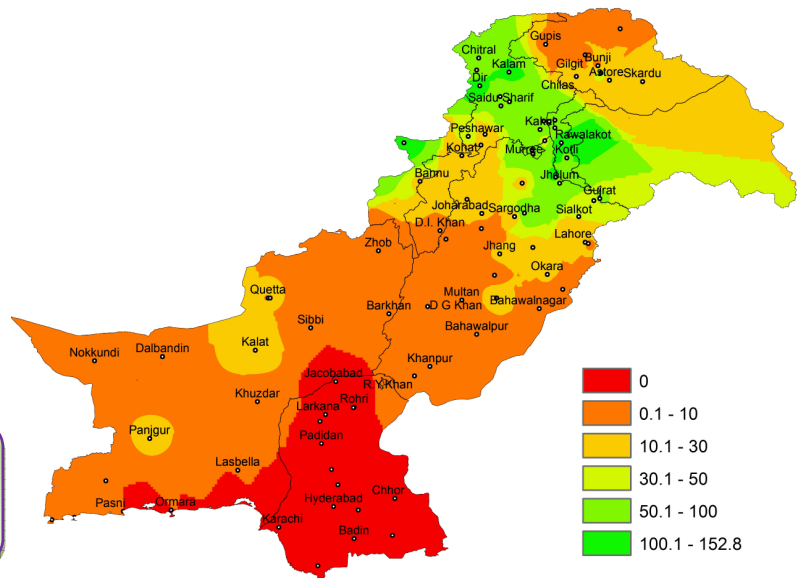


Weekly Weather and Crop Bulletin for Pakistan

**NATIONAL AGROMET CENTRE
PAKISTAN METEOROLOGICAL
DEPARTMENT SECTOR H-8/2,
ISLAMABAD.**

Phone: +92-51-9250592

Email: info@namc.pmd.gov.pk



**Rainfall Distribution (mm) during the
Previous Week (From 10th to 16th March, 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 10th to 16th March, 2014)

Mainly cold weather was reported from most parts of the country during the week. Province wise distribution of rainfall reported as follows:

- Moderate to heavy rainfall reported at many places in Gilgit-Baltistan and Kashmir regions.
- Light to moderate rainfall reported at many places in Punjab, Khyber Pakhtunkhwa.
- Light to moderate rainfall reported at few places in Balochistan.
- Dry weather was reported 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 10th to 16th March, 2014)

Punjab

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 25.1°C & 11.0°C respectively. For the present season average 90.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 65% and wind speed in the morning/evening recorded 1.6/2.6 Knots. During the previous week highest amount of rainfall reported at Mangla 112.0mm and lowest minimum temperature was recorded -1.0°C at Murree.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 31.5°C & 14.9°C respectively. For the present season average 127.7 growing degree days accumulated by the end of last week. Average relative humidity recorded 47% and wind speed in the morning/evening recorded 2.6/4.0 Knots. During the previous week lowest minimum temperature was recorded 9.0°C at Moin Jo Daro.

Khyber Pakhtunkhwa

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 15.6°C & 5.1°C respectively. For the present season average 42.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 72% and wind speed in the morning/evening recorded 1.2/1.9 Knots. The highest amount of rainfall was reported at Parachinar 153.0mm and lowest minimum temperature recorded -5.0°C at Kalam.

Balochistan

Light to moderate rainfall reported at few places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 25.2°C & 10.2°C respectively. For the present season average 83.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 45% and wind speed in the morning/evening recorded 1.6/6.0 Knots. During the previous week highest amount of rainfall reported at Kalat 17.0mm and lowest minimum temperature recorded -3.5°C at Kalat

Gilgit-Baltistan and Azad Jammu & Kashmir

Moderate to heavy rainfall reported at many places in Gilgit-Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 14.9°C & 4.0°C respectively. For the present season average 35.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 66% and wind speed in the morning/evening recorded 1.4/1.8 Knots. During the previous week highest amount of rainfall reported at Rawalakot 152.1mm and lowest minimum temperature recorded -5.2°C at Astore.

Past Weather for Major Agricultural Plains (From 10th to 16th March, 2014)

Rawalpindi (Potohar region)

Rainfall reported as 74.2mm during the week; however cloudiness in the morning/evening recorded 4.4/3.9 Oktas while, average relative humidity observed 71%. Mean night time temperature recorded 7.4°C & for the present season 68.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.8/0.8 Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.0/3.7 Oktas while average relative humidity observed as 56%. Mean night time temperature recorded 11.9°C & for the present season 98.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.2 Knots.

Tandojam (Lower Singh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.4 Oktas while, average relative humidity observed as 46%. Mean night time temperature recorded 15.5°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 0.6/1.1 Knots.

Quetta (Northern Balochistan)

Rainfall reported as Trace (not measureable) during the week; however cloudiness in the morning/evening recorded 5.6/4.6 Oktas while, average relative humidity observed as 38%. Mean night time temperature recorded 4.3°C & for the present season 37.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.6/4.2 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.4/2.4 Oktas while, average relative humidity observed as 51%. Mean night time temperature recorded 12.9°C & for the present season 108.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.1/0.1 Knots.

Past Weather for Sub-Regional Agricultural Plains (From 10th to 16th March, 2014)

Rohri

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.1/1.3 Oktas while, average relative humidity observed as 47%. Mean night time temperature recorded 16.4°C & for the present season 126.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/2.9 Knots.

Multan

Rainfall reported as 2.0mm during the week; however cloudiness in the morning/evening recorded 1.0/3.6 Oktas while, average relative humidity observed as 57%. Mean night time temperature recorded 12.7°C & for the present season 104.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.6/5.4 Knots.

Lahore

Rainfall reported as 12.0mm during the week; however cloudiness in the morning/evening recorded 1.9/3.7 Oktas while, average relative humidity observed as 65%. Mean night time temperature recorded 11.6°C & for the present season 94.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.7/6.0 Knots.

Kalam

Rainfall reported as 111.0mm during the week; however cloudiness in the morning/evening recorded 5.7/6.6 Oktas while, average relative humidity observed as 84%. Mean night time temperature recorded -1.2°C by the end of last week.

Zhob

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.0/4.0 Oktas while, average relative humidity observed as 40%. Mean night time temperature recorded 6.0°C & for the present season 57.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/8.1 Knots.

D.I. Khan

Rainfall reported as 9.1mm during the week; however cloudiness in the morning/evening recorded 2.7/4.6 Oktas while, average relative humidity observed as 65%. Mean night time temperature recorded 9.8°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 0.3/1.1 Knots.

Peshawar

Rainfall reported as 36.3mm during the week; however cloudiness in the morning/evening recorded 4.4/5.9 Oktas while, average relative humidity observed as 77%. Mean night time temperature recorded 9.1°C & for the present season 71.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.4 Knots.

Murree

Rainfall reported as 37.5mm during the week; however cloudiness in the morning/evening recorded 5.1/5.0 Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded 0.9°C & for the present season 7.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.6/1.1 Knots.

Gilgit

Rainfall reported as 7.2mm during the week; however cloudiness in the morning/evening recorded 7.1/6.3 Oktas while, average relative humidity observed as 63%. Mean night time temperature recorded 5.5°C & for the present season 41.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/2.3 Knots.

Skardu

Rainfall reported as 18.0mm during the week; however cloudiness in the morning/evening recorded 7.0/6.0 Oktas while, average relative humidity observed as 68%. Mean night time temperature recorded 1.5°C & for the present season 8.8 growing degree days accumulated 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 *Shooting* stage completed.

Lower Sindh (Tandojam)

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

Wheat (PD-1): Good condition at *Wax maturity* stage.

Northern Balochistan (Quetta)

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

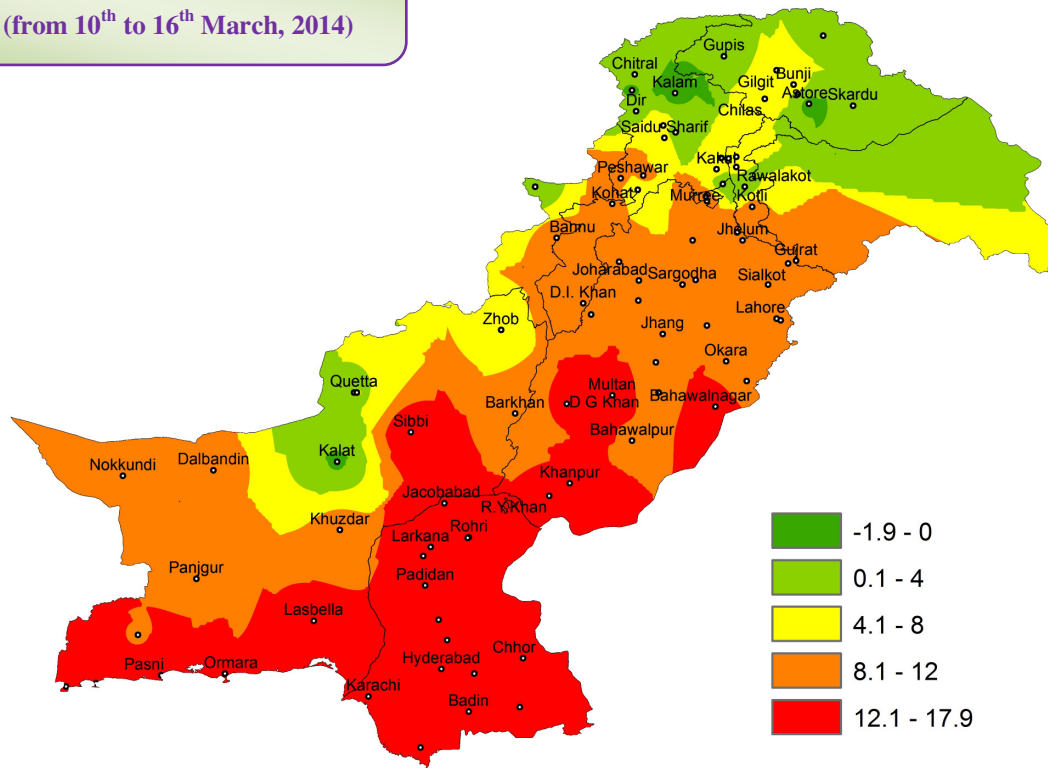
Wheat (Local white): Good condition at *Tillering* stage completed.

Eastern Balochistan (Usta Muhammad)

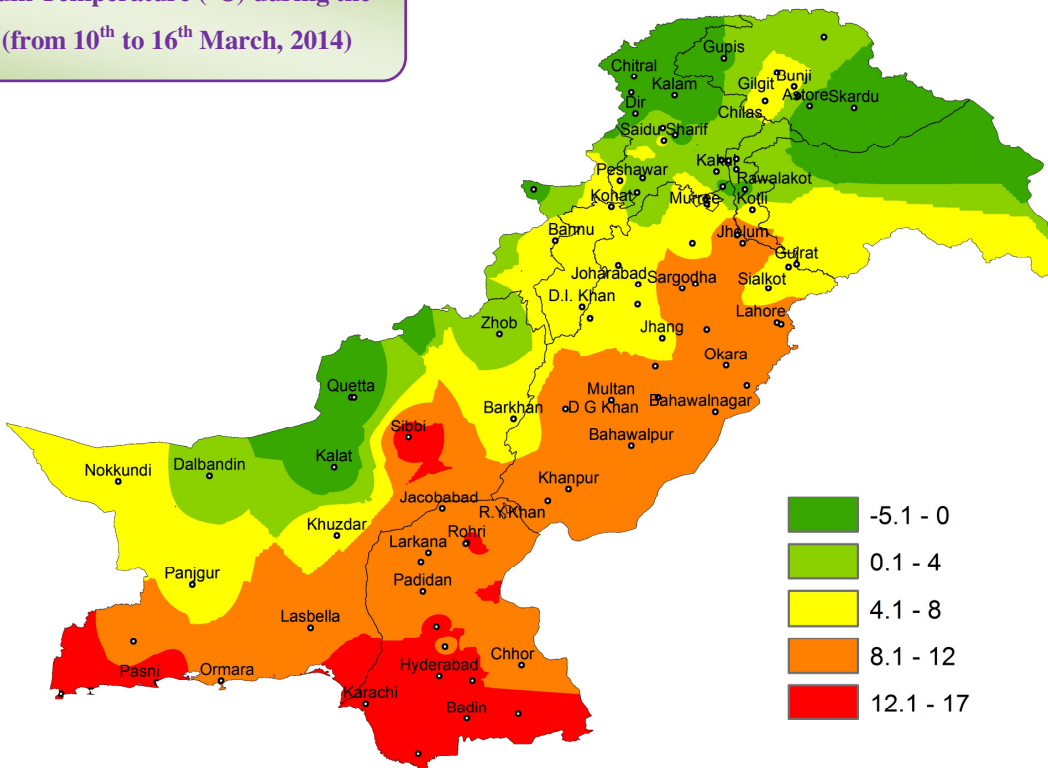
There is presently one crop (irrigated condition) grown in the fields of RMC Usta Muhammad.

Wheat: Good condition at *Heading* stage completed.

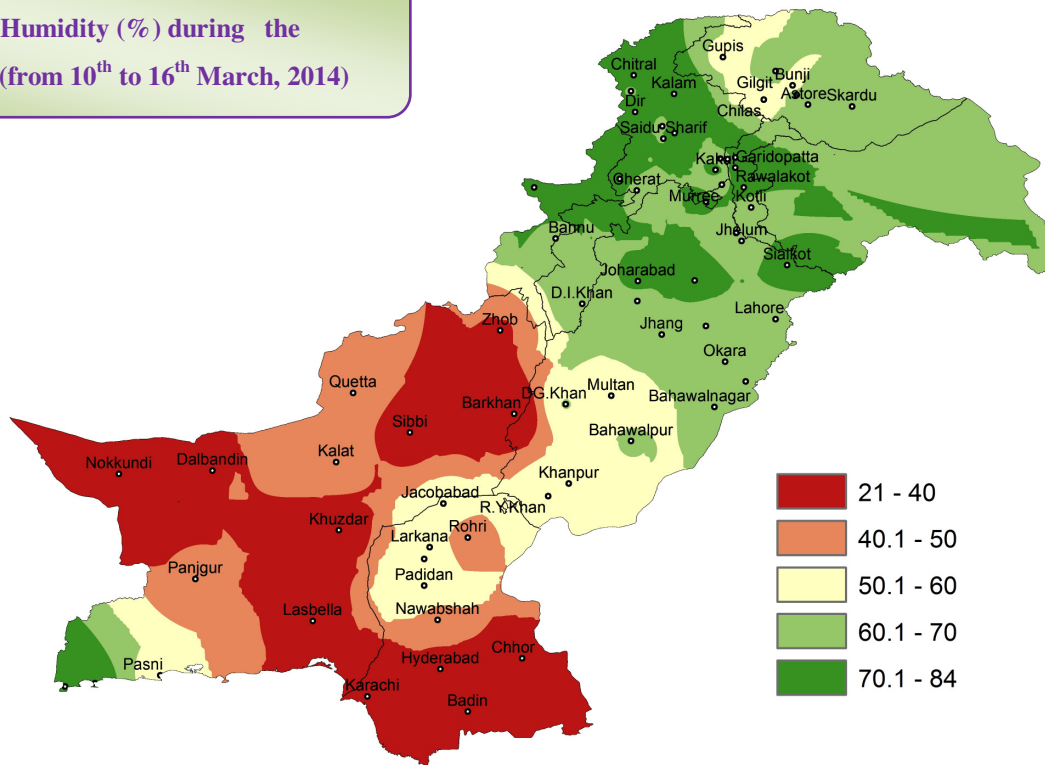
Mean Minimum Temperature (°C) during the Previous week (from 10th to 16th March, 2014)



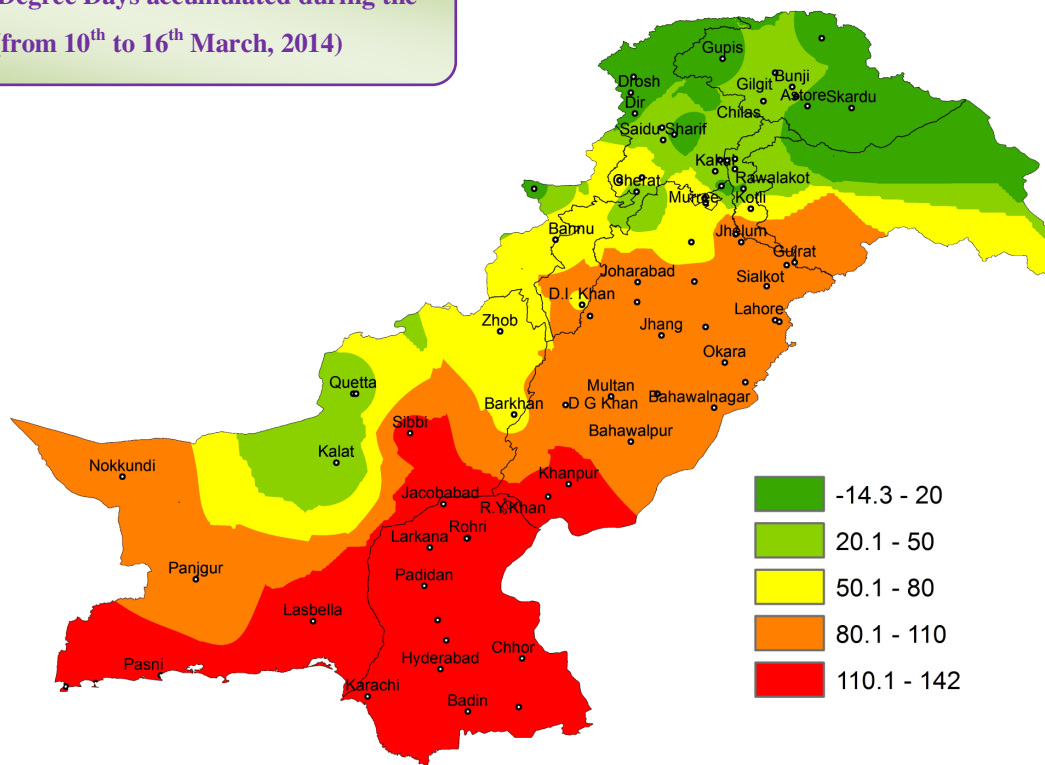
Lowest Minimum Temperature (°C) during the Previous week (from 10th to 16th March, 2014)



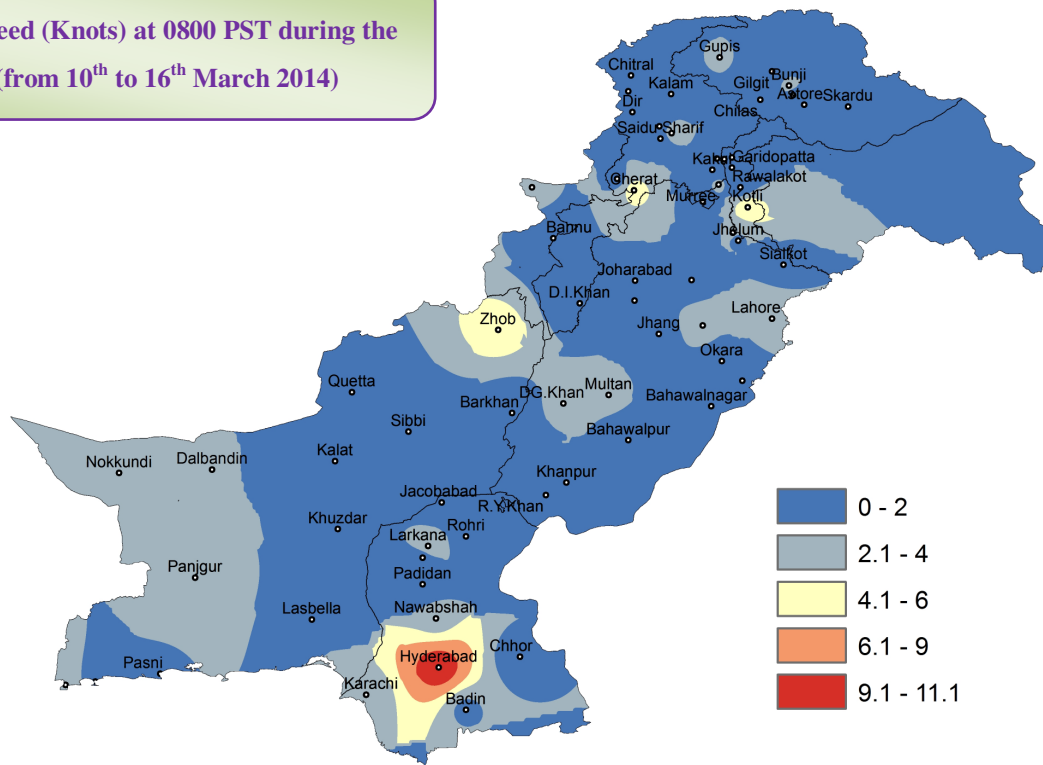
Mean Relative Humidity (%) during the Previous week (from 10th to 16th March, 2014)



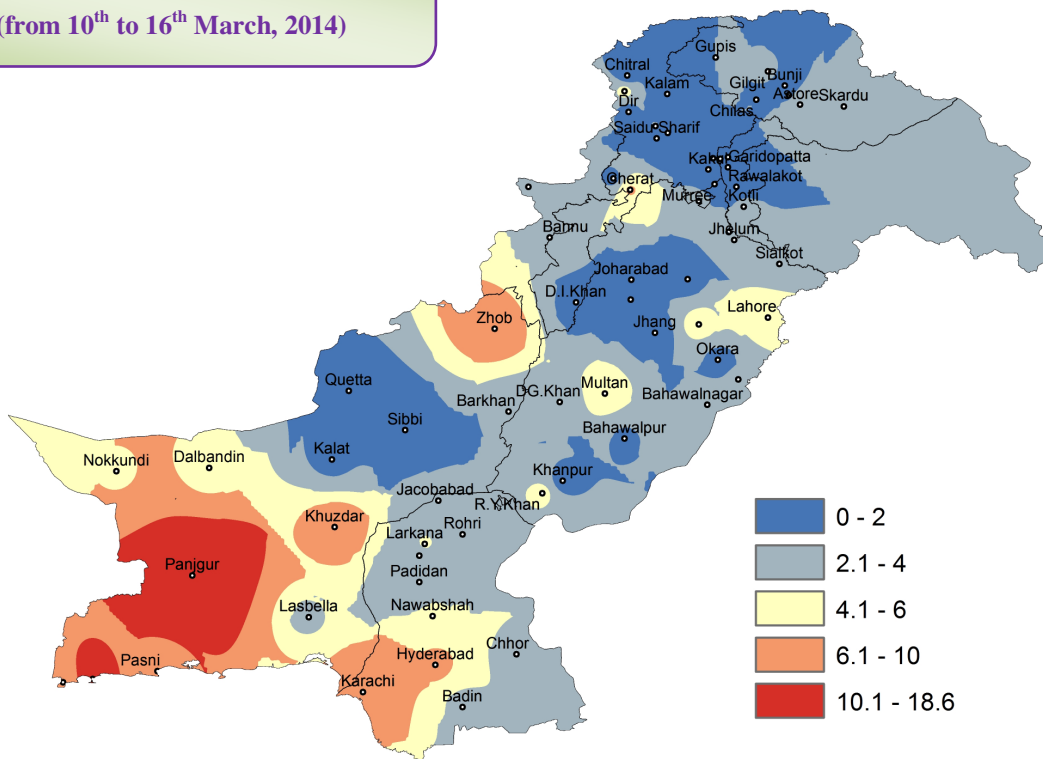
Total Growing Degree Days accumulated during the Previous week (from 10th to 16th March, 2014)



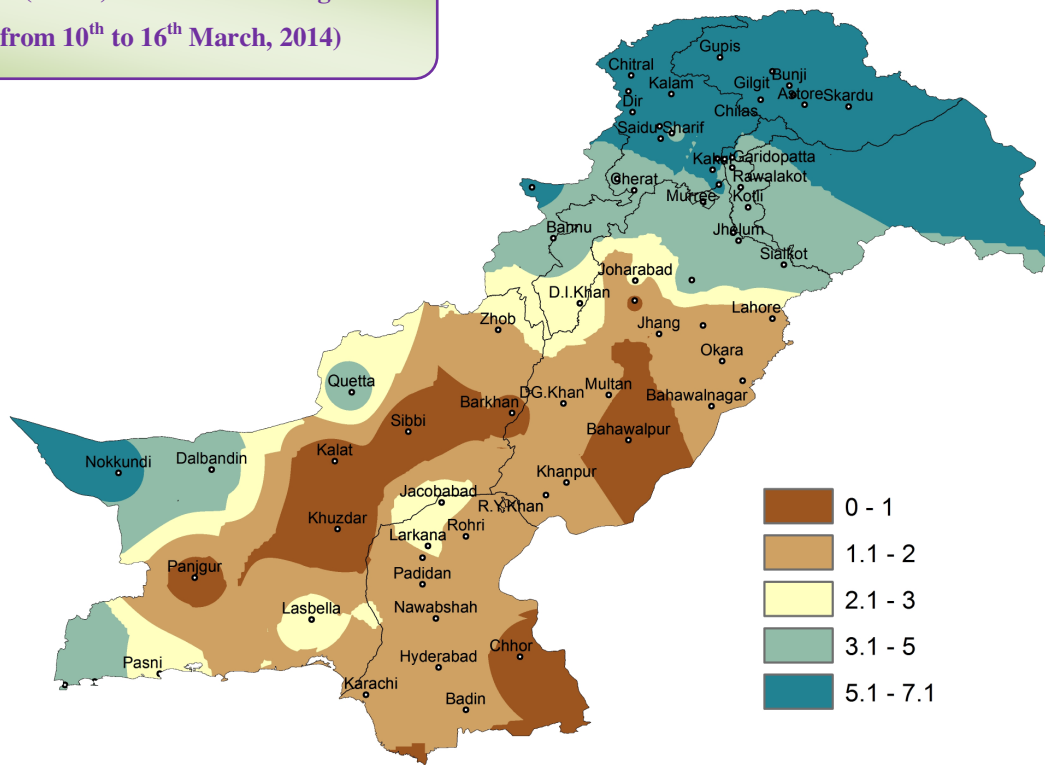
Mean Wind Speed (Knots) at 0800 PST during the Previous week (from 10th to 16th March 2014)



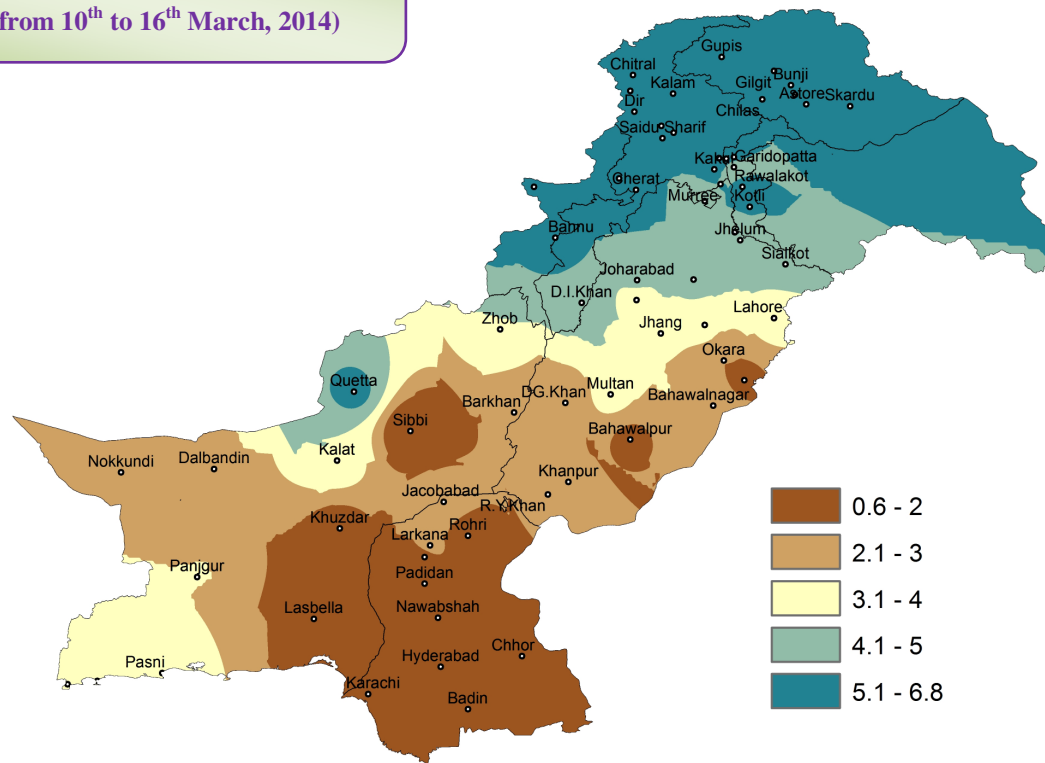
Mean Wind Speed (Knots) at 1700 PST during the Previous week (from 10th to 16th March, 2014)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 10th to 16th March, 2014)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (from 10th to 16th March, 2014)



Weekly Weather Advisory for Farmers
(From 10th to 16th March, 2014)

A westerly wave is affecting upper parts of the country and expected to persist in upper parts of the country till Tuesday morning. Continental air would prevail over most parts of the country during rest of the week. A fresh shallow westerly wave is expected to approach upper parts of the country again on weekend.

Punjab including Islamabad

Scattered rain-thunderstorm (with snow over hills) expected in Islamabad, Upper Punjab (Rawalpindi, Gujranwala, Sargodha, Faisalabad and Lahore divisions) during today/Tuesday morning. Mainly dry weather is expected in most parts of the province during rest of the week, however, partly cloudy weather conditions with isolated rain-thunderstorm is expected in upper Punjab including Islamabad again during weekend (Saturday/Sunday).

Khyber Pakhtunkhwa

Scattered rain-thunderstorm (with snow over hills) expected in upper KP (Malakand, Hazara, Peshawar, Kohat divisions), while at isolated places in Bannu and D.I.Khan divisions today. Mainly dry weather is expected in most parts of the country during rest of the week, however, isolated rain thunderstorm expected in Malakand, Hazara, Peshwar, D.I.Khan divisions again during the weekend (Saturday/Sunday).

Balochistan

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

Sindh

Mainly dry weather is expected in most parts of the province during the week. Day temperatures are expected to rise 3-4 degrees above normal in the province.

Kashmir

Scattered rain-thunderstorm (with snow over hills) expected in Kashmir during today/Tuesday and again at isolated places during the weekend (Saturday/Sunday). Cold and dry weather with partly cloudy conditions is expected during rest days of the week.

Gilgit-Baltistan

Scattered rain-thunderstorm (with snow over hills) expected in Gilgit-Baltistan during today/Tuesday and again during Friday (night) to Sunday. Cold and dry weather with partly cloudy conditions expected during rest 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 10th to 16th 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	-1.9	-5.2	***	69	20.0	6.3	5.6	1.4	3.4
Badin	15.1	12.5	134.3	38	0.0	1.0	1.3	1.4	3.4
Bahawalnagar	13.0	10.5	106.8	61	2.0	1.1	2.9	0.9	2.9
Bahawalpur	11.8	9.5	104.6	60	0.0	0.6	1.7	0.3	1.7
Balakot	5.7	2.8	46.2	70	64.0	5.3	5.9	1.0	0.9
Bannu	9.8	6.0	75.8	68	25.0	3.6	5.6	0.3	4.0
Barkhan	8.4	5.5	75.0	27	0.1	0.9	2.3	0.0	2.3
Bunji	7.5	5.6	47.8	56	4.0	6.6	6.9	2.6	1.1
Cherat	4.4	1.0	20.3	66	27.0	3.3	5.1	4.9	6.3
Chhor	13.8	10.5	135.9	38	0.0	0.7	1.1	0.3	3.4
Chilas	7.0	4.5	48.3	58	15.0	6.7	5.4	0.9	2.0
Chitral	2.1	0.0	14.9	79	75.0	6.7	6.6	0.6	0.6
DG.Khan	12.9	10.5	104.7	60	0.2	1.6	2.1	2.9	2.6
D.I.Khan	9.8	6.6	74.5	65	9.1	2.7	4.6	0.3	1.1
Dalbandin	9.3	2.0	***	40	3.1	3.4	2.7	2.3	4.9
Dir	2.8	-1.0	19.3	80	132.0	5.7	6.0	0.0	1.1
Drosh	-0.7	-4.5	1.0	68	65.0	6.9	6.4	0.9	4.9
Faisalabad	11.9	9.5	98.3	56	0.0	2.0	3.7	1.1	1.2
Garidopatta	4.7	3.0	49.3	71	70.0	3.4	4.0	0.0	0.6
Gawader	15.8	13.5	121.8	74	8.0	3.4	3.3	1.4	11.6
Gilgit	5.5	4.0	41.9	63	7.2	7.1	6.3	0.3	2.3
Gupis	0.5	-0.5	5.6	58	4.0	7.0	6.4	2.3	2.0

Hyderabad	17.9	16.0	138.1	33	0.0	1.7	1.4	11.1	6.6
Islamabad	9.1	6.5	72.3	71	85.1	4.6	4.4	0.6	2.6
Jacobabad	13.7	10.5	118.6	55	0.0	2.4	2.9	0.6	2.6
Jhang	10.2	7.8	92.5	63	11.0	1.0	3.1	1.1	0.6
Jhelum	10.9	9.4	89.6	67	71.0	4.0	4.6	1.7	2.6
Jiwani	17.9	17.0	124.2	74	0.0	4.1	3.9	2.9	8.6
Joharabad	9.9	7.5	87.0	73	12.0	2.1	4.1	0.9	1.1
Kakul	5.4	1.0	41.0	71	70.1	5.0	5.3	0.0	1.7
Kalam	-1.2	-5.0	***	84	111.0	5.7	6.6	0.0	0.0
Kalat	-0.2	-3.5	27.3	47	17.0	0.6	4.0	0.3	1.4
Karachi	17.9	16.5	142.0	34	0.0	1.0	2.0	2.3	8.3
Khanpur	12.0	9.5	110.6	57	0.1	1.0	2.1	1.1	1.1
Khuzdar	9.3	8.0	***	33	2.0	0.0	1.4	0.0	7.7
Kotli	9.5	6.4	74.4	62	93.1	4.6	5.1	5.9	2.7
Lahore	11.6	8.4	94.6	65	12.0	1.9	3.7	3.7	6.0
Larkana	14.6	11.5	120.4	52	0.0	2.4	2.4	3.1	4.3
Lasbella	13.2	10.5	126.1	36	0.0	2.3	1.4	0.9	3.7
Lower Dir	6.6	4.0	46.9	69	48.0	5.7	6.0	0.6	2.3
Malam Jabba	-0.7	-3.0	***	76	106.0	4.7	5.7	3.4	0.0
Mandi Bahudin	11.8	9.5	89.5	76	94.0	3.4	4.4	1.1	1.1
Mangla	10.9	8.9	88.1	66	112.0	4.3	4.3	2.1	2.3
Mir Khani	3.3	2.6	25.4	63	44.0	6.7	6.6	1.3	1.9
Moinjodaro	13.3	9.0	***	52	0.0	1.6	1.6	1.1	2.6
Multan	12.7	9.5	104.9	57	2.0	1.0	3.6	2.6	5.4
Murree	0.9	-1.0	7.8	67	37.5	5.1	5.0	2.6	1.1
Muzaffarabad	5.5	2.6	47.7	68	85.2	5.1	5.6	0.0	1.1

Nokkundi	11.6	6.6	93.0	21	0.3	5.4	2.9	3.1	5.7
Noorpurthal	10.8	7.5	100.4	65	5.0	0.9	3.7	0.6	1.7
Okara	11.7	10.0	98.7	63	12.0	2.0	2.0	0.6	1.4
Padidan	13.1	10.0	115.8	59	0.0	1.9	1.3	0.6	2.3
Panjgur	10.4	6.5	84.5	42	12.0	0.7	3.0	4.0	18.6
Parachinar	0.1	-1.0	14.3	78	153.0	5.7	6.0	3.0	2.9
Pasni	16.7	14.5	***	53	0.0	2.3	3.6	1.7	7.7
Pattan	5.0	2.0	41.3	75	82.0	5.3	5.4	2.0	1.7
Peshawar	9.1	4.6	71.8	77	36.3	4.4	5.9	1.1	1.4
Quetta	4.3	-2.0	37.7	38	0.1	5.6	4.6	3.6	4.2
Rawalpindi	7.4	3.0	68.5	71	74.2	4.4	3.9	0.8	0.8
R.Y.Khan	13.2	11.0	117.2	56	0.1	1.4	2.3	2.0	4.6
Rawalakot	1.5	-1.2	17.2	79	152.1	4.9	5.4	0.0	0.3
Rohri	16.4	13.0	126.3	47	0.0	1.1	1.3	1.4	2.9
Sahiwal	11.0	8.0	95.7	65	3.0	1.4	1.7	0.6	2.3
Saidu Sharif	7.1	5.0	48.6	70	61.0	5.4	5.4	0.0	0.0
Sialkot	11.2	7.9	86.8	74	46.0	3.7	4.1	1.1	2.6
Sibbi	16.2	14.0	121.6	32	0.0	0.0	0.6	0.0	0.0
Skardu	1.5	-0.6	8.8	68	18.0	7.0	6.0	0.0	2.0
Tandojam	15.5	13.0	132.5	46	0.0	0.0	0.4	0.6	1.1
U.Muhammad	12.9	9.5	108.8	51	0.0	1.4	2.4	0.1	0.1
Zhob	6.0	2.0	57.6	40	0.0	2.0	4.0	5.0	8.1

*** Shows that data was not available.