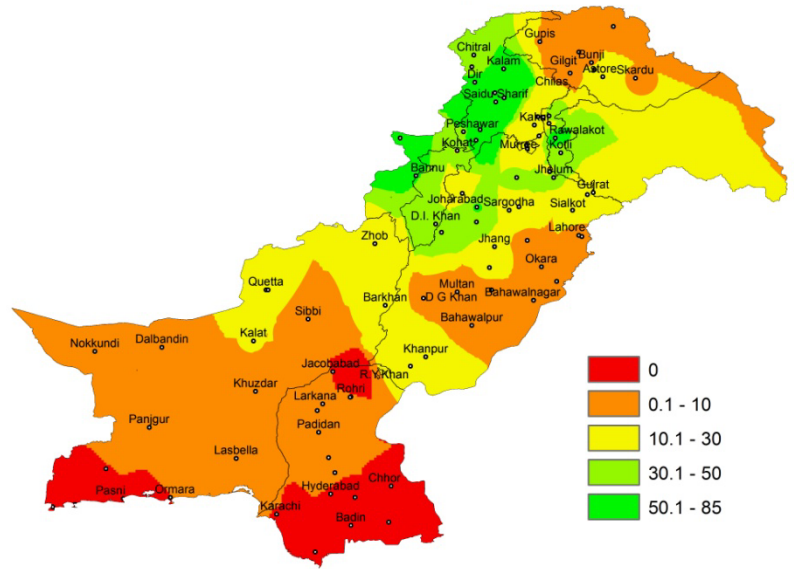


Weekly Weather and Crop Bulletin for Pakistan

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PAKISTAN METEOROLOGICAL
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**Rainfall Distribution (mm) during the
Previous Week (From 31st March to 6th April, 2014)**

<u>Contents</u>	
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 31st March to 6th April, 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, Khyber Pakhtunkhwa and Gilgit-Baltistan & Kashmir regions.
- Light to moderate rainfall reported at few places in Balochistan.
- Light rainfall reported at isolated places in Sindh.

Patron-in-Chief: Arif Mahmood (Director General)
Chief Editor: Dr. Khalid Mahmood Malik (Director)
Editor: Khalida Noureen (Meteorologist)

Past Weather of Provinces (From 31st March to 6th April, 2014)

Punjab

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 29.1°C & 15.7°C respectively. For the present season average 122.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 62% and wind speed in the morning/evening recorded 2.4/3.1 Knots. During the previous week highest amount of rainfall reported at Joharabad 52.0mm and highest Maximum temperature was recorded 37.7°C at Rahim Yar Khan.

Sindh

Light rainfall reported at isolated places in Sindh during the week. Weekly maximum and minimum temperatures recorded 36.4°C & 19.8°C respectively. For the present season average 161.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 53% and wind speed in the morning/evening recorded 3.5/5.5 Knots. During the previous week highest amount of rainfall reported at Larkana 0.1mm and highest Maximum temperature was recorded 41.7°C at Chhor

Khyber Pakhtunkhwa

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 20.7°C & 9.1°C respectively. For the present season average 64.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 65% and wind speed in the morning/evening recorded 0.9/2.6 Knots. The highest amount of rainfall was reported at Parachinar 85.0mm and highest Maximum temperature recorded 32.0°C at D. I. Khan.

Balochistan

Light to moderate rainfall reported at few places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 30.1°C & 14.6°C respectively. For the present season average 123.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 50% and wind speed in the morning/evening recorded 1.2/6.7 Knots. During the previous week highest amount of rainfall reported at Barkhan 20.0mm and highest Maximum temperature recorded 39.0°C at Dalbandin.

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 21.2°C & 8.2°C respectively. For the present season average 67.7 growing degree days accumulated by the end of last week. Average relative humidity recorded 49% and wind speed in the morning/evening recorded 1.2/2.5 Knots. During the previous week highest amount of rainfall reported at Rawalakot 70.0mm and highest Maximum temperature recorded 36.0°C at Muzaffarabad.

**Past Weather for Major Agricultural Plains
(From 31st March to 6th April, 2014)****Rawalpindi (Potohar region)**

Rainfall reported as 9.1mm during the week; however cloudiness in the morning/evening recorded 3.7/2.9 Oktas while, average relative humidity observed 63%. Mean night time temperature recorded 26.3°C & for the present season 102.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.8/1.1 Knots.

Faisalabad (Central Punjab)

Rainfall reported as 4.2mm during the week; however cloudiness in the morning/evening recorded 3.1/3.4 Oktas while average relative humidity observed as 59%. Mean night time temperature recorded 30.5°C & for the present season 132.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.7Knots.

Tandojam (Lower Singh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.3/0.4 Oktas while, average relative humidity observed as 53%. Mean night time temperature recorded 38.6°C & for the present season 170.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/3.8Knots.

Quetta (Northern Balochistan)

Rainfall reported as 6.6mm during the week; however cloudiness in the morning/evening recorded 1.7/5.4 Oktas while, average relative humidity observed as 47%. Mean night time temperature recorded 21.2°C & for the present season 74.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.3/4.1 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.0/1.7 Oktas while, average relative humidity observed as 50%. Mean night time temperature recorded 35.1°C & for the present season 155.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.1/0.1Knots.

**Past Weather for Sub-Regional Agricultural
Plains (From 31st March to 6th April, 2014)****Rohri**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.6/0.4 Oktas while, average relative humidity observed as 47%. Mean night time temperature recorded 35.7°C & for the present season 170.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.4/2.9 Knots.

Multan

Rainfall reported as 3.0mm during the week; however cloudiness in the morning/evening recorded 2.5/3.4 Oktas while, average relative humidity observed as 61%. Mean night time temperature recorded 31.2°C & for the present season 139.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.0/5.1 Knots.

Lahore

Rainfall reported as 10.3mm during the week; however cloudiness in the morning/evening recorded 3.7/2.9 Oktas while, average relative humidity observed as 58%. Mean night time temperature recorded 29.3°C & for the present season 125.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.3/5.4 Knots.

Zhob

Rainfall reported as 14.0mm during the week; however cloudiness in the morning/evening recorded 2.6/4.1 Oktas while, average relative humidity observed as 51%. Mean night time temperature recorded 24.5°C & for the present season 91.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/9.0Knots.

D.I. Khan

Rainfall reported as 40.0mm during the week; however cloudiness in the morning/evening recorded 3.4/4.3 Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded 28.8°C & for the present season 120.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.1 Knots.

Peshawar

Rainfall reported as 46.1mm during the week; however cloudiness in the morning/evening recorded 4.3/6.1 Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded 25.9°C & for the present season 102.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.0 Knots.

Murree

Rainfall reported as 22.1mm during the week; however cloudiness in the morning/evening recorded 4.6/5.1 Oktas while, average relative humidity observed as 65%. Mean night time temperature recorded 14.1°C & for the present season 31.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.9/2.0 Knots.

Kalam

Rainfall reported as 73.0mm during the week; however cloudiness in the morning/evening recorded 4.6/5.3 Oktas while, average relative humidity observed as 69%. Mean night time temperature recorded 13.2°C & for the present season 17.9 growing degree days accumulated by the end of last week.

Gilgit

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 5.6/5.0 Oktas while, average relative humidity observed as 38%. Mean night time temperature recorded 23.8°C & for the present season 81.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/2.9 Knots.

Skardu

Rainfall reported as 7.0mm during the week; however cloudiness in the morning/evening recorded 5.3/5.0 Oktas while, average relative humidity observed as 35%. Mean night time temperature recorded 17.5°C & for the present season 42.4 growing degree days accumulated by the end of last week.

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 *Shooting* stage.

Central Punjab (Faisalabad)

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

Wheat: Very good condition at Wax Maturity stage.

Lower Sindh (Tandojam)

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

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

Northern Balochistan (Quetta)

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

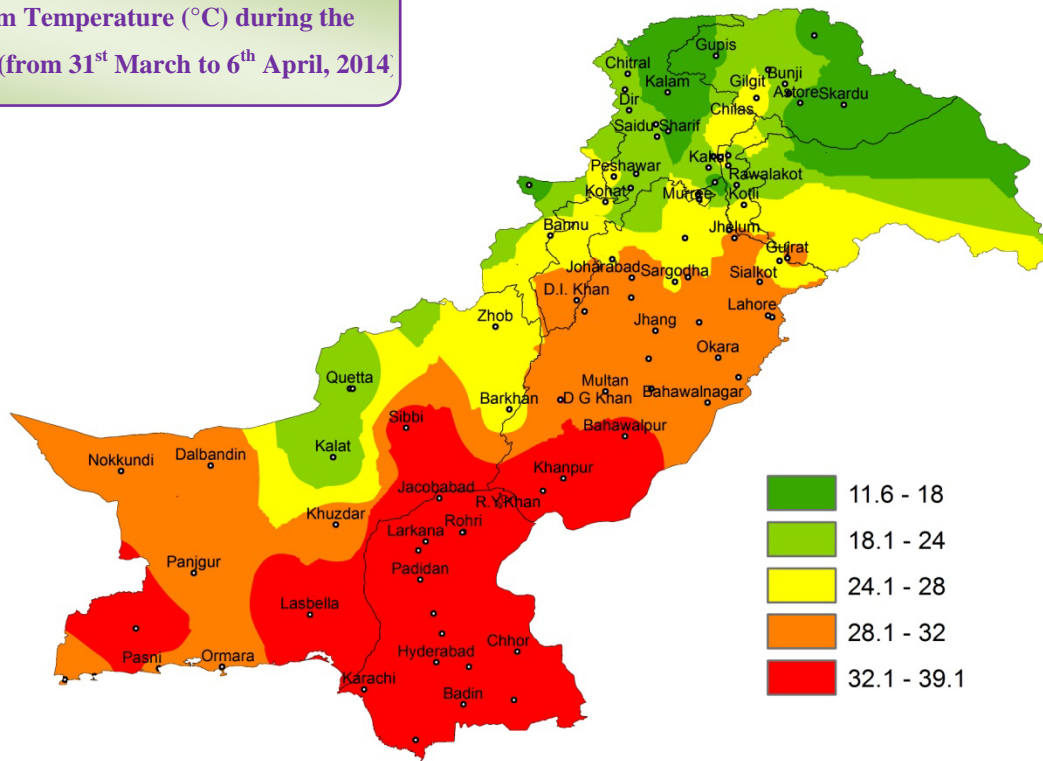
Wheat (Local white): Good condition at *Tillering* stage.

Eastern Balochistan (Usta Muhammad)

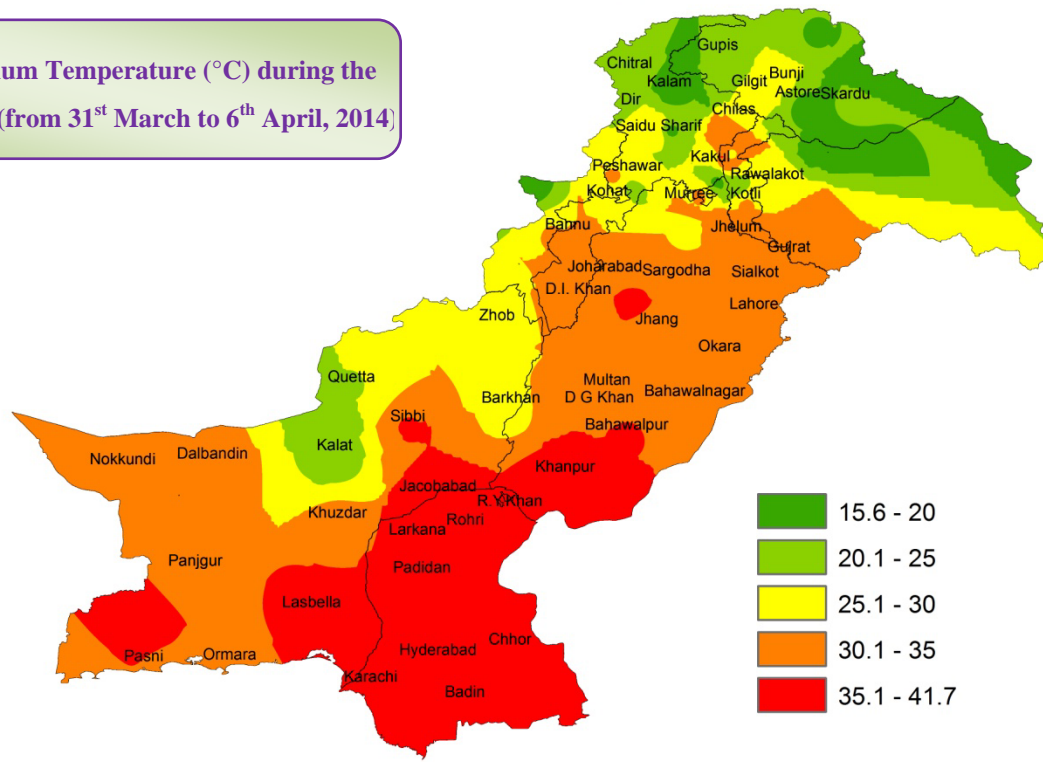
There is presently one crop (irrigated condition) grown in the fields of RMC Usta Muhammad.

Wheat: Good condition at *Wax Maturity* stage completed.

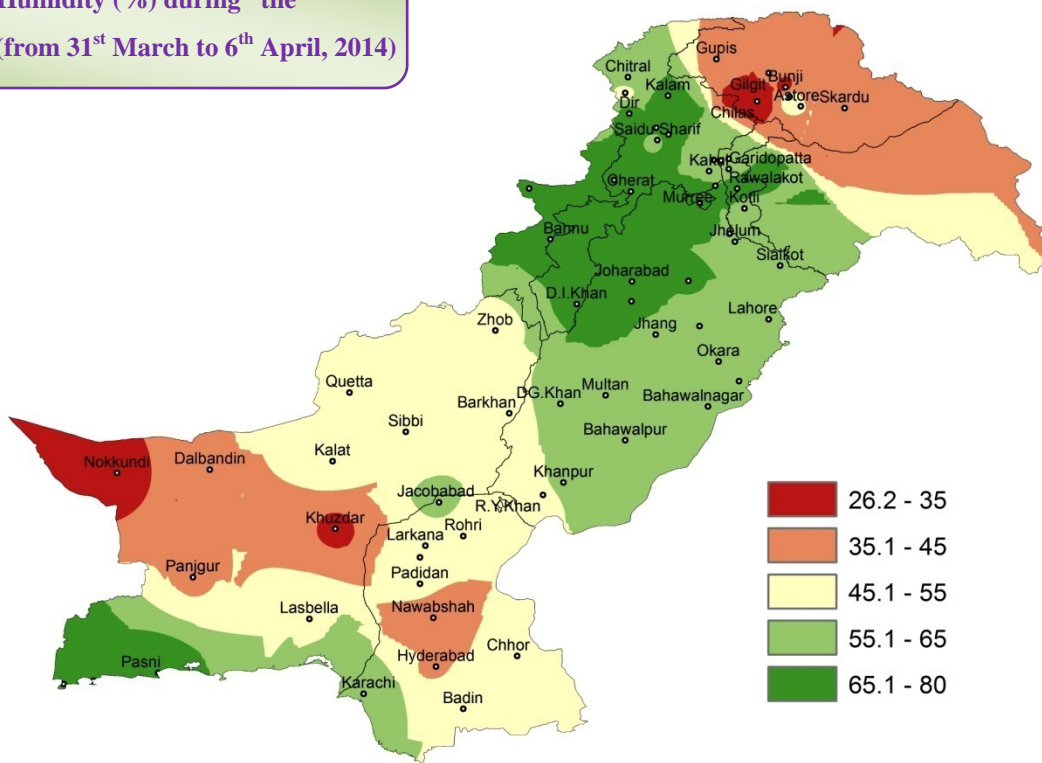
Mean Maximum Temperature (°C) during the Previous week (from 31st March to 6th April, 2014)



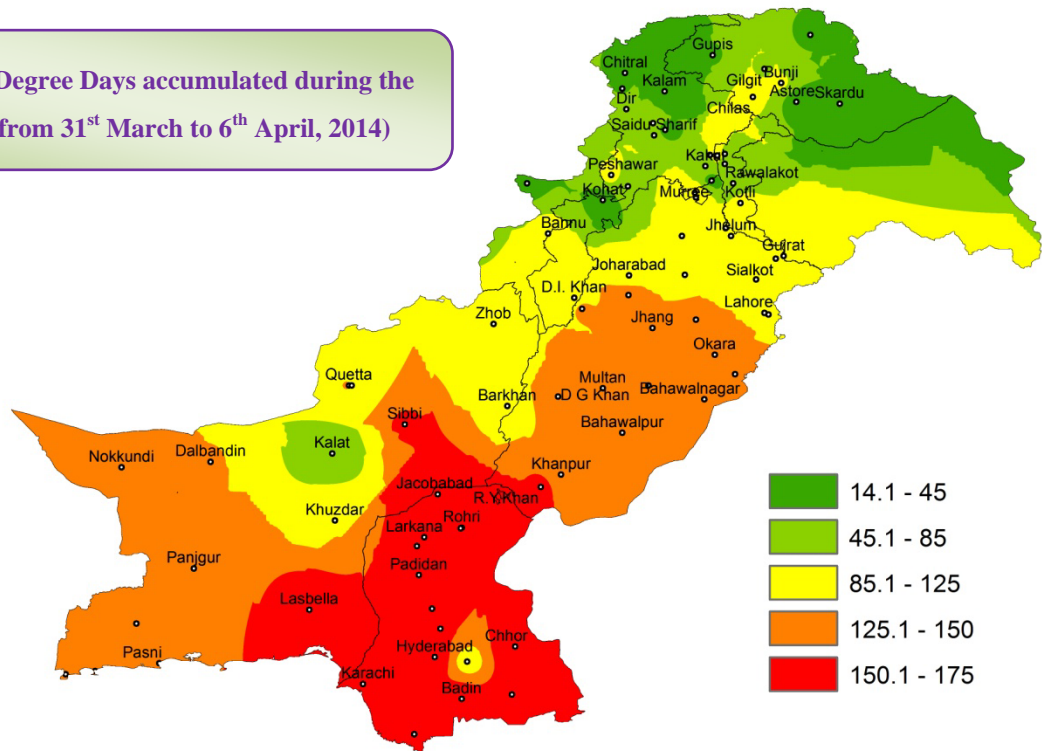
Highest Maximum Temperature (°C) during the Previous week (from 31st March to 6th April, 2014)



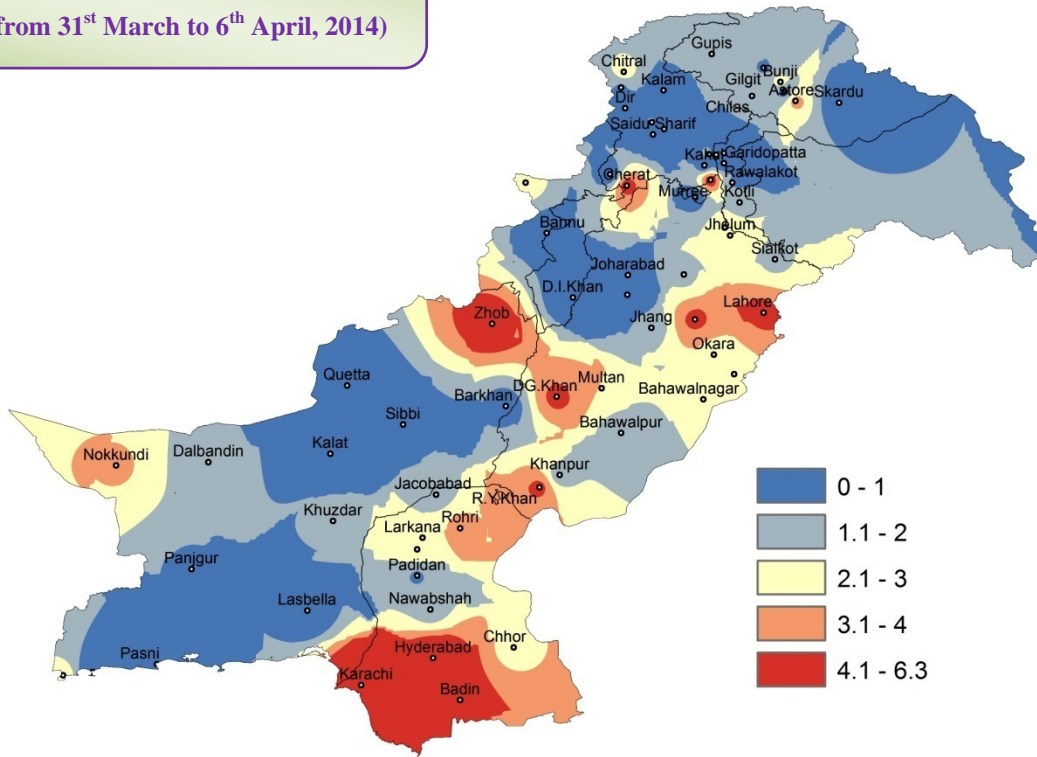
Mean Relative Humidity (%) during the Previous week (from 31st March to 6th April, 2014)



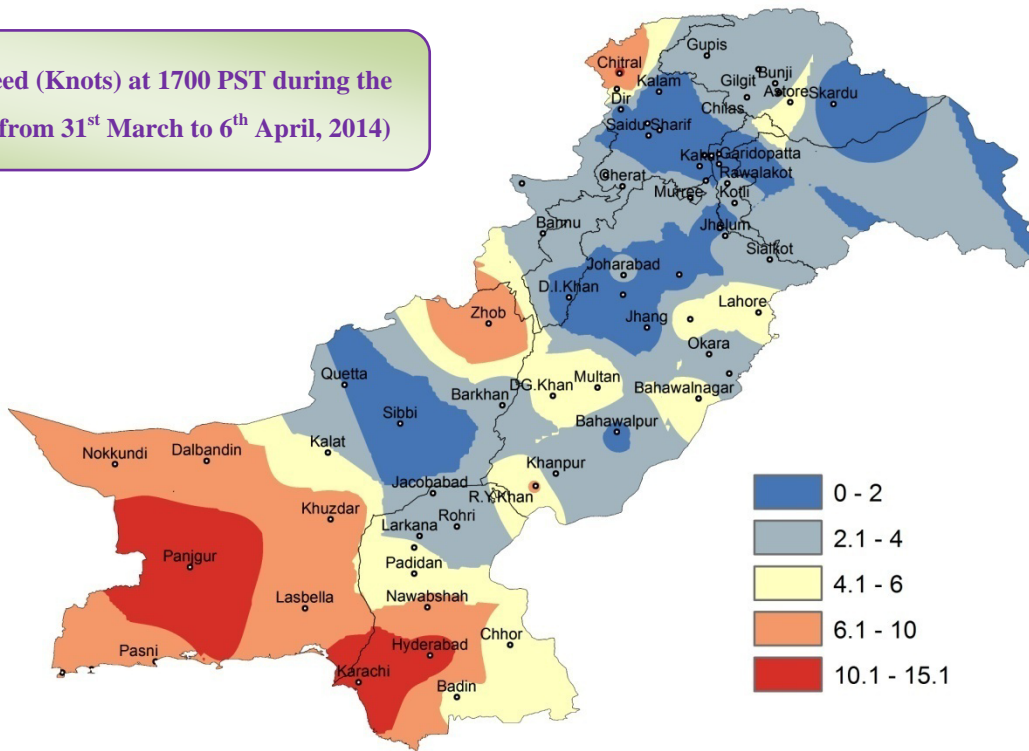
Total Growing Degree Days accumulated during the Previous week (from 31st March to 6th April, 2014)



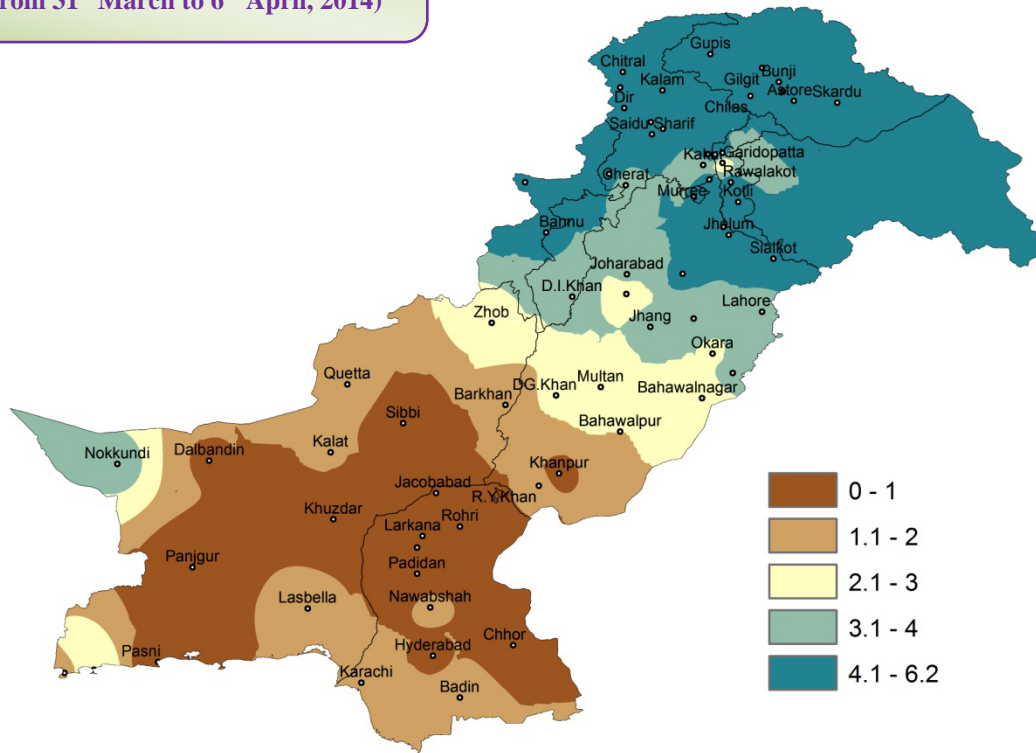
Mean Wind Speed (Knots) at 0800 PST during the Previous week (from 31st March to 6th April, 2014)



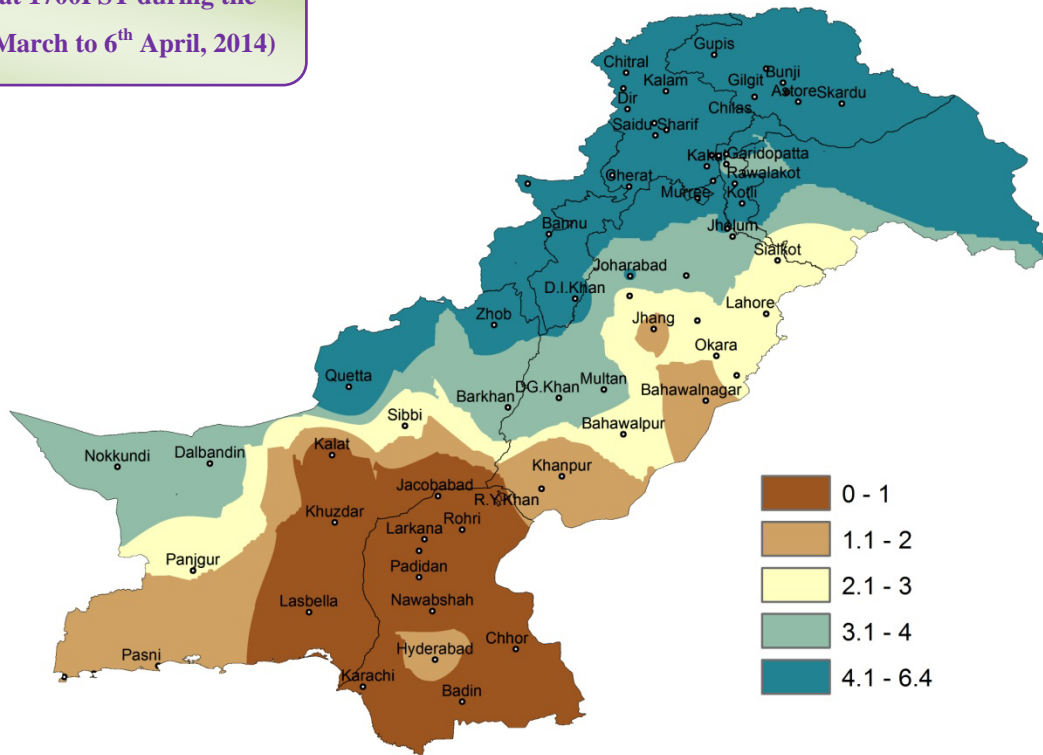
Mean Wind Speed (Knots) at 1700 PST during the Previous week (from 31st March to 6th April, 2014)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 31st March to 6th April, 2014)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (from 31st March to 6th April, 2014)



Weekly Weather Advisory for Farmers **(From 7th to 13th April, 2014)**

A shallow westerly trough is prevailing over Kashmir and adjoining areas and likely to move east-northeastwards during next 24 hours. A fresh westerly wave is expected to approach upper parts of the country during the weekend and likely to persist till Monday (morning). Continental air would prevail in most parts of the country during rest of days of the week.

Punjab including Islamabad

Mainly dry weather is expected in most parts of the province during the current week, however rain-thundershower (associated with gusty winds) is expected at isolated places in Gujranwala, Lahore and Rawalpindi divisions today and again in Islamabad, Upper Punjab (Rawalpindi, Gujranwala, Sargodha, and Lahore divisions) during the weekend.

Khyber Pakhtunkhwa

Mainly dry weather is expected in most parts of the province during the current week, however rain-thundershower (associated with gusty winds) is expected at isolated places in Malakand and Hazara divisions today & tomorrow, and again at scattered places in upper KP (Malakand and Hazara divisions), at isolated places in Peshawar and Kohat divisions during the weekend.

Balochistan

Mainly dry weather is expected in most parts of the province during the week. However, rain-thunderstorm is expected at isolated places in Quetta & Zhob divisions on Friday/Saturday.

Sindh

Mainly hot and dry weather is expected in most parts of the province during the week.

Kashmir

Scattered rain-thundershower (associated with gusty winds) is expected in Kashmir during next 24-36hours and again during the weekend. Mainly dry weather with partly cloudy conditions is expected during rest of the days of the week.

Gilgit-Baltistan

Partly cloudy to cloudy weather conditions with light rain-thunder are expected is expected at isolated places in Gilgit-Baltistan today and tomorrow and again at scattered places during the weekend. No significant weather except partly cloudy conditions at times is expected during rest of the days of the week.

Advises 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 31st to 6th April, 2014)**

Stations	Maximum/Day Time Temperature (°C)		Growing Deg. Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Oktas) 0800PST	Cloudiness (Oktas) 1700PST	Wind Speed (Knots) 0800PST	Wind Speed (Knots) 1700PST
	Mean	Highest							
Astore	12.8	15.5	13.8	45	16.1	4.7	5.1	3.4	5.4
Badin	36.9	40.0	169.3	52	0.0	2.0	0.3	4.3	5.1
Bahawalnagar	31.8	34.5	141.4	56	0.2	2.1	1.1	2.3	5.4
Bahawalpur	32.7	35.5	143.5	58	2.4	2.0	2.1	1.1	1.7
Balakot	23.4	28.0	85.5	57	19.2	4.4	6.1	1.4	0.7
Bannu	26.1	30.6	109.2	70	50.0	4.3	6.1	0.3	3.4
Barkhan	26.6	27.5	107.5	46	20.0	1.4	3.9	0.3	2.3
Bunji	23.8	26.7	92.7	29	1.0	6.3	5.6	2.6	3.7
Cherat	17.6	23.0	54.3	72	65.0	3.7	5.0	4.6	3.7
Chhor	39.1	41.7	174.9	50	0.0	0.1	0.7	2.6	4.3
Chilas	25.3	26.7	99.5	26	0.0	4.1	4.4	1.7	4.0
Chitral	18.3	22.0	43.1	61	32.0	4.4	6.4	2.6	10.6
D.I.Khan	28.8	32.0	120.9	67	40.0	3.4	4.3	0.0	1.1
Dalbandin	31.0	33.5	126.3	44	0.3	0.9	3.7	1.4	7.1
DG.Khan	32.0	34.3	140.2	64	7.1	2.1	3.3	4.3	4.9
Dir	18.5	25.0	55.8	70	76.0	5.0	6.3	0.0	1.4
Drosh	18.5	21.6	43.8	51	29.0	4.7	5.7	0.9	5.7
Faisalabad	30.5	33.0	132.5	59	4.2	3.1	3.4	1.1	1.7
Garidopatta	23.8	31.0	80.3	59	24.0	1.7	3.3	0.0	0.0
Gawader	31.4	33.5	***	66	0.0	3.0	1.9	0.0	9.0
Gilgit	23.8	25.5	81.5	38	0.1	5.6	5.0	0.9	2.9
Gupis	17.3	20.0	41.3	40	9.0	4.6	4.4	2.0	3.4

Hyderabad	38.0	40.0	172.8	45	0.0	0.7	1.3	6.3	12.3
Islamabad	25.3	30.5	99.6	70	9.2	4.0	4.0	0.0	3.0
Jacobabad	35.2	36.0	***	59	0.0	0.4	0.0	1.4	2.0
Jhang	31.0	33.5	126.2	62	14.0	3.3	1.7	1.4	1.1
Jhelum	28.8	33.0	118.1	64	34.3	4.3	3.6	2.6	3.7
Jiwani	30.3	33.0	146.2	72	0.0	1.7	1.4	2.6	7.7
Joharabad	29.2	33.2	121.5	70	52.0	3.1	4.1	0.9	2.6
Kakul	20.2	24.5	63.3	65	25.0	3.1	5.0	0.0	1.4
Kalam	13.2	18.0	17.9	69	73.0	4.6	5.3	0.0	0.0
Kalat	19.9	21.0	51.5	52	11.0	1.1	0.4	0.0	4.0
Karachi	33.3	36.0	161.8	65	0.0	1.9	0.4	6.3	12.0
Khanpur	34.5	37.0	137.0	56	22.0	0.9	1.1	1.4	2.0
Khuzdar	29.5	32.0	122.3	33	0.0	0.0	0.9	1.4	7.7
Kotli	26.3	30.8	106.7	60	34.2	4.4	4.3	1.4	2.3
Lahore	29.3	31.8	125.1	58	10.3	3.7	2.9	4.3	5.4
Larkana	36.2	37.0	168.6	49	0.1	0.0	0.3	2.3	3.1
Lasbella	36.3	38.0	164.5	55	0.1	1.7	0.4	0.0	7.4
Lower Dir	22.1	29.0	82.8	65	78.0	4.6	5.4	1.1	1.7
M.B Din	28.5	32.0	120.8	66	21.4	4.3	3.1	1.7	1.1
Malam Jabba	11.4	17.5	18.8	67	78.0	4.6	5.6	0.0	0.0
Mangla	27.7	31.5	110.7	65	28.1	4.3	4.1	2.6	0.0
Mir Khani	20.6	25.0	***	52	26.0	4.7	5.1	0.3	3.0
Moinjodaro	36.2	37.3	152.9	48	0.0	0.6	0.0	2.9	4.6
Multan	31.2	33.2	139.0	61	3.0	2.5	3.4	3.0	5.1
Murree	14.1	18.0	31.8	65	22.1	4.6	5.1	4.9	2.0
Muzaffarabad	25.9	36.0	90.0	63	7.2	4.6	5.0	0.3	1.3

Nawabshah	39.0	40.5	169.0	40	1.0	1.3	0.9	1.4	6.7
Nokkundi	31.1	33.5	136.2	31	0.4	3.4	3.9	3.1	9.7
Noorpurthal	31.2	36.4	128.2	68	48.0	2.6	2.4	0.0	0.3
Okara	30.6	33.0	132.6	58	0.3	2.9	2.0	2.6	2.6
Padidan	37.1	39.5	168.3	47	0.1	0.0	0.9	0.9	4.3
Panjgur	29.6	32.0	130.3	43	7.0	0.0	2.0	0.9	15.1
Parachinar	15.2	16.3	29.9	79	85.0	5.3	5.4	2.6	4.0
Pasni	31.2	34.0	148.3	73	0.0	0.0	1.0	0.9	8.9
Pattan	23.2	28.5	83.0	64	48.0	4.6	4.1	0.0	1.7
Peshawar	25.9	31.0	102.0	67	46.1	4.3	6.1	0.0	2.0
Quetta	21.2	23.4	74.0	47	6.6	1.7	5.4	3.3	4.1
R.Y.Khan	35.1	37.7	155.7	54	23.0	1.1	1.1	4.3	6.3
Rawalakot	18.0	22.0	47.5	74	70.0	4.4	4.3	0.9	2.6
Rohri	35.7	36.5	170.0	47	0.0	0.6	0.4	3.4	2.9
Rawalpindi	26.3	30.5	102.6	63	9.1	3.7	2.9	0.8	1.1
Sahiwal	30.7	33.2	127.9	60	0.3	3.4	2.4	2.6	2.3
Saidu Sharif	21.8	27.2	82.2	64	50.0	4.4	5.3	0.0	0.6
Sialkot	27.4	30.2	116.8	63	13.2	4.4	2.1	1.7	2.6
Sibbi	34.7	35.5	154.0	45	0.1	0.0	2.0	0.0	0.0
Skardu	17.5	20.2	42.4	35	7.0	5.3	5.0	0.0	0.0
Tandojam	38.6	40.0	170.0	53	0.0	0.3	0.4	1.4	3.8
U.Muhammad	35.1	36.0	155.3	50	0.0	1.0	1.7	0.1	0.1
Zhob	24.5	26.0	91.5	51	14.0	2.6	4.1	5.0	9.0

*** Shows that data was not available.