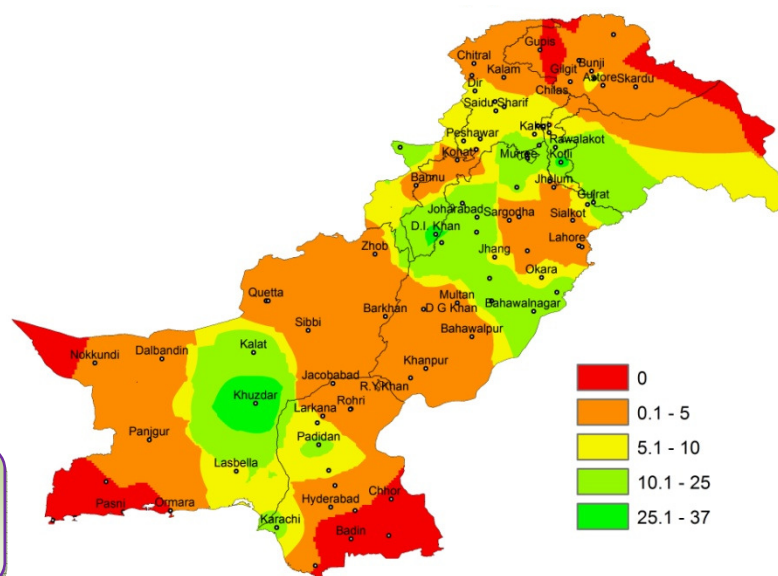


Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the
Previous Week (From 24th Feb to 2nd March, 2014)**

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Highlights of Past Weather (From 24th Feb to 2nd March, 2014)

Mainly cold weather 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 Punjab and Khyber Pakhtunkhwa regions.
- Light to moderate rainfall reported at few places in Gilgit-Baltistan & Kashmir.
- Light to moderate rain was reported at some places in Sindh and Balochistan by the end of the week, whereas dry weather was reported during rest of the week.

Past Weather of Provinces (From 24th Feb to 2nd March, 2014)

Punjab

Light to moderate rainfall reported at a number of places in Punjab during the week. Weekly maximum and minimum temperatures recorded 22.9°C & 8.6°C respectively. For the present season average 74.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 68% and wind speed in the morning/evening recorded 0.5/2.2 Knots. During the previous week highest amount of rainfall reported at Noorpurthal 24.0mm and lowest minimum temperature was recorded -0.6°C at Murree.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light to moderate rainfall reported at few places in Gilgit-Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 14.2°C & 2.5°C respectively. For the present season average 43.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 55% and wind speed in the morning/evening recorded 0.7/2.0 Knots. During the previous week highest amount of rainfall reported at Kotli 28.0mm and lowest minimum temperature was recorded -4.5°C at Astore.

Khyber Pakhtunkhwa

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 17.4°C & 3.7°C respectively. For the present season average 4.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 63% and wind speed in the morning/evening recorded 0.6/2.5 Knots. During the previous week highest amount of rainfall reported at DIK 26.1mm and lowest minimum temperature was recorded -6.0°C at Kalam.

Sindh

Light to moderate rain was reported at some places in Sindh by the end of the week whereas dry weather was reported during the week. Weekly maximum and minimum temperatures recorded 27.9°C & 11.9°C respectively. For the present season average 104.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 54% and wind speed in the morning/evening recorded 1.5/4.3 Knots. During the previous week highest amount of rainfall reported at Padidan 12.0mm and lowest minimum temperature was recorded 8°C at Moin-Jo-Daro.

Balochistan

Light to moderate rain was reported at some places in Balochistan by the end of the week whereas dry weather was reported during the week. Weekly maximum and minimum temperatures recorded 22.8°C & 6.5°C respectively. For the present season average 68.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 44% and wind speed in the morning/evening recorded 1.3/4.9 Knots. During the previous week highest amount of rainfall reported at Khuzdar 37.0mm and lowest minimum temperature was recorded -0.5°C at Quetta.

**Past Weather for Major Agricultural Plains
(From 24th Feb to 2nd March, 2014)****Rawalpindi (Potohar region)**

Rainfall reported as 8.0mm during the week; however cloudiness in the morning/evening recorded 1.8/9.4 Oktas while, average relative humidity observed 66%. Mean night time temperature recorded 7.1°C & for the present season 64.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.1/0.2 Knots.

Faisalabad (Central Punjab)

Rainfall reported as Trace (not measurable) during the week; however cloudiness in the morning/evening recorded 1.9/3.1 Oktas while average relative humidity observed as 58%. Mean night time temperature recorded 9.6°C & for the present season 82.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/1.0 Knots.

Tandojam (Lower Singh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.6/0.6 Oktas average relative humidity observed as 60%. Mean night time temperature recorded 11.3°C & for the present season 14.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/1.2 Knots.

Quetta (Northern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.0/4.0 Oktas while, average relative humidity observed as 35%. Mean night time temperature recorded 1.6°C & for the present season 21.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.8/3.3 Knots.

Usta Muhammad (Eastern Balochistan)

Rainfall reported as 1.0mm during the week; however cloudiness in the morning/evening recorded 0.4/0.8 Oktas; while, average relative humidity observed as 71%. Mean night time temperature recorded 10.7°C & for the present season 99.3 growing degree days accumulated by the end of last week.

**Past Weather for Sub-Regional Agricultural
Plains (From 24th Feb to 2nd March, 2014)****Rohri**

Rainfall reported as 3.0mm during the week; however cloudiness in the morning/evening recorded 1.3/0.3 Oktas while, average relative humidity observed as 54%. Mean night time temperature recorded 12.9°C & for the present season 102.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.3/2.3 Knots.

Multan

Rainfall reported as 1.2mm during the week; however cloudiness in the morning/evening recorded 1.1/1.9 Oktas while, average relative humidity observed as 63%. Mean night time temperature recorded 10.5°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 0.0/3.4 Knots.

Lahore

Rainfall reported as 4.1mm during the week; however cloudiness in the morning/evening recorded 2.0/3.9 Oktas while, average relative humidity observed as 71%. Mean night time temperature recorded 9.3°C & for the present season 75.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.6 Knots.

Kalam

Rainfall reported as 2.0mm during the week; however cloudiness in the morning/evening recorded 3.7/5.9 Oktas while, average relative humidity observed as 72%. Mean night time temperature recorded -4.0°C by the end of last week.

Zhob

Rainfall reported as 1.0mm during the week; however cloudiness in the morning/evening recorded 1.2/3.1 Oktas while, average relative humidity observed as 43%. Mean night time temperature recorded 2.9°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 5.0/5.6 Knots.

D.I. Khan

Rainfall reported as 26.1mm during the week; however cloudiness in the morning/evening recorded 1.1/0.4 Oktas while, average relative humidity observed as 65%. Mean night time temperature recorded 7.7°C & for the present season 76.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.4 Knots.

Peshawar

Rainfall reported as 8.1mm during the week; however cloudiness in the morning/evening recorded 3.6/4.1 Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded 8.1°C & for the present season 70.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/1.7 Knots.

Murree

Rainfall reported as 16.1mm during the week; however cloudiness in the morning/evening recorded 2.9/5.1 Oktas while, average relative humidity observed as 71%. Mean night time temperature recorded 1.7°C & for the present season 2.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/1.4 Knots.

Gilgit

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 5.4/6.4 Oktas while, average relative humidity observed as 47%. Mean night time temperature recorded 2.6°C & for the present season 32.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/4.3 Knots.

Skardu

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 5.7/6.1 Oktas while, average relative humidity observed as 51%. Mean night time temperature recorded -1.5°C by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.0 Knots.

Crop Situation for Major Agricultural Plains
(Based on Data from Regional Agromet Centers)

Potohar Region (Rawalpindi)

There is presently one crop (irrigated condition) grown in the fields of RMC Rawalpindi.

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

Central Punjab (Faisalabad)

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

Wheat: Very good condition at *Heading* stage.

Lower Sindh (Tandojam)

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

Wheat (PD-1): Good condition at *Milk Maturity* stage.

Northern Balochistan (Quetta)

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

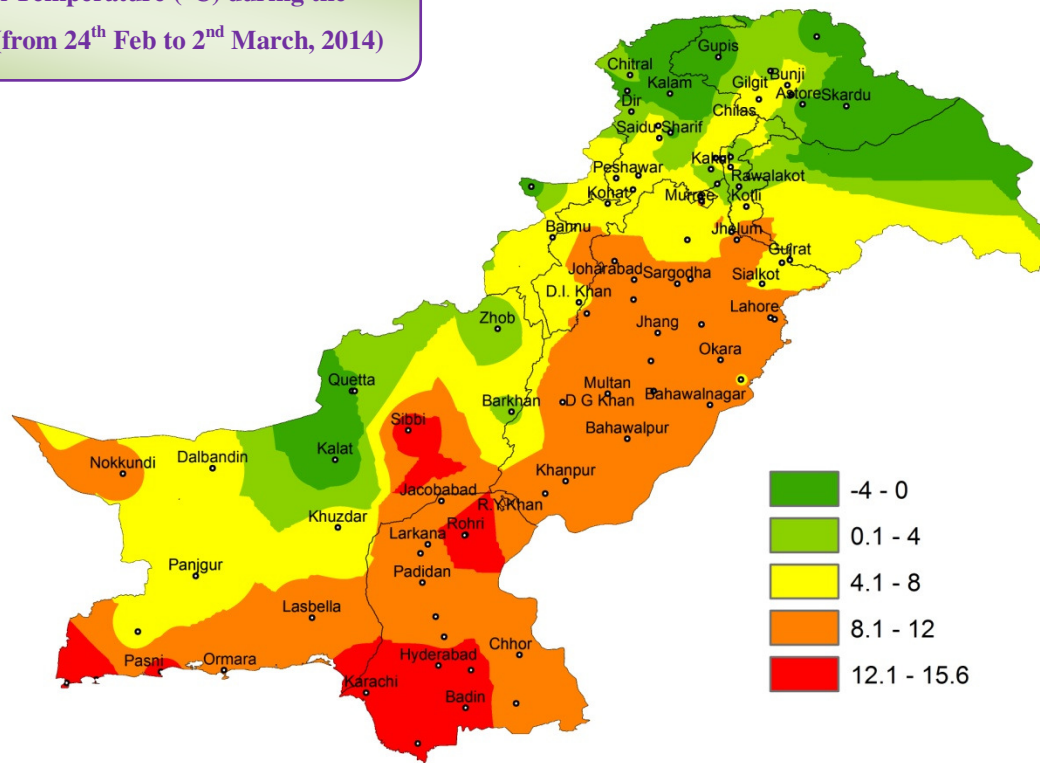
Wheat (Local white): Good condition at *Tillering* stage.

Eastern Balochistan (Usta Muhammad)

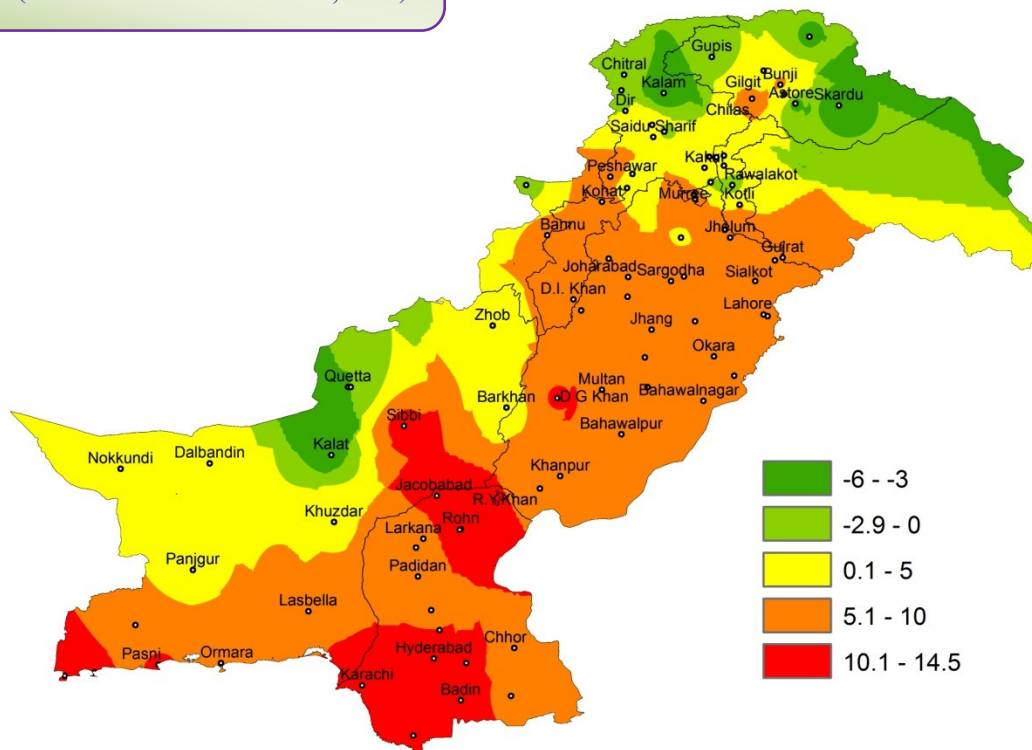
There is presently one crop (irrigated condition) grown in the fields of RMC Usta Muhammad.

Wheat: Good condition at *Heading* stage.

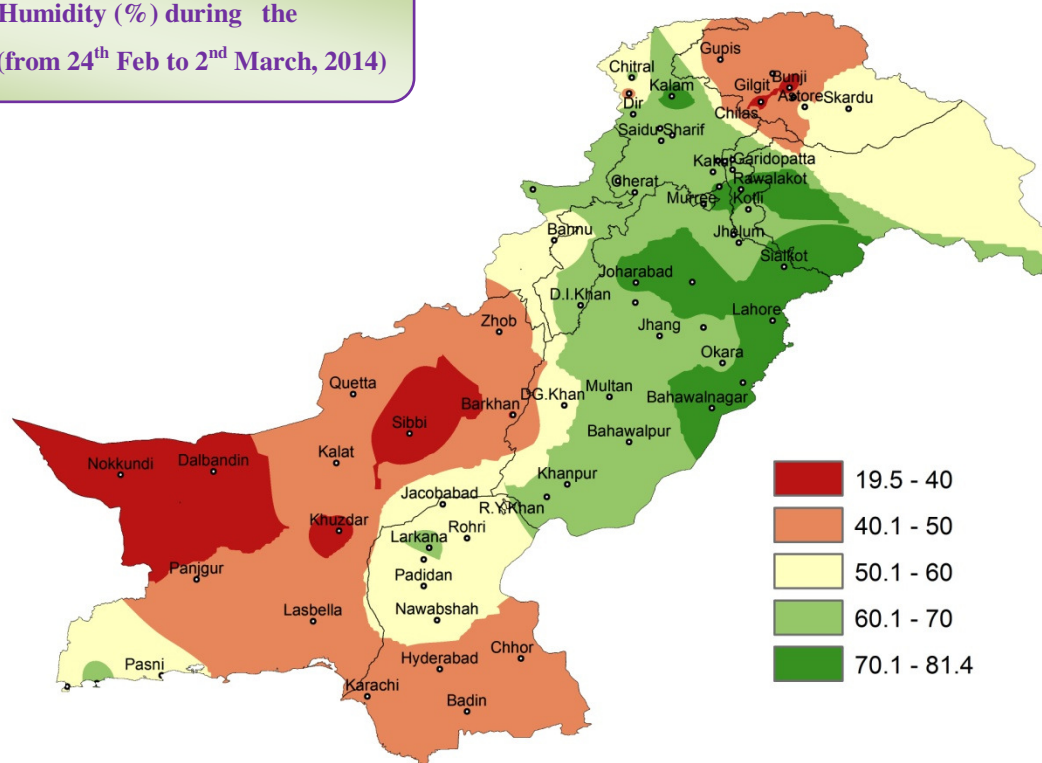
Mean Minimum Temperature (°C) during the
Previous week (from 24th Feb to 2nd March, 2014)



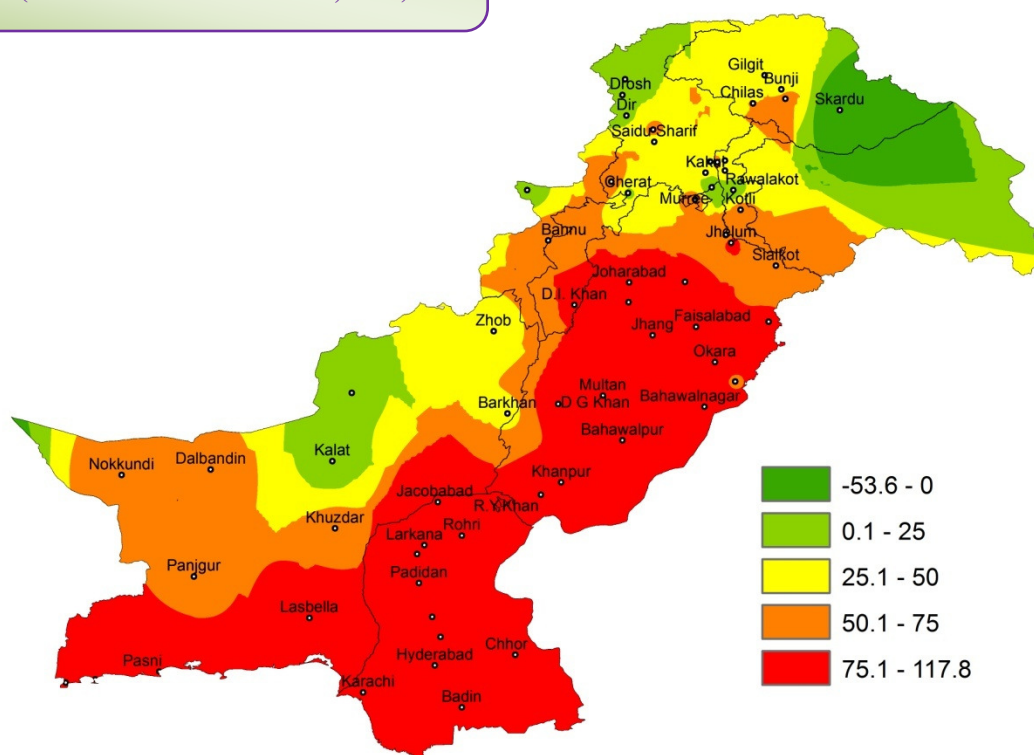
Lowest Minimum Temperature (°C) during the
Previous week (from 24th Feb to 2nd March, 2014)



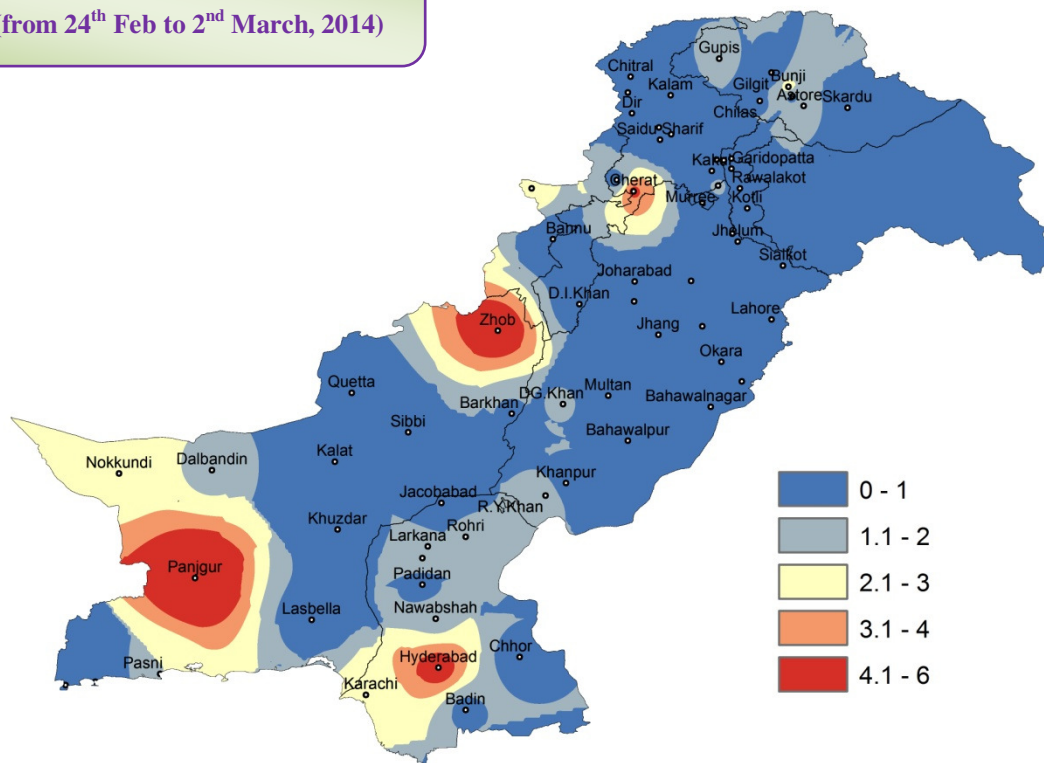
Mean Relative Humidity (%) during the
Previous week (from 24th Feb to 2nd March, 2014)



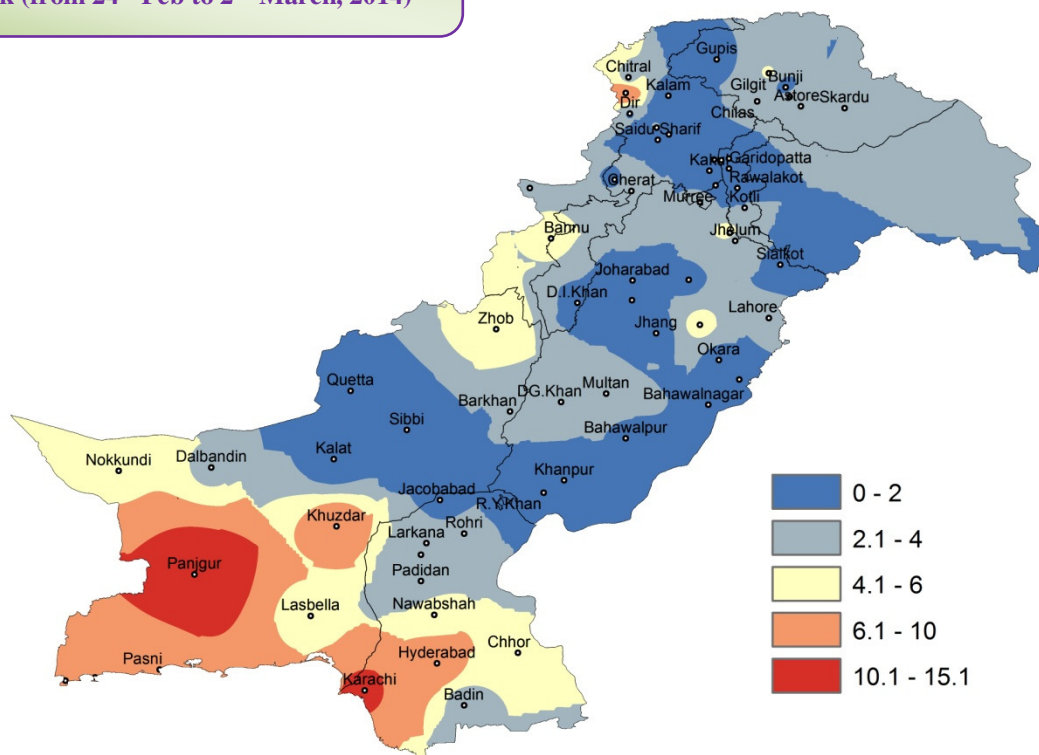
Total Growing Degree Days accumulated during the
Previous week (from 24th Feb to 2nd March, 2014)



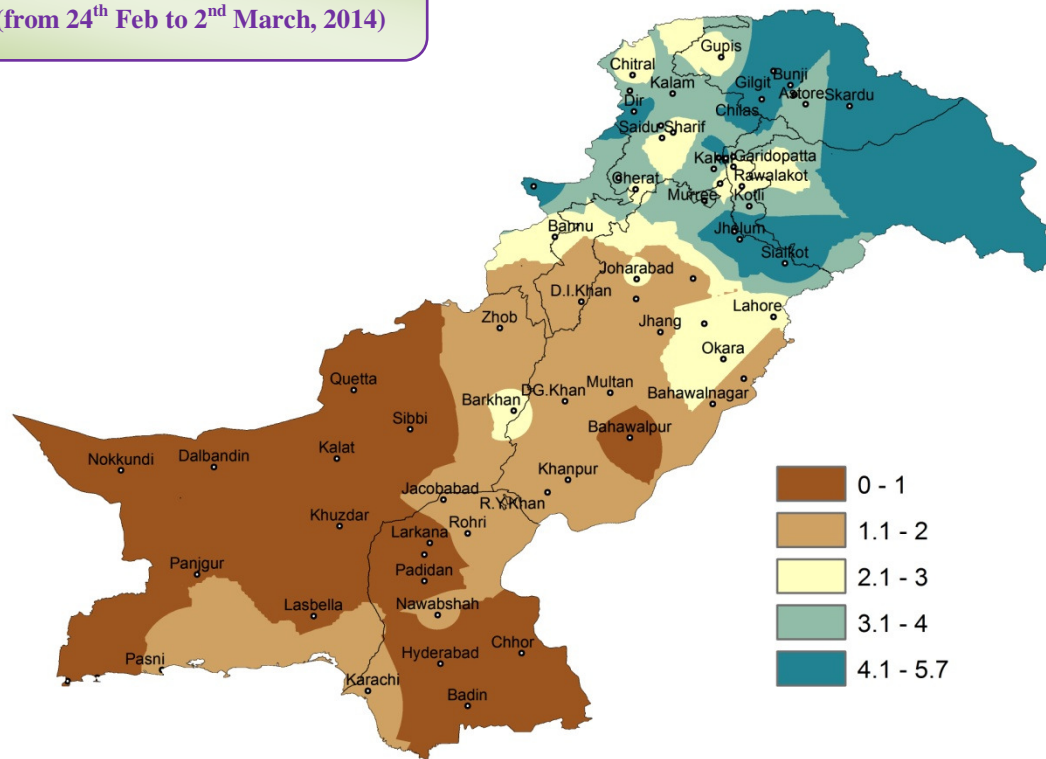
Mean Wind Speed (Knots) at 0800 PST during the
Previous week (from 24th Feb to 2nd March, 2014)



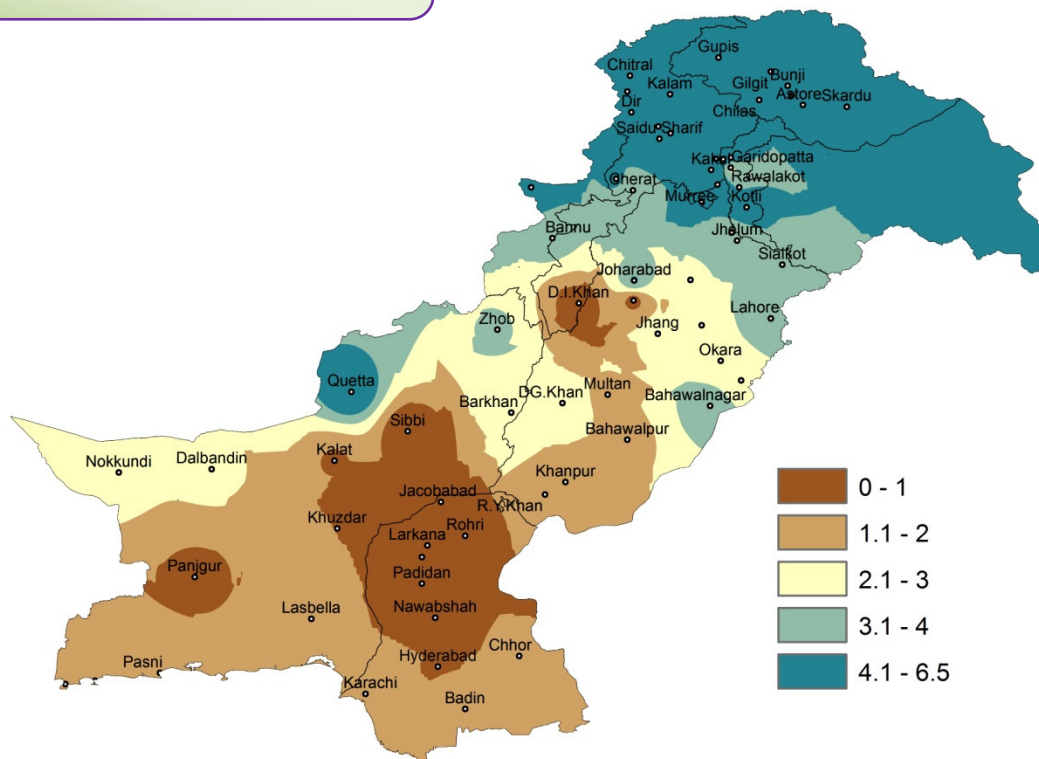
Mean Wind Speed (Knots) at 1700 PST during the
Previous week (from 24th Feb to 2nd March, 2014)



Mean Cloudiness (Oktas) at 0800PST during the
Previous week (from 24th Feb to 2nd March, 2014)



Mean Cloudiness (Oktas) at 1700PST during the
Previous week (from 24th Feb to 2nd March, 2014)



Weekly Weather Advisory for Farmers **(From 3rd to 9th March, 2014)**

A westerly wave is prevailing over most parts of the country and likely to persist in upper parts during next 36 to 48 hours. Continental air would prevail over most parts of the country during mid of week. However, a shallow westerly trough would continue to prevail over extreme northern parts of the country during the weekend.

Punjab including Islamabad

Widespread rain-thunderstorm (associated with isolated hailstorm in upper Punjab) is expected in the province including Islamabad during next 24hrs.

Rain-thunderstorm is expected at isolated places in upper Punjab (Rawalpindi, Sargodha, Gujranwala and Lahore divisions) while at isolated places in Bahawalpur and Sahiwal divisions on Tuesday.

Mainly cold and dry weather is expected in most parts of province during rest days of the week. However, rain-thunderstorm is also expected at scattered places in upper Punjab including Islamabad during the weekend.

Khyber Pakhtunkhwa

Widespread rain-thunderstorm (snowfall over the hills/isolated hailstorm) is expected in the province today, while at scattered places on Tuesday.

Mainly partly cloudy weather is expected in most parts of the province, during rest of the days of the week, however, thunderstorm-rain (light snowfall over the hill) are expected at isolated places in Malakand, Hazara, Peshawar divisions again during the weekend.

Kashmir

Widespread rain-thunderstorm (snowfall over the hills) is expected in Kashmir during next 24 hrs, while at scattered places on Tuesday/Wednesday and during the weekend.

Balochistan

Scattered rain-thunderstorm is expected in the province during next 24-36 hrs, while at isolated places in North Balochistan (Quetta and Zhob divisions) on Tuesday. Cold and dry weather is expected in most parts of the province during rest days of the week.

Sindh

Scattered rain-thunderstorm is expected in the province during next 24 hrs, while dry weather is expected in most parts of the province during the rest of the days of the week.

Gilgit-Baltistan

Mostly cloudy weather conditions with light rain-snowfall is expected at scattered places in Gilgit-Baltistan from Monday to Wednesday and again at scattered places during the weekend.

Advices for Crops

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

Wheat: Farmers of cotton crop areas are advised to prepare their fields for incoming Rabi crops and complete the sowing process. Farmers of wheat growing areas are advised to sow their crops in time to get the optimum yield.

Vegetables: Farmers are advised to cultivate winter vegetables in time so that present soil moisture may fully be utilized.

General Information: Farmers of rained 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.

National Weather Data of Selected Cities**(Weekly Data from 24th Feb to 2nd March, 2014)**

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	-2.6	-4.5	***	52	0.0	3.1	5.3	1.7	4.0
Badin	13.0	12.5	111.5	46	0.0	0.7	1.1	0.7	2.9
Bahawalnagar	10.6	9.5	86.4	72	20.0	2.0	3.6	0.6	1.7
Bahawalpur	9.5	8.8	83.0	65	0.1	0.7	1.7	0.6	1.4
Balakot	4.5	2.2	44.1	65	4.1	3.9	6.4	0.0	0.9
Bannu	7.8	6.6	73.1	55	1.1	2.0	3.4	0.0	4.6
Barkhan	3.4	2.5	44.7	40	0.1	2.2	2.6	0.8	2.0
Bunji	7.3	6.1	48.0	33	0.1	4.9	6.6	2.6	0.9
Cherat	4.3	3.0	21.7	63	4.1	2.9	3.3	4.3	3.7
Chhor	10.7	9.5	111.1	45	0.0	0.5	1.1	0.3	4.0
Chilas	6.4	6.0	50.4	40	0.0	5.0	4.9	0.9	2.6
Chitral	0.4	-1.5	21.7	61	3.0	2.4	4.4	0.0	2.9
DG.Khan	11.1	10.4	92.1	59	2.1	1.4	2.4	1.1	3.4
D.I.Khan	7.7	7.0	76.8	65	26.1	1.1	0.4	0.3	1.4
Dalbandin	4.8	3.0	64.0	38	0.0	0.6	2.3	1.6	3.4
Dir	0.9	0.0	21.8	68	8.1	4.9	5.9	0.0	1.7
Drosh	-0.9	-1.5	15.0	46	4.0	3.4	5.0	0.0	9.6
Faisalabad	9.6	6.7	82.5	58	0.1	1.9	3.1	0.5	1.0
Garidopatta	4.6	2.5	45.1	64	6.0	1.7	2.6	0.0	0.0
Gawader	13.1	11.0	110.2	62	0.0	0.4	1.0	0.0	6.1
Gilgit	2.6	0.0	32.6	47	0.0	5.4	6.4	0.0	4.3
Gupis	-1.6	-2.0	***	46	0.0	2.6	5.7	1.4	1.1

Hyderabad	14.4	12.5	112.8	43	0.0	0.0	1.0	4.7	8.3
Islamabad	7.1	5.5	62.7	70	23.1	3.3	4.1	0.0	2.9
Jacobabad	11.6	11.0	101.4	56	0.1	1.4	1.0	0.4	1.1
Jhang	8.4	7.0	80.5	68	7.0	2.0	2.4	0.0	0.9
Jhelum	9.1	7.2	77.5	67	2.3	4.0	3.3	0.9	2.9
Jiwani	15.7	14.5	115.1	58	0.0	0.0	1.4	0.0	6.9
Joharabad	8.4	7.0	75.4	73	22.0	2.3	4.1	0.3	2.0
Kakul	3.2	2.0	29.2	67	8.0	3.4	5.4	0.0	0.3
Kalam	-4.0	-6.0	***	72	2.0	3.7	5.9	0.0	0.0
Kalat	-3.4	-4.0	9.5	43	19.0	0.0	0.9	0.0	0.0
Karachi	14.2	13.0	117.8	44	11.0	1.6	2.0	2.3	10.6
Khanpur	9.5	8.3	86.0	62	4.1	1.6	1.7	0.9	0.6
Khuzdar	5.3	4.0	57.0	39	37.0	0.0	1.0	0.0	8.0
Kotli	7.8	5.2	61.0	66	28.0	3.9	4.7	0.7	2.0
Lahore	9.3	8.3	75.7	71	4.1	2.0	3.9	0.0	2.6
Larkana	12.2	9.5	101.6	62	4.0	0.5	0.4	1.0	3.4
Lasbella	9.5	7.5	102.4	42	9.0	1.0	1.9	0.3	4.3
Lower Dir	5.9	4.0	53.7	62	7.0	3.4	4.1	0.6	2.3
Malam Jabba	-1.9	-2.0	***	70	6.0	2.4	4.1	0.0	0.0
Mandibahudin	9.1	6.5	76.3	75	0.0	1.7	2.7	0.6	1.4
Mangla	7.6	6.7	69.3	69	5.1	4.9	3.9	0.6	4.7
Mir Khani	3.6	3.0	53.5	49	12.0	3.0	3.9	0.6	3.3
Moinjodaro	8.8	8.0	88.8	58	7.0	0.8	0.6	1.7	3.4
Multan	10.5	9.6	87.3	63	1.2	1.1	1.9	0.0	3.4
Murree	1.7	-0.6	2.4	71	16.1	2.9	5.1	1.4	1.4
Muzaffarabad	6.7	4.0	57.2	65	10.4	4.9	5.4	0.0	2.7

Nokkundi	8.4	4.4	74.1	19	0.0	0.4	2.3	2.4	5.3
Noorpurthal	9.6	7.5	92.0	66	24.0	1.1	0.6	0.3	0.9
Okara	9.2	7.5	80.7	70	6.0	2.6	2.4	0.3	1.1
Padidan	10.5	9.5	95.7	59	12.0	0.9	0.3	0.6	2.6
Panjgur	5.3	3.5	57.9	41	1.0	1.0	0.7	6.0	15.1
Parachinar	-0.8	-1.6	8.1	64	23.0	4.9	4.6	3.0	3.7
Pasni	12.9	10.5	108.9	51	0.0	1.2	1.7	2.0	7.4
Pattan	2.1	1.0	41.7	61	4.0	3.1	4.6	0.0	0.6
Peshawar	8.1	6.7	70.9	67	8.1	3.6	4.1	0.6	1.7
Quetta	1.6	-5.0	21.2	35	0.0	1.0	4.0	2.8	3.3
R.Y.Khan	10.1	9.5	92.4	62	3.2	1.6	1.9	1.1	1.9
Rawalakot	-0.2	-1.7	8.3	82	17.0	2.7	4.0	0.0	1.4
Rohri	12.9	12.0	102.2	54	3.0	1.3	0.3	1.3	2.3
Rawalpindi	7.1	5.0	64.2	66	8.0	1.8	9.4	0.0	1.2
Sahiwal	7.9	6.5	74.2	71	14.2	1.4	2.6	0.1	1.7
Saidu Sharif	5.2	4.5	45.7	63	9.0	2.9	5.4	0.0	1.0
Sialkot	8.0	6.3	69.6	74	6.1	4.6	3.4	0.3	1.1
Sibbi	13.9	12.0	***	34	0.0	0.0	0.0	0.0	0.0
Skardu	-1.5	-3.7	***	51	0.0	5.7	6.1	0.0	2.0
Tandojam	11.3	10.5	14.5	60	0.0	0.6	0.6	0.6	1.2
Usta.M	10.7	9.5	99.3	71	1.0	0.4	0.8	0.0	0.0
Zhob	2.9	2.0	36.0	43	1.0	1.2	3.1	5.0	5.6

*** Shows that data was not available.