

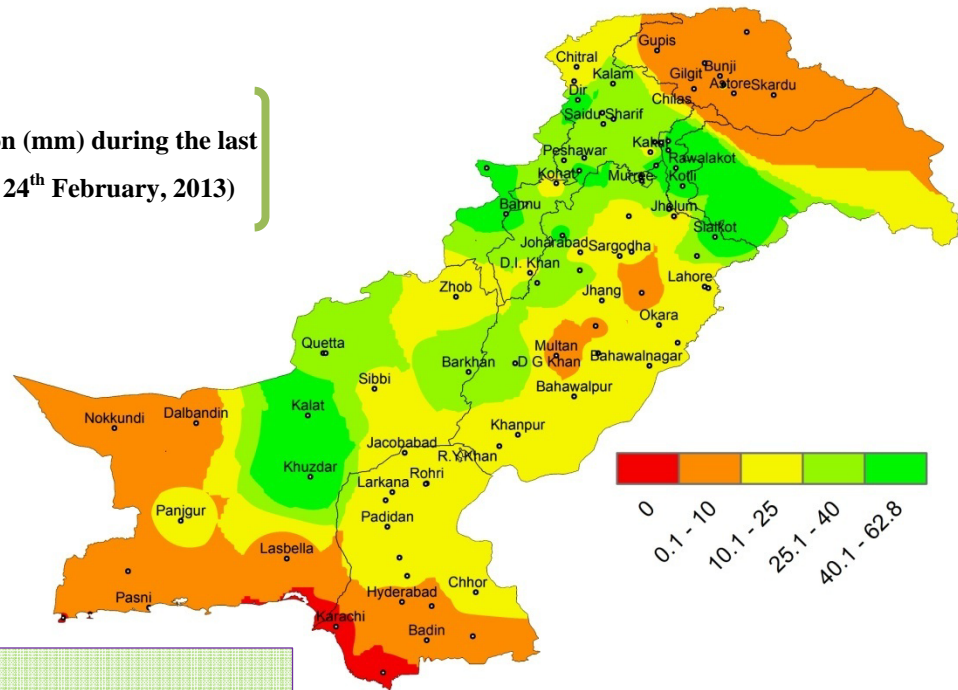
Weekly Weather and Crop Bulletin for Pakistan

**NATIONAL AGROMET CENTRE
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**Rainfall distribution (mm) during the last
week (from 18th to 24th February, 2013)**



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Highlights of Past Weather (18th to 24th February, 2013)

Light to moderate rainfall (with snow over the hills) occurred in most of the agricultural plains of the country.

Chief Editor: Dr. Khalid Mehmood Malik (Director)
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Punjab

Light to moderate precipitation reported from most of the agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 21.0°C & 9.9°C respectively. For the present season on average 71.7 growing degree days accumulated by the end of last week. Average relative humidity recorded as 77% and wind speed in the morning/evening recorded as 1.1/2.4 Knots. During the previous week the highest rainfall recorded at Sialkot as 62.0 mm and extreme minimum temperature recorded at Murree as -1.5 °C.

Sindh

Light to moderate rainfall reported from most places of the province during the week. Weekly maximum temperature and minimum temperature recorded as 27.0°C & 13.7°C respectively. For the present season on average 103.6 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 1.7/4.0 Knots. During the previous week the highest rainfall recorded at Chhor as 22.0 mm and extreme minimum temperature recorded as 8.7C at Dadu.

Khyber Pakhtoon Khawa (KP)

Light to moderate precipitation reported from most of the agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 15.0°C & 3.7°C respectively. For the present season on average 27.7 growing degree days accumulated by the end of last week. Average relative humidity recorded as 70 % and wind speed in the morning/evening recorded as 1.8/1.7 Knots. During the previous week the highest rainfall recorded at Dir as 51.0 mm and extreme minimum temperature recorded as -8.0°C at Parachinar.

Balochistan

Light to moderate precipitation reported from most of the agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 22.0°C & 8.7°C respectively. For the present season on average 66.7 growing degree days accumulated by the end of last week. Average relative humidity recorded as 59 % and wind speed in the morning/evening recorded as 1.8/5.5 Knots. During the previous week the highest rainfall recorded at Khuzdar as 60.0 mm and extreme minimum temperature recorded as -2.0°C at Kalat.

Gilgit Baltistan and Azad Jammu & Kashmir

Light to moderate precipitation reported from most of the agricultural plains of the region during the week. Weekly maximum temperature and minimum temperature recorded as 14.0°C & -2.0°C respectively. For the present season on average 17.2 growing degree days accumulated by the end of last week. Average relative humidity recorded as 62 % and wind speed in the morning/evening recorded as 0.7/1.3 Knots. During the previous week the highest rainfall recorded at Rawalakot as 63.0 mm and extreme minimum temperature recorded as -6.0°C at Astore.

Past Weather for Major Agricultural Plains

(from 18th to 24th February, 2013)

Rawalpindi (Potohar region)

Rainfall reported as 37.2 mm during the week however cloudiness in the morning/evening as 3.3/3.7 Oktas while average relative humidity observed as 75%. Mean night temperature recorded as 8.4°C & for the present season 61.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/2.0 Km/h.

Faisalabad (Central Punjab)

Rainfall reported as 3.9 mm during the week however cloudiness in the morning/evening as 5.4/5.0 Oktas while average relative humidity observed as 74%. Mean night temperature recorded as 10.5°C & for the present season 75.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/2.0 Km/h.

Tandojam (Lower Sindh)

Rainfall reported as Trace (indeterminate amount) during the week however cloudiness in the morning/evening as 0.6/1.7 Oktas while average relative humidity observed as 67%. Mean night temperature recorded as 13.9°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 2.3/2.3 Km/h.

Quetta (Northern Balochistan)

Rainfall reported as 31.2 mm during the week however cloudiness in the morning/evening as 3.9/6.7 Oktas while average relative humidity observed as 50%. Mean night temperature observed as 3.0°C & for the present season 21.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.3/4.7 Km/h.

Usta Muhammad (Eastern Balochistan)

Rainfall reported as 17.4 mm during the week however cloudiness in the morning/evening as 1.4/2.0 Oktas while average relative humidity

observed as 90%. Mean night temperature recorded as 13.1°C & for the present season 87.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.1 Km/h.

Past Weather for sub regional Agri-cultural Plains (from 18th to 24th February, 2013)

Rohri

Rainfall reported as 17.0 mm during the week however cloudiness in the morning/evening as 3.0/3.1 Oktas while average relative humidity observed as 70%. Mean night temperature recorded as 13.4°C & for the present season 96.0 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 2.6/2.9 Knots.

Multan

Rainfall reported as 6.1 mm during the week however cloudiness in the morning/evening as 4.8/4.3 Oktas while average relative humidity observed as 77%. Mean night temperature recorded as 12.2°C & for the present season 83.2 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 1.2/3.7 Knots.

Lahore

Rainfall reported as 9.0 mm during the week however cloudiness in the morning/evening as 4.4/4.0 Oktas while average relative humidity observed as 79%. Mean night temperature recorded as 10.6°C & for the present season 73.1 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 0.6/3.4 Knots.

Zhob

Precipitation reported as 18.0 mm during the week however cloudiness in the morning/evening as 4.6/4.0 Oktas while average relative humidity observed as 64%. Mean night temperature recorded as 3.2°C & for the present season 30.5 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 5.0/6.1 Knots.

D.I. Khan

Rainfall reported as 21.0 mm during the week however cloudiness in the morning/evening as 3.9/2.6 Oktas while average relative humidity observed as 80%. Mean night temperature recorded as 9.6°C & for the present season 72.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.0 Knots.

Peshawar

Rainfall reported as 26.0 mm during the week however cloudiness in the morning/evening as 4.3/5.3 Oktas while average relative humidity observed as 70%. Mean night temperature recorded as 9.6°C. Wind speed recorded in the morning/evening as 1.7/1.7Knots.

Murree

Precipitation reported as 54.0 mm during the week however cloudiness in the morning/evening as 3.6/6.3 Oktas while average relative humidity observed as 74%. Mean night temperature recorded as -0.1°C. Wind speed recorded in the morning/evening as 1.7/ 1.9Knots.

Kalam

Precipitation reported as 38.0 mm during the week however cloudiness in the morning/evening as 6.4/6.0 Oktas while average relative humidity observed as 73%. Mean night temperature recorded as -2.8°C & Wind speed recorded in the morning/evening as 0.0/0.3Knots

Gilgit.

Precipitation reported as 0.2 mm during the week however cloudiness in the morning/evening as 7.3/6.7 Oktas while average relative humidity observed as 59%. Mean night temperature recorded as 1.4°C & for the present season 23.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.6 Knots.

Skardu

Precipitation reported as 1.2 mm during the week however cloudiness in the morning/evening as 6.4/6.6 Oktas while average relative humidity observed as 64%. Mean night temperature recorded as -2.0°C and 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 Centres)

Potohar Region (Rawalpindi)

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

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

Lower Sindh (Tandojam)

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

Wheat (TJ-83): Good condition at Wax Maturity.

Northern Balochistan (Quetta)

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

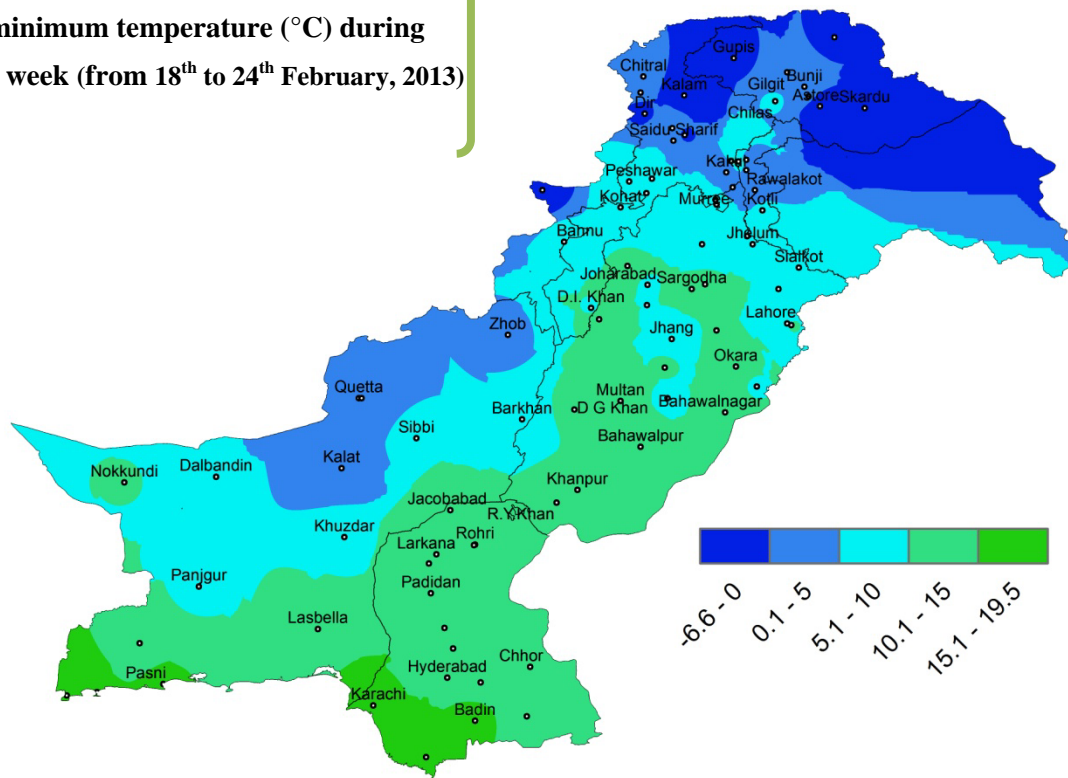
Wheat: Good condition at *Tillering* stage.

Eastern Balochistan (Usta Muhammad)

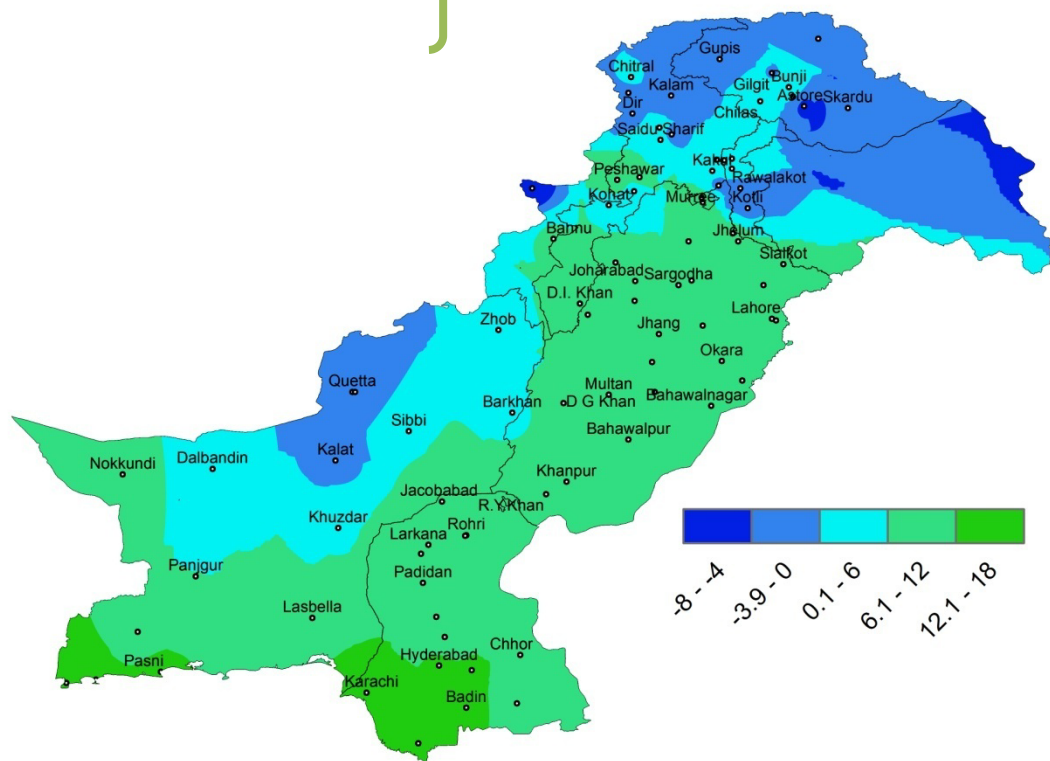
There is presently one crop (irrigated conditions) grown in the fields as detailed below.

Wheat: Good condition at *Tillering almost completed*.

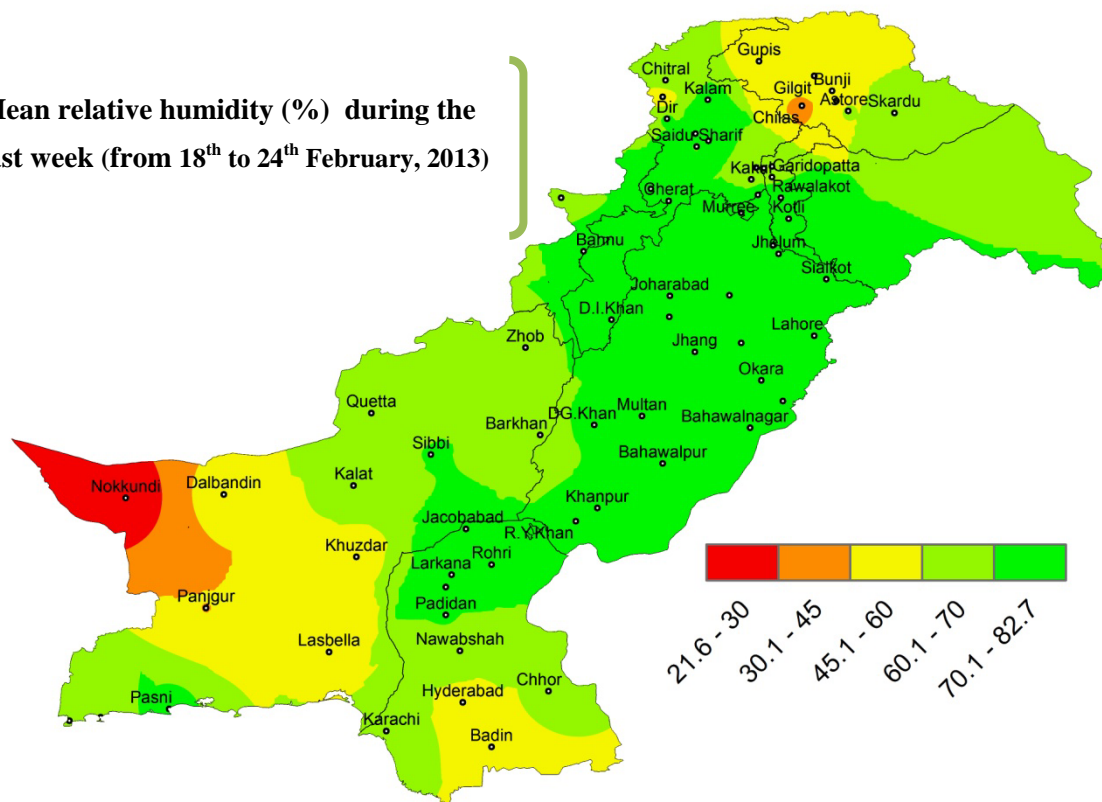
**Mean minimum temperature (°C) during
the last week (from 18th to 24th February, 2013)**



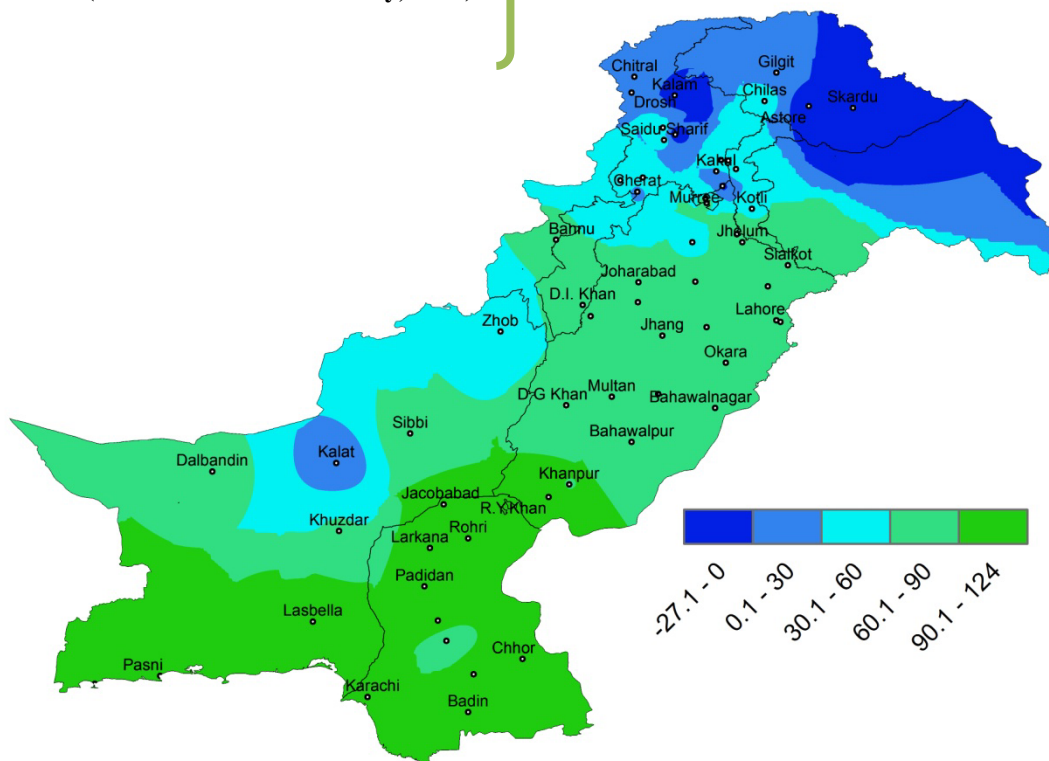
**Extreme minimum temperature (°C) during
the last week (from 18th to 24th February, 2013)**



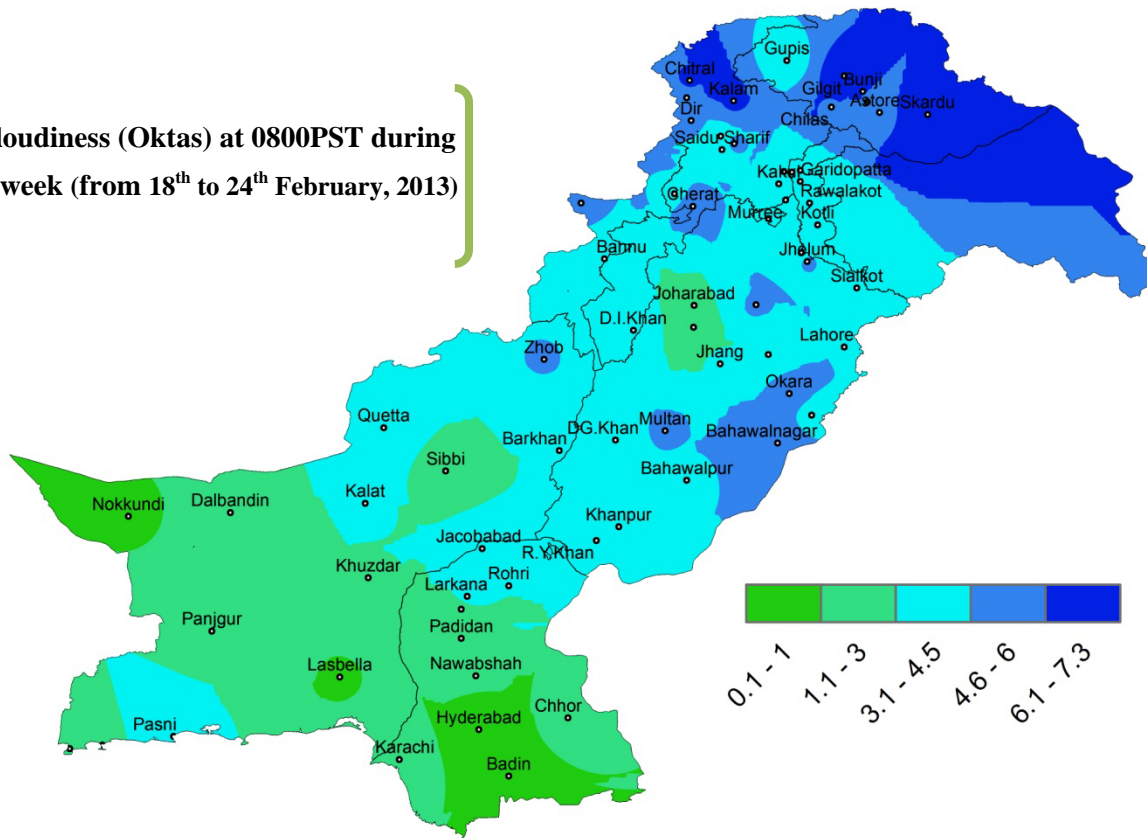
Mean relative humidity (%) during the last week (from 18th to 24th February, 2013)



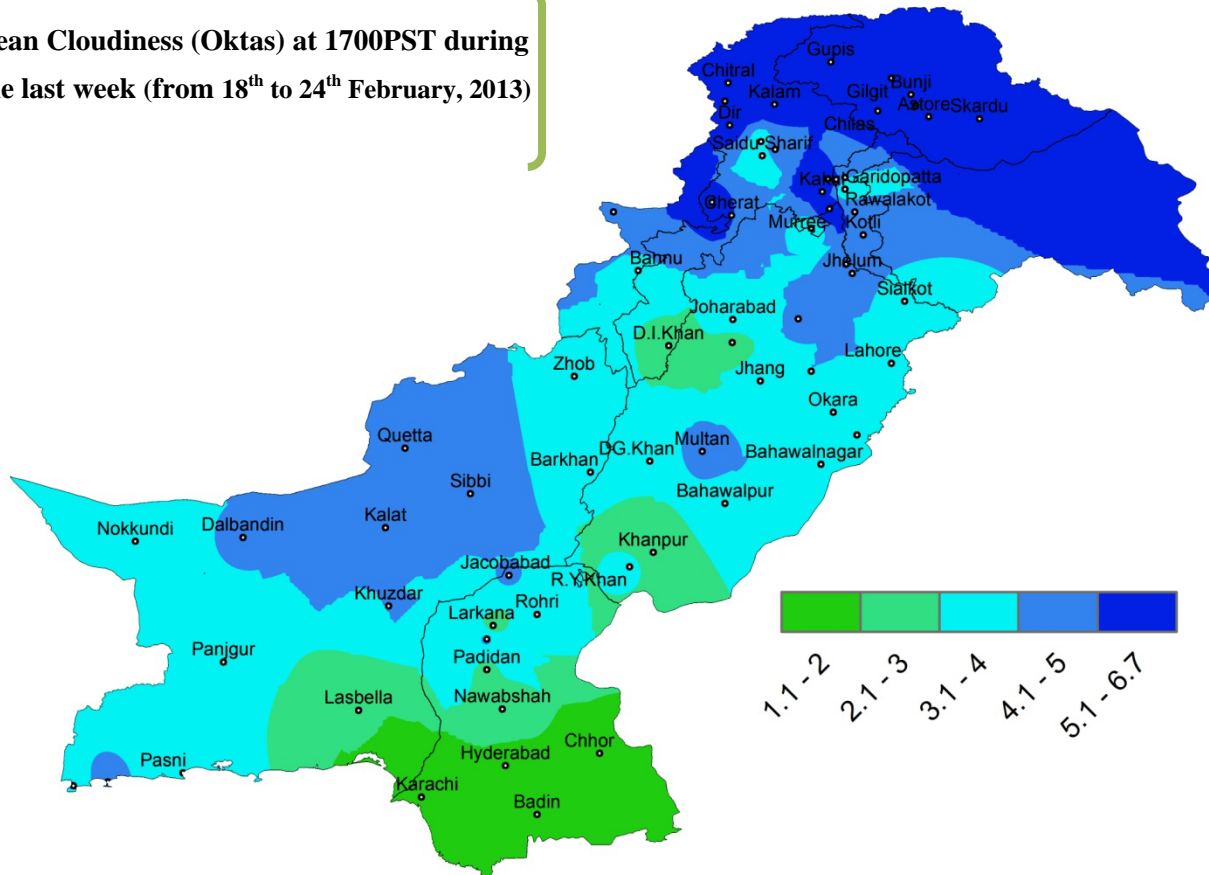
Total growing degree days accumulated during the last week (from 18th to 24th February, 2013)



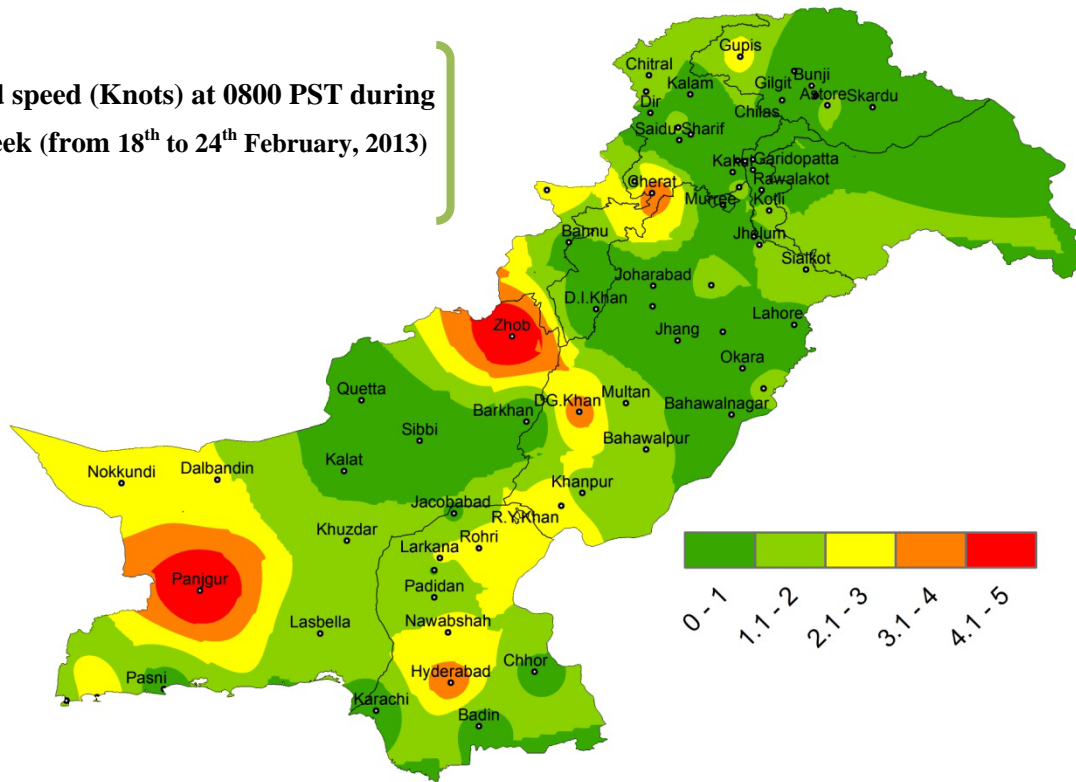
**Mean Cloudiness (Oktas) at 0800PST during
the last week (from 18th to 24th February, 2013)**



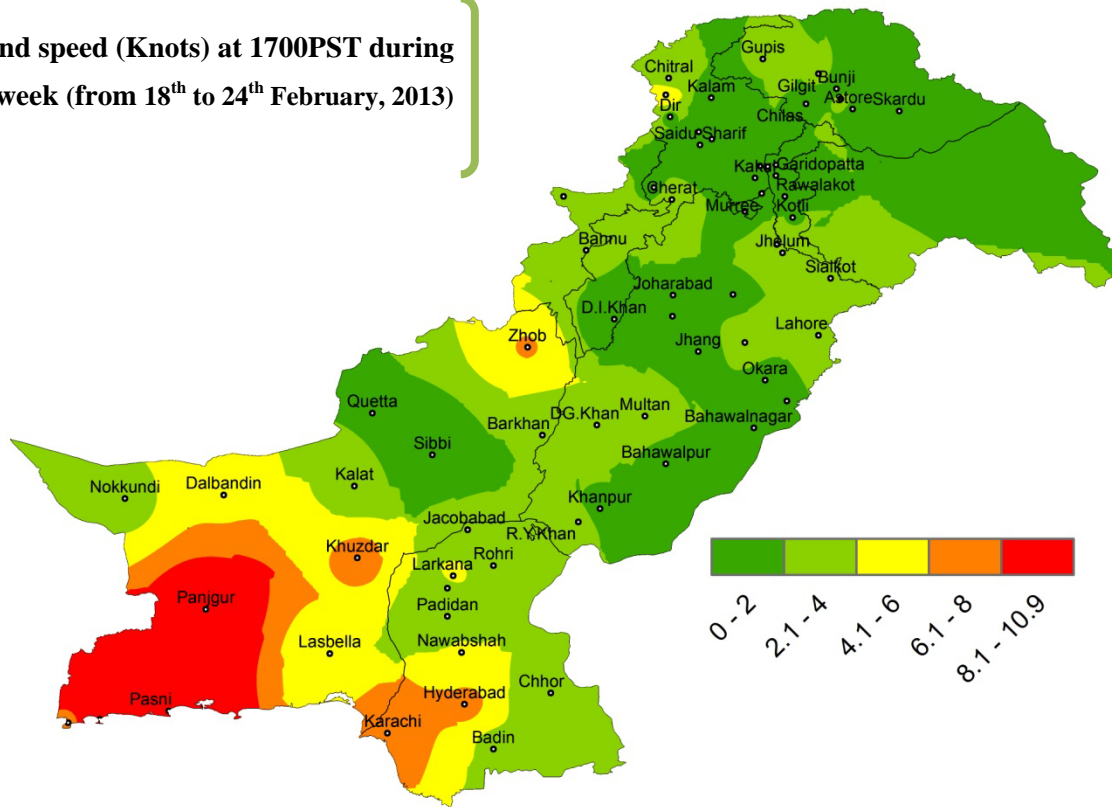
**Mean Cloudiness (Oktas) at 1700PST during
the last week (from 18th to 24th February, 2013)**



Mean wind speed (Knots) at 0800 PST during
the last week (from 18th to 24th February, 2013)



Mean wind speed (Knots) at 1700PST during
the last week (from 18th to 24th February, 2013)



Weekly Weather advisory for Farmers (from 25th February to 3rd March, 2013)

A fresh westerly wave is likely to approach western and upper parts of the country during Monday (Evening/ night) and likely to grip upper parts of the country during next 24 hours. This weather system is expected to persist till Wednesday. Continental air would prevail over most parts of the country during rest of the week.

Punjab including Islamabad:

Scattered rain-Thunderstorm with snowfall over the hills is expected in Punjab including Islamabad on Tuesday and Wednesday. Cold and Dry weather is expected over most parts of the province during second half of the week.

Khyber Pakhtunkhwa:

Isolated rain-thunderstorm is expected in western parts of the province (D.I.Khan, Malakand and Peshawar divisions) on Monday, while scattered rain-Thunderstorm with snow fall over the hills (isolated heavy falls in Peshawar, Kohat and Bannu divisions) is expected in the province on Tuesday and Wednesday. Cold and Dry weather is expected over most parts of the province during second half of the week..

Balochistan:

Scattered rain-Thunderstorm with snowfall over the hills is expected in Balochistan (Quetta, Zhob, Sibbi and Kalat divisions) on Monday (evening/night) and Tuesday. Cold and Dry weather is expected over most parts of the province during rest of the week..

Sindh:

Isolated rain-thunderstorm is likely at isolated places of upper Sindh (Sukkur and Larkana divisions) on Monday (evening/night) and Tuesday. Cold and Dry weather is expected over most parts of the province during rest of the week.

Kashmir:

Isolated rain-thunderstorm is expected in Kashmir on Monday, while scattered rain-Thunderstorm with snow fall over the hills is expected during Tuesday and Wednesday. Cold and Dry weather is expected during second half of the week.

Gilgit-Baltistan:

Isolated rain-thunderstorm is expected in Gilgit-Baltistan on Monday, while scattered rain with snow fall over the hills is expected during Tuesday to Thursday. Cold and Dry weather is expected during rest of the week.

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 18th to 24th Feb, 2013)

STATIONS	Minimum/Night Temperature (°C)		Growing Deg. Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Oktas) 0800 PST	Cloudiness (Oktas) 1700 PST	Wind Speed (Knots) 0800 PST	Wind Speed (Knots) 1700 PST
	Mean	Lowest Min							
Astore	-4.1	-6.0	***	62	0.0	5.9	6.0	1.4	1.7
Badin	16.1	14.0	123.0	58	0.0	0.6	1.1	0.6	3.4
Bahawalnagar	11.7	8.4	82.2	74	19.1	6.0	3.6	0.0	1.7
Bahawalpur	11.8	9.9	86.6	72	12.0	4.1	3.9	1.1	0.6
Balakot	5.0	3.9	41.4	68	34.0	4.6	5.4	0.0	0.7
Bannu	8.8	7.8	65.9	72	42.0	3.4	3.9	14.7	2.9
Barkhan	5.7	4.5	***	65	35.0	3.1	3.3	0.0	2.3
Bunji	5.1	3.9	***	46	0.1	6.0	6.7	1.1	0.3
Cherat	4.9	3.5	22.8	82	48.0	4.9	5.0	3.7	2.9
Chhor	13.5	11.5	117.2	61	22.0	1.4	1.4	0.9	2.0
Chilas	5.5	5.0	42.0	43	2.2	5.9	5.7	0.9	1.7
Chitral	1.6	1.0	19.2	67	12.0	6.1	5.9	1.7	2.3
D.G..Khan	11.8	10.2	84.5	72	33.0	3.5	3.3	3.4	3.7
D.I.Khan	9.6	7.5	72.3	80	21.0	3.9	2.6	0.0	0.0
Dalbandin	6.1	3.5	72.5	51	4.1	1.1	4.1	2.0	5.7
Dir	-0.7	-2.0	***	71	51.0	5.0	6.1	0.0	1.6
Drosh	0.2	-1.5	12.6	53	15.0	5.7	6.3	2.0	6.0
Faisalabad	10.1	7.0	72.1	79	4.2	3.2	4.0	0.3	3.4
Garidopatta	4.6	2.0	44.2	68	50.0	4.0	3.0	0.0	0.9
Gawader	15.8	14.5	118.8	66	0.0	2.9	4.1	2.6	9.7
Gilgit	1.4	-0.5	23.1	59	0.2	7.3	6.7	0.0	2.6

Gupis	-2.1	-3.5	***	51	4.0	3.3	5.3	2.3	2.3
Hyderabad	14.6	13.0	***	58	0.1	0.1	1.6	3.4	6.6
Islamabad	8.0	7.0	60.5	80	39.0	4.0	3.1	0.0	14.9
Jacobabad	13.2	12.0	95.0	72	17.0	3.7	4.1	0.9	2.6
Jhang	9.4	6.3	72.6	81	18.0	3.2	3.3	0.3	0.6
Jhelum	10.1	8.8	77.8	73	6.0	4.7	4.0	1.1	2.0
Jiwani	19.6	18.0	***	69	0.0	2.4	3.9	1.7	7.7
Joharabad	9.9	7.5	72.5	83	12.0	2.9	3.7	0.9	2.0
Kakul	2.8	1.2	26.6	68	18.0	3.1	5.0	0.0	1.1
Kalam	-2.8	-4.0	***	73	38.0	6.4	6.0	0.0	0.3
Kalat	1.0	-2.0	10.5	65	51.0	3.3	4.6	0.9	2.9
Karachi	16.8	14.5	124.1	65	0.0	1.9	1.4	0.6	7.1
Khanpur	12.1	10.5	89.9	73	20.1	3.9	2.0	1.4	1.4
Khuzdar	7.7	5.0	62.0	55	60.0	2.9	4.0	1.4	6.6
Kotli	7.0	-3.5	55.5	73	51.0	3.9	4.6	1.4	1.9
Lahore	10.6	9.0	73.1	79	9.0	4.4	4.0	0.6	3.4
Larkana	13.8	12.0	98.3	76	19.1	3.3	2.6	2.3	4.6
Lasbella	13.4	9.5	115.8	56	0.0	0.9	2.0	1.1	4.3
Lower Dir	4.8	2.5	45.0	76	33.0	3.6	3.7	2.0	2.0
Malam Jabba	-2.0	-3.0	***	73	34.0	4.9	4.9	0.0	0.0
Mandibahudin	10.8	8.5	75.5	81	11.0	4.7	4.1	1.1	1.4
Mangla	8.3	7.8	68.3	75	40.0	4.0	4.6	0.6	3.4
Mir Khani	0.6	0.2	***	53	13.0	6.0	5.1	0.0	2.9
Moinjodaro	13.4	10.0	***	73	13.1	2.6	4.2	0.9	3.0
Multan	12.2	10.5	83.2	77	6.1	4.8	4.3	1.2	3.7
Murree	-0.1	-1.5	***	74	54.0	3.6	6.3	1.7	1.9
Muzaffarabad	6.8	6.0	54.0	67	33.0	4.0	5.3	0.0	0.3
Nokkundi	10.3	8.0	***	22	0.0	0.9	3.1	2.6	3.1

Noorpurthal	10.0	7.8	75.5	79	33.0	2.1	2.6	0.3	1.4
Okara	10.9	8.5	75.4	80	17.0	5.6	3.9	0.3	1.1
Padidan	12.6	9.5	98.8	71	10.1	3.0	2.9	1.7	2.6
Panjgur	8.7	6.0	73.5	45	13.0	2.4	3.4	4.9	10.9
Parachinar	-6.6	-8.0	***	69	51.0	5.0	4.9	3.0	3.0
Pasni	16.4	14.0	117.3	73	0.0	3.9	3.4	0.6	10.0
Pattan	4.2	3.0	***	61	45.0	4.6	4.0	0.9	1.1
Peshawar	9.6	9.0	***	70	26.0	4.3	5.3	1.7	1.7
Quetta	0.8	-1.5	20.5	67	39.1	4.4	4.3	0.6	2.0
R.Y.Khan	12.2	10.2	93.6	71	12.2	3.7	3.3	2.9	2.6
Rawalakot	0.2	-1.7	***	82	63.0	3.4	4.7	0.0	2.0
Rohri	13.4	10.0	96.0	70	17.0	3.0	3.1	2.6	2.9
Sahiwal	9.7	6.2	76.4	82	11.1	3.7	4.0	1.4	2.0
Saidu Sharif	5.0	4.0	39.3	69	28.0	4.0	3.1	0.0	0.0
Sialkot	9.1	7.0	68.0	82	61.0	4.0	3.7	2.0	3.4
Sibbi	8.1	5.0	75.2	70	21.0	2.1	4.7	0.0	0.0
Skardu	-2.0	-3.6	***	64	1.2	6.4	6.6	0.0	0.0
Zhob	3.2	1.5	30.5	64	18.0	4.6	4.0	5.0	6.1

***Data not available