

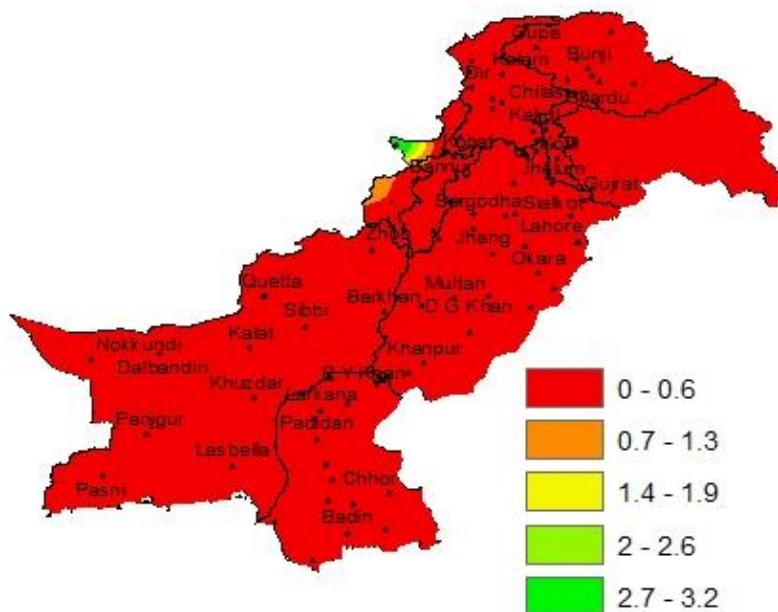
Weekly Weather and Crop Bulletin for Pakistan

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Rainfall Distribution (mm) during the
Previous Week (From 16th to 22nd Nov, 2015)



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Highlights of Past Weather (From 16th to 22nd Nov, 2015)

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 and Sindh.
- Light rainfall reported from single places in Khyber Pakhtunkhwa and Balochistan.

Past Weather of Provinces (From 16th to 22nd Nov, 2015)**Punjab**

Dry weather was reported in Punjab during the week. Weekly maximum and minimum temperatures recorded 27.5°C & 10.4°C respectively. For the present season average 97.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 62% and wind speed in the morning/evening 0.3/0.6 Knots. During the previous week the lowest minimum temperature was recorded 6.0°C at Murree.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 30.7°C & 15.1°C respectively. For the present season average 129.8 growing degree days accumulated by the end of last week. Average relative humidity recorded 52% and wind speed in the morning/evening recorded 1.2/2.3 Knots. During the previous week the lowest minimum temperature was recorded 7.8°C at Mithi.

Gilgit-Baltistan and Azad Jammu & Kashmir

Dry weather was reported in Gilgit-Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 17.3°C & 3.1°C respectively. For the present season average 46.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 57% and wind speed in the morning/evening recorded 1.5/1.7 knot. During the previous week the lowest minimum temperature was recorded -4.2°C at Skardu.

Balochistan

Light rainfall reported at an isolated place in Balochistan during the week. Weekly maximum and minimum temperatures recorded 27.0°C & 9.4°C respectively. For the present season average 98.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 42% and wind speed in the morning/evening recorded 1.6/3.3 Knots. During the previous week the highest amount of rainfall was recorded 0.1mm at Quetta & lowest minimum temperature was recorded -7.5°C at Kalat.

Khyber Pakhtunkhwa

Light rainfall reported at an isolated place in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 20.4°C & 5.4°C respectively. For the present season average 60.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 60% and wind speed in the morning/evening recorded 0.8/1.5 Knots. During the previous week the highest amount of rainfall was recorded 3.2 mm at Parachinar minimum temperature was recorded -3.6°C at Parachinar.

**Past Weather for Major Agricultural Plains
(From 16th to 22nd Nov, 2015)****Rawalpindi (Potohar region)**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.3/1.4Oktas while, average relative humidity observed as 71%. Mean night time temperature recorded 8.8°C & for the present season 81.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.6/1.3Oktas while, average relative humidity observed as 64%. Mean night time temperature recorded 9.6°C & for the present season 97.4growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.2/0.0 Knots.

Quetta (Northern Balochistan)

Rainfall reported as “Trace” (rain occurred but not measurable) during the week; however cloudiness in the morning/evening recorded 1.1/1.4Oktas while, average relative humidity observed as 28%. Mean night time temperature recorded 5.6°C & for the present season 54.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.9/3.1 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.0Oktas while, average relative humidity observed as 57%. Mean night time temperature recorded 12.5°C & for the present season 113.8growing 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 51%. Mean night time temperature recorded 13.6°C & for the present season 118.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 1.1/2.3 Knots.

**Past Weather for Sub-Regional Agricultural
Plains (From 16th to 22nd Nov, 2015)****Multan**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.3/1.4Oktas while, average relative humidity observed as 60%. Mean night time temperature recorded 12.2°C & for the present season 107.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.6 Knots.

Lahore

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.7/1.3 Oktas while, average relative humidity observed as 57%. Mean night time temperature recorded 11.5°C & for the present season 100.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.1 Knots.

Zhob

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.3/0.0Oktas while, average relative humidity observed as 36%. Mean night time temperature recorded 5.8°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 4.2/3.6 Knots.

D.I. Khan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.0Oktas while, average relative humidity observed as 68%. Mean night time temperature recorded 8.6°C & for the present season 103.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.9 Knots.

Peshawar

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.8/2.7 Oktas while, average relative humidity observed as 73%. Mean night time temperature recorded 9.1°C & for the present season 90.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 0.3/0.9Knots.

Murree

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.3/2.7Oktas while, average relative humidity observed as 44%. Mean night time temperature recorded 8.0°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 0.7/0.0Knots.

Kalam

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.8/3.9Oktas while, average relative humidity observed as 59%. Mean night time temperature recorded -0.8°C & for the present season 23.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

Gilgit

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.8/4.0 Oktas while, average relative

humidity observed as 69%. Mean night time temperature recorded 0.7°C & for the present season 34.8 growing degree days accumulated 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 1.3/4.6 Oktas while, average relative humidity observed as 65%. Mean night time temperature recorded -2.6°C & for the present season -3.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

Crop Situation for Major Agricultural Plains
(Based on Data from Regional Agromet Centers)

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 *Emergence* stage.

Lower Sindh (Tandojam)

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

Northern Balochistan (Quetta)

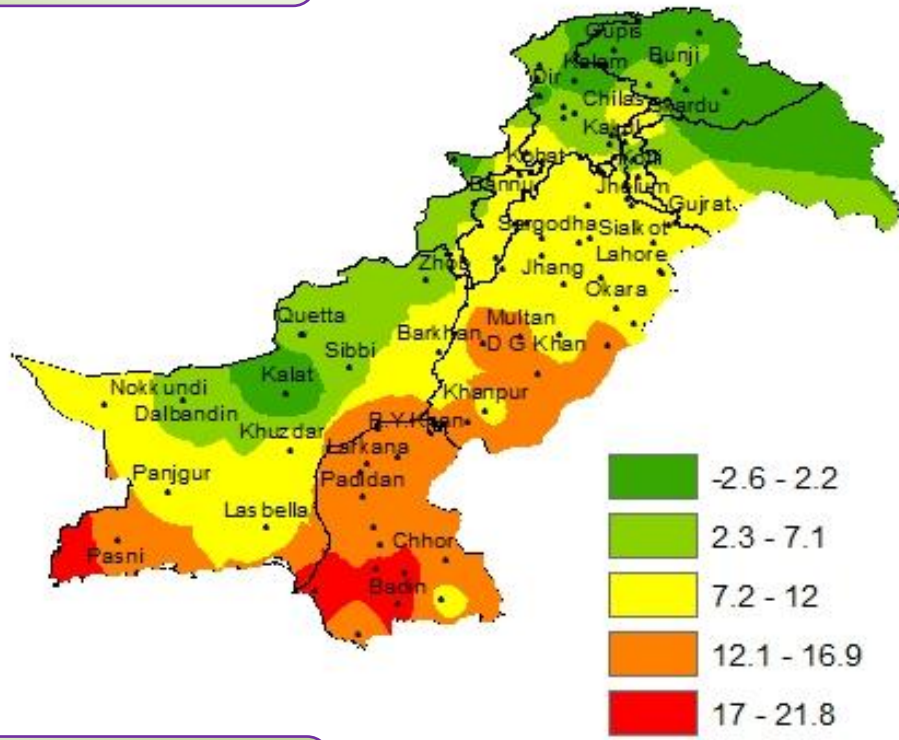
There is presently no crop grown in the fields of RAMC Quetta.

Eastern Balochistan (Usta Muhammad)

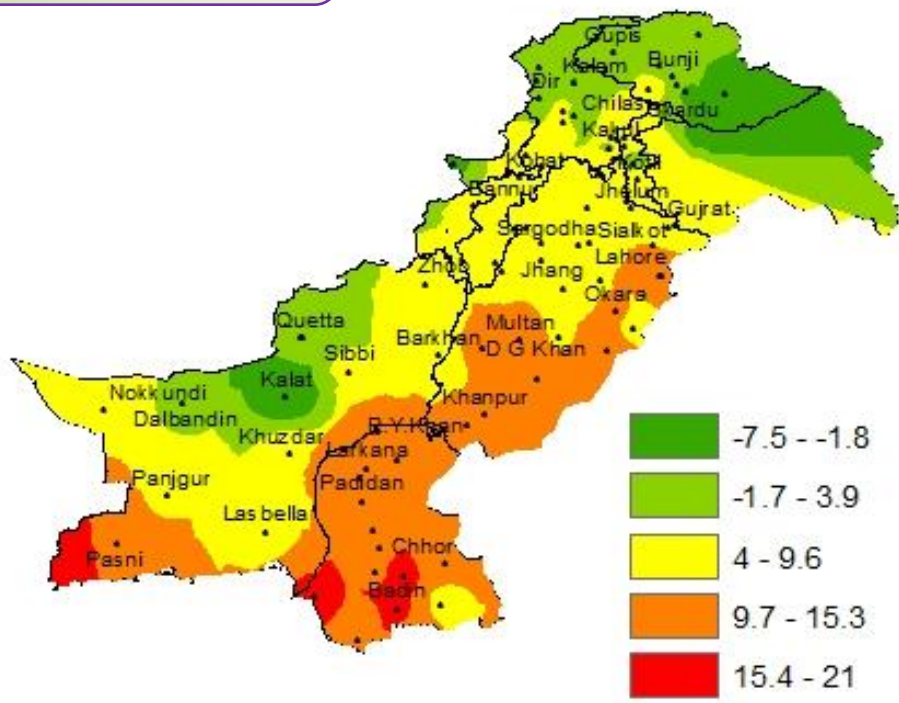
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Rice: Good condition at *Full Maturity* stage.

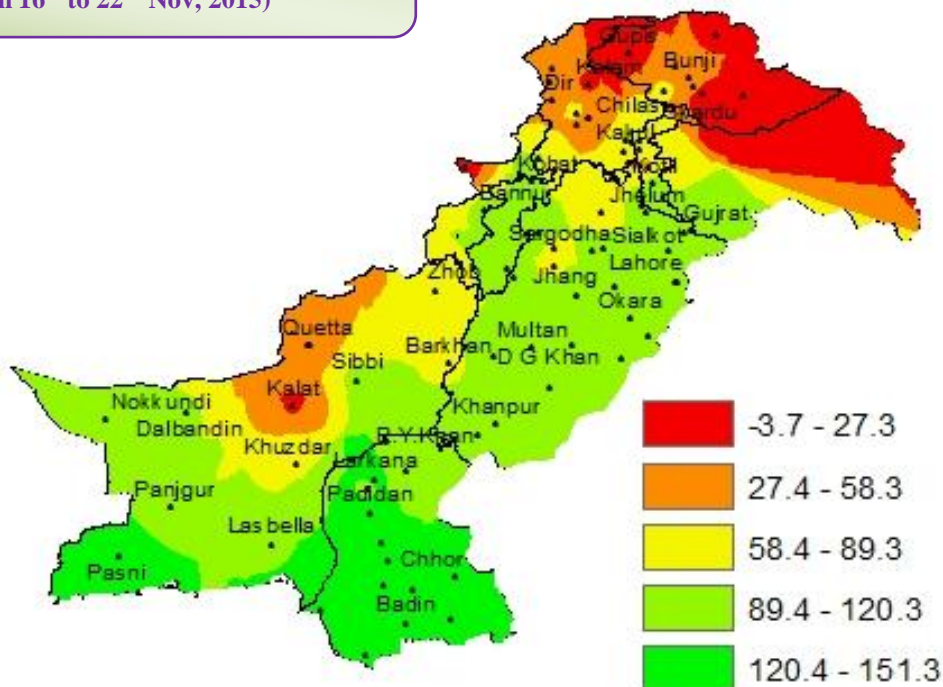
Mean Minimum Temperature (°C) during the Previous Week (From 16th to 22nd Nov, 2015)



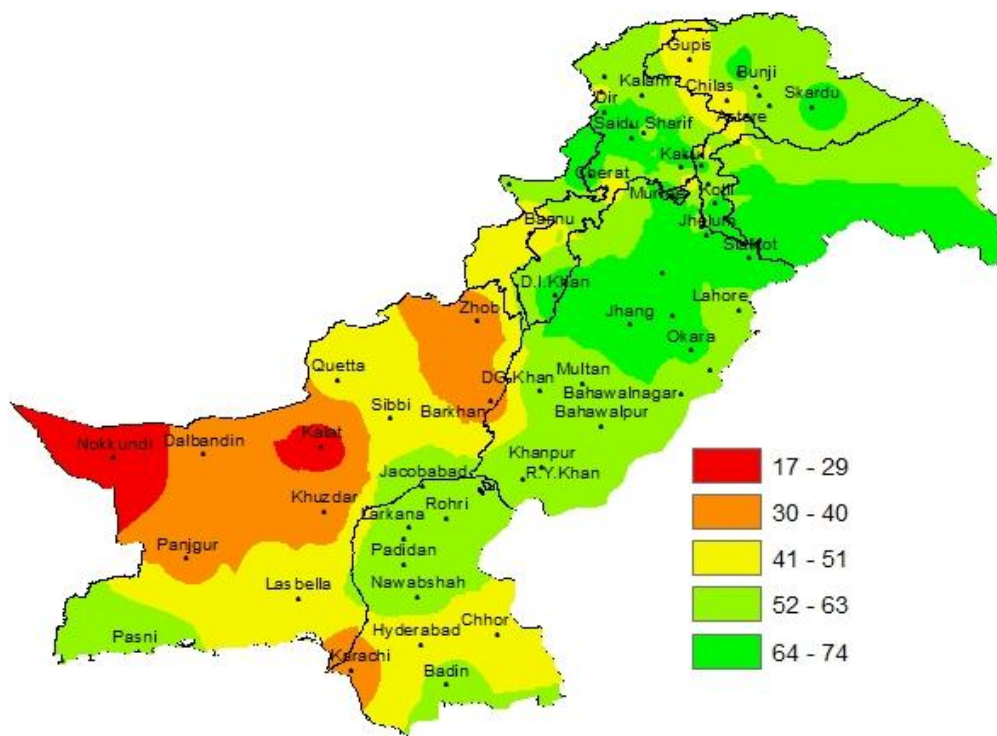
Lowest Minimum Temperature (°C) during the Previous Week (From 16th to 22nd Nov, 2015)



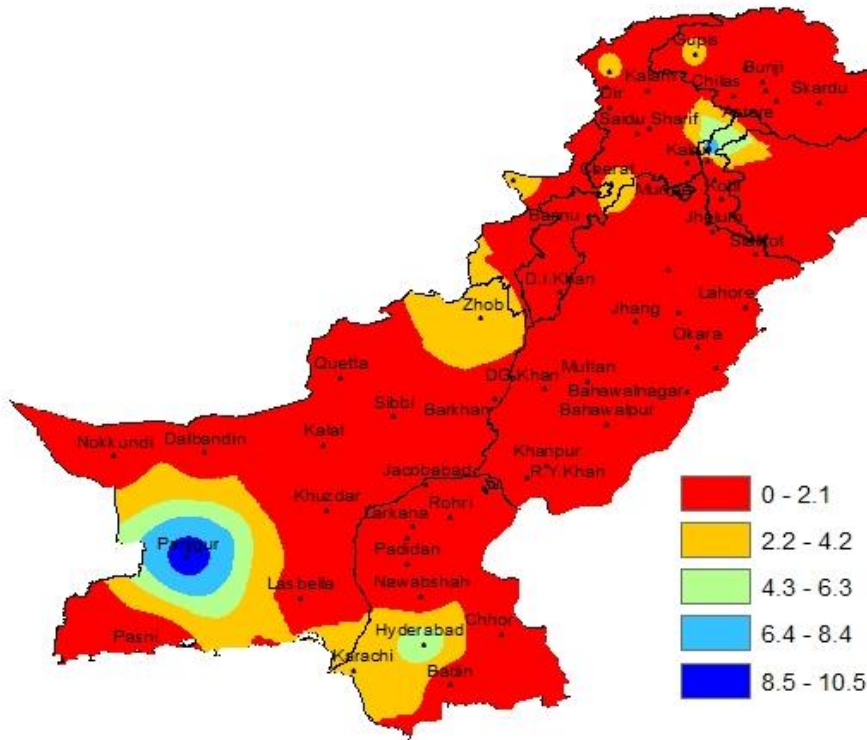
Total Growing Degree Days accumulated during the Previous Week (From 16th to 22nd Nov, 2015)



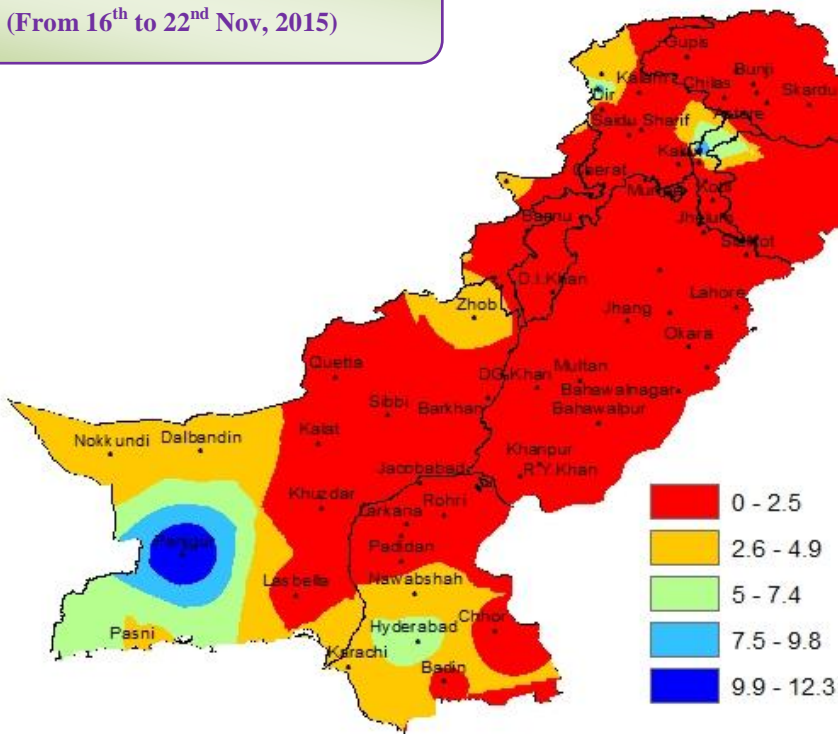
Mean Relative Humidity (%) during the Previous Week (From 16th to 22nd Nov, 2015)



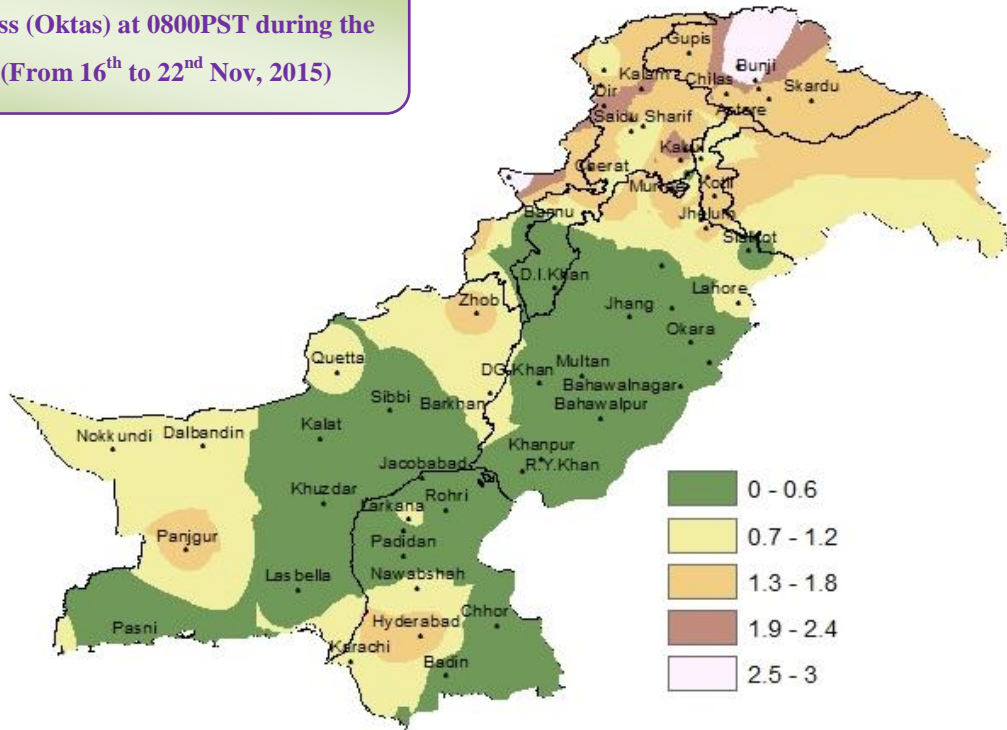
Mean Wind Speed (Knots) at 0800 PST during the Previous Week (From 16th to 22nd Nov, 2015)



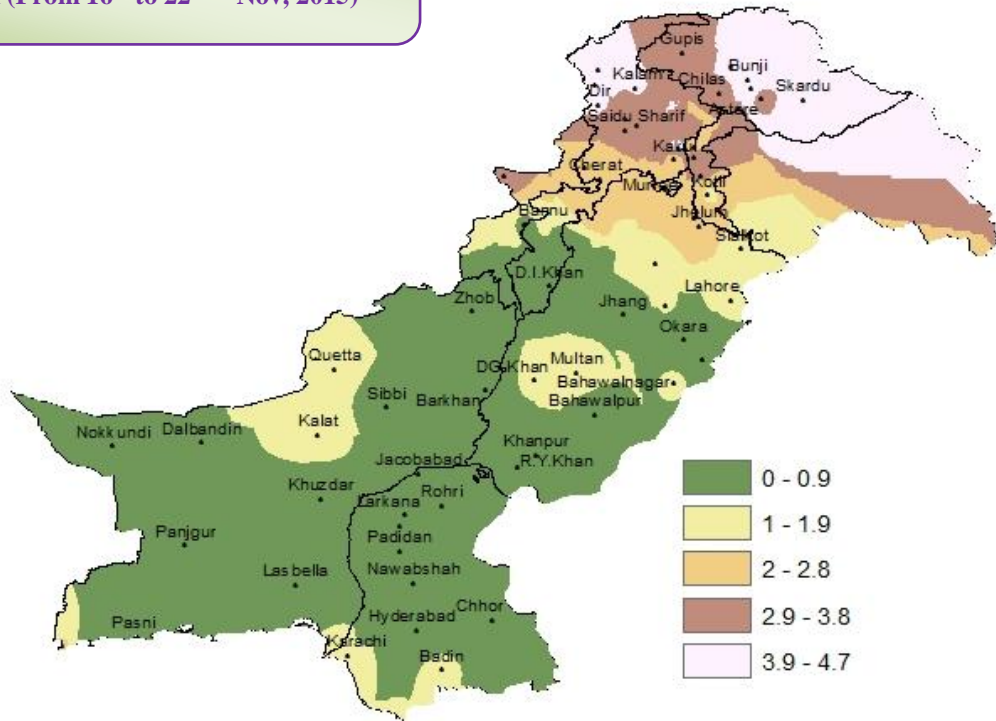
Mean Wind Speed (Knots) at 1700 PST during the Previous Week (From 16th to 22nd Nov, 2015)



Mean Cloudiness (Oktas) at 0800PST during the Previous Week (From 16th to 22nd Nov, 2015)



Mean Cloudiness (Oktas) at 1700PST during the Previous Week (From 16th to 22nd Nov, 2015)



Weekly Weather Advisory for Farmers
(From 23rd to 28th November, 2015)

Western disturbance is prevailing over western and upper parts of the and likely to persist during next few days.

MONDAY

23-11-2015

Mainly dry weather is expected in most parts of the country. However, Cold & partly cloudy to cloudy weather is expected in upper KP, upper Punjab, upper FATA, Gilgit-Baltistan, north Balochistan and Kashmir. Rain-thunderstorm may occur at isolated places in Malakand, Kohat, Hazara, Peshawar, Zhob divisions, upper FATA, Gilgit-Baltistan and Kashmir.

TUESDAY

24-11-2015

Mainly dry weather is expected in most parts of the country. However, Cold & partly cloudy to cloudy weather is expected in upper KP, upper Punjab, upper FATA, Gilgit-Baltistan and Kashmir. However, rain-thunderstorm with snow over hills is expected at isolated places in upper KP (Malakand, Hazara, Peshawar, Mardan divisions), upper FATA, Gilgit-Baltistan and Kashmir.

WEDNESDAY

25-11-2015

Mainly dry weather is expected in most parts of the country. However, Cold & partly cloudy to cloudy weather is expected in upper KP, upper Punjab, upper FATA, Gilgit-Baltistan and Kashmir. However, rain-thunderstorm with snow over hills is expected at isolated places in Malakand, Hazara, divisions, upper FATA, Gilgit-Baltistan and Kashmir.

THURSDAY

26-11-2015

Mainly dry weather is expected in most parts of the country. However partly cloudy weather is likely in upper KP, Gilgit-Baltistan and Kashmir. Rain-thunderstorm with snow over hills is expected at few places in Malakand, Hazara divisions and Gilgit-Baltistan.

FRIDAY

27-11-2015

Mainly dry weather is expected in most parts of the country. However partly cloudy weather is likely in

Malakand, Mirpurkhas divisions, Gilgit-Baltistan and Kashmir Very cold weather is expected in most hilly areas including earthquake affected areas of Khyber Pakhtunkhwa and Gilgit-Baltistan.

SATURDAY

28-11-2015

Mainly dry weather is expected in most parts of the country. Very cold weather is expected in most hilly areas including earthquake affected areas of Khyber Pakhtunkhwa and Gilgit-Baltistan.

ADVISES FOR CROPS

- ❖ Light to moderate rainfall is expected in different parts of country excluding Sindh during this decade.
- ❖ Farmers are advised to cultivate winter vegetables in time so that present soil moisture may fully be utilized.
- ❖ Farmers are advised to take in time precautionary measures to protect livestock from expected dry/cold weather during the decade.
- ❖ Farmers of cotton crop areas are advised to prepare their field for incoming rabi crops and complete sowing in time.
- ❖ Farmers of rainfed areas are advised to sow their rabi crops during November. After this, yield of wheat crop decreases gradually. Farmers of irrigated areas of Punjab, Sindh and KPK are advised to complete sowing of wheat crop in the month of November. Late varieties may be cultivated in December.
- ❖ Farmers of rainfed areas of K.P & Punjab are advised to complete cultivation of Rabi crops as soon as possible. The status of soil moisture is very suitable after rains in the season.

National Weather Data of Selected Cities
(Weekly Data from 16th to 22nd Nov, 2015)

Stations	Minimum/Night 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	-2.0	-4.0	5.4	55	0.0	1.5	3.4	1.0	1.1
Badin	17.9	16.0	141.5	56	0.0	0.3	1.0	1.0	2.0
Bahawalnagar	13.8	13.0	115.5	62	0.0	0.0	1.1	0.0	1.4
Bahawalpur	13.0	12.3	115.9	62	0.0	0.3	0.4	0.0	0.0
Balakot	6.0	5.0	75.7	68	0.0	2.2	4.7	0.3	0.0
Bannu	6.4	6.0	98.1	46	0.0	0.3	0.9	0.7	0.9
Barkhan	8.6	6.5	82.3	35	0.0	0.8	0.0	1.3	0.0
Bunji	5.0	3.9	47.5	50	0.0	3.0	4.7	0.7	0.0
Cherat	9.3	8.5	70.3	43	0.0	1.0	2.0	3.3	1.4
Chhor	12.4	10.0	136.9	48	0.0	0.0	0.6	0.3	1.7
Chilas	7.2	6.5	63.0	42	0.0	1.5	3.1	0.3	0.3
Chitral	4.4	2.5	44.3	61	0.0	0.8	4.3	2.7	2.9
D.I.Khan	8.6	8.0	103.4	68	0.0	0.0	0.0	0.3	0.9
Dalbandin	4.8	2.0	90.8	33	0.0	1.0	0.9	1.3	4.0
DG.Khan	13.4	11.6	109.2	58	0.0	0.2	1.1	0.7	1.7
Dir	0.1	-0.1	38.2	68	0.0	2.0	3.9	0.0	1.1
Drosh	4.0	2.0	43.3	46	0.0	1.7	4.0	1.0	8.3
Faisalabad	9.6	8.5	97.4	64	0.0	0.6	1.3	0.2	0.0
Garidopatta	6.6	6.0	77.7	72	0.0	0.6	1.3	0.2	0.0
Gawader	17.2	15.5	134.8	56	0.0	0.0	0.3	0.0	5.7
Gilgit	0.7	-0.5	34.8	69	0.0	2.8	4.0	0.0	0.0

Gupis	-0.7	-1.5	12.0	45	0.0	1.3	3.0	2.3	1.4
Hyderabad	17.6	14.5	137.7	43	0.0	1.7	0.7	5.3	6.6
Islamabad	7.1	6.0	79.7	73	0.0	1.5	2.3	0.0	0.3
Jacobabad	14.1	12.5	119.8	56	0.0	0.0	0.1	0.0	1.7
Jhang	9.0	8.0	98.1	68	0.0	0.5	0.6	0.0	0.0
Jhelum	9.9	8.3	95.1	69	0.0	1.3	2.1	0.0	0.3
Jiwani	21.9	21.0	149.0	57	0.0	1.2	2.0	1.7	5.4
Joharabad	8.7	8.0	86.0	**	0.0	1.5	**	1.5	**
Kakul	4.1	3.0	61.3	63	0.0	1.8	2.3	0.0	0.3
Kalam	-0.8	-2.0	23.5	59	0.0	1.8	3.9	0.0	0.3
Kalat	-2.3	-7.5	25.3	24	0.0	0.0	1.3	0.0	2.3
Karachi	18.2	16.5	151.4	35	0.0	1.2	1.0	2.7	4.3
Khanpur	11.5	10.2	108.1	59	0.0	0.5	0.0	0.0	0.6
Khuzdar	9.1	8.5	86.5	35	0.0	0.0	0.4	0.0	1.7
Kotli	9.6	8.4	98.9	65	0.0	1.5	1.7	0.5	1.1
Lahore	11.5	11.0	100.4	57	0.0	0.7	1.3	0.0	1.1
Larkana	15.8	14.5	127.5	56	0.0	1.0	0.3	1.3	1.1
Lasbella	10.4	7.0	116.3	47	0.0	0.3	0.9	1.7	1.7
Lower Dir	7.2	5.5	69.3	75	0.0	2.0	2.9	0.3	1.1
M.B Din	10.9	9.5	92.4	65	0.0	0.5	1.3	1.0	0.9
Malam Jabba	1.7	1.0	22.3	58	0.0	1.0	3.3	0.0	0.3
Mangla	9.2	7.2	90.4	59	0.0	1.0	2.7	0.7	0.9
Mir Khani	2.3	1.5	39.4	59	0.0	1.2	4.1	0.0	1.1
Moinjodaro	14.1	12.0	116.0	56	0.0	0.0	0.3	0.0	1.4
Multan	12.2	11.5	107.4	60	0.0	0.3	1.4	0.0	0.6
Murree	8.0	6.0	56.9	44	0.0	0.3	2.7	0.7	0.0

Muzaffarabad	7.0	6.5	75.2	71	0.0	1.3	2.4	0.7	0.0
Nawabshah	14.0	12.0	128.8	54	0.0	0.8	0.1	1.3	3.7
Nokkundi	12.0	9.0	101.0	17	0.0	0.8	0.9	1.3	2.6
Okara	11.2	10.2	104.2	63	0.0	0.5	0.0	0.0	0.0
Padidan	13.6	12.0	126.3	59	0.0	0.3	0.0	0.3	2.0
Panjgur	8.9	8.0	89.8	37	0.0	1.3	0.3	9.0	11.4
Parachinar	-2.5	-3.6	9.5	52	3.2	3.0	3.7	3.0	3.3
Pasni	16.4	15.0	137.0	57	0.0	0.0	0.0	0.7	4.3
Pattan	12.1	8.0	90.5	37	0.0	0.7	2.4	11.0	12.9
Peshawar	9.1	8.0	90.0	73	0.0	1.8	2.7	0.3	0.9
Quetta	5.6	2.0	54.1	28	0.1	1.1	1.4	1.9	3.1
R.Y.Khan	13.0	11.2	116.9	59	0.0	0.5	0.0	0.0	0.0
Rawalakot	2.0	0.6	55.7	56	0.0	1.7	3.0	0.0	1.1
Rawalpindi	8.8	8.6	81.7	71	0.0	1.3	1.4	0.0	0.3
Sahiwal	10.2	8.0	97.9	62	0.0	0.0	0.0	0.0	0.6
Saidu Sharif	6.6	6.0	57.9	68	0.0	0.8	3.0	0.0	0.0
Sialkot	10.7	9.3	93.7	74	0.0	0.5	1.3	0.0	0.6
Sibbi	6.3	5.5	97.0	45	0.0	0.0	0.6	0.0	0.0
Skardu	-2.6	-4.2	-3.7	65	0.0	1.3	4.6	0.0	0.3
Tandojam	13.6	11.5	118.8	51	0.0	0.0	0.0	1.1	2.3
Usta.M	12.5	11.5	113.8	57	0.0	0.0	0.0	0.0	0.0
Zhob	5.8	5.0	65.0	36	0.0	1.3	0.0	4.2	3.6

*** Shows the data is not available.