

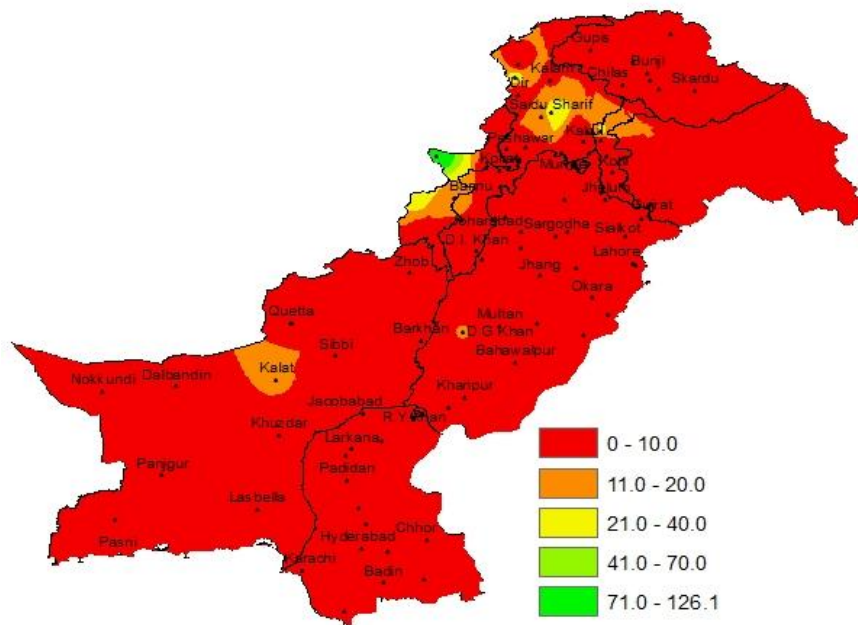
Weekly Weather and Crop Bulletin for Pakistan

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

Phone: +92-51-9250592

Email: dirnamc@yahoo.com

**Rainfall Distribution (mm) during the
Previous Week (From 9th to 15th Nov, 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: Dr. Ghulam Rasul (Director General)

Chief Editor: Ch. Muhammad Aslam (Director)

Editor: Asma Jawad Hashmi (Deputy Director)

Highlights of Past Weather (From 9th to 15th 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:

- Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa, Punjab Gilgit-Baltistan & Kashmir regions and Balochistan.
- Dry weather was reported in Sindh.

Past Weather of Provinces (From 9th to 15th Nov, 2015)

Punjab

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 25.9°C & 13.0°C respectively. For the present season average 101.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 68% and wind speed in the morning/evening 0.8/2.0 Knots. During the previous week the highest amount of rainfall was recorded 19.0 mm at Murree & lowest minimum temperature was recorded 5.4°C at Murree.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 31.2°C & 16.8°C respectively. For the present season average 130.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 58% and wind speed in the morning/evening recorded 1.4/2.7 Knots. During the previous week the lowest minimum temperature was recorded 12.5°C at Mithi.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light to moderate rainfall reported at many places in Gilgit-Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 15.0°C & 5.0°C respectively. For the present season average 37.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 71% and wind speed in the morning/evening recorded 0.7/1.0 knot. During the previous week the highest amount of rainfall was recorded 33.9 mm at Muzaffarabad & lowest minimum temperature was recorded -0.6°C at Skardu.

Balochistan

Light to moderate rainfall reported at many places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 26.8°C & 12.5°C respectively. For the present season average 108.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 55% and wind speed in the morning/evening recorded 0.9/4.9 Knots. During the previous week the highest amount of rainfall was recorded 25.0mm at Quetta & lowest minimum temperature was recorded -1.5°C at Kalat.

Khyber Pakhtunkhwa

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 17.1°C & 6.8°C respectively. For the present season average 47.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 73% and wind speed in the morning/evening recorded 0.8/1.4 Knots. During the previous week the highest amount of rainfall was recorded 126.8 mm at Parachinar minimum temperature was recorded -3.8°C at Parachinar.

**Past Weather for Major Agricultural Plains
(From 9th to 15th Nov, 2015)****Rawalpindi (Potohar region)**

Rainfall reported as 1.2mm during the week; however cloudiness in the morning/evening recorded 3.0/3.1Oktas while, average relative humidity observed as 77%. Mean night time temperature recorded 11.1°C & for the present season 79.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.2 Knots.

Faisalabad (Central Punjab)

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 3.9/2.1Oktas while, average relative humidity observed as 73%. Mean night time temperature recorded 13.6°C & for the present season 106.1growing 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 24.5mm during the week; however cloudiness in the morning/evening recorded 5.0/4.3 Oktas while, average relative humidity observed as 61%. Mean night time temperature recorded 8.2°C & for the present season 56.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/2.2 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 59%. Mean night time temperature recorded 15.4°C & for the present season 121.0growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.6Knots.

Tandojam (Lower Sindh)

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 62%. Mean night time temperature recorded 16.1°C & for the present season 129.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 0.5/0.5 Knots.

**Past Weather for Sub-Regional Agricultural
Plains (From 9th to 15th Nov, 2015)****Multan**

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 2.3/3.6Oktas while, average relative humidity observed as 63%. Mean night time temperature recorded 15.2°C & for the present season 111.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/2.6 Knots.

Rohri

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.4/0.6Oktas while, average relative humidity observed as 57%. Wind speed recorded in the morning/evening as 1.9/1.7 Knots.

Lahore

Rainfall reported as 0.4mm during the week; however cloudiness in the morning/evening recorded 5.0/2.9 Oktas while, average relative humidity observed as 62%. Mean night time temperature recorded 14.9°C & for the present season 109.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.4 Knots.

Zhob

Rainfall reported as 3.0mm during the week; however cloudiness in the morning/evening recorded 3.1/4.0 Oktas while, average relative humidity observed as 62%. Mean night time temperature recorded 8.7°C & for the present season 70.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.3/6.7 Knots.

D.I. Khan

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 3.9/2.1 Oktas while, average relative humidity observed as 73%. Mean night time temperature recorded 13.6°C & for the present season 106.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/0.3 Knots.

Peshawar

Rainfall reported as 8.0mm during the week; however cloudiness in the morning/evening recorded 5.4/4.1 Oktas while, average relative humidity observed as 77%. Mean night time temperature recorded 12.0°C & for the present season 82.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 0.6/1.4Knots.

Murree

Rainfall reported as 19.0mm during the week; however cloudiness in the morning/evening recorded 3.4/5.4Oktas while, average relative humidity observed as 61%. Mean night time temperature recorded 6.1°C & for the present season 39.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/1.7Knots.

Kalam

Rainfall reported as 20.2mm during the week; however cloudiness in the morning/evening recorded 6.1/6.3 Oktas while, average relative humidity observed as 76%. Mean night time temperature recorded 0.4°C & for the present season -2.0 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 6.6/6.7 Oktas while, average relative humidity observed as 75%. Mean night time temperature recorded 4.7°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 0.0/0.4 Knots.

Skardu

Rainfall reported as 16.3mm during the week; however cloudiness in the morning/evening recorded 6.7/6.1 Oktas while, average relative humidity observed as 71%. Mean night time temperature recorded 1.9°C & for the present season 13.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.0 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 no crop grown in the fields of RAMC Faisalabad.

Lower Sindh (Tandojam)

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

Northern Balochistan (Quetta)

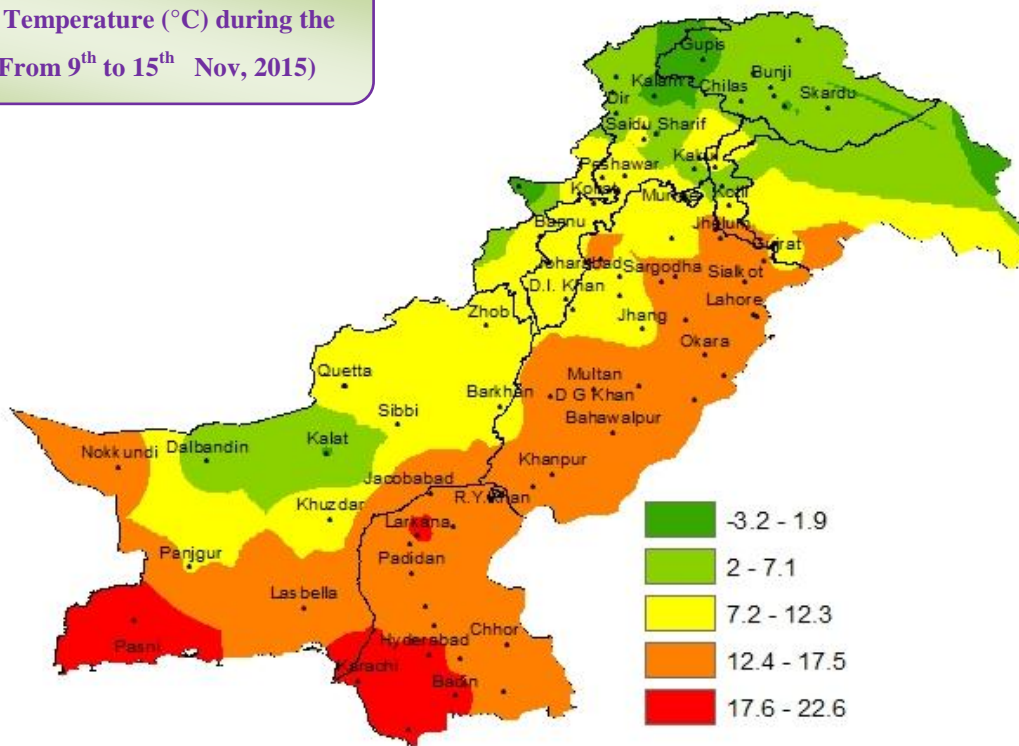
There is presently no crop grown in the fields of RAMC Quetta.

Eastern Balochistan (Usta Muhammad)

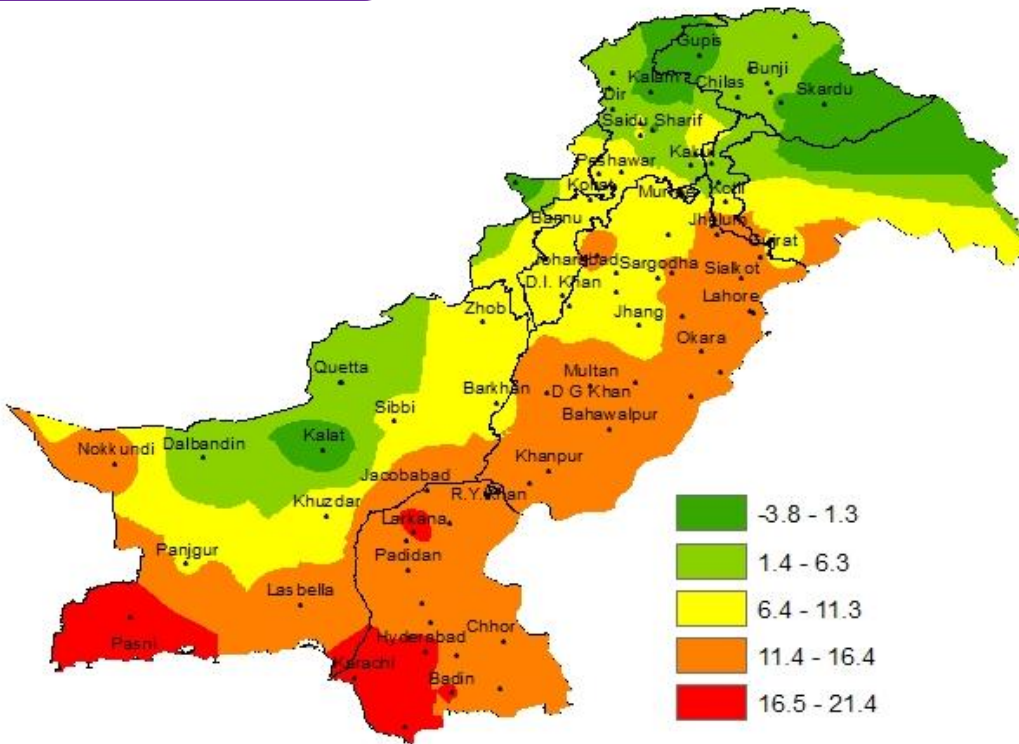
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Rice: Good condition at *Full Maturity* stage.

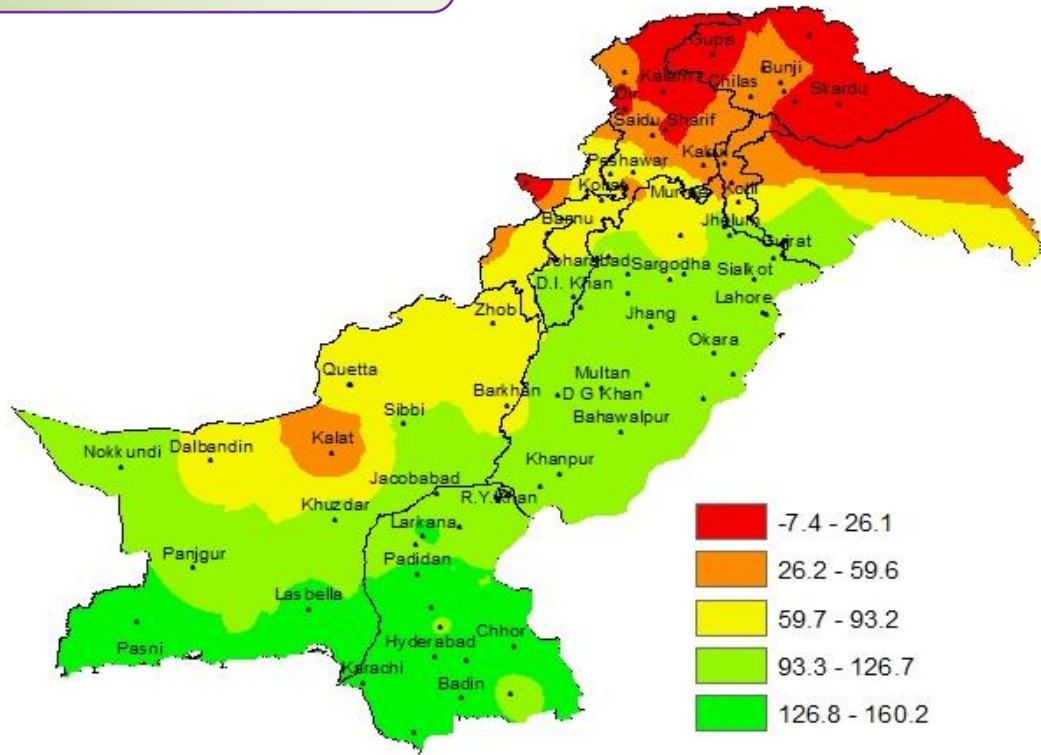
Mean Minimum Temperature (°C) during the Previous Week (From 9th to 15th Nov, 2015)



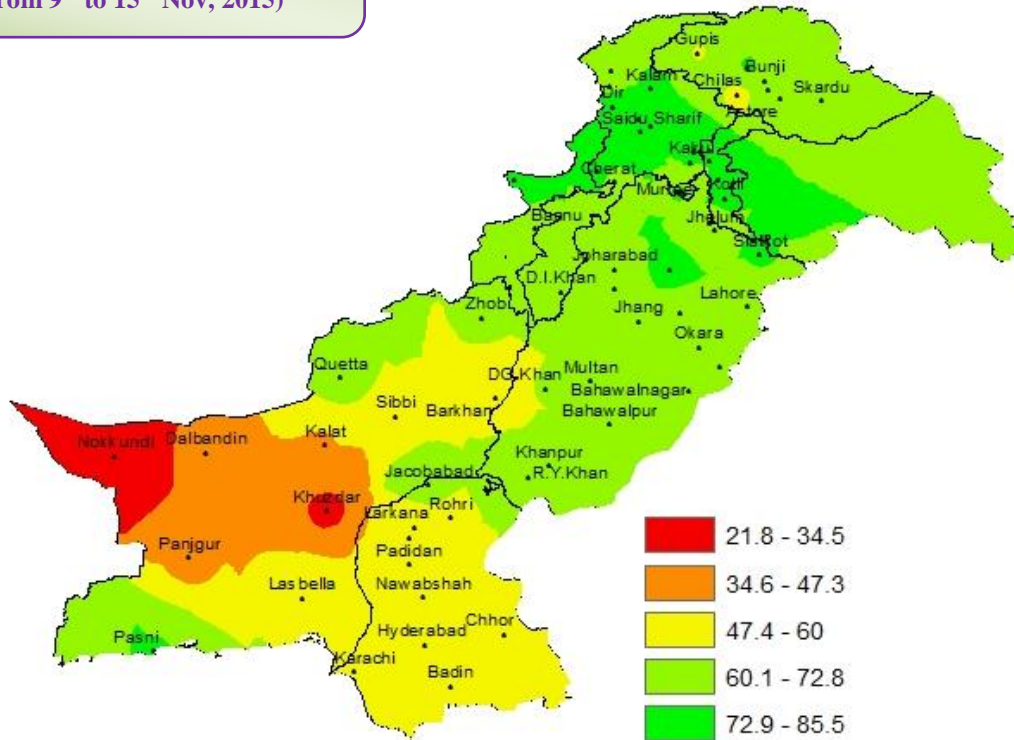
Lowest Minimum Temperature (°C) during the Previous Week (From 9th to 15th Nov, 2015)



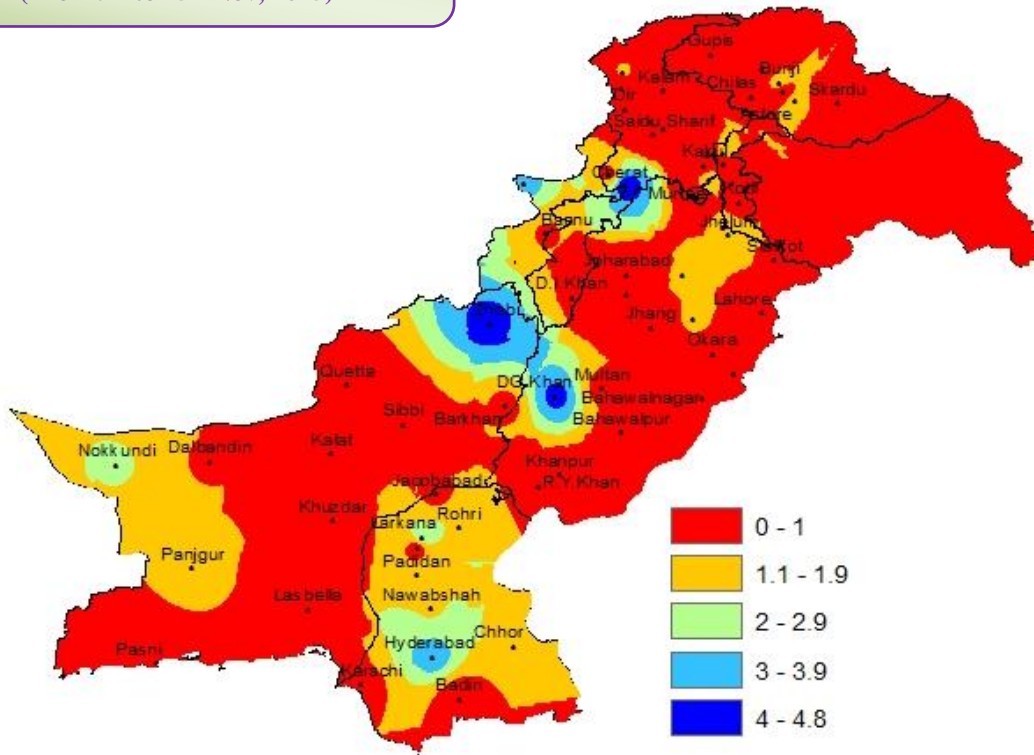
Total Growing Degree Days accumulated during the Previous Week (From 9th to 15th Nov, 2015)



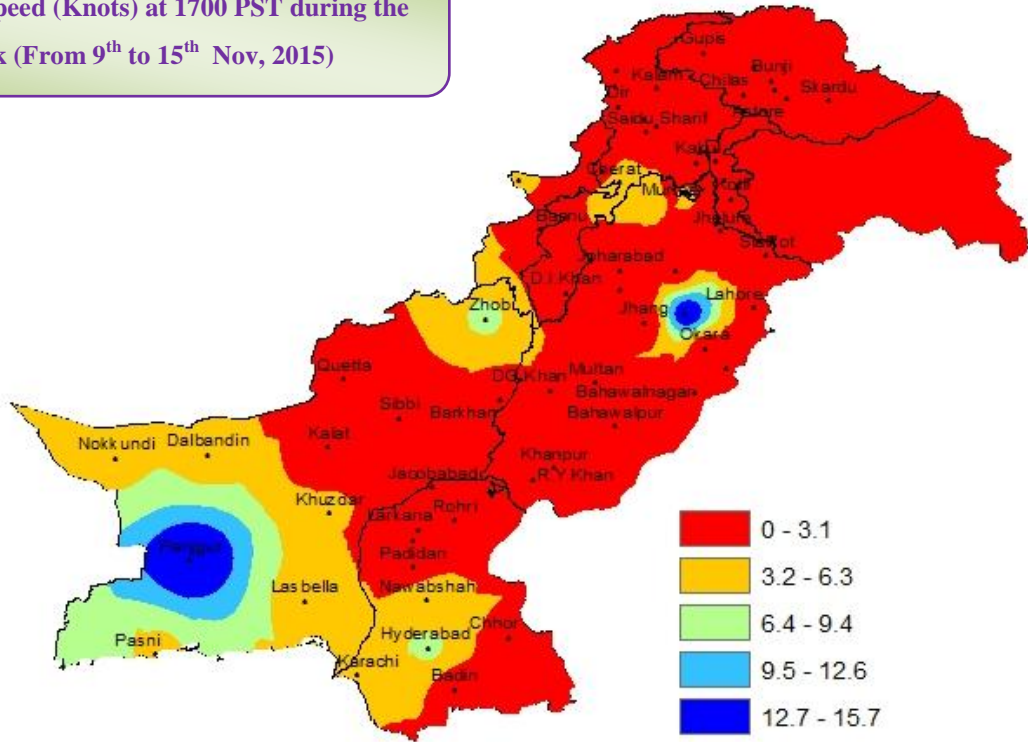
Mean Relative Humidity (%) during the Previous Week (From 9th to 15th Nov, 2015)



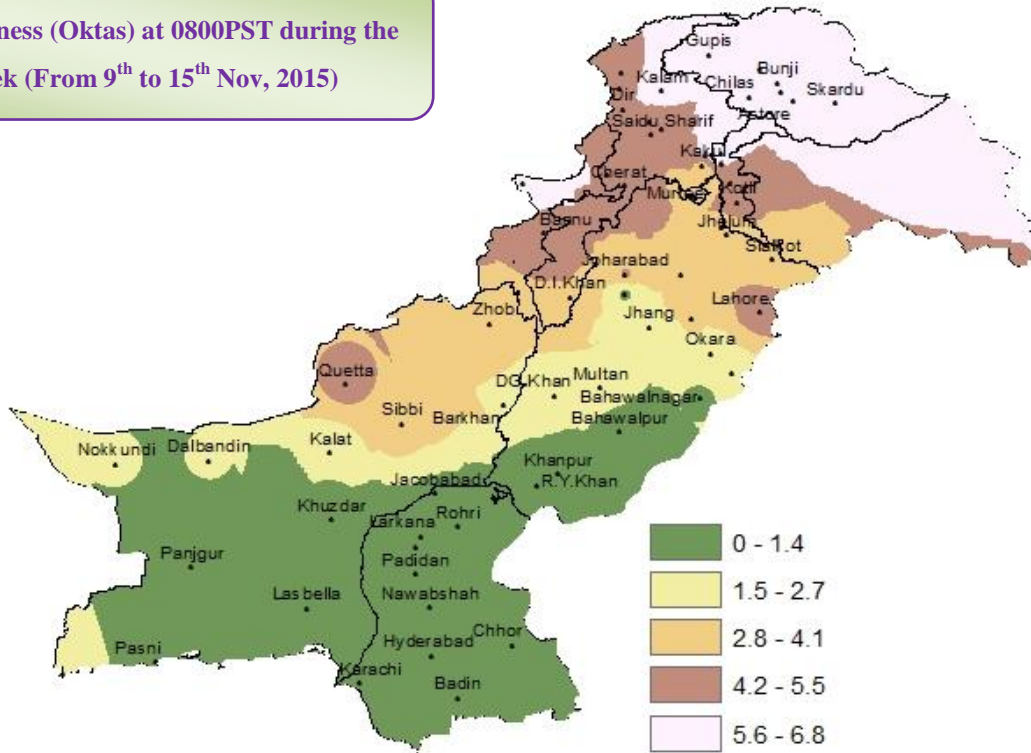
Mean Wind Speed (Knots) at 0800 PST during the Previous Week (From 9th to 15th Nov, 2015)



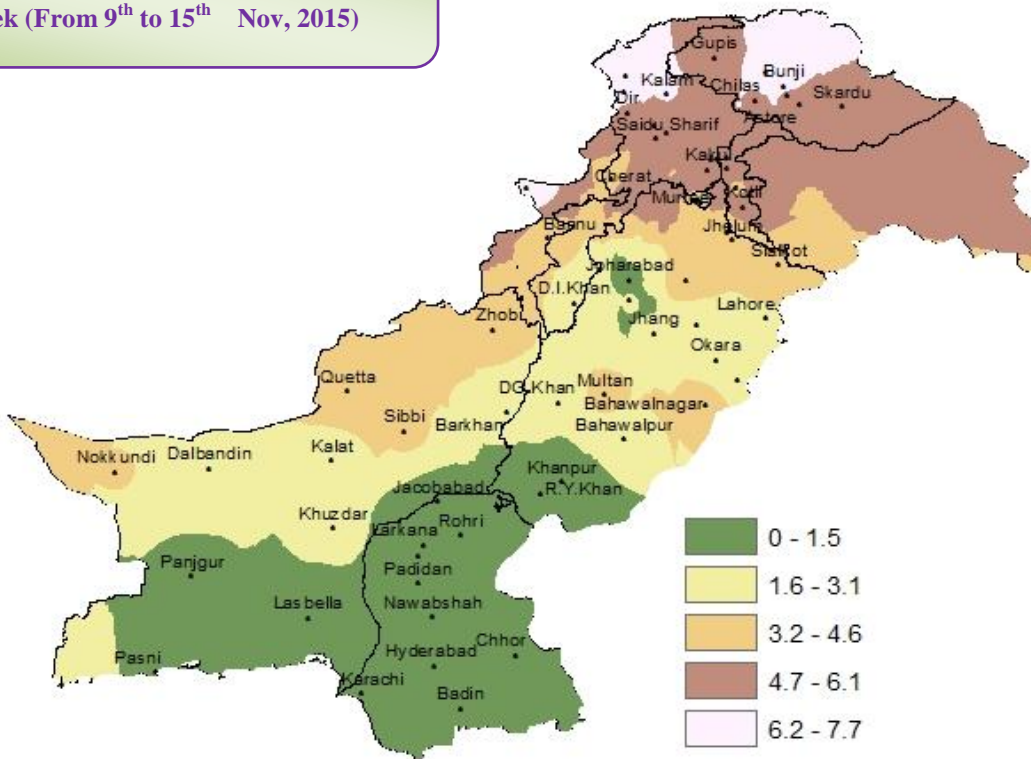
Mean Wind Speed (Knots) at 1700 PST during the Previous Week (From 9th to 15th Nov, 2015)



Mean Cloudiness (Oktas) at 0800PST during the Previous Week (From 9th to 15th Nov, 2015)



Mean Cloudiness (Oktas) at 1700PST during the Previous Week (From 9th to 15th Nov, 2015)



Weekly Weather Advisory for Farmers
(From 16th to 21st November, 2015)

Continental air is prevailing over most parts of the country. A shallow westerly wave is prevailing over upper parts of the country and likely to move north-eastwards in next 12 to 18 hours.

MONDAY
16-11-2015

Mainly cold and dry weather is expected in most parts of the country. However, very cold and dry weather is expected in earthquake affected areas of KP and Gilgit-Baltistan.

TUESDAY
17-11-2015

Mainly cold and dry weather is expected in most parts of the country. However, very cold and dry weather is expected in earthquake affected areas of KP and Gilgit-Baltistan.

WEDNESDAY
18-11-2015

Mainly cold and dry weather is expected in most parts of the country. However, very cold and dry weather is expected in earthquake affected areas of KP and Gilgit-Baltistan.

THURSDAY
19-11-2015

Mainly cold and dry weather is expected in most parts of the country. However, very cold and dry weather is expected in earthquake affected areas of KP and Gilgit-Baltistan.

FRIDAY
20-11-2015

Mainly cold and dry weather is expected in most parts of the country. However, very cold and dry weather is expected in earthquake affected areas of KP and Gilgit-Baltistan.

SATURDAY
21-11-2015

Mainly cold and dry weather is expected in most parts of the country. However, partly cloudy weather conditions are expected in Malakand, Zhob, and Quetta divisions, upper FATA, Gilgit-Baltistan and Kashmir.

ADVISES FOR CROPS

- ❖ Farmers of rainfed areas obtaining water through tube wells and irrigated areas in upper parts are advised to schedule the irrigation according to the expected weather mentioned during the decade.
- ❖ Farmers are advised to cultivate winter vegetables in time so that present soil moisture may fully be utilized.
- ❖ 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 the period 15th October to 15th November. After this time 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 recent rains in these areas.

National Weather Data of Selected Cities
(Weekly Data from 9th to 15th 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	1.5	0	3.2	66	18.5	6.9	5.7	1.6	2.1
Badin	18.8	16.5	141.3	58	0.0	0.3	0.0	0.0	1.4
Bahawalnagar	15.5	14	117.9	64	0.0	1.1	3.7	0.0	0.3
Bahawalpur	14.9	13.3	116.3	67	0.0	0.4	2.4	0.0	0.0
Balakot	7.9	6.7	55.4	73	0.0	6.1	5.6	0.3	0.7
Bannu	9.9	8	82.9	64	34.6	4.9	3.9	0.9	1.7
Barkhan	9.9	9.5	82.0	53	3.1	2.7	2.1	0.6	1.4
Bunji	7.4	6.1	47.9	63	0.0	6.7	6.9	1.7	1.4
Cherat	7.9	7	45.5	70	0.0	5.3	5.3	4.9	6.0
Chhor	15.2	13	135.7	57	6.0	0.4	0.0	1.3	2.0
Chilas	6.1	5.5	46.1	58	0.0	6.6	6.0	0.6	1.4
Chitral	4.7	2.6	32.3	63	8.0	5.1	6.9	1.1	0.6
D.I.Khan	11.4	10	98.3	67	1.0	4.0	2.6	0.9	0.9
Dalbandin	5.4	2	84.5	38	0.0	1.4	2.9	0.9	4.9
DG.Khan	16.0	15.5	114.0	61	26.6	2.3	1.7	4.3	3.1
Dir	3.0	2	23.5	85	0.0	5.3	6.0	0.0	1.1
Drosh	4.2	2.5	25.4	70	68	5.4	6.4	0.0	2.0
Faisalabad	13.6	12.5	106.1	73	0.1	3.9	2.1	0.5	0.3
Garidopatta	7.4	5.5	54.3	75	0.1	5.4	5.7	0.0	s

Gawader	21.1	19	151.0	72	25	1.4	2.0	0.0	9.4
Gilgit	4.7	3	36.0	75	0.0	6.6	6.7	0.0	0.4
Gupis	0.8	0	5.0	60	0.2	6.3	5.6	0.9	1.1
Hyderabad	19.2	18	140.8	49	5.8	0.0	0.0	3.4	6.9
Islamabad	9.3	6	73.6	74	1.2	4.1	4.4	0.0	3.4
Jacobabad	16.8	15.5	123.2	67	1.7	1.3	1.0	0.6	0.0
Jhang	11.9	10	100.5	71	0.0	2.1	1.6	0.0	0.0
Jhelum	13.2	12.8	99.0	72	0.0	2.9	4.6	1.1	0.9
Jiwani	22.6	21.5	151.8	69	0.1	2.3	2.6	0.9	6.9
Joharabad	11.9	10.5	101.6	73	0.0	4.3	1.3	0.0	0.6
Kakul	5.5	4	41.9	75	0.1	3.7	4.6	0.0	0.9
Kalam	0.4	-0.5	-2.0	76	20.2	6.1	6.3	0.0	0.3
Kalat	1.8	-1.5	41.5	47	30.0	1.4	2.1	0.6	2.3
Karachi	19.8	18	145.6	53	0.1	0.9	0.6	0.6	4.3
Khanpur	14.0	13	111.2	69	0.0	0.4	0.9	0.0	0.9
Khuzdar	11.1	9.5	100.8	32	0.0	0.8	2.4	0.0	3.4
Kotli	11.2	10.8	83.4	75	3.0	5.0	4.9	0.7	1.1
Lahore	14.9	13.3	109.6	62	0.4	5.0	2.9	0.3	1.4
Larkana	18.7	18	130.0	53	0.0	0.7	0.3	2.9	1.4
Lasbella	14.7	12	131.8	59	0.0	0.6	0.0	0.0	5.1
Lower Dir	8.5	7	58.3	79	30.0	5.1	5.3	0.0	1.1
M.B Din	1.1	0	-1.5	75	75.0	3.7	4.3	1.1	0.9
Malam Jabba	13.1	12	97.3	73	0.2	4.6	5.0	0.0	0.0
Mangla	12.6	11.1	96.2	69	0.6	4.0	4.3	1.1	3.1
Mir Khani	3.5	2	28.0	64	22.0	5.6	5.8	0.0	0.4
Moinjodaro	15.2	14.5	121.3	59	0.0	0.6	0.4	0.3	2.0

Multan	15.2	13.6	111.3	63	0.1	2.3	3.6	0.6	2.6
Murree	6.1	5.4	39.6	61	19.0	3.4	5.4	2.0	1.7
Muzaffarabad	8.2	7.5	53.1	85	33.9	5.6	5.7	0.6	0.3
Nawabshah	15.8	14.5	129.8	59	0.0	0.0	0.0	1.9	4.7
Nokkundi	14.3	12.5	114.0	22	0.0	1.4	3.1	2.0	5.4
Noorpurthal	11.5	10.5	106.0	68	0.0	1.1	1.6	0.0	0.0
Okara	14.7	13.3	113.2	70	0.7	2.6	2.7	0.6	0.6
Padidan	16.2	14.5	128.8	58	0.0	0.0	0.0	1.4	2.0
Panjgur	12.1	11	103.0	43	0.0	0.0	0.7	1.4	15.7
Parachinar	-3.3	-3.8	-7.6	86	126.8	6.7	7.7	3.3	3.6
Pasni	20.8	19.5	146.8	74	0.0	0.0	0.3	0.3	5.1
Pattan	8.7	6	57.2	71	67.6	5.9	6.0	1.7	2.3
Peshawar	12.0	9	82.2	77	8.0	5.4	4.1	0.6	1.4
Quetta	8.2	5.5	56.7	61	24.5	5.0	4.3	1.7	2.2
R.Y.Khan	15.4	14	121.0	69	0.0	0.4	0.0	0.9	0.6
Rawalakot	3.4	2	33.7	80	8.6	4.3	4.4	0.0	0.0
Rohri	**	**	***	57	0.0	0.4	0.6	1.9	1.7
Rawalpindi	11.1	9.6	79.9	77	1.2	3.0	3.1	0.0	0.2
Sahiwal	13.1	12	105.8	67	0.1	1.9	2.1	0.3	1.1
Saidu Sharif	8.2	7	51.3	81	37.1	5.0	4.6	0.0	0.0
Sialkot	13.4	12.3	101.2	74	0.2	3.3	4.4	0.9	0.9
Sibbi	7.5	7	96.8	55	0.2	3.7	3.4	0.0	0.0
Skardu	1.9	-0.6	13.0	71	16.3	6.7	6.1	0.0	0.0
Tandojam	16.1	14.5	129.8	62	0.0	0.3	0.0	0.5	0.5
Ust.M	15.4	13	121.0	59	0.0	0.0	0.0	0.6	0.6
Zhob	8.7	7	70.3	62	3.0	3.1	4.0	4.3	6.7

*** Shows the data is not available.