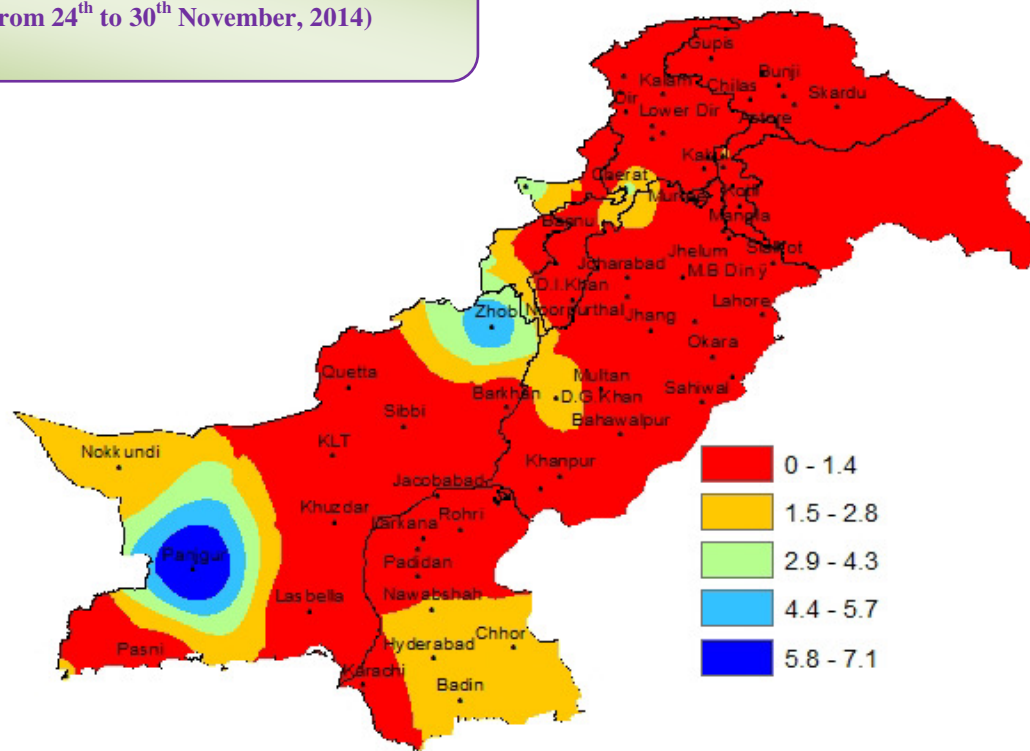
Mean Wind Speed (Knots) at 1700 PST during the Previous week (From 24th to 30th November, 2014)
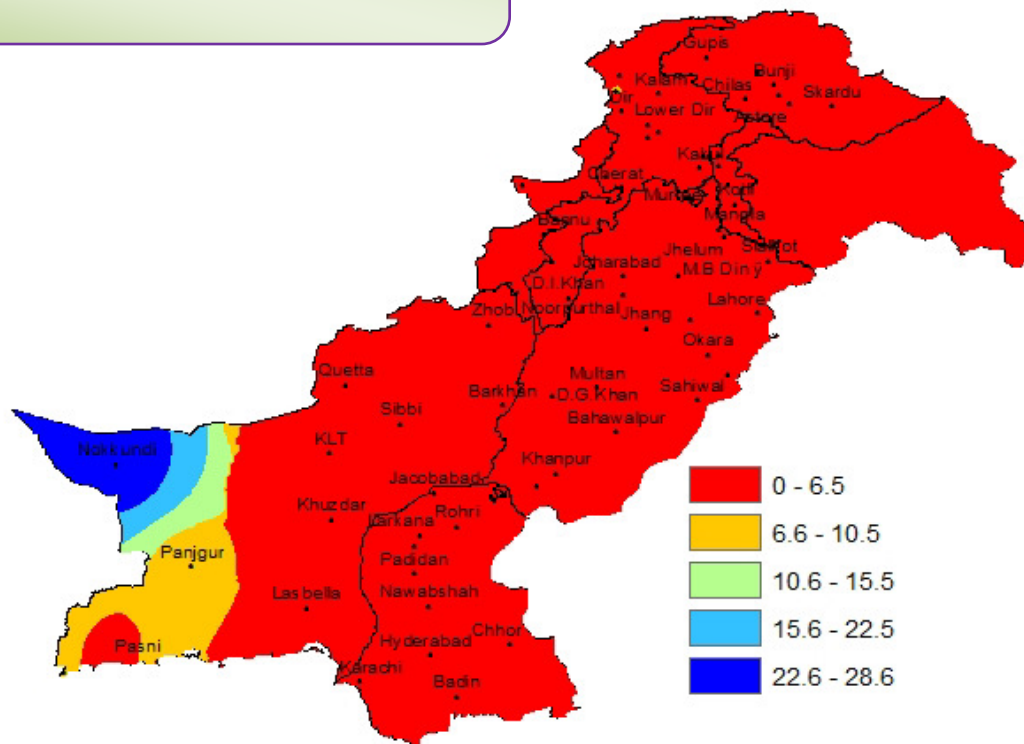
Mean Cloudiness (Oktas) at 0800PST during the Previous week (From 24th to 30th November, 2014)

	0 - 1
	1.1 - 2.1
	2.2 - 3.1
	3.2 - 4.1
	4.2 - 5.1
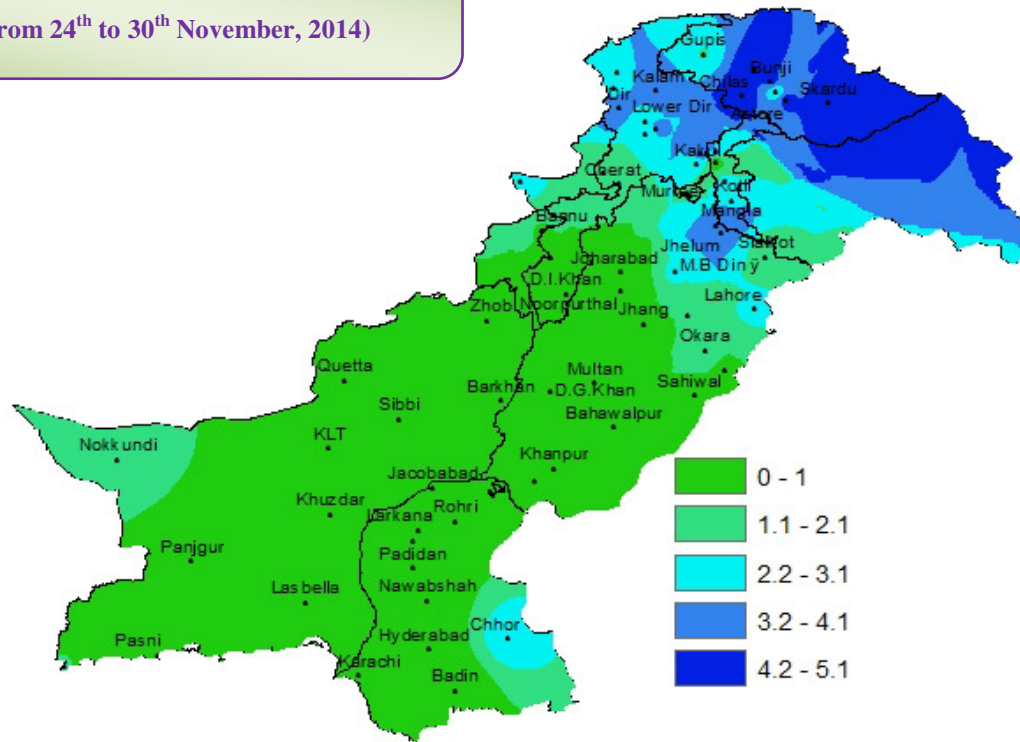
Mean Cloudiness (Oktas) at 1700PST during the Previous week (From 24th to 30th November, 2014)

	0 - 1.1
	1.2 - 2.2
	2.3 - 3.3
	3.4 - 4.5
	4.6 - 5.6

Page 8 of 12
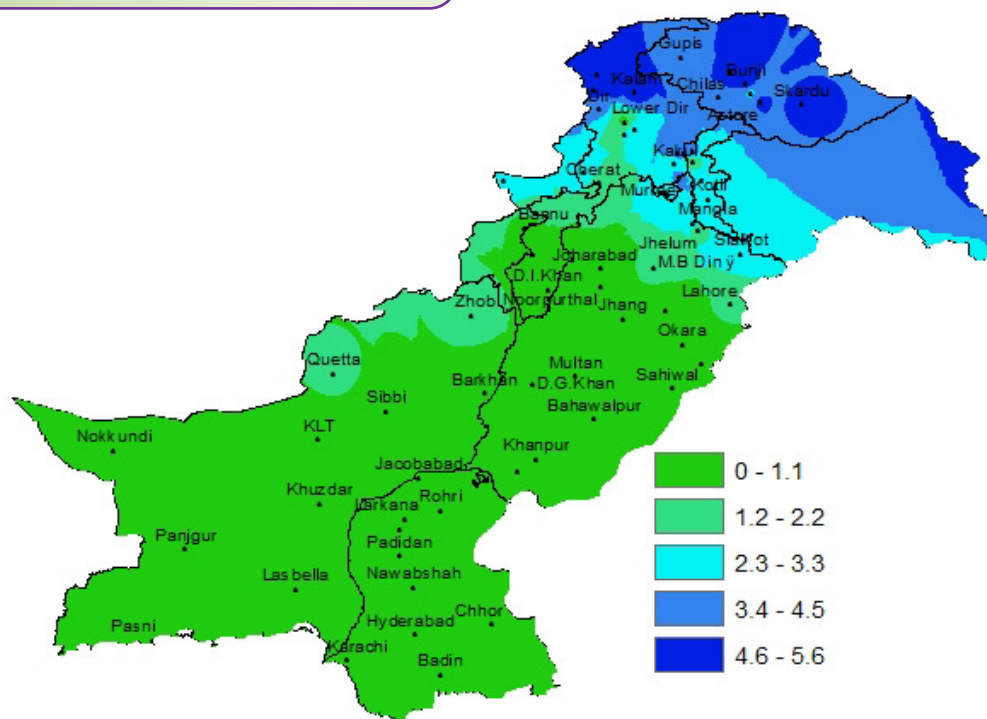
Weekly Weather Advisory for Farmers
(From 1st to 7th December, 2014)

Continental air would prevail over most parts of the country during the current week.

Days/Date Weather Outlook

Monday
01-12-2014
Mainly cold and dry weather is expected in the country.

Tuesday
02-12-2014
Mainly cold and dry weather is expected in the country.

Wednesday
03-12-2014
Mainly cold and dry weather is expected in the country.

Thursday
04-12-2014
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.

Friday
05-12-2014
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
06-12-2014
Mainly cold and dry weather is expected in the country.

Sunday
07-12-2014
Mainly cold and dry weather is expected in the country.

Advises for Crops

- Pest/viral attacks and more weeds growth are expected after heavy monsoon rains in sugarcane and other standing crops in upper parts of the country. Farmers are therefore advised to take in time precautionary measures in this regard.
- Farmers of cotton, sugarcane, rice and other standing crops are advised to be aware of the adverse effects of stagnant water in the fields Mechanism for drainage of stagnant water from fields should be evolved on priority basis and necessary requirements in this regard should be taken.

National Weather Data of Selected Cities

(Weekly Data From 24th to 30th November, 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	-0.9	-2.6	***	54	0.1	4.6	4.7	1.1	0.9
Badin	18.0	15.5	138.7	59	0.0	0.0	0.0	1.7	1.7
Bahawalnagar	12.0	10.0	106.6	62	0.0	0.9	0.0	0.0	0.6
Bahawalpur	11.1	9.8	100.5	65	0.0	0.0	0.0	0.3	0.3
Balakot	5.3	3.9	56.2	65	1.5	3.6	3.9	0.0	0.4
Bannu	6.0	5.0	75.2	35	0.0	1.0	0.9	0.9	1.4
Barkhan	8.1	6.0	83.9	30	0.0	0.0	0.0	0.0	1.1
Bunji	4.5	2.8	36.7	50	0.0	4.7	5.3	0.3	0.6
Cherat	8.9	8.0	57.1	56	0.0	1.7	1.1	3.1	2.0
Chhor	16.1	13.0	136.8	64	0.0	2.9	0.4	1.7	2.7
Chilas	5.0	4.0	41.0	46	0.0	5.0	3.9	0.3	1.7
Chitral	0.5	-1.5	23.1	69	0.0	3.0	5.1	0.3	0.0
D.G.Khan	12.0	10.0	99.4	56	0.0	0.0	0.3	2.6	1.7
D.I.Khan	7.3	6.0	81.1	64	0.0	0.0	0.4	0.0	0.6
Dir	0.7	-0.5	28.5	68	0.0	4.0	3.7	0.0	1.4
Drosh	1.6	1.0	26.2	39	0.0	2.6	4.9	0.9	7.4
Faisalabad	9.4	7.0	91.7	54	0.0	0.3	0.0	0.3	0.2
Garidopatta	4.9	4.5	67.5	66	0.0	0.0	1.1	0.0	0.0
Gawader	17.4	16.5	140.3	59	0.0	0.0	0.9	0.0	5.6
Gilgit	-0.9	-2.5	15.3	72	0.0	5.1	5.0	0.0	0.0
Gupis	-2.3	-3.0	***	46	0.0	2.0	3.4	0.9	1.1
Hyderabad	17.4	15.0	134.4	53	0.0	0.0	0.0	2.3	3.4

Islamabad	5.6	4.0	65.4	77	0.1	2.0	2.6	0.0	0.3
Jacobabad	11.4	10.0	103.9	66	0.0	0.0	0.0	0.0	0.0
Jhang	8.2	6.2	88.2	69	0.0	0.4	0.0	0.0	0.0
Jhelum	7.9	6.7	82.3	72	0.2	3.4	2.1	0.6	0.0
Jiwani	18.4	17.5	132.6	65	0.0	1.1	0.0	1.7	8.0
Joharabad	7.8	6.5	83.8	71	0.0	0.0	0.4	0.0	0.0
Kakul	4.2	2.5	49.1	55	0.1	2.7	2.9	0.0	0.0
Kalam	-0.4	-1.5	2.6	68	6.0	4.0	5.6	0.0	0.6
KLT	-1.5	-4.0	13.0	43	0.0	0.0	0.0	0.0	0.0
Karachi	18.4	16.5	139.0	63	0.0	1.0	0.3	0.3	5.4
Khanpur	10.2	8.0	98.9	68	0.0	0.0	0.0	0.0	0.9
Khuzdar	10.9	10.0	78.1	32	0.0	0.0	0.0	0.0	2.3
Kotli	6.2	4.9	71.6	67	0.1	3.0	2.9	1.0	0.0
Lahore	11.5	10.0	93.1	63	0.1	2.3	1.4	0.0	0.3
Larkana	13.1	11.5	114.9	59	0.0	0.0	0.0	1.1	0.9
Lasbella	12.6	11.0	121.9	54	0.0	0.0	0.6	0.0	3.7
Lower Dir	4.7	2.0	52.3	67	0.0	2.1	0.7	1.4	1.1
Malam Jabba	2.6	1.0	5.5	58	4.0	3.6	3.3	0.3	0.0
M.B Din	9.5	8.2	81.7	74	0.0	2.3	1.6	0.3	0.3
Mangla	7.4	6.7	79.1	64	0.1	3.6	2.3	0.0	0.0
Mir Khani	1.8	0.8	42.0	55	0.0	1.9	2.9	0.0	0.7
Moinjodaro	9.3	7.5	100.6	63	0.0	0.0	0.0	0.0	0.6
Multan	11.2	9.0	95.8	62	0.0	0.3	0.4	0.9	0.6
Murree	5.9	5.0	41.5	50	0.0	1.9	3.7	0.3	0.3
Muzaffarabad	4.7	3.4	55.6	70	0.2	3.0	3.4	0.3	0.4
Nokkundi	11.9	10.0	111.4	13	0.0	1.9	0.0	1.4	28.6

Noorpurthal	8.0	7.0	91.2	71	0.0	0.0	0.0	0.0	0.3
Okara	10.3	7.5	94.3	67	0.0	1.4	0.3	0.9	0.3
Padidan	13.9	12.0	117.0	66	0.0	0.0	0.0	0.6	2.0
Panjgur	8.8	6.5	76.8	44	0.0	0.0	0.0	7.1	8.0
Parachinar	1.9	1.6	7.4	63	1.0	2.6	3.3	3.6	3.6
Pasni	16.6	15.0	128.9	72	0.0	0.4	1.0	0.6	6.6
Peshawar	7.3	6.0	77.3	67	0.1	1.1	3.3	0.0	0.0
Quetta	5.3	3.6	51.7	34	0.0	1.4	2.0	1.5	2.6
Rahim Yar Khan	11.7	10.0	107.0	65	0.0	0.3	0.0	1.4	1.7
Rawalakot	1.0	-1.0	23.3	57	1.1	2.3	3.3	0.0	0.3
Rohri	14.0	12.0	114.4	60	0.0	0.0	0.0	0.3	0.0
Rawalpindi	4.8	3.0	64.4	63	0.1	2.7	1.6	0.2	0.4
Sahiwal	8.3	7.0	86.3	60	0.0	0.9	0.0	0.9	0.0
Saidu Sharif	4.4	3.8	62.7	66	0.0	2.4	2.3	0.0	0.3
Sialkot	8.5	7.7	77.7	77	0.1	1.3	2.7	0.0	0.0
Sibbi	13.3	11.0	125.5	45	0.0	0.0	0.0	0.0	0.0
Skardu	-4.6	-6.6	***	61	0.0	5.0	4.7	0.0	0.0
Tandojam	15.1	12.1	127.8	69	0.0	0.0	0.0	0.8	0.3
Usta.M	12.6	10.0	104.3	66	0.0	0.0	0.0	0.0	0.0
Zhob	3.6	3.0	56.1	32	0.0	0.3	1.7	5.0	5.0

*"*** " Shows that data was not available.*