

Weekly Weather and Crop Bulletin for Pakistan

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

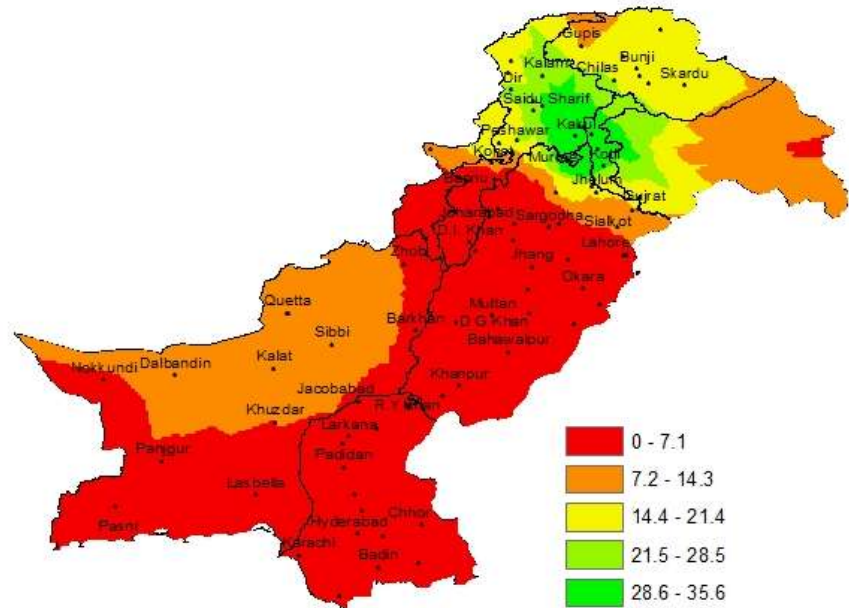
Phone: +92-51-9250299

Email: dirnamc@yahoo.com

**Rainfall Distribution (mm) during the
Previous Week (from 25th to 31st Jan, 2016)**

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 25th to 31st Jan, 2016)

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 , Punjab Gilgit-Baltistan & Kashmir regions
- Light to moderate rainfall reported at few places in Balochistan.
- Light rainfall reported only at a single station (Larkana =0.1mm) in Sindh.

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 25th to 31st Jan, 2016)

Punjab

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 16.1°C & 6.1°C respectively. For the present season average 35.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 77% and wind speed in the morning/evening recorded 0.9/1.6Knots. During the previous week the highest amount of rainfall was recorded 42.3mm at Murree & lowest minimum temperature recorded -2.5°C at Murree.

Sindh

Light rainfall reported only at single station (Larkana =0.1mm) in Sindh during the week. Weekly maximum and minimum temperatures recorded 23.3°C & 10.5°C respectively. For the present season average 74.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 67% and wind speed in the morning/evening recorded 1.5/4.0Knots. During the previous week the lowest minimum temperature recorded 4.5°C at Larkana.

Khyber Pakhtunkhwa

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa province during the week. Weekly maximum and minimum temperatures recorded 13.7°C & 2.4°C respectively. For the present season average 12.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 67% and wind speed in the morning/evening recorded 0.9/2.1Knots. During the previous week the highest amount of rainfall was recorded 61.3 at Balakot & lowest minimum temperature recorded -9.0°C at Kalam.

Balochistan

Light to moderate rainfall reported at few places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 22.9°C & 7.8°C respectively. For the present season average 60.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 53% and wind speed in the morning/evening recorded 1.6/5.9Knots. During the previous week the highest amount of rainfall was recorded 48.0 mm at Quetta & lowest minimum temperature recorded -3.1°C at Samungli.

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 10.9°C & -0.1°C respectively. Average relative humidity recorded 64% and wind speed in the morning/evening recorded 0.9/1.6Knots. . During the previous week the highest amount of rainfall was recorded 50.9 at Rawalakot & lowest minimum temperature recorded -11.6°C at Skardu.

**Past Weather for Major Agricultural Plains
(from 25th to 31st Jan, 2016)****Rawalpindi (Potohar region)**

Rainfall reported as 14.5mm during the week; however cloudiness in the morning/evening recorded 4.1/5.0Oktas while, average relative humidity observed 73%. Mean night time temperature recorded 6.8°C & for the present season 50.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.3Knots.

Faisalabad (Central Punjab)

Rainfall reported as 5.6mm during the week; however cloudiness in the morning/evening recorded 4.7/4.1Oktas while, average relative humidity observed as 79%. Mean night time temperature recorded 6.6°C & for the present season 50.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.7Knots.

Tandojam (Lower Sindh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.9/0.0Oktas while, average relative humidity observed as 74%. Mean night time temperature recorded 11.0°C & for the present season 90.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.8/1.1Knots.

Quetta (Northern Balochistan)

Rainfall reported as 43.7mm during the week; however cloudiness in the morning/evening recorded 4.3/4.3Oktas while, average relative humidity observed as 47%. Mean night time temperature recorded 0.8°C & for the present season 18.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.8/3.6Knots.

Usta Muhammad (Eastern 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 74%. Mean night time temperature recorded 7.6°C & for the present season 65.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/1.7Knots.

**Past Weather for Sub-Regional Agricultural
Plains (from 25th to 31st Jan, 20 16)****Multan**

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 4.8/2.4Oktas while, average relative humidity observed as 72%. Mean night time temperature recorded 7.0°C & for the present season 37.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/1.4Knots.

Lahore

Rainfall reported as 18.5mm during the week; however cloudiness in the morning/evening recorded 4.9/3.7Oktas while, average relative humidity observed as 79%. Mean night time temperature recorded 7.7°C & for the present season 38.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.1Knots.

Zhob

Rainfall reported as 12.0mm during the week; however cloudiness in the morning/evening recorded 3.1/3.4Oktas while, average relative humidity observed as 47%. Mean night time temperature recorded 1.2°C & for the present season 13.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/5.0Knots.

D.I. Khan

Rainfall reported as 1.1mm during the week; however cloudiness in the morning/evening recorded 4.9/4.3Oktas while, average relative humidity observed as 76%. Mean night time temperature recorded 3.3°C & for the present season 20.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.6Knots.

Peshawar

Rainfall reported as 0.3mm during the week; however cloudiness in the morning/evening recorded 3.6/4.1Oktas while, average relative humidity observed as 71%. Mean night time temperature recorded 5.8°C & for the present season 35.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.4Knots.

Murree

Rainfall reported as 42.3mm during the week; however cloudiness in the morning/evening recorded 4.9/5.0Oktas while, average relative humidity observed as 71%. Mean night time temperature recorded 0.5°C by the end of last week. Wind speed recorded in the morning/evening 1.7/1.4Knots.

Kalam

Rainfall reported as 37.0mm during the week; however cloudiness in the morning/evening recorded 5.6/4.3Oktas while, average relative humidity observed as 75%. Mean night time temperature recorded -2.4°C by the end of last week. Wind speed recorded in the morning/evening 0.0/0.6Knots.

Gilgit

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 6.6/6.4Oktas while, average relative humidity observed as 61%. Mean night time temperature recorded -1.9°C by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.3Knots.

Skardu

Rainfall reported as 3.9mm during the week; however cloudiness in the morning/evening recorded 5.7/5.6Oktas while, average relative humidity observed as 74%. Mean night time temperature recorded -6.8°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 one crop (irrigated condition) grown in the fields of RAMC Rawalpindi.

Wheat: Good condition at *Shooting* stage.

Central Punjab (Faisalabad)

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

Wheat: Very Good condition at *Shooting* stage Completed.

Lower Sindh (Tandojam)

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

Wheat: Good condition at *Shooting* stage.

Northern Balochistan (Quetta)

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

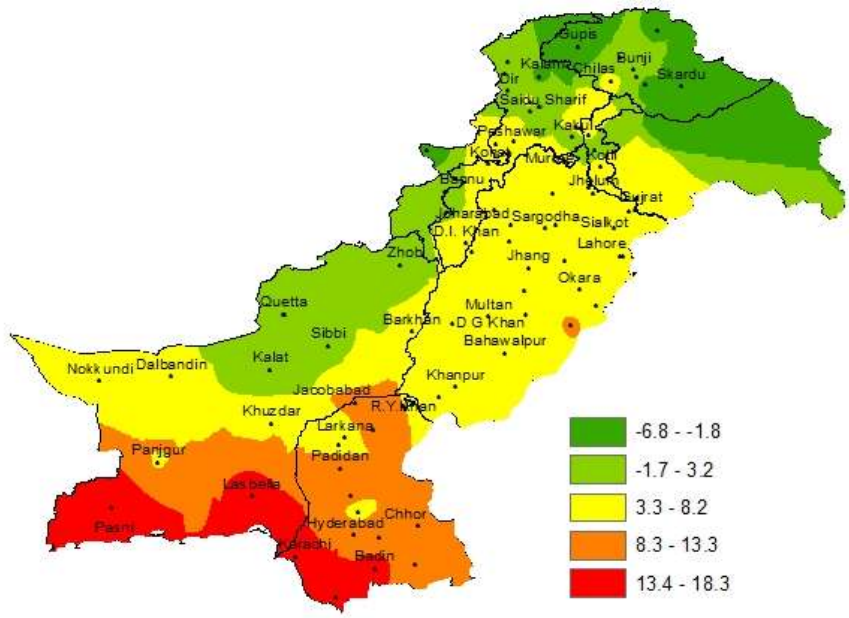
Wheat: Good condition at *Third Leaf* stage.

Eastern Balochistan (Usta Muhammad)

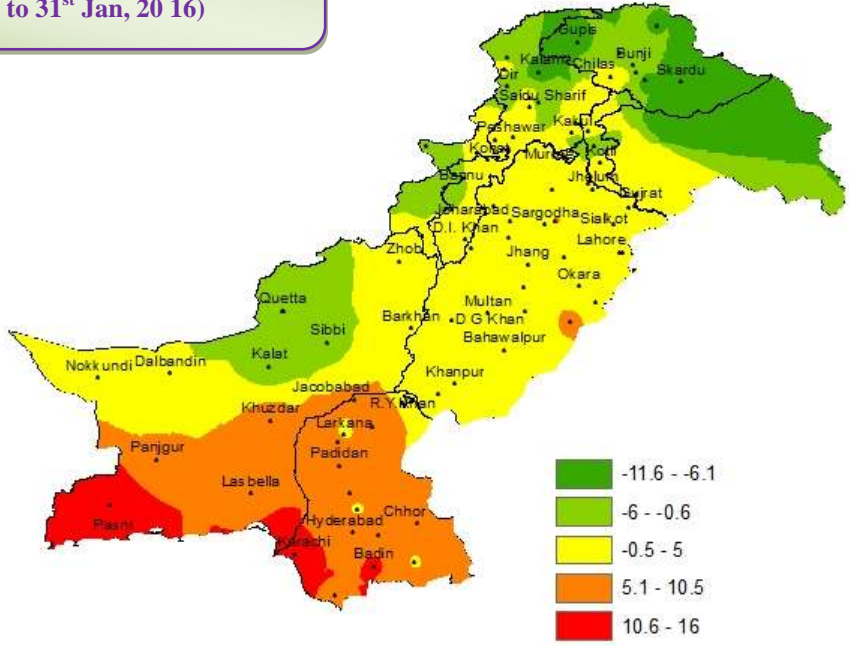
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Wheat: Good condition at *Shooting* stage.

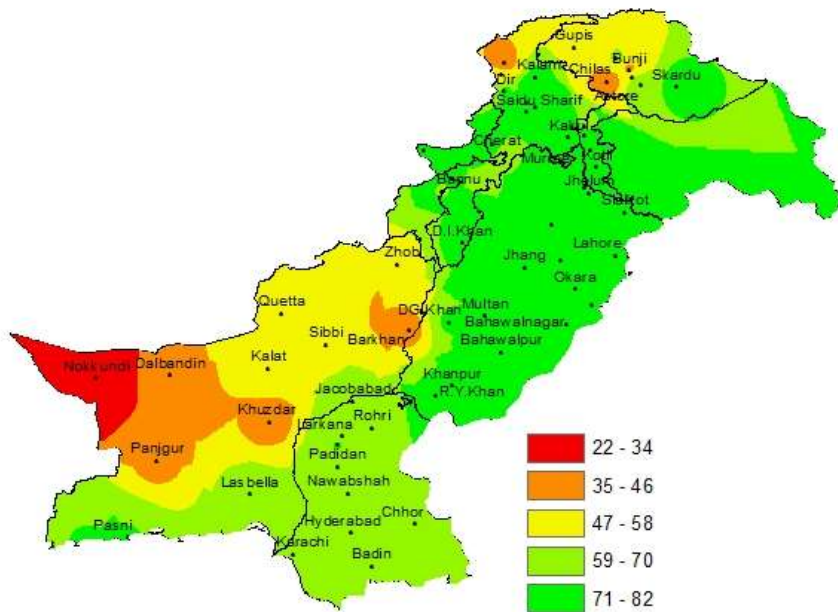
Mean Minimum Temperature (°C) during the Previous week (from 25th to 31st Jan, 20 16)



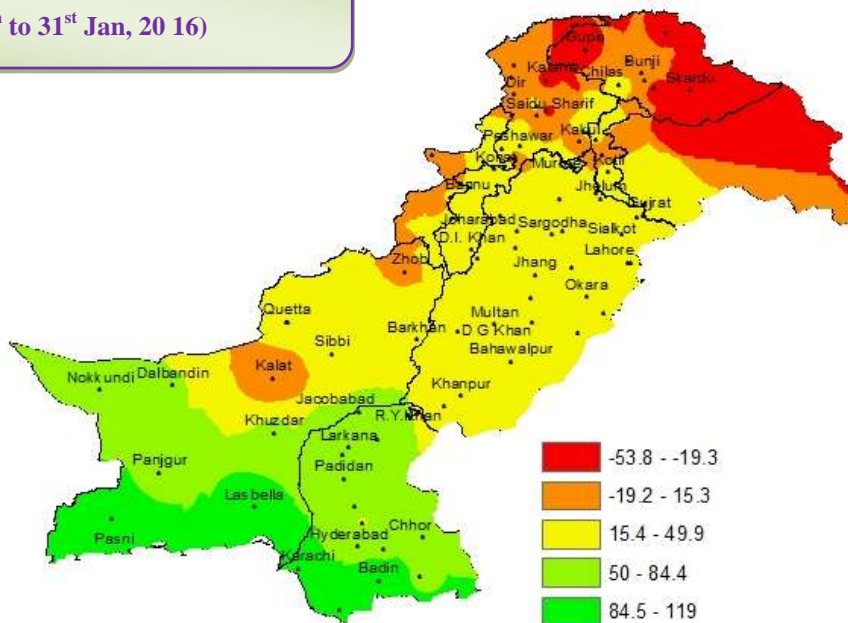
Lowest Minimum Temperature (°C) during the Previous week (from 25th to 31st Jan, 20 16)



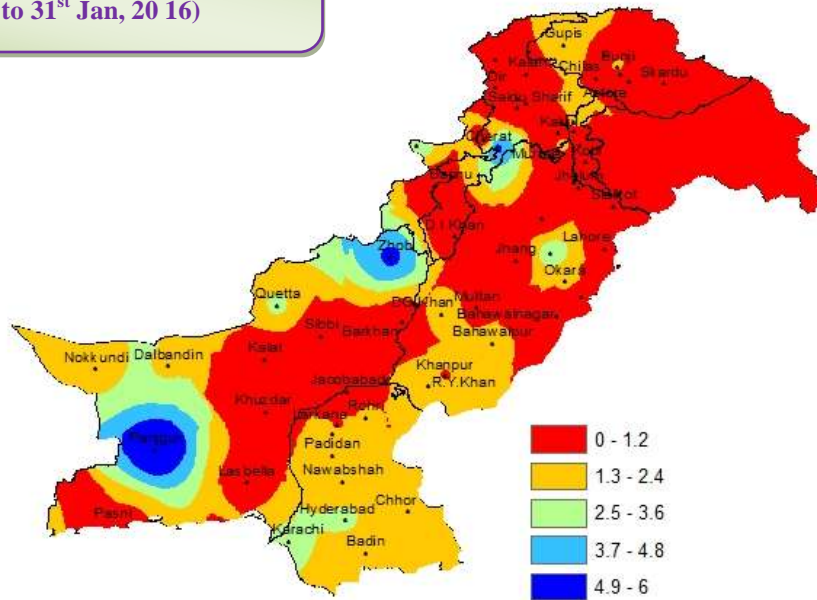
Mean Relative Humidity (%) during the Previous week (from 25th to 31st Jan, 20 16)



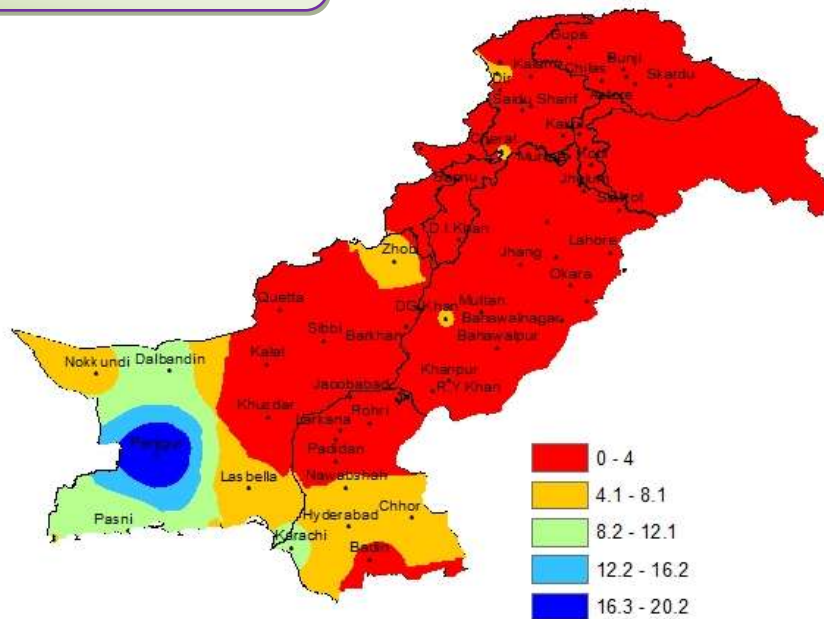
Total Growing Degree Days accumulated during the Previous week (from 25th to 31st Jan, 20 16)



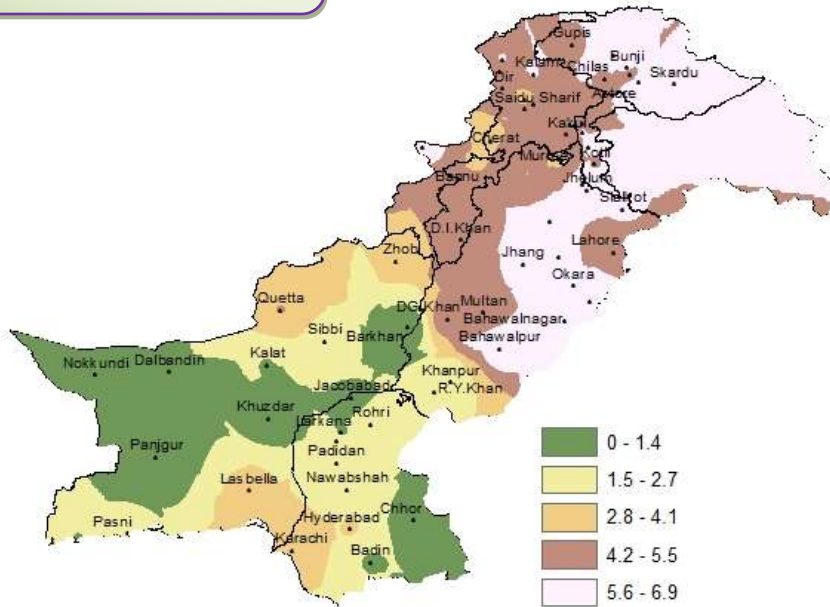
Mean Wind Speed (Knots) at 0800 PST during the Previous week (from 25th to 31st Jan, 20 16)



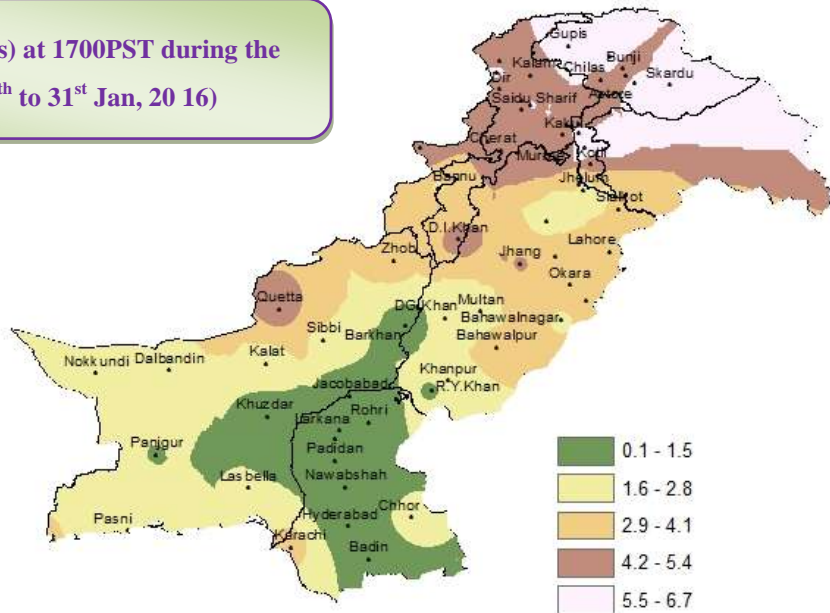
Mean Wind Speed (Knots) at 1700 PST during the Previous week (from 25th to 31st Jan, 20 16)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 25th to 31st Jan, 20 16)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (from 25th to 31st Jan, 20 16)



Weekly Weather Advisory for Farmers**(From 1st to 6th Feb, 2016)**

Continental air would prevail over most parts of the country during next few days. A fresh shallow westerly wave is likely to approach Balochistan on Friday and may grip upper parts of the country on Saturday.

MONDAY**01-02-2016**

Mainly cold and dry weather is expected in most parts of the country.

TUESDAY**02-02-2016**

Mainly cold and dry weather is expected in most parts of the country.

WEDNESDAY**03-02-2016**

Mainly cold and dry weather is expected in most parts of the country.

THURSDAY**04-02-2016**

Mainly cold and dry weather is expected in most parts of the country. However light rain is likely at few places in Makran division.

FRIDAY**05-02-2016**

Mainly cold and dry weather is expected in most parts of the country. However rain is likely at isolated places in Makran, Kalat, Nasirabad, Sibbi divisions.

SATURDAY**06-02-2016**

Mainly cold and dry weather is expected in most parts of the country. However rain (snowfall over the hills) is likely at isolated places of Malakand, Hazara, Rawalpindi, Sargodha, Lahore divisions, Islamabad and Kashmir.

ADVISES FOR CROPS

- ❖ Farmers of irrigated areas should irrigate the crop as per requirement keeping expected weather in mind. Normally first irrigation is given 20-25 days after sowing and 2nd irrigation is given just before heading stage and the 3rd irrigation is given at milk maturity stage.
- ❖ Farmers of barani areas are advised to remove weeds from the fields, so that the present soil moisture may fully be utilized.
- ❖ 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.
- ❖ Farmers of upper areas are advised to protect their crops from the expected frost during clear nights.

National Weather Data of Selected Cities**(Weekly Data from 25th to 31st Jan, 20 16)**

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	-4.4	-9.0	-38.4	68	0.0	6.6	6.0	0.6	1.7
Badin	15.0	11.0	99.3	65	0.0	1.3	1.1	1.4	3.1
Bahawalnagar	8.5	5.5	48.6	75	0.2	6.9	2.7	0.3	1.7
Bahawalpur	6.0	1.9	41.1	80	0.1	6.3	3.3	1.4	2.3
Balakot	4.1	0.6	19.1	71	61.3	5.6	5.4	1.0	0.3
Bannu	1.9	-2.3	15.8	70	2.4	4.3	2.7	0.0	2.6
Barkhan	3.3	2.0	28.3	39	0.0	0.0	1.0	0.0	2.0
Bunji	2.3	-0.8	6.8	42	0.0	5.7	5.0	1.6	1.4
Cherat	3.1	1.5	4.5	68	6.0	4.6	4.9	5.1	4.6
Chhor	10.6	6.5	82.8	68	0.0	0.7	1.7	1.4	4.3
Chilas	4.0	3.0	23.3	40	0.1	5.3	5.1	1.1	3.4
Chitral	1.3	-1.0	4.4	37	17.0	5.6	4.9	0.6	2.6
D.I.Khan	3.3	1.0	20.1	76	1.1	4.9	4.3	0.0	0.6
Dalbandin	4.4	-0.5	50.9	40	0.0	1.1	2.6	2.3	9.1
DG.Khan	7.1	4.5	36.1	73	0.1	5.4	1.7	1.7	4.3
Dir	-1.6	-3.5	-8.0	72	57.0	4.4	4.6	0.0	2.0
Drosh	1.9	0.4	10.7	48	4.8	4.7	5.7	0.0	7.1
Faisalabad	6.6	3.5	50.0	79	5.6	4.7	4.1	0.3	0.7
Garidopatta	3.8	1.5	18.9	79	49.4	5.6	5.9	0.0	1.1
Gawader	13.6	12.0	95.8	72	0.0	1.3	2.0	0.0	9.4
Gilgit	-1.9	-5.5	-12.8	61	0.1	6.6	6.4	0.6	0.3
Gupis	-5.3	-7.5	-29.9	51	0.0	5.3	6.7	2.3	2.6

Hyderabad	12.1	7.5	79.6	58	0.0	2.9	0.6	2.6	6.7
Islamabad	4.3	1.0	28.9	78	16.1	3.9	4.7	0.0	0.0
Jacobabad	8.6	5.0	52.6	60	0.0	1.2	0.7	0.0	1.7
Jhang	5.8	2.4	36.9	80	5.0	5.8	4.1	0.0	0.0
Jhelum	6.9	3.5	41.8	76	4.5	5.7	2.1	0.9	2.3
Jiwani	16.4	15.5	105.9	61	0.0	2.7	3.1	2.3	8.0
Kakul	2.0	0.0	6.0	71	37.5	5.0	5.1	0.3	2.0
Kalam	-2.4	-9.0	-24.3	75	37.0	5.6	4.3	0.0	0.6
Kalat	-1.2	-3.0	-10.9	56	8.0	1.3	2.3	0.0	2.0
Karachi	16.5	13.0	106.8	70	0.0	3.7	3.1	2.6	8.9
Khanpur	6.5	2.6	37.9	74	0.0	2.0	2.7	1.1	2.3
Khuzdar	8.1	7.0	56.0	38	0.0	0.7	0.7	0.0	1.1
Kotli	6.1	1.8	38.3	71	25.0	5.4	4.9	0.7	1.6
Lahore	7.7	4.8	38.8	79	18.5	4.9	3.7	0.3	1.1
Larkana	7.7	4.5	50.2	62	0.1	1.3	0.4	1.1	1.7
Lasbella	14.7	9.8	101.8	67	0.0	3.3	1.6	0.6	5.4
Lower Dir	4.3	0.5	22.8	73	23.0	3.7	4.1	0.9	1.4
M.B Din	7.2	5.3	44.9	80	2.5	5.7	2.3	0.3	1.1
Malam Jabba	-2.6	-3.0	-34.0	70	23.0	4.3	5.6	0.9	0.9
Mangla	6.3	3.9	37.0	75	5.8	6.1	3.1	0.0	0.0
Mir Khani	1.0	-1.0	9.8	59	7.0	4.9	4.9	0.3	2.0
Moinjodaro	7.9	6.0	51.1	71	0.0	1.7	0.9	1.4	3.7
Multan	7.0	2.6	37.5	72	0.1	4.8	2.4	0.9	1.4
Murree	0.5	-2.5	-15.5	71	42.3	4.9	5.0	1.7	1.4
Muzaffarabad	3.8	2.0	18.8	76	46.1	5.3	5.0	0.3	0.6
Nawabshah	9.9	7.5	72.2	62	0.0	1.9	0.3	1.9	4.6

Nokkundi	6.8	3.5	59.6	22	0.0	1.3	2.4	2.0	7.1
Okara	7.2	3.9	40.8	79	0.2	5.6	3.4	1.4	2.0
Padidan	9.1	6.0	62.1	67	0.0	2.6	0.1	1.7	2.9
Panjgur	8.1	6.0	68.0	41	0.0	0.0	1.4	6.0	20.3
Parachinar	-4.9	-6.0	-13.5	76	37.7	6.3	5.3	3.0	3.0
Pasni	15.4	11.5	102.5	71	0.0	1.9	2.7	0.9	9.1
Peshawar	5.8	2.4	35.4	71	0.3	3.6	4.1	0.3	1.4
Quetta	0.8	-1.2	18.0	47	43.7	4.3	4.3	1.8	3.6
R.Y.Khan	7.5	2.6	45.4	74	0.0	2.2	1.3	2.0	1.4
Rawalakot	0.2	-3.8	-9.3	82	50.9	5.7	6.6	0.0	1.1
Rawalpindi	6.8	2.0	50.6	73	14.5	4.1	5.0	0.0	0.3
Sahiwal	6.4	3.0	34.6	82	0.2	6.6	2.9	0.6	2.6
Saidu Sharif	3.0	0.5	16.1	72	20.6	4.7	5.0	0.6	0.0
Sialkot	6.2	4.4	34.5	82	4.5	5.6	2.9	0.0	0.3
Sibbi	2.2	-2.0	32.4	54	0.2	2.3	2.6	0.0	0.3
Skardu	-6.8	-11.6	-53.8	74	3.9	5.7	5.6	0.0	0.0
Tandojam	11.0	8.5	90.3	74	0.0	2.9	0.0	0.8	1.1
Usta.M	7.6	4.0	65.5	74	0.0	0.6	1.6	1.4	1.7
Zhob	1.2	0.5	13.1	47	12.0	3.1	3.4	5.0	5.0

*** Shows that data was not available.