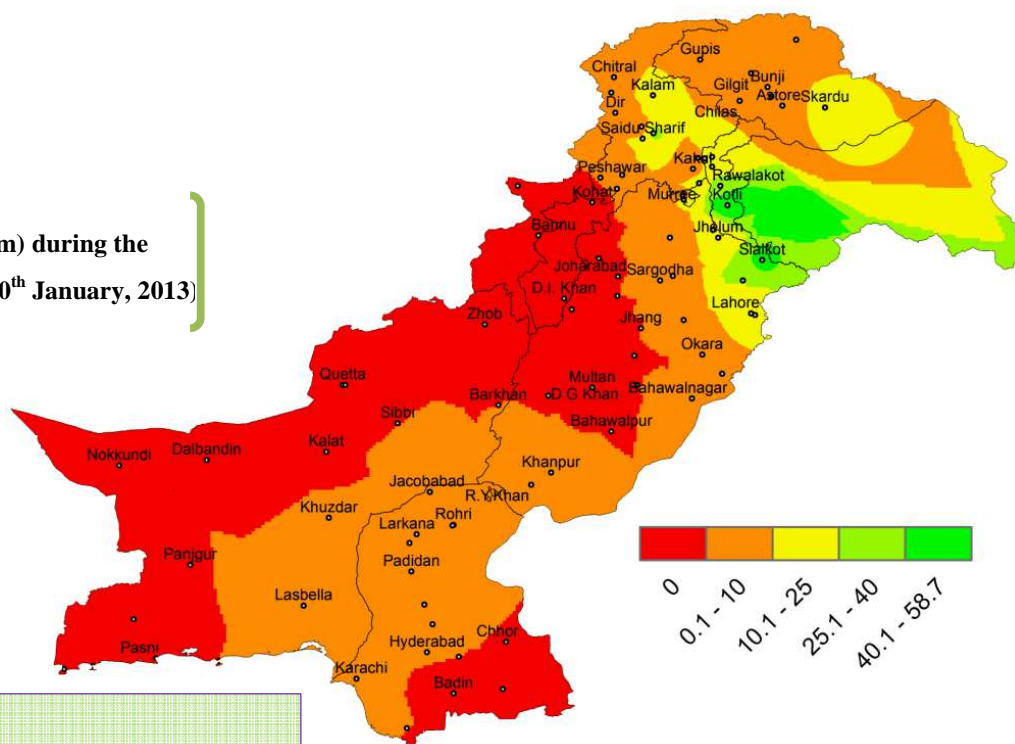


Weekly Weather and Crop Bulletin for Pakistan

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Rainfall distribution (mm) during the
last week (from 14th to 20th January, 2013)



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Highlights of Past Weather (14th to 20th January, 2013)

Light to moderate precipitation (rain and snowfall) recorded during the week especially in the upper half of the country. Whereas, cold and dry weather observed in most of the places in Balochistan province.

Chief Editor: Dr. Khalid Mehmood Malik (Director)
Editor: Dildar Hussain Kazmi (Meteorologist)

Punjab

Light to moderate precipitation recorded during the week. Weekly maximum temperature and minimum temperature recorded as 18.4°C & 4.6°C respectively. For the present season on average 48.7 growing degree days accumulated by the end of last week. Average relative humidity recorded as 69% and wind speed in the morning/evening recorded as 0.8/2.3 Knots. During the previous week the highest rainfall recorded at Sialkot (Cantt Area) as 45.1 mm and extreme minimum temperature recorded at Murree as -3.5 °C.

Sindh

Light rainfall recorded during the week. Weekly maximum temperature and minimum temperature recorded as 22.4°C & 8.2°C respectively. For the present season on average 77.8 growing degree days accumulated by the end of last week. Average relative humidity recorded as 60 % and wind speed in the morning/evening recorded as 2.3/4.1 Knots. During the previous week the highest rainfall recorded at Jacobabad, Nawabshah & Sukkur as 3.0 mm and extreme minimum temperature recorded as 0.5°C at Moenjo Daro.

Khyber Pakhtoon Khawa (KP)

Light to moderate precipitation recorded during the week. Weekly maximum temperature and minimum temperature recorded as 11.9°C & -0.2°C respectively. For the present season on average 29.5 growing degree days accumulated by the end of last week. Average relative humidity recorded as 67 % and wind speed in the morning/evening recorded as 1.0/1.4 Knots. During the previous week the highest rainfall recorded at Malamjabba as 32.0 mm and extreme minimum temperature recorded as -12.5°C at Kalam.

Balochistan

Cold and dry weather reported during the week however 0.1 mm rainfall recorded at Lasbela. Weekly maximum temperature and minimum temperature recorded as 18.2°C & 1.2°C respectively. For the present season on average 46.5 growing degree days accumulated by the end of last week. Average relative humidity recorded as 39 % and wind speed in the morning/evening recorded as 2.6/4.6 Knots. During the previous week the extreme minimum temperature recorded as -13.0°C at Kallat.

Gilgit Baltistan and Azad Jammu & Kashmir

Light to moderate precipitation recorded during the week. Weekly maximum temperature and minimum temperature recorded as 8.7°C & -1.3°C respectively. For the present season on average 20.5 growing degree days accumulated by the end of last week. Average relative humidity recorded as 66 % and wind speed in the morning/evening recorded as 0.6/1.4 Knots. During the previous week the highest rainfall recorded at Kotli as 59.0 mm and extreme minimum temperature recorded as -12.6°C at Skardu.

Past Weather for Major Agricultural Plains (from 14th to 20th January, 2013)

Rawalpindi (Potohar region)

Rainfall recorded as 7.2 mm during the week with cloudiness in the morning/evening as 1.4/3.0 Oktas while average relative humidity observed as 74%. Mean night temperature recorded as 3.5°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 1.2/1.8 Km/h.

Faisalabad (Central Punjab)

Rainfall recorded as 3.2 mm during the week with cloudiness in the morning/evening as 2.7/2.3 Oktas while average relative humidity observed as 58%. Mean night temperature recorded as 4.8°C & for the present season 49.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1/1.1 Km/h.

Tandojam (Lower Sindh)

Rainfall recorded as 1.0 mm during the week with cloudiness in the morning/evening as 0.4/0.8 Oktas while average relative humidity observed as 47%. Mean night temperature recorded as 8.3°C & for the present season 74.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/0.8 Km/h.

Quetta (Northern Balochistan)

Cold and dry weather reported during the week with cloudiness in the morning/evening as 0/0.4 Oktas while average relative humidity observed as 39%. Mean night temperature observed as -4.5°C & wind speed recorded in the morning/evening as 2.7/5.7 Km/h.

Usta Muhammad (Eastern Balochistan)

Rainfall recorded as 0.5 mm during the week with cloudiness in the morning/evening as 0.9/1.0 Oktas while average relative humidity observed as 78%. Mean night temperature recorded as 5.7°C & for the present season 57.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/1.6 Km/h.

Past Weather for sub regional Agri-cultural Plains (from 14th to 20th January, 2013)

Rohri

Rainfall recorded as 2.0 mm with cloudiness recorded in the morning/evening as 1.1/2.0 Oktas and average relative humidity recorded as 56%. Mean night temperature recorded as 9.1°C wind recorded in the morning/evening as 2.3/5.0 Knots.

Multan

Dry & cold weather observed with cloudiness recorded in the morning/evening as 0.8/1.1 Oktas and average relative humidity recorded as 63%. Mean night temperature recorded as 5.2°C & for the present season 51.8 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 0/3.1 Knots.

Lahore

Rainfall recorded as 13.0 mm with cloudiness recorded in the morning/evening as 3.7/3.4 Oktas and average relative humidity recorded as 78%. Mean night temperature recorded as 6.0°C & for the present season 43.9 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 0.9/2.0 Knots.

Zhob

Dry & cold weather observed with cloudiness recorded in the morning/evening as 0/0.9 Oktas and average relative humidity recorded as 43%. Mean night temperature recorded as -1.0°C & for the present season 37.8 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 5.0/5.6 Knots.

D.I. Khan

Dry & cold weather observed with cloudiness recorded in the morning/evening as 0.6/1.0 Oktas and average relative humidity recorded as 59%. Mean night temperature recorded as 4.1°C & for the present season 50.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.9 Knots.

Peshawar

Dry & cold weather observed with cloudiness recorded in the morning/evening as 2.1/3.1 Oktas and average relative humidity recorded as 63%. Mean night temperature recorded as 3.1°C & for the present season 40.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/0.6 Knots.

Murree

Rainfall recorded as 19.1 mm with cloudiness recorded in the morning/evening as 3.0/5.0 Oktas and average relative humidity recorded as 81%. Mean night temperature recorded as -2.4°C & wind speed recorded in the morning/evening as 2.9/2.7 Knots.

Kalam

Rainfall recorded as 17.0 mm with cloudiness recorded in the morning/evening as 3.6/5.9 Oktas and average relative humidity recorded as 79%. Mean night temperature recorded as -7.9°C & wind recorded in the morning/evening as Calm (no wind).

Gilgit.

Rainfall recorded as 3.1 mm with cloudiness recorded in the morning/evening as 6.1/6.7 Oktas and average relative humidity recorded as 68%. Mean night temperature recorded as -1.8°C & wind speed recorded in the morning/evening as 0/0.6 Knots.

Skardu

Rainfall recorded as 17.0 mm with cloudiness recorded in the morning/evening as 5.5/6.4 Oktas and average relative humidity recorded as 77%. Mean night temperature recorded as -9.3°C and wind recorded in the morning/evening as Calm (no wind).

Crop Situation for major agricultural plains

(based on data from Regional Agromet Centres)

Potohar Region (Rawalpindi)

There is presently one crop (rainfed conditions) grown in the fields as detailed below.

Wheat (Chakwal-97): Good condition at *Tillering* stage.

Central Punjab (Faisalabad)

There are two crops (irrigated conditions) grown in the fields as detailed below.

Sugarcane: Good condition at *Tillering* stage.

Wheat: Good condition at *Tillering* stage.

Lower Sindh (Tandojam)

There is presently one crop (irrigated conditions) grown in the fields as detailed below.

Wheat (TJ-83): Good condition at *Flowering* stage.

Northern Balochistan (Quetta)

There is presently one crop (rainfed conditions) grown in the fields as detailed below.

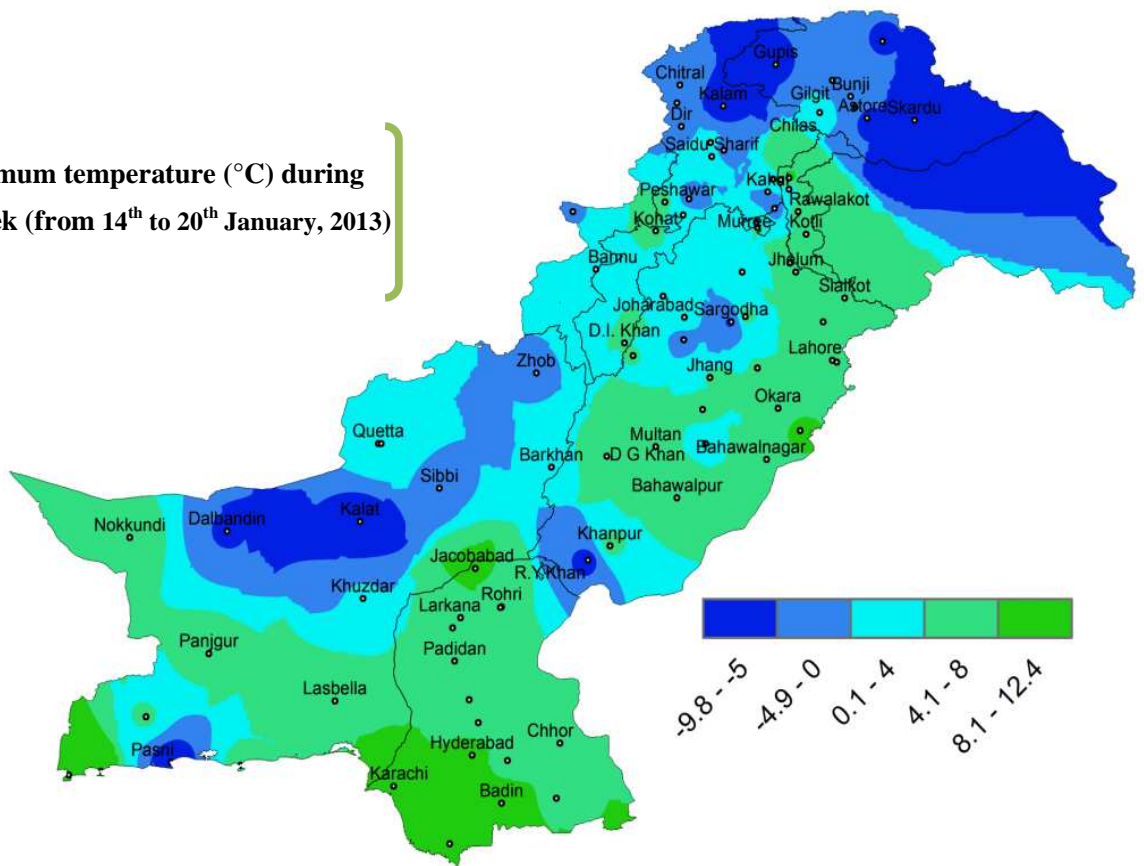
Wheat: Good condition at *Third leaf* stage.

Eastern Balochistan (Usta Muhammad)

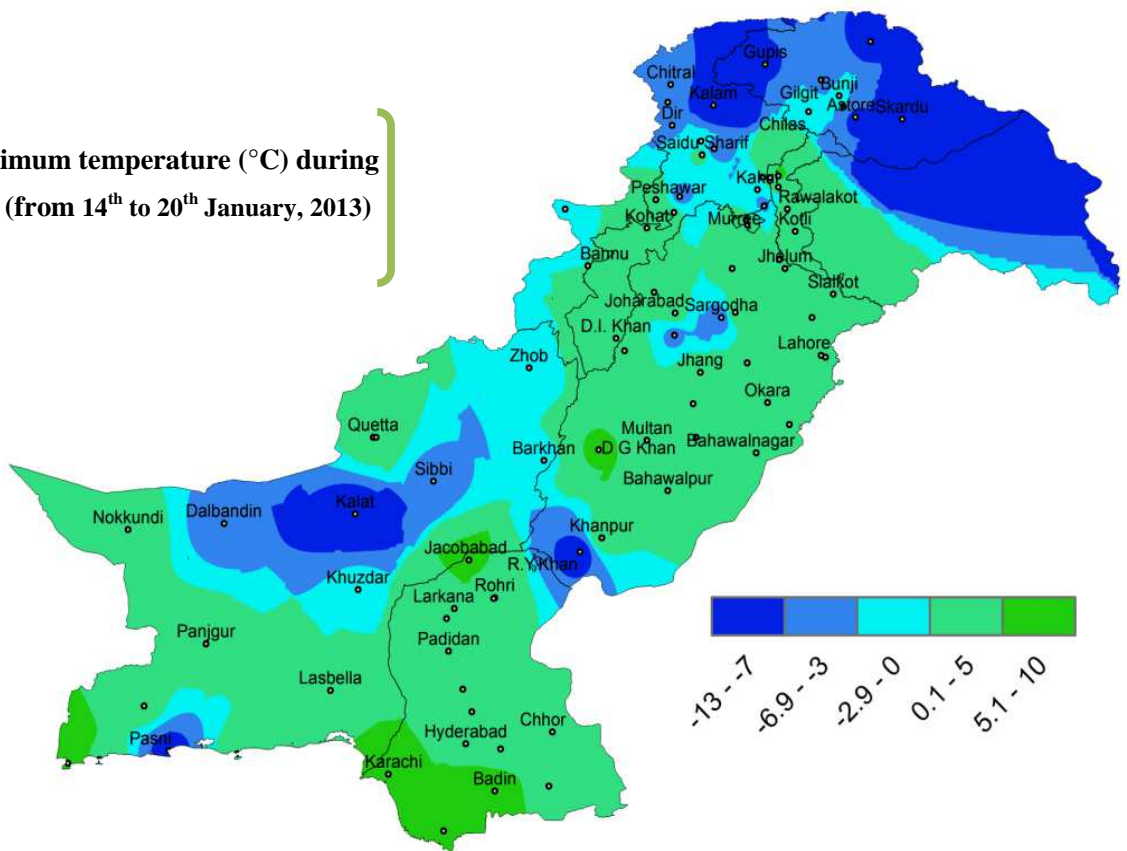
There is presently one crop (irrigated conditions) grown in the fields as detailed below.

Wheat: Good condition at *Third leaf* stage.

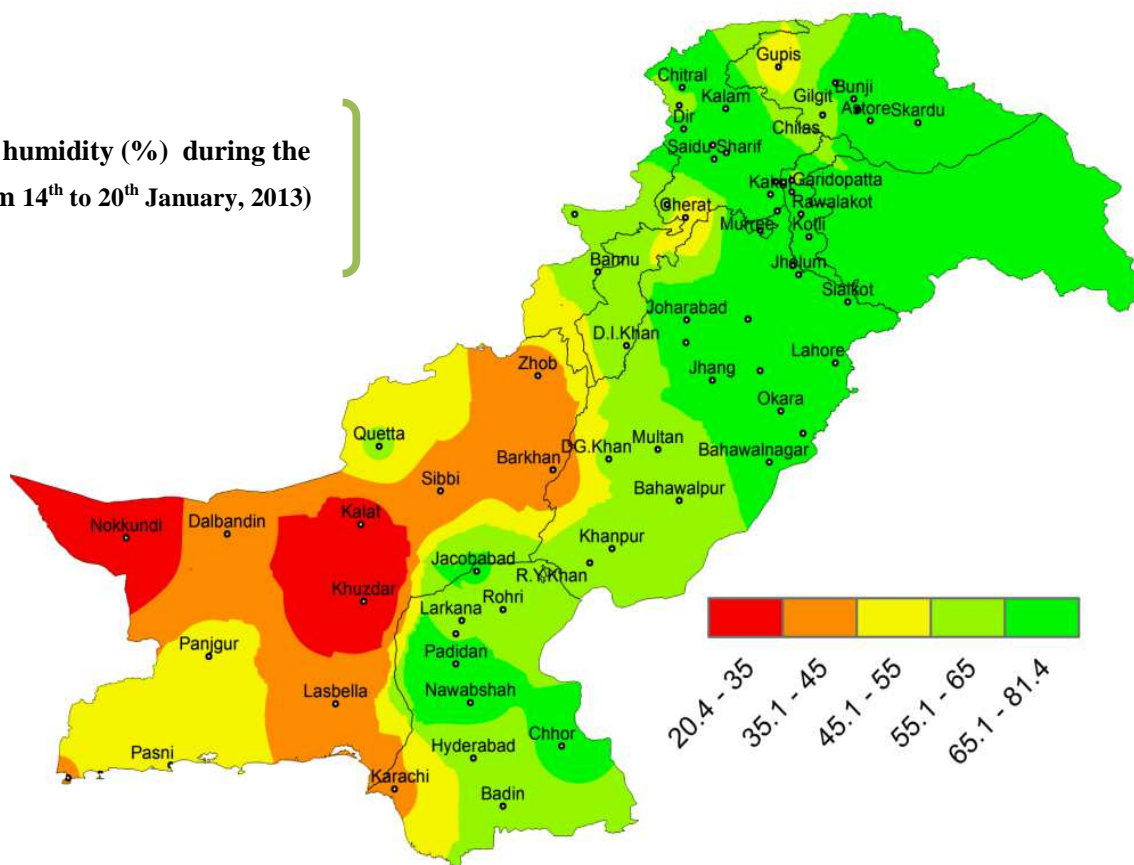
Mean minimum temperature (°C) during the last week (from 14th to 20th January, 2013)



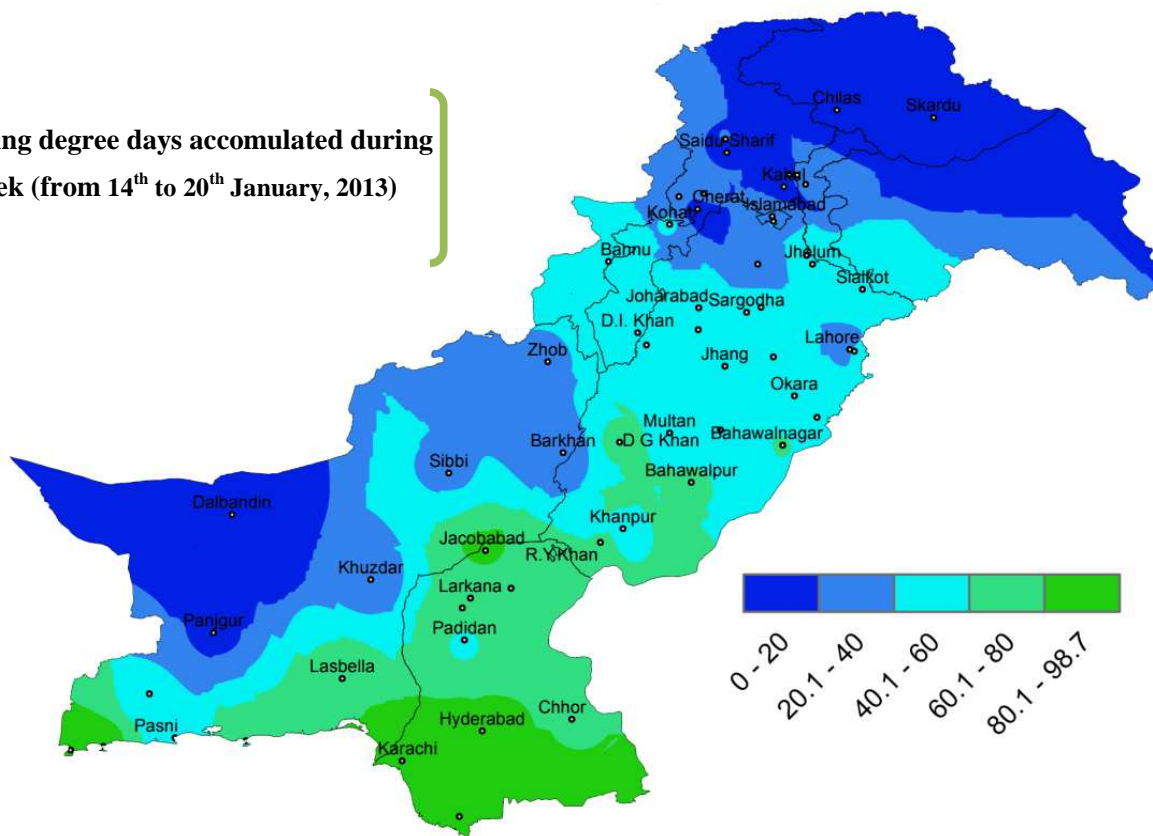
Extreme minimum temperature (°C) during the last week (from 14th to 20th January, 2013)



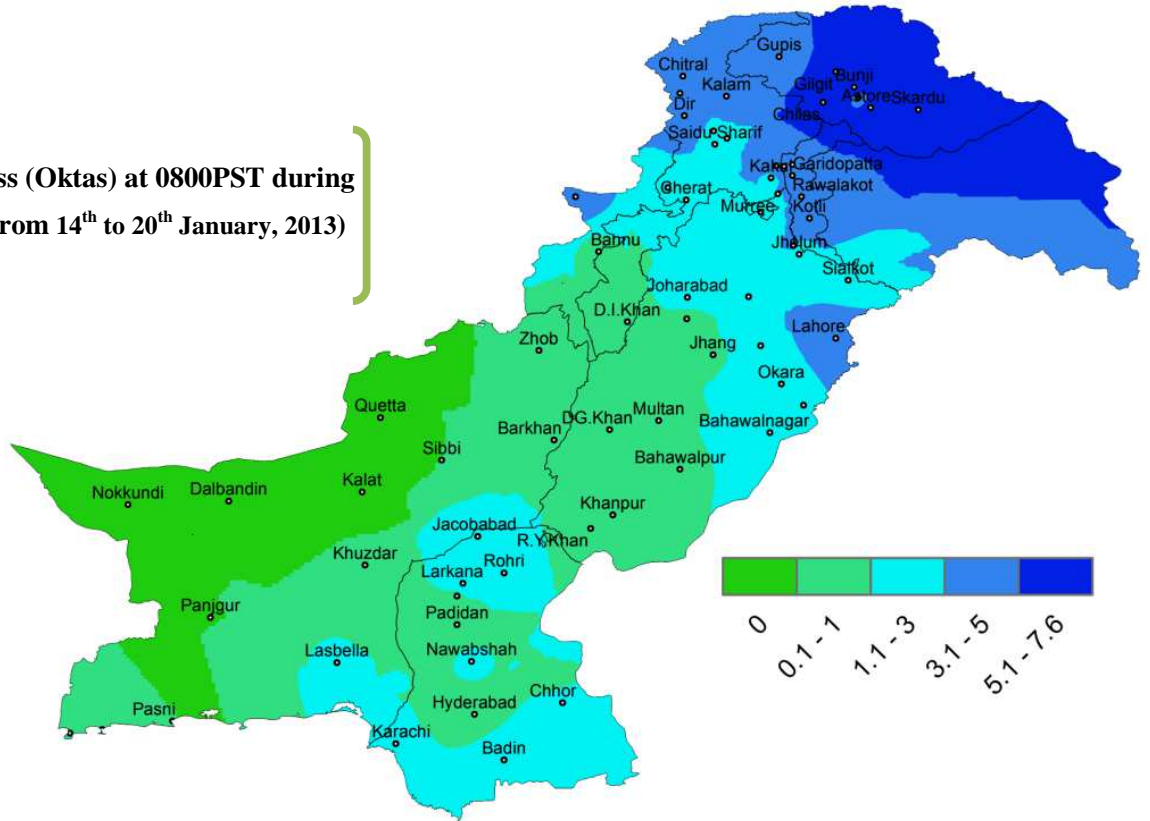
Mean relative humidity (%) during the last week (from 14th to 20th January, 2013)



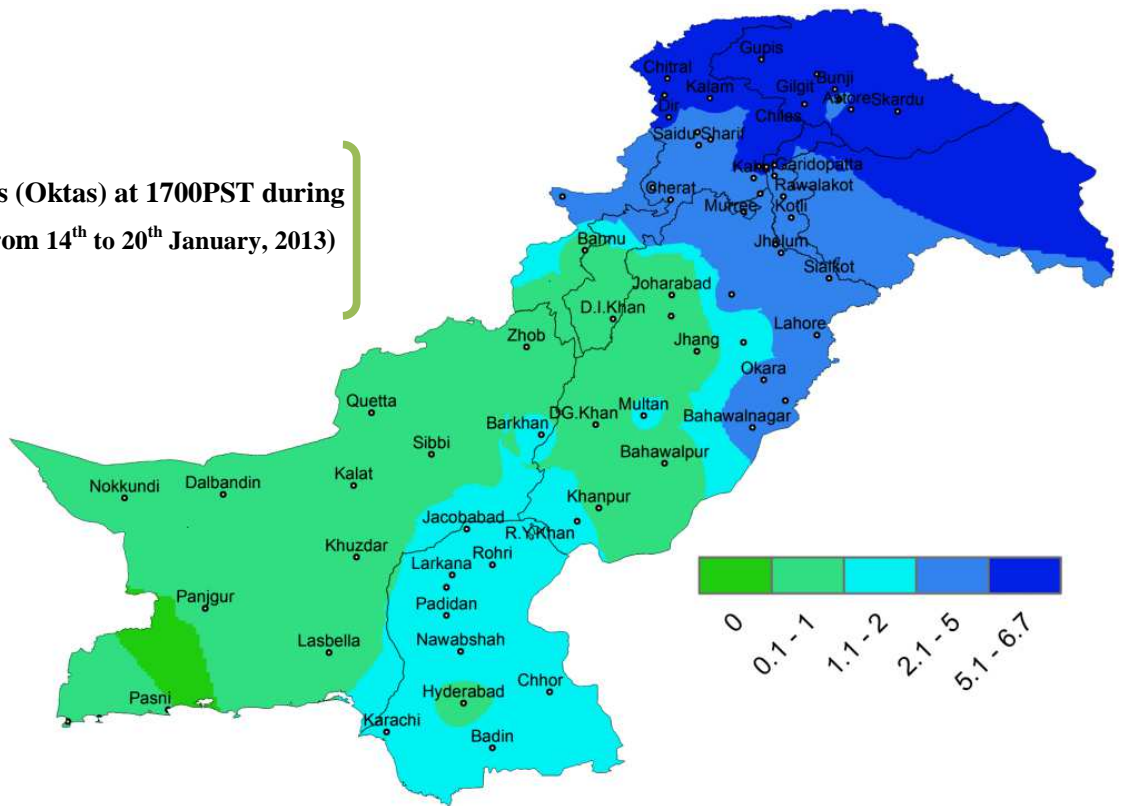
Total growing degree days accumulated during the last week (from 14th to 20th January, 2013)



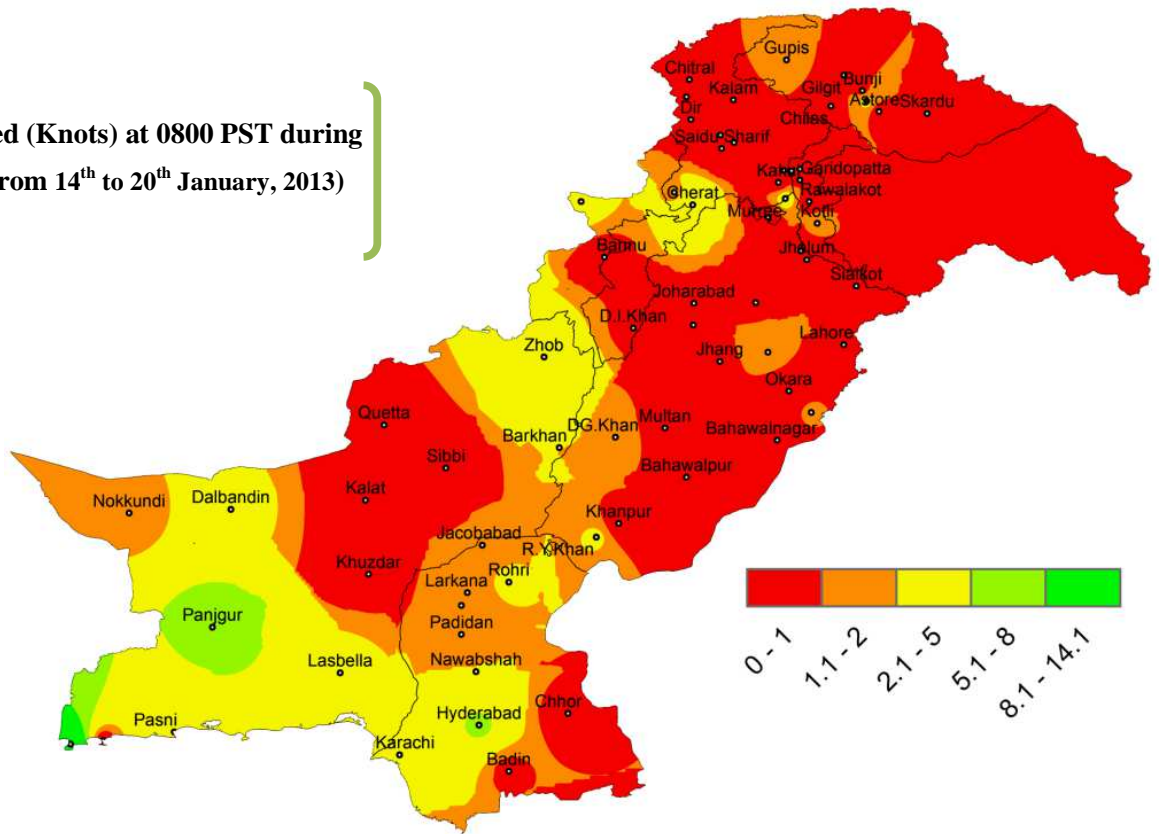
Mean Cloudiness (Oktas) at 0800PST during the last week (from 14th to 20th January, 2013)



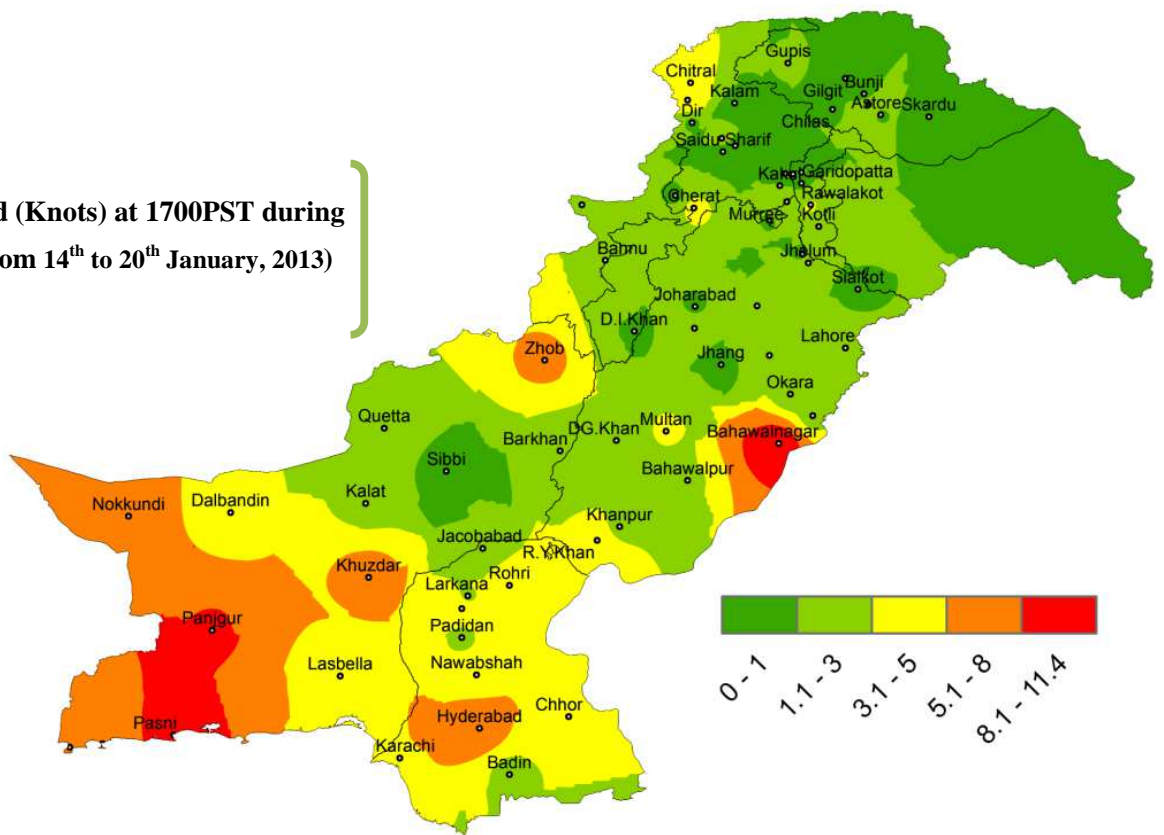
Mean Cloudiness (Oktas) at 1700PST during the last week (from 14th to 20th January, 2013)



Mean wind speed (Knots) at 0800 PST during the last week (from 14th to 20th January, 2013)



Mean wind speed (Knots) at 1700 PST during the last week (from 14th to 20th January, 2013)



Weekly Weather advisory for Farmers (from 21st to 27th January, 2013)

Continental air would prevail over most parts of the country during the week. However a shallow trough of westerly wave is likely to approach Northern parts of the Country on Tuesday (Night) & likely to persist during next 24 hrs.

Punjab including Islamabad:

Mainly cold & dry weather is expected in most parts of the province during the week. However light rain (with snowfall over the hills) is likely at isolated places of Islamabad/Rawalpindi division during Tuesday (Night) & Wednesday. Shallow foggy conditions (during morning) likely to prevail over Northeast Punjab during the week.

Khyber Pakhtunkhwa:

Mainly cold & dry weather is expected in most parts of the province during the week. However light rain (with snowfall over the hills) is expected at isolated places of Malakand & Hazara divisions during Tuesday (Night) & Wednesday.

Balochistan:

Mainly cold & dry weather is expected in most parts of the province during the week.

Sindh:

Mainly cold & dry weather is expected in most parts of the province during the week.

Kashmir:

Very Cold & Dry weather is expected in most parts of Kashmir during the week. However light rain (with snowfall over the hills) is expected at isolated places of Kashmir during Tuesday (Night) & Wednesday.

Gilgit-Baltistan:

Very Cold & dry weather is expected in most parts of Gilgit-Baltistan during the week. However light rain (with snowfall over the hills) is expected at

isolated places of GB during Tuesday (Night) & Wednesday.

Advises for Crops:

Sugarcane: Farmers are advised to manage irrigation practices as per weather prediction during the week.

General Information: Farmers of rainfed areas, obtaining crop water through tube wells are advised to schedule the irrigation according to the expected weather mentioned above during the week. It is advised to ensure field sanitation and spray prophylactic fungicidal sprays to prevent spread of diseases on vegetables.

Precautionary Measures for Animals Care:

Farmers in the lower half of the country especially those in central regions are advised to take up poultry rearing houses to maintain optimum room temperature and take care against the rapid changes in air temperature and relative humidity.

National Weather Data of Selected Cities
(Weekly data from 14th to 20th Jan, 2013)

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	-7.2	-9.7	***	65	0.0	5.6	5.7	0.3	0.9
Badin	11.9	10.0	***	60	0.0	1.9	1.9	0.6	2.3
Bahawalnagar	6.8	5.0	60.9	68	0.1	2.3	2.0	0.6	11.4
Bahawalpur	7.0	2.8	62.8	60	0.0	0.7	0.6	0.3	2.6
Balakot	2.5	-0.3	8.9	75	6.1	4.3	6.0	0.0	0.0
Bannu	2.1	0.0	48.6	57	0.0	0.4	0.4	0.3	2.9
Barkhan	0.9	-1.0	22.8	35	0.0	0.6	1.1	2.0	1.7
Bunji	-1.0	-2.0	***	65	1.3	7.7	6.6	0.6	0.0
Cherat	2.0	1.0	1.3	46	0.0	1.0	2.4	3.7	3.7
Chhor	7.6	3.0	78.2	68	0.0	1.0	1.3	0.0	3.1
Chilas	2.0	-0.5	8.1	60	7.1	6.3	6.1	0.0	0.9
Chitral	-3.4	-5.0	***	66	2.0	4.4	5.4	0.3	3.7
D.G.Khan	7.7	6.0	67.4	57	0.0	0.0	0.0	2.0	2.0
D.I.Khan	4.1	3.0	50.9	59	0.0	0.6	1.0	0.6	0.9
Dalbandin	-5.6	-6.0	0.5	40	0.0	0.0	0.9	2.9	3.4
Dir	-2.2	-4.0	***	74	2.0	4.4	5.1	0.0	0.6
Drosh	-2.4	-5.2	***	60	5.0	4.1	5.6	0.6	5.1
Faisalabad	4.4	2.5	44.9	66	3.0	2.8	1.1	1.4	2.3
Garidopatta	2.1	-0.5	22.0	73	18.0	4.3	4.0	0.9	0.9
Gawader	8.3	4.0	89.3	48	0.0	0.0	0.0	0.0	6.6
Gilgit	-1.8	-4.5	***	68	3.1	6.1	6.7	0.0	0.6
Gupis	-6.6	-8.0	***	50	0.0	3.1	5.0	2.0	1.1
Hyderabad	10.3	4.7	88.4	56	0.0	0.4	0.6	5.4	6.9
Islamabad	2.8	0.0	33.9	76	6.0	1.7	4.0	0.0	0.9
Jacobabad	9.4	6.5	84.8	66	3.0	1.6	1.1	1.2	1.1
Jhang	4.1	3.4	50.1	66	0.0	0.7	0.6	0.9	0.6
Jhelum	4.6	3.5	45.4	74	12.1	2.4	2.6	0.0	2.0
Jiwani	12.4	9.0	87.0	44	0.0	0.7	0.4	14.1	8.0
Joharabad	2.7	2.0	47.5	70	0.0	1.7	0.6	0.6	0.9
Kakul	-0.7	-3.1	3.5	73	2.0	2.6	4.1	0.0	1.1
Kalam	-7.9	-12.5	***	79	17.0	3.6	5.9	0.0	0.0
Kalat	-9.8	-13.0	***	29	0.0	0.0	0.0	0.0	2.3
Karachi	11.4	7.5	93.1	43	0.2	1.1	2.0	3.1	4.9
Khanpur	5.5	3.8	59.2	62	1.0	0.7	0.9	0.0	2.9
Khuzdar	0.5	-1.0	27.8	20	0.0	0.0	0.0	0.3	6.0
Kotli	4.5	2.6	***	71	59.0	3.9	2.7	1.6	2.3
Lahore	6.0	4.5	43.9	78	13.0	3.7	3.4	0.9	2.0
Larkana	6.1	4.0	66.9	63	0.2	1.6	1.4	1.3	2.6
Lasbella	6.0	2.0	74.0	40	0.1	1.1	0.4	2.9	3.1
Lower dir	1.0	-0.5	20.3	69	0.0	2.9	3.3	0.9	2.0
Malam jabba	-3.1	-6.0	***	79	32.0	3.0	4.3	0.0	0.7
Mandibahudin	5.7	4.5	44.7	75	5.0	2.8	2.4	0.9	1.1
Mangla	4.2	3.6	42.7	70	13.0	3.1	3.6	0.0	0.6
Mir khani	-1.9	-2.5	***	75	4.0	4.0	3.6	2.6	2.6
Moinjodaro	5.5	0.5	67.2	65	1.0	0.9	1.8	1.4	4.7

Multan	5.2	2.8	51.8	63	0.0	0.8	1.1	0.0	3.1
Murree	-2.4	-3.5	***	81	19.1	3.0	5.0	2.9	2.7
Muzaffarabad	4.0	2.8	31.6	74	12.0	4.0	5.3	1.1	0.0
Nokkundi	7.1	3.0	***	24	0.0	0.0	0.0	1.1	6.3
Noorpurthal	-1.6	-4.4	50.0	67	0.0	0.5	0.0	0.6	1.7
Okara	4.3	3.0	51.3	70	0.0	2.5	2.4	0.3	1.4
Padidan	7.5	3.0	58.3	72	2.1	0.0	1.4	1.4	2.6
Panjgur	6.1	3.0	14.5	48	0.0	0.0	0.0	6.4	8.3
Parachinar	-0.3	-1.5	***	57	0.0	4.7	4.0	3.0	3.0
Pasni	-9.5	-10.0	48.5	50	0.0	0.0	0.0	2.6	8.9
Pattan	10.1	7.0	***	59	16.0	4.7	5.4	0.3	1.1
Peshawar	5.2	4.0	39.0	63	0.0	2.1	3.1	1.7	0.6
Quetta	4.2	3.5	***	57	0.0	0.0	0.9	0.0	2.9
Rahim Yar Khan	-7.0	-11.0	60.6	61	0.1	0.6	1.1	2.3	3.4
Rawalakot	5.9	2.3	***	73	31.0	3.0	4.6	0.0	3.1
Rohri	2.9	1.0	***	56	2.0	1.1	2.0	2.3	5.0
Sahiwal	9.1	5.0	48.6	67	0.0	3.0	2.0	1.1	2.0
Saidu sharif	4.1	1.5	17.3	69	10.1	2.7	4.4	0.0	0.0
Sialkot	5.7	3.9	43.4	81	45.1	2.7	3.0	0.0	0.6
Sibbi	-2.5	-6.0	36.5	40	0.0	0.0	0.6	0.0	0.0
Skardu	-8.9	-12.6	***	77	17.0	5.5	6.4	0.0	0.0
Zhob	-1.0	-2.0	37.8	43	0.0	0.0	0.9	5.0	5.6

***Data not available