

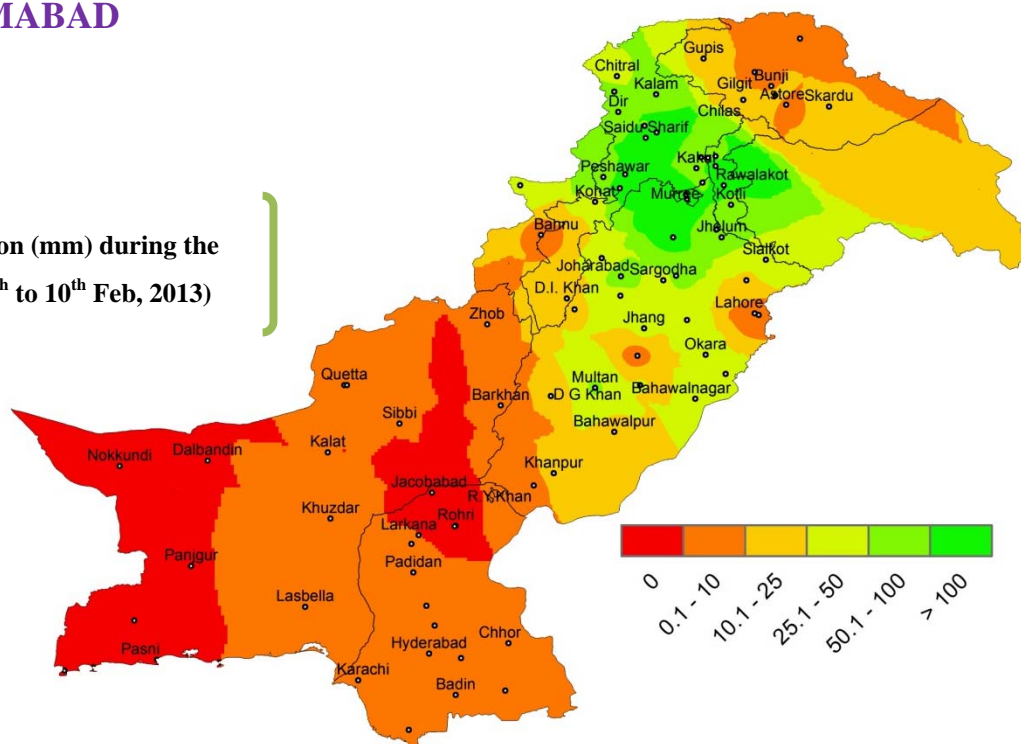
Weekly Weather and Crop Bulletin for Pakistan

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Rainfall distribution (mm) during the
last week (from 4th to 10th Feb, 2013)



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Highlights of Past Weather (4th Feb to 10th Feb, 2013)

Heavy to moderate rainfall with snowfall over hills was reported from most of the agricultural plains of the country, especially in the upper half of the country.

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

Punjab

Heavy to moderate precipitation reported from most of the agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 19.7°C & 7.2°C respectively. For the present season on average 58.4 growing degree days accumulated by the end of last week. Average relative humidity recorded as 74% and wind speed in the morning/evening recorded as 2.5/3.3 Knots. During the previous week the highest rainfall recorded at Islamabad as 190.1 mm and extreme minimum temperature recorded at Murree as -4.5 °C.

Sindh

Light to moderate rainfall reported from scattered places of the province during the week. Weekly maximum temperature and minimum temperature recorded as 24.6°C & 9.2°C respectively. For the present season on average 82.7 growing degree days accumulated by the end of last week. Average relative humidity recorded as 57 % and wind speed in the morning/evening recorded as 1.3/4.4 Knots. During the previous week the highest rainfall recorded at Karachi as 11.0 mm and extreme minimum temperature recorded as 3°C at Moen-Jo-Daro.

Khyber Pakhtoon Khawa (KP)

Heavy to moderate precipitation reported from most of the agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 12.4°C & 0.5°C respectively. For the present season on average 9.0 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 1.3/2.1 Knots. During the previous week the highest rainfall recorded at Malam Jabba as 229.0 mm and extreme minimum temperature recorded as -11.5°C at Parachinar.

Balochistan

Heavy to moderate precipitation reported from most of the agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 20.0°C & 4.4°C respectively. For the present season on average 47.9 growing degree days accumulated by the end of last week. Average relative humidity recorded as 49 % and wind speed in the morning/evening recorded as 2.3/4.9 Knots. During the previous week the highest rainfall recorded at Khuzdar as 46.0 mm and extreme minimum temperature recorded as -8.0 °C at Kallat.

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 1.3°C & -0.8°C respectively. For the present season on average 1.2 growing degree days accumulated by the end of last week. Average relative humidity recorded as 64 % and wind speed in the morning/evening recorded as 1.1/1.8 Knots. During the previous week the highest rainfall recorded at Rawalakot as 231.0 mm and extreme minimum temperature recorded as -13.0°C at Astore.

Past Weather for Major Agricultural Plains (from 4th Feb to 10th Feb, 2013)

Rawalpindi (Potohar region)

Rainfall reported as 174.0 mm during the week however cloudiness in the morning/evening as 2.3/2.6 Oktas while average relative humidity observed as 75%. Mean night temperature recorded as 5.1°C & for the present season 46.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.1/3.0 Km/h.

Faisalabad (Central Punjab)

Rainfall reported as 29.8 mm during the week however cloudiness in the morning/evening as 1.4/2.0 Oktas while average relative humidity observed as 69%. Mean night temperature recorded as 7.7°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 2.4/3.0 Km/h.

Tandojam (Lower Sindh)

Rainfall reported as 3.0 mm during the week however cloudiness in the morning/evening as 0.8/1.3 Oktas while average relative humidity observed as 48%. Mean night temperature recorded as 9.9°C & for the present season 83.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.3/3.0 Km/h.

Quetta (Northern Balochistan)

Rainfall reported as Trace during the week however cloudiness in the morning/evening as 1.4/2.4 Oktas while average relative humidity observed as 46%. Mean night temperature observed as -0.9°C & for the present season 1.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.6/6.0 Km/h.

Usta Muhammad (Eastern Balochistan)

No Rainfall reported during the week however cloudiness in the morning/evening as 0.3/0.6 Oktas while average relative humidity observed as 78%.

Mean night temperature recorded as 8.5°C & for the present season 76.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.6/2.6 Km/h.

Past Weather for sub regional Agri-cultural Plains (from 4th Feb to 10th Feb, 2013)

Rohri

No Rainfall reported during the week however cloudiness in the morning/evening as 0.6/1.0 Oktas while average relative humidity observed as 57%. Mean night temperature recorded as 9.5°C & for the present season 79.8 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 0.6/1.1 Knots.

Multan

Rainfall reported as 52.0 mm during the week however cloudiness in the morning/evening as 2.6/1.0 Oktas while average relative humidity observed as 72%. Mean night temperature recorded as 9.1°C & for the present season 69.2 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 3.3/3.1 Knots.

Lahore

Rainfall reported as 11.0 mm during the week however cloudiness in the morning/evening as 2.3/1.7 Oktas while average relative humidity observed as 71%. Mean night temperature recorded as 8.6°C & for the present season 64.2 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 3.1/4.6 Knots.

Zhob

No Rainfall reported during the week however cloudiness in the morning/evening as 1.1/1.7 Oktas while average relative humidity observed as 50%. Mean night temperature recorded as 1.9°C & for the present season 25.8 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 4.1/6.7 Knots.

D.I. Khan

Rainfall reported as 24.0 mm during the week however cloudiness in the morning/evening as 1.7/1.4 Oktas while average relative humidity observed as 42%. Mean night temperature recorded as 6.7°C & for the present season 57.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/2.9 Knots.

Peshawar

Rainfall reported as 64.0 mm during the week however cloudiness in the morning/evening as 2.9/2.3 Oktas while average relative humidity observed as 77%. Mean night temperature recorded as 6.0°C & for the present season 44.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/2.3 Knots.

Murree

Precipitation reported as 85.0 mm during the week however cloudiness in the morning/evening as 2.3/4.0 Oktas while average relative humidity observed as 65%. Mean night temperature recorded as -1.1°C & for the present season -9.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 9.3/7.1 Knots.

Kalam

Precipitation reported as 74.0 mm during the week however cloudiness in the morning/evening as 2.6/2.7 Oktas while average relative humidity observed as 72%. Mean night temperature recorded as -6.6°C & wind recorded in the morning/evening as Calm (no wind).

Gilgit.

Precipitation reported as 2.1 mm during the week however cloudiness in the morning/evening as 4.7/5.4 Oktas while average relative humidity observed as 57%. Mean night temperature recorded as -0.2°C & for the present season 8.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.1 Knots.

Skardu

Precipitation reported as 14.1 mm during the week however cloudiness in the morning/evening as 4.2/5.0 Oktas while average relative humidity observed as 74%. Mean night temperature recorded as -8.1°C and wind speed recorded in the morning/evening as 0.0/0.4 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 Milk Maturity.

Northern Balochistan (Quetta)

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

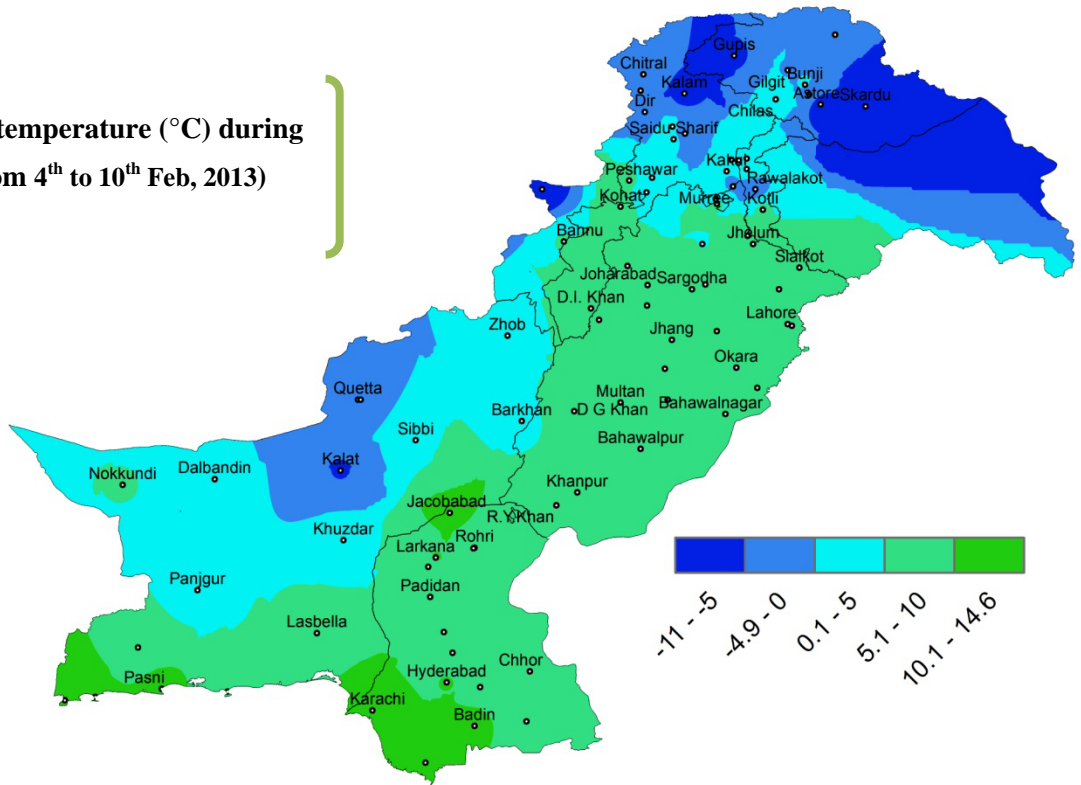
Wheat: Good condition at *Tillering* stage.

Eastern Balochistan (Usta Muhammad)

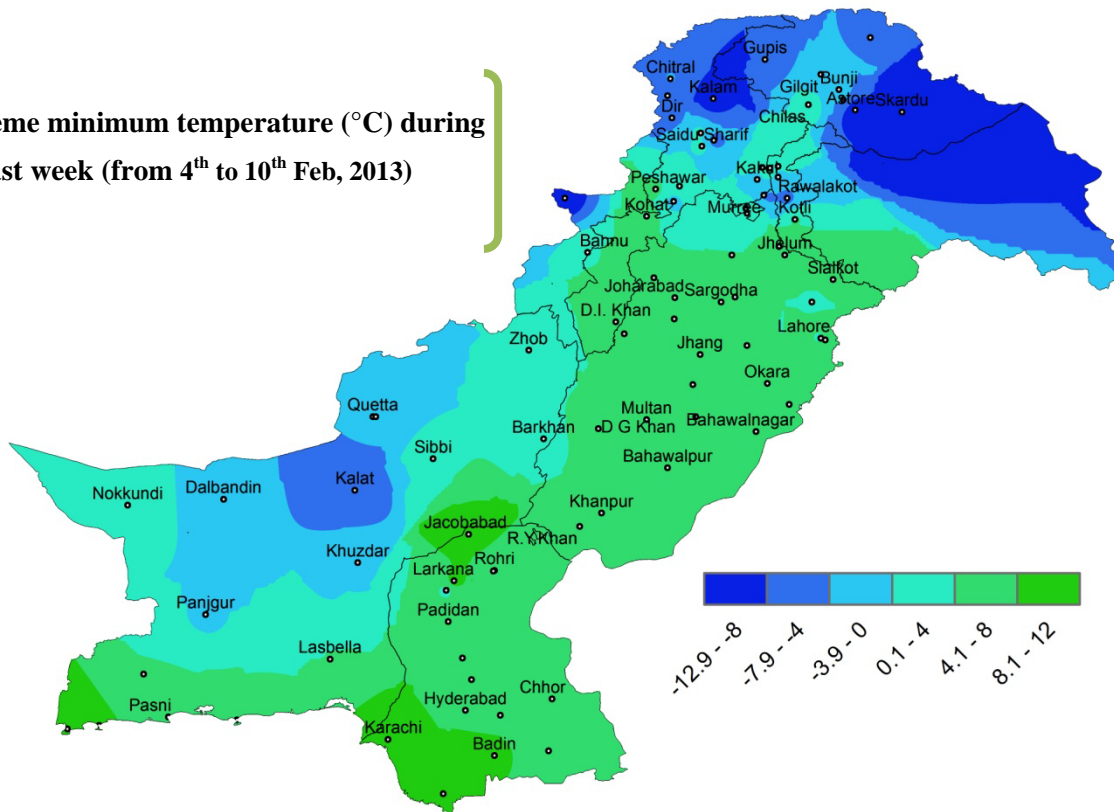
There is presently one crop (irrigated conditions) grown in the fields as detailed below.

Wheat: Good condition at *Third leaf* stage.

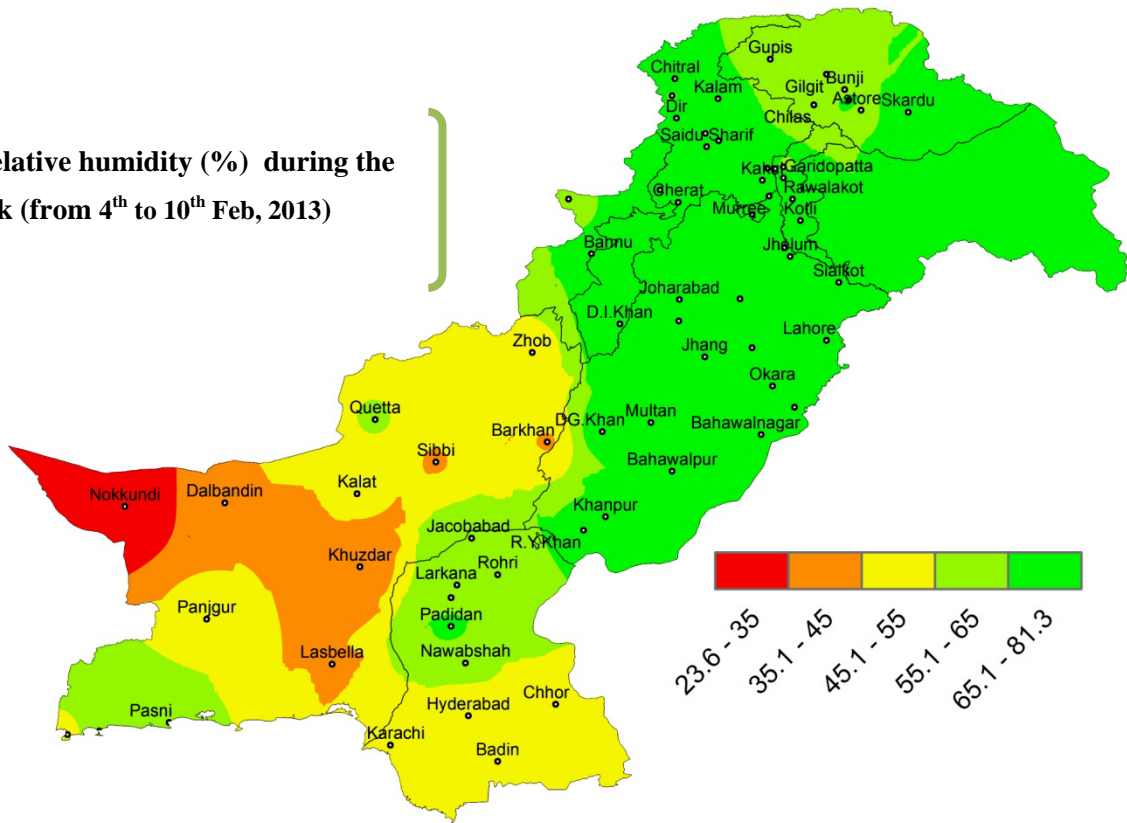
Mean minimum temperature (°C) during the last week (from 4th to 10th Feb, 2013)



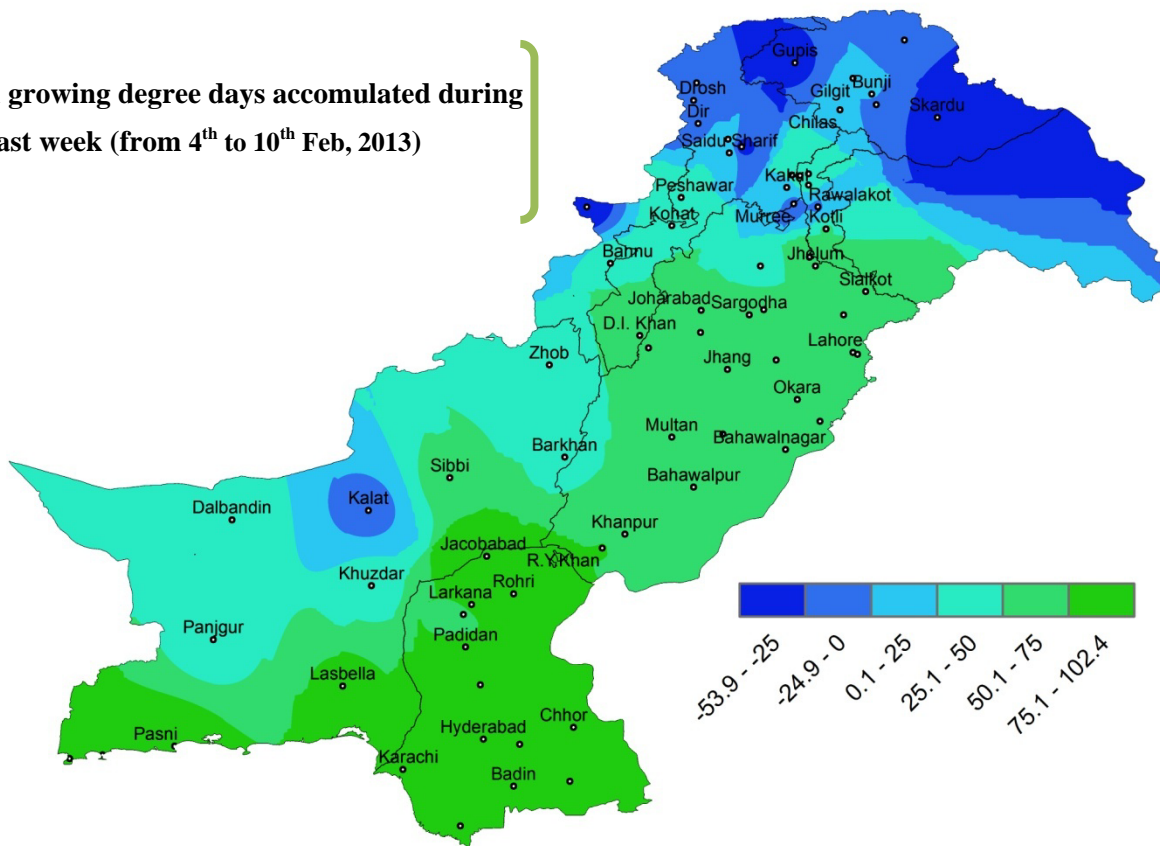
Extreme minimum temperature (°C) during the last week (from 4th to 10th Feb, 2013)



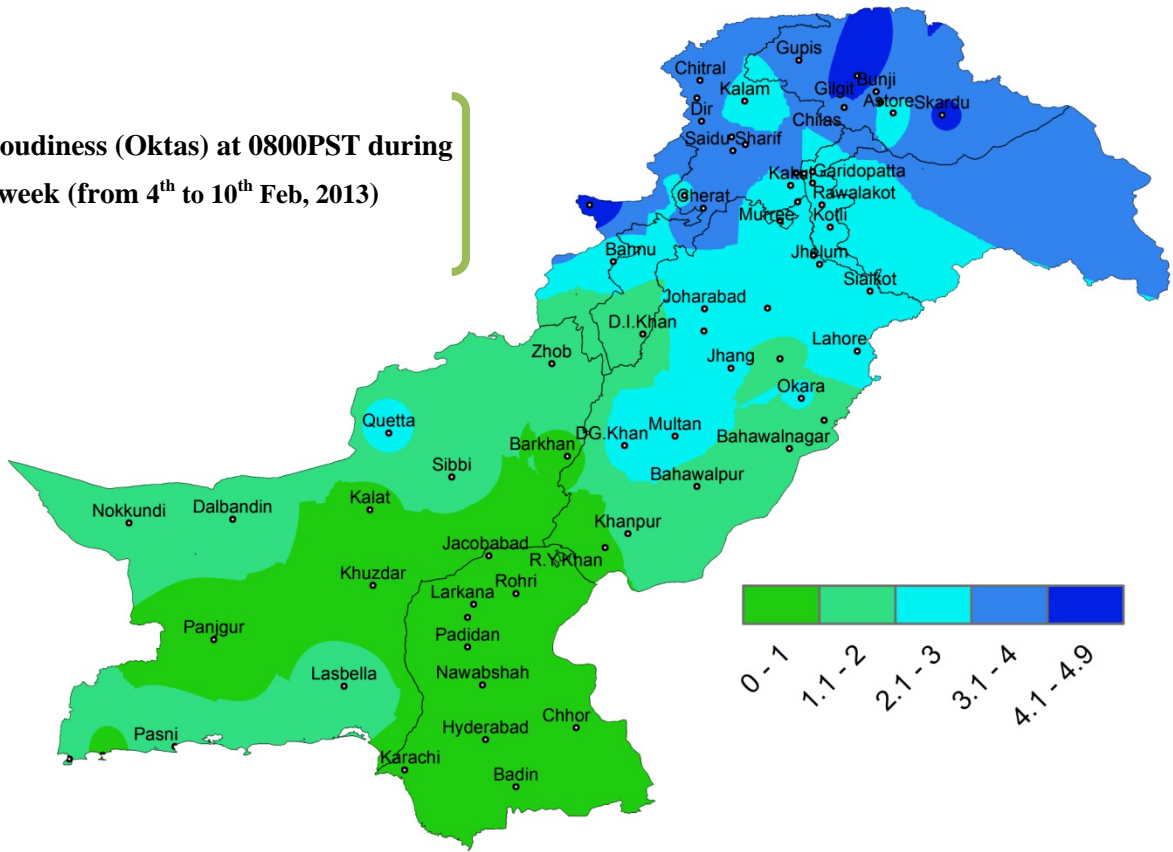
Mean relative humidity (%) during the last week (from 4th to 10th Feb, 2013)



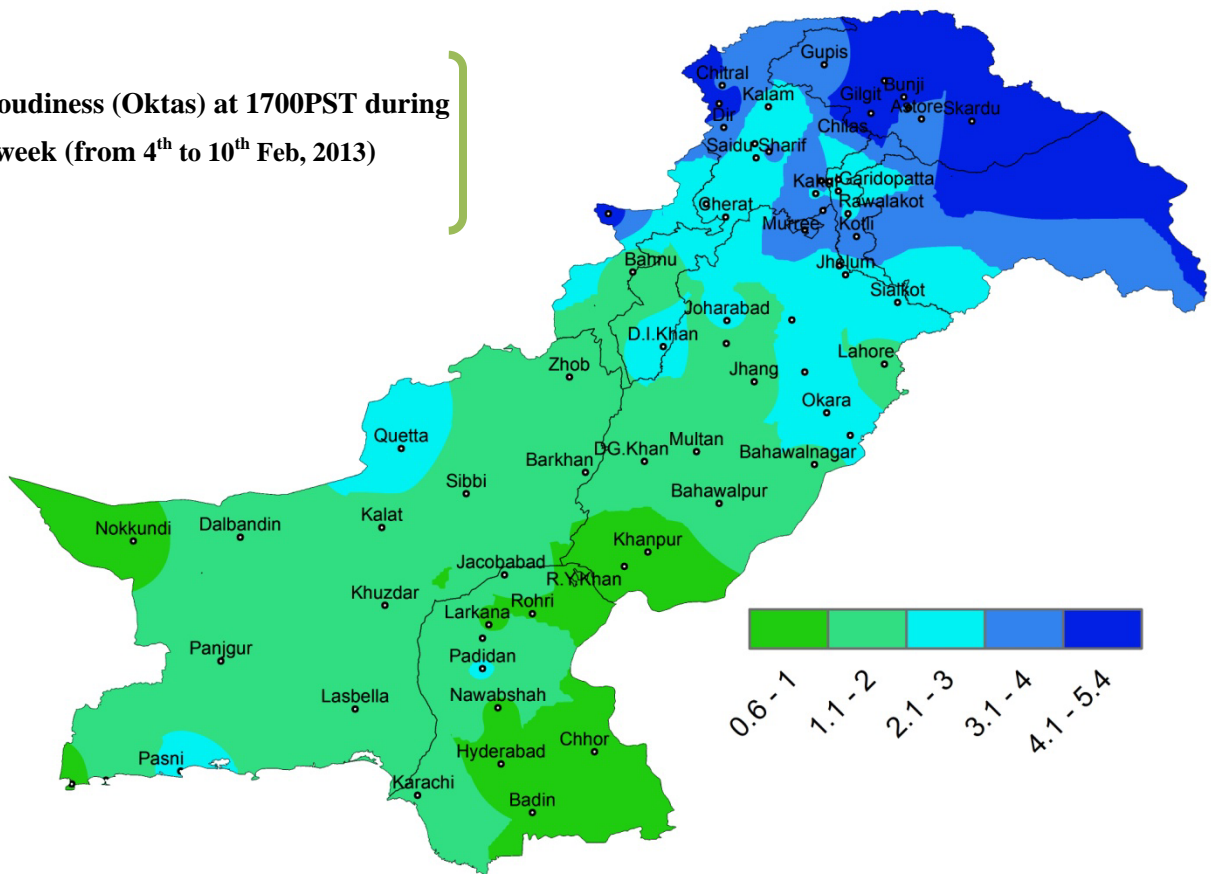
Total growing degree days accumulated during the last week (from 4th to 10th Feb, 2013)



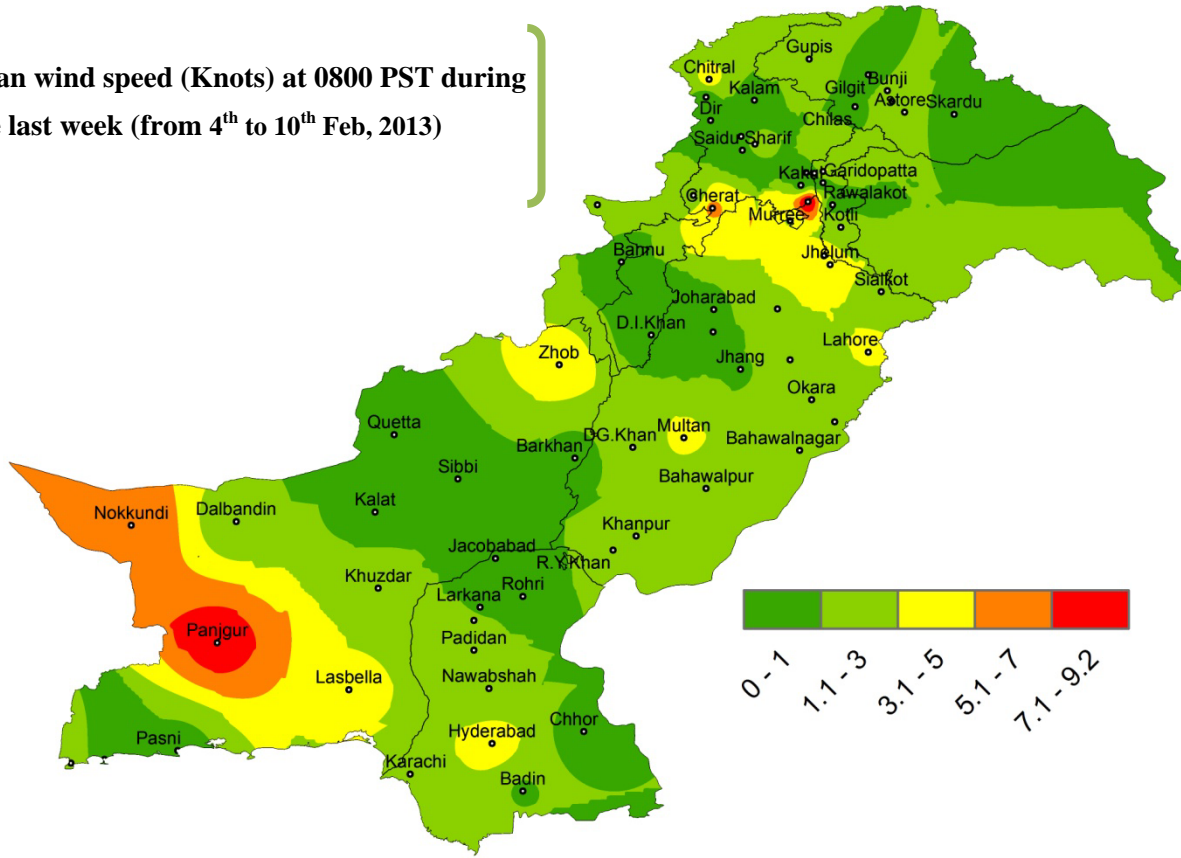
Mean Cloudiness (Oktas) at 0800PST during the last week (from 4th to 10th Feb, 2013)



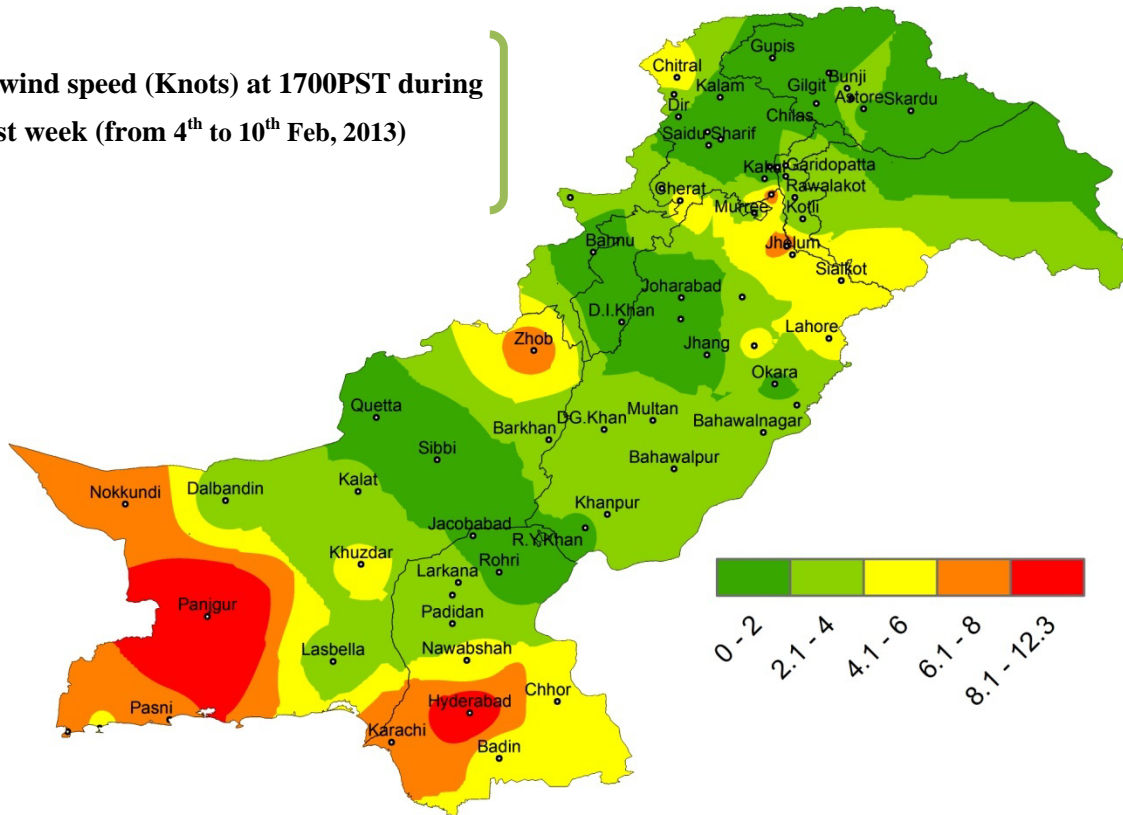
Mean Cloudiness (Oktas) at 1700PST during the last week (from 4th to 10th Feb, 2013)



Mean wind speed (Knots) at 0800 PST during the last week (from 4th to 10th Feb, 2013)



Mean wind speed (Knots) at 1700 PST during the last week (from 4th to 10th Feb, 2013)



Weekly Weather advisory for Farmers (from 11th to 17th February, 2013)

Continental air would prevail over most parts of the Country during the current week. However, a shallow westerly wave is likely to approach western and upper parts of the country on Thursday and likely to persist during next 36 to 48 hours.

Punjab including Islamabad:

Mainly cold & dry weather is expected in most parts of the province during the week. However, thunderstorm - rain with snowfall over the hills is likely at isolated places of upper parts of the Province during Friday and Saturday.

Khyber Pakhtunkhwa:

Mainly cold & dry weather is expected in most parts of the province during the week. However, Thunderstorm-rain with snowfall over the hills is likely at isolated places of the Province during Thursday/Friday.

Balochistan:

Mainly cold & dry weather is expected in most parts of the province during the week. However, thunderstorm -rain with light snowfall over the hills is likely at scattered places of Northern Balochistan during Thursday and Friday

Sindh:

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

Kashmir:

Mainly cold, dry and partly cloudy weather is expected in most parts of Kashmir during the week. However, rain with snowfall over the hills is likely at scattered places of Kashmir during the weekend.

Gilgit-Baltistan:

Mainly cold, dry and partly cloudy to cloudy weather is expected in most parts of Gilgit-Baltistan during the week. However, light rain with snowfall over the hills is likely at isolated places of GB during the weekend.

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 4th to 10th 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	-8.7	-13.0	***	59	0.1	2.7	3.6	1.4	1.7
Badin	11.2	9.0	93.8	51	1.0	0.7	1.0	0.9	4.3
Bahawalnagar	8.5	7.0	65.9	76	29.0	1.4	1.9	2.0	3.4
Bahawalpur	8.2	5.8	69.5	70	18.0	1.4	1.3	2.0	2.9
Balakot	2.2	0.4	27.5	70	85.0	4.0	4.1	0.4	0.7
Bannu	5.4	3.8	46.5	66	3.0	2.3	1.3	0.0	0.7
barkhan	3.4	1.5	38.3	44	0.0	0.7	1.3	0.3	2.3
Bunji	0.4	-1.0	5.7	56	1.1	4.0	5.4	1.1	2.3
Cherat	2.1	-1.0	***	69	131.0	3.4	2.7	5.4	4.9
Chhor	8.1	6.2	89.1	53	2.0	0.1	0.9	0.3	5.1
Chilas	2.0	1.5	15.3	56	23.0	3.9	4.6	0.6	0.6
Chitral	-1.8	-3.9	-14.4	71	40.0	3.4	3.9	4.0	5.4
D G Khan	9.0	8.0	***	76	10.0	1.3	2.3	0.0	0.6
D.I. Khan	6.7	5.0	57.3	42	24.0	1.7	1.4	1.4	2.9
Dalbandin	2.0	-2.0	46.0	70	0.0	2.3	1.4	2.0	2.6
Dir	-3.4	-5.0	-14.6	73	55.0	3.1	3.4	0.0	1.4
Drohd	-4.3	-5.3	-24.2	64	60.0	3.7	5.0	0.0	3.6
Faisalabad	7.6	4.8	58.5	74	32.0	1.9	2.3	2.6	4.6
Garidopatta	2.1	-1.0	32.3	72	135.0	2.9	2.9	0.0	2.0
Gawader	11.1	8.0	88.5	58	0.0	0.4	1.4	0.0	5.7
Gilgit	-0.2	-2.7	8.0	57	2.1	4.7	5.4	0.0	1.1
Gupis	-5.9	-8.0	-38.8	55	16.0	3.1	3.3	2.9	1.7
Hyderabad	10.3	8.0	86.7	46	2.0	0.4	0.9	4.0	10.3
Islamabad	4.7	2.5	***	77	129.0	2.7	3.3	2.9	3.7
Jacobabad	10.9	10.0	85.7	62	0.0	0.0	1.1	0.3	1.4
Jhang	7.1	4.8	62.2	75	29.0	2.0	1.7	0.9	1.1
Jhelum	7.0	5.0	63.8	73	54.0	2.3	2.3	3.1	4.6
Jiwani	14.6	12.0	102.4	54	0.0	2.0	0.6	2.3	6.9
Joharabad	7.1	4.5	57.3	81	69.0	2.3	2.3	0.9	0.6
Kakul	0.1	-1.0	13.5	72	92.0	2.3	2.7	0.0	1.4
Kalam	-6.6	-11.0	***	72	74.0	2.6	2.7	0.0	0.0
KLT	-5.2	-8.0	-15.7	48	0.0	0.6	1.9	0.6	2.3
Karachi	12.4	10.5	98.4	48	5.0	0.7	1.4	2.0	6.9
Khanpur	8.1	6.3	72.7	68	11.0	1.1	0.7	1.7	2.9
Khuzdar	2.4	-1.0	38.5	36	1.0	0.0	1.0	1.7	4.3
Kotli	6.1	4.4	53.6	68	70.0	2.3	3.9	1.9	2.1
Lahore	8.6	6.7	64.2	71	11.0	2.3	1.7	3.1	4.6
Larkana	10.6	9.5	85.3	63	0.0	0.0	0.7	0.0	2.9
Lasbella	7.5	4.0	83.3	45	0.1	1.6	1.1	3.7	3.1
Lower Dir	1.1	0.5	23.0	72	92.0	3.1	2.6	0.3	1.1

M.B.din	7.7	6.5	61.3	80	62.0	2.3	2.0	2.9	2.9
Malam Jabba	-4.7	-6.0	-46.5	81	143.0	3.0	3.1	1.7	1.1
Mangla	6.1	4.4	56.9	73	60.0	2.7	3.0	3.6	7.6
Mir Khani	-1.3	-3.6	-15.0	71	30.0	2.9	3.4	2.1	2.6
Moen-Jo-Daro	5.6	3.0	66.3	61	0.0	0.0	1.7	2.3	3.7
Multan	9.1	6.8	69.2	72	52.0	2.6	1.0	3.3	3.1
Murree	-1.1	-4.5	-9.3	65	85.0	2.3	4.0	9.3	7.1
Muzaffarabad	4.0	3.2	39.6	71	100.0	2.3	2.4	0.0	0.0
Nawabshah	9.3	6.8	85.9	58	3.0	0.0	0.9	1.4	4.4
Nokkundi	5.2	2.2	***	24	0.0	1.6	0.9	6.7	7.4
Noorpur Thal	7.0	5.8	62.8	74	39.0	3.0	1.1	0.6	0.0
Okara	8.6	6.4	65.1	76	29.0	1.9	2.4	1.4	1.7
Padidan	8.2	6.0	78.0	67	3.0	0.0	2.1	1.1	3.4
Panjgur	2.3	-0.5	29.8	51	0.0	0.0	1.3	8.0	12.3
Parachinar	-11.0	-11.5	-54.1	62	48.0	4.9	4.3	2.6	3.0
Pasni	11.6	7.5	94.5	60	0.0	2.0	2.3	0.3	7.7
Pattan	4.6	0.0	28.5	61	84.0	2.7	2.3	3.7	4.9
Peshawar	6.0	5.0	44.5	77	64.0	2.9	2.3	1.7	2.3
Quetta	-1.4	-2.5	***	56	0.0	2.2	2.6	0.0	2.0
R.Y.Khan	8.2	6.8	75.2	68	9.0	0.8	0.7	1.1	1.7
Rawalakot	-2.7	-5.0	-3.9	74	159.0	2.3	2.9	0.0	2.6
Rohri	9.5	6.5	79.8	57	0.0	0.6	1.0	0.6	1.1
Sahiwal	7.1	4.0	58.6	76	29.0	1.4	2.0	1.4	2.0
Saidu Sharif	1.9	1.1	21.6	75	134.0	3.9	2.9	0.0	0.9
Sialkot	7.0	4.6	57.5	77	41.0	2.4	2.6	2.6	5.9
Sibbi	4.4	3.0	64.0	44	0.0	1.4	1.1	0.0	0.0
Skardu	-8.1	-11.7	-46.8	74	14.1	4.2	5.0	0.0	0.4
Zhob	1.9	0.0	25.8	50	0.0	1.1	1.7	4.1	6.7

***Data not available