

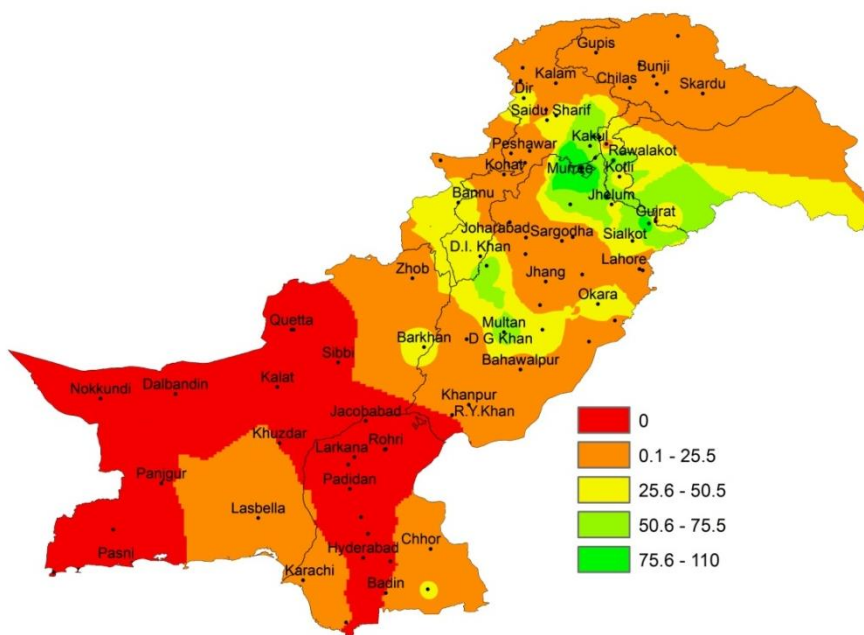
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the
Previous Week (From 14th to 20th July, 2014)**



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Chief Editor: Dr. Khalid Mahmood Malik (Director)
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Highlights of Past Weather (From 14th to 20th July, 2014)

Mainly normal day time temperature 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 few places in Punjab and Khyber Pakhtunkhwa & Gilgit-Baltistan & Kashmir regions.
- Light to moderate rainfall reported at few places in Sindh.
- Isolated rainfall reported in Balochistan.

Past Weather of Provinces (From 14th to 20th July, 2014)

Punjab

Light to moderate rainfall reported at few places in Punjab during the week. Weekly maximum and minimum temperatures recorded 36.9°C & 26.5°C respectively. For the present season average 186.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 64% and wind speed in the morning/evening recorded 2.7/2.7 Knots. During the previous week highest amount of rainfall reported at Islamabad 146.0 mm and highest maximum temperature was recorded 46.0°C at Noorpur Thal.

Sindh

Light to moderate rainfall reported at few places in Sindh during the week. Weekly maximum and minimum temperatures recorded 39.8°C & 27.9°C respectively. For the present season average 201.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 58% and wind speed in the morning/evening recorded 4.5/7.1 Knots. During the previous week highest amount of rainfall reported at Mithi 28.0 mm and highest maximum temperature was recorded 45.7°C at Dadu.

Khyber Pakhtunkhwa

Light to moderate rainfall reported at few places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 34.1°C & 21.7°C respectively. For the present season average 166.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 61% and wind speed in the morning/evening recorded 1.0/3.9 Knots. The highest amount of rainfall was reported at Balakot 81.0mm and highest maximum temperature recorded 44.0°C at D.I.Khan.

Balochistan

Isolated rainfall reported in Balochistan during the week. Weekly maximum and minimum

temperatures recorded 38.3°C & 25.3°C respectively. For the present season average 190.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 43% and wind speed in the morning/evening recorded 5.4/1.2 Knots. During the previous week highest amount of rainfall reported at Brakhan 32.0mm highest maximum temperature recorded 46.0°C at Sibbi.

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 30.7°C & 18.3°C respectively. For the present season average 130.8 growing degree days accumulated by the end of last week. Average relative humidity recorded 59% and wind speed in the morning/evening recorded 1.4/1.8 Knots. During the previous week highest amount of rainfall reported at Kotli 79.1mm and highest maximum temperature recorded 42.2°C at Chilas.

**Past Weather for Major Agricultural Plains
(From 14th to 20th July., 2014)****Rawalpindi (Potohar region)**

Rainfall reported as 87.2mm during the week; however cloudiness in the morning/evening recorded 3.0/2.4 Oktas while, average relative humidity observed 65%. Mean day time temperature recorded 35.1°C & for the present season 164.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/0.6Knots.

Faisalabad (Central Punjab)

Rainfall reported as 3.5mm during the week; however cloudiness in the morning/evening recorded 1.6/0.7 Oktas while average relative humidity observed as 59%. Mean day time temperature recorded 38.5°C & for the present season 197.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/1.8 Knots.

Quetta (Northern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.3/1.4 Oktas while, average relative humidity observed as 21%. Mean day time temperature recorded 35.2°C for the present season 160.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/3.7 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.6/1.7 Oktas while, average relative humidity observed as 54%. Mean day time temperature recorded 41.6°C & for the present season 208.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.1/0.1 Knots.

Tandojam (Lower Singh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.3/0.7 Oktas while average relative humidity observed as 68%. Mean day time temperature recorded 37.9°C & for the present season 193.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/0.6 Knots.

**Past Weather for Sub-Regional Agricultural
Plains (From 14th to 20th July., 2014)****Rohri**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.0/0.7Oktas while, average relative humidity observed as 50%. Mean day time temperature recorded 42.6°C & for the present season 206.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.3/1.3 Knots.

Multan

Rainfall reported as 62.2mm during the week; however cloudiness in the morning/evening recorded 3.6/2.7 Oktas while, average relative humidity observed as 62%. Mean day time temperature recorded 39.1°C & for the present season 202.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 7.7/6.6 Knots.

Lahore

Rainfall reported as 16.2mm during the week; however cloudiness in the morning/evening recorded 2.9/3.7 Oktas while, average relative humidity observed as 69%. Mean day time temperature recorded 35.3°C & for the present season 206.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.0/4.0 Knots.

Zhob

Rainfall reported as 12.0mm during the week; however cloudiness in the morning/evening recorded 1.9/1.9 Oktas while, average relative humidity observed as 39%. Mean day time temperature recorded 37.9°C & for the present season 186.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.1/9.4 Knots.

D.I. Khan

Rainfall reported as 37.0mm during the week; however cloudiness in the morning/evening recorded 3.1/3.3 Oktas however while, average relative humidity observed as 65%. Mean day time temperature recorded 38.4°C & for the present season 187.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.4 Knots.

Peshawar

Rainfall reported as 17.0mm during the week; however cloudiness in the morning/evening recorded 2.0/3.1 Oktas while, average relative humidity observed as 62%. Mean day time temperature recorded 37.5°C & for the present season 187.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/2.9 Knots.

Murree

Rainfall reported as 64.0mm during the week; however cloudiness in the morning/evening recorded 5.4/4.1 Oktas while, average relative humidity observed as 76%. Mean day time temperature recorded 23.8°C & for the present season 100.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.3/0.6 Knots.

Kalam

Rainfall reported as 13.0mm during the week; however cloudiness in the morning/evening recorded 2.9/5.6 Oktas while, average relative humidity observed as 69%. Mean day time temperature recorded 26.4°C & for the present season 108.5 growing degree days accumulated by

the end of last week. Wind speed recorded in the morning/evening as 0.0/1.1 Knots.

Gilgit

Rainfall reported as 7.1mm during the week; however cloudiness in the morning/evening recorded 4.7/5.4 Oktas while, average relative humidity observed as 61%. Mean day time temperature recorded 31.9°C & for the present season 171.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 1.7/2.6 Knots.

Skardu

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 3.7/6.4 Oktas while, average relative humidity observed as 47%. Mean day time temperature recorded 28.9°C & for the present season 116.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.4 Knots.

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

Potohar Region (Rawalpindi)

There is presently no crop in the fields of RAMC Rawalpindi.

Central Punjab (Faisalabad)

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

Cotton: Normal condition at *Flowering* stage completed.

Lower Sindh (Tandojam)

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

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

Northern Balochistan (Quetta)

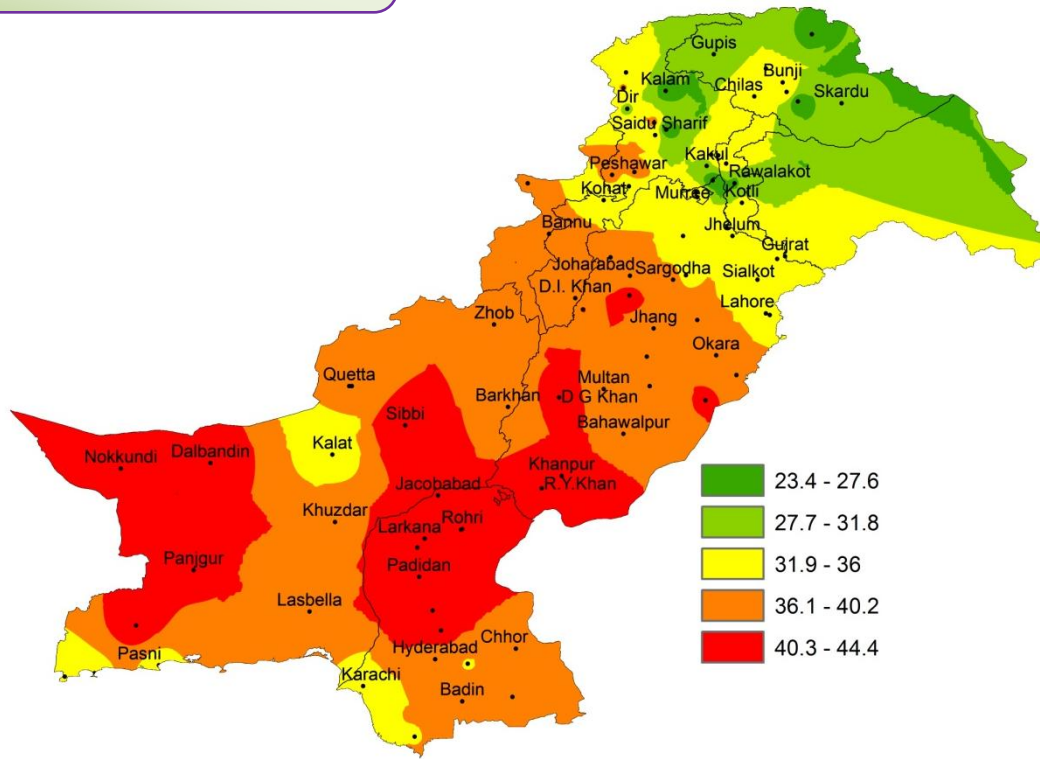
There is presently no crop in the fields of RAMC Quetta.

Eastern Balochistan (Usta Muhammad)

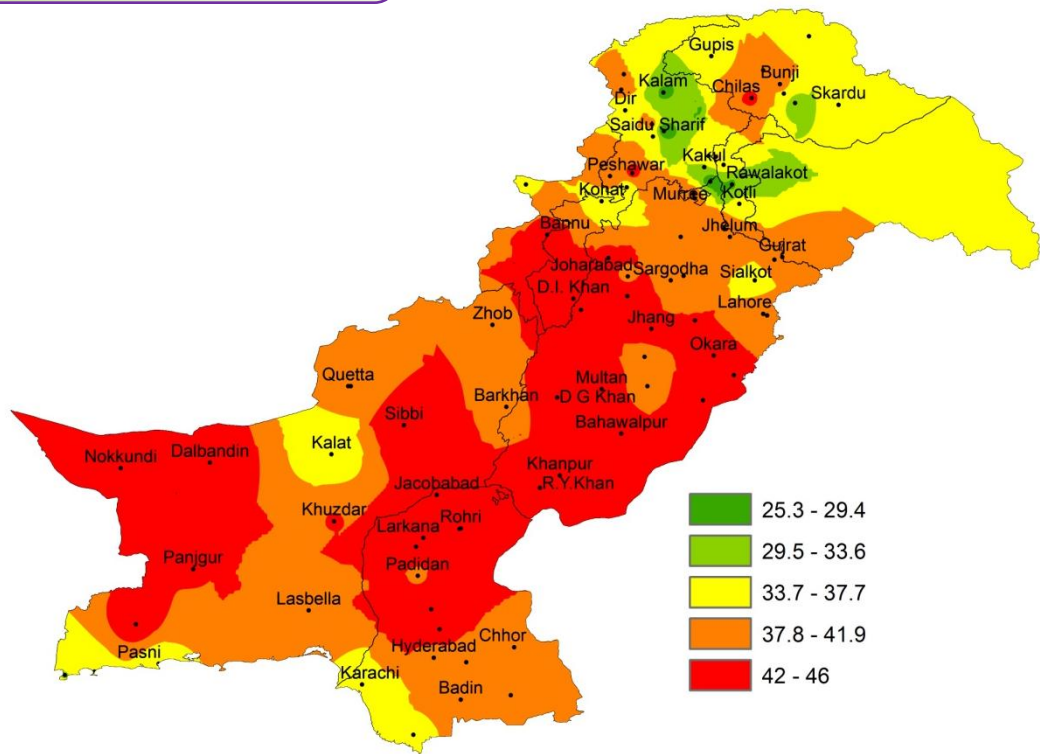
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Rice: Good condition at *Third leaf* stage .

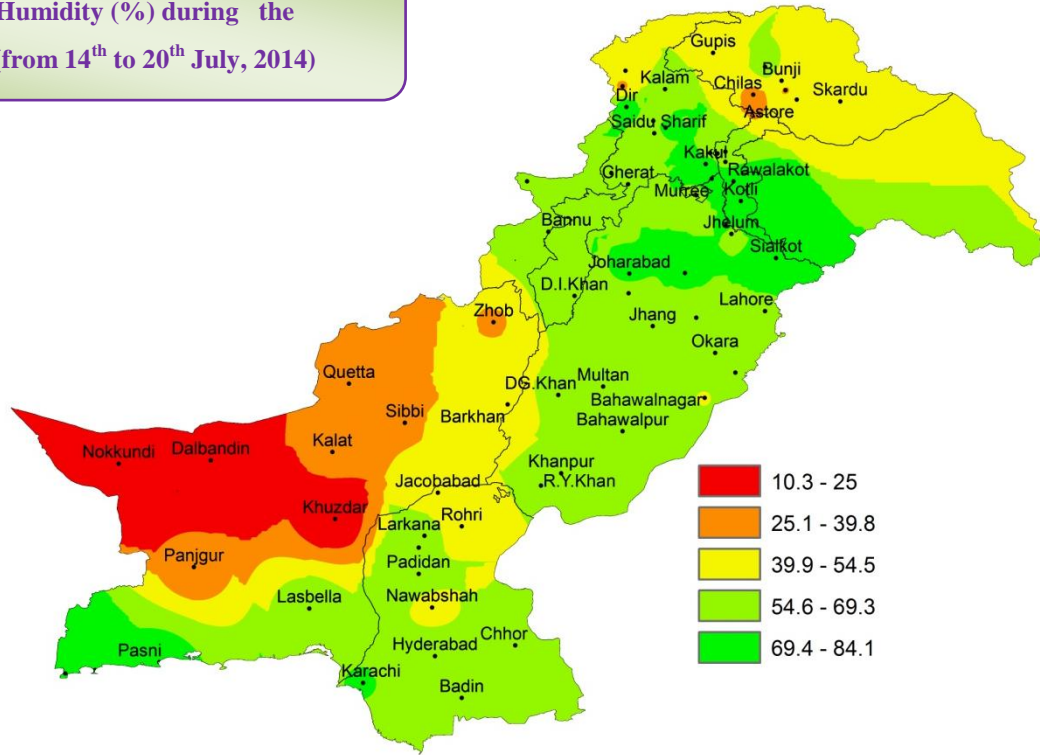
Mean Maximum Temperature (°C) during the Previous week (from 14th to 20th July, 2014)



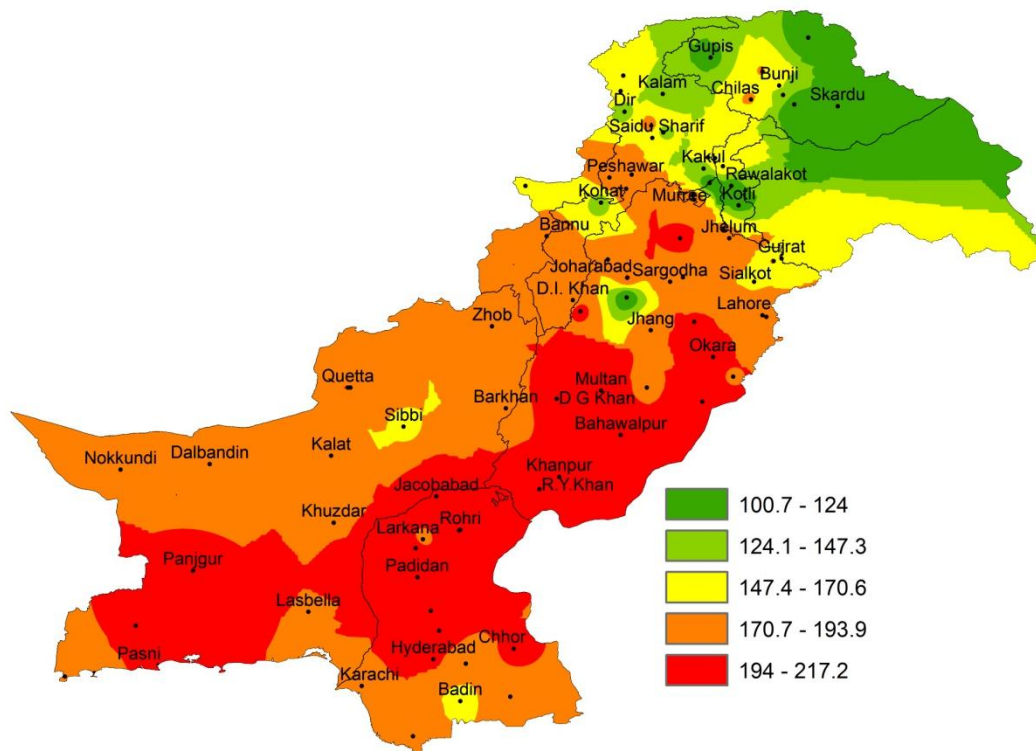
Highest Maximum Temperature (°C) during the Previous week (from 14th to 20th July, 2014)



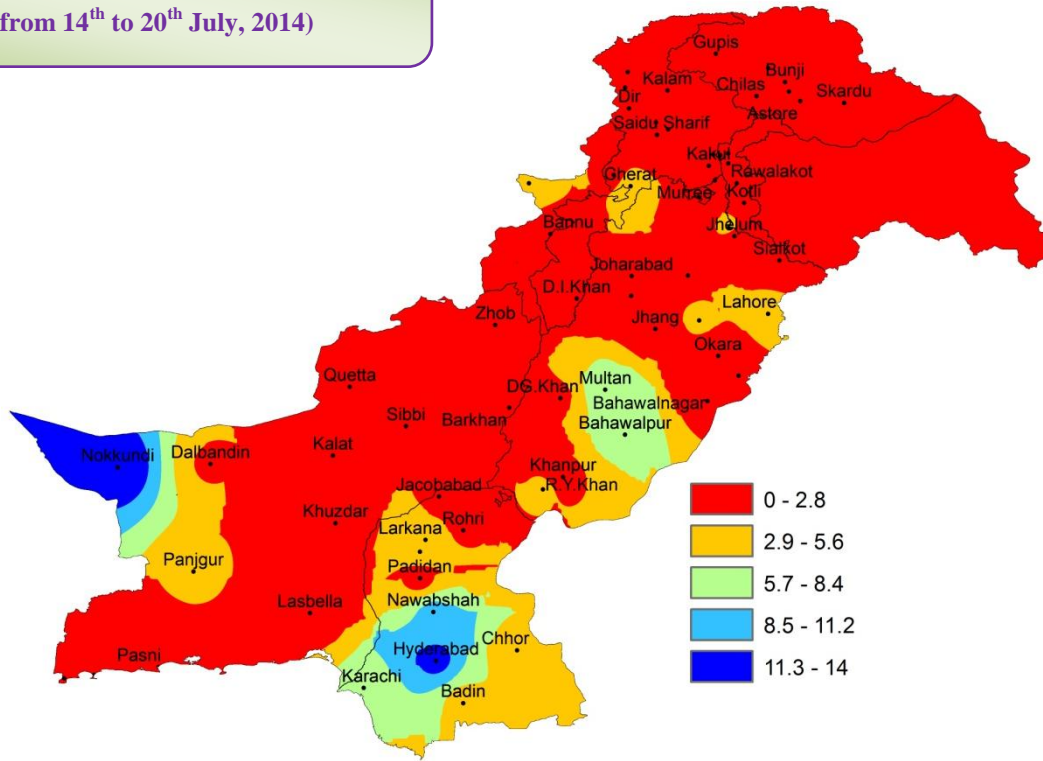
Mean Relative Humidity (%) during the Previous week (from 14th to 20th July, 2014)



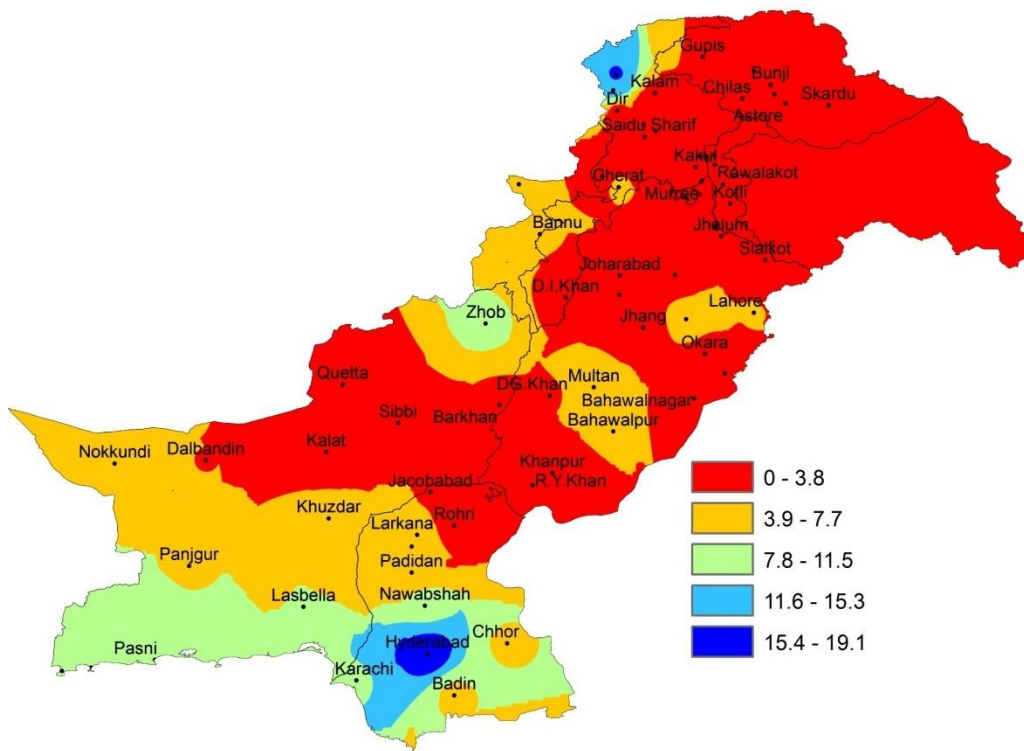
Total Growing Degree Days accumulated during the Previous week (from 14th to 20th July, 2014)



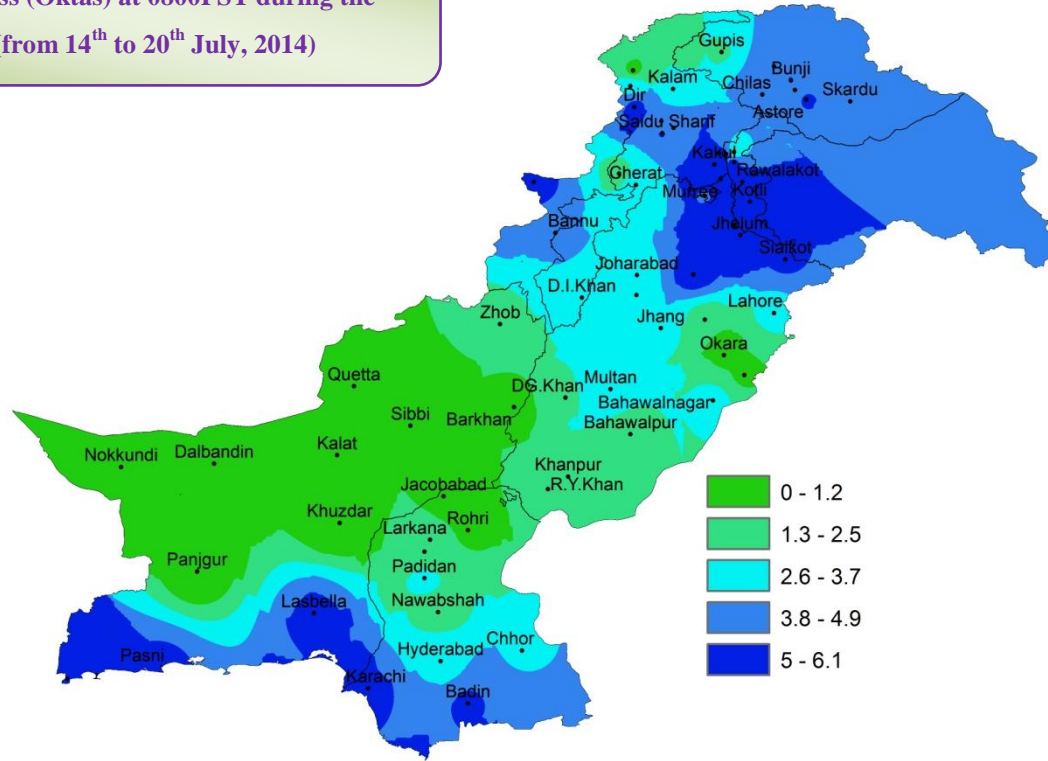
Mean Wind Speed (Knots) at 0800 PST during the Previous week (from 14th to 20th July, 2014)



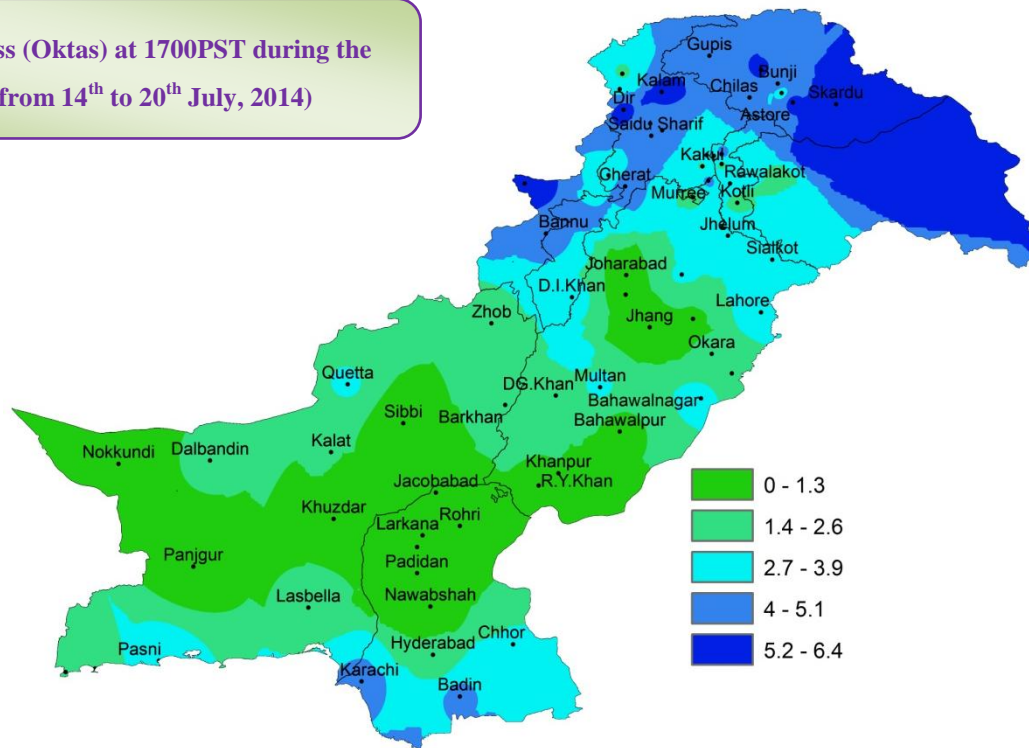
Mean Wind Speed (Knots) at 1700 PST during the Previous week (from 14th to 20th July, 2014)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 14th to 20th July, 2014)



Mean Cloudiness (Oktas) at 1700PST during the Previous week (from 14th to 20th July, 2014)



Weekly Weather Advisory for Farmers
(From 21th to 27th July, 2014)

Seasonal low lies over north Balochistan and its adjoining areas. Weak monsoon currents from Arabian Sea are penetrating into upper/central parts of the country. A westerly wave is affecting upper parts of the country. Monsoon activity would remain subdued during next 02 to 03 days.

SUNDAY

20-07-2014

Mainly hot and humid weather is expected in most parts of the country. However, rain-thundershower is expected at scattered places in Kashmir, while, at isolated places in Gujranwala, Rawalpindi, Lahore, D.G. Khan, Multan, Sahiwal, Malakand, Hazara, Peshawar, D.I. Khan and Mirpur Khas divisions today (evening/night)

MONDAY

21-07-2014

Mainly hot and humid weather is expected in most parts of the country. However rain-thundershower is expected at isolated places in upper KP (Malakand & Hazara divisions) , Northeast Punjab (Rawalpindi, Gujranwala, Lahore divisions), Southeast Sindh and Kashmir.

TUESDAY

22-07-2014

Mainly hot and humid weather is expected in most parts of the country. However, rain-thundershower is expected at isolated places in Hazara, Gujranwala, Rawalpindi, Lahore divisions, Kashmir and Southeast Sindh.

WEDNESDAY

23-07-2014

Rain-thundershower is expected at scattered places in Kashmir, Gujranwala, Lahore, Rawalpindi, Hazara divisions, while at isolated places in Southeast Sindh (Mirpurkhas, Hyderabad divisions). Hot and humid weather is expected elsewhere in the country.

THURSDAY

24-07-2014

Rain-thundershower is expected at scattered places in Kashmir, Islamabad, upper Punjab (Rawalpindi,

Gujranwala, Lahore, Sargodha divisions), Hazara, Peshawar, Kohat divisions, while at isolated places in Lower Sindh (Mirpurkhas, Karachi, Hyderabad divisions), Kalat and Makran divisions.

FRIDAY

25-07-2014

Rain-thundershower is expected at isolated places in Lower Sindh (Mirpurkhas, Karachi, Hyderabad divisions), Kalat and Makran divisions, upper Punjab (Rawalpindi, Gujranwala, Lahore, Sargodha divisions), Malakand, Hazara, Kohat divisions Kashmir and Gilgit-Baltistan. Hot and humid weather is expected elsewhere in the country.

SATURDAY

26-07-2014

Mainly hot and humid weather is expected in most parts of the country. However rain-thundershower is expected at isolated places in upper KP (Malakand, Hazara, Peshawar, Kohat divisions) , Northeast Punjab (Rawalpindi, Gujranwala, Sargodha

Advises for Crops

❖ Farmers are advised to irrigate standing crops both in irrigated and rainfed areas keeping the expected rains during the week. Waterlogging of standing crops like maize and sugarcane may increase if heavy rains/gusty winds occur after irrigation.

❖ Due to the expected monsoon rains farmers should perform necessary measures against weeds growth in standing crops like maize, sugarcane and cotton etc.

❖ Farmers should take in time precautionary measures to protect standing crops as well as livestock due to expected heavy rains/flash flooding in the present monsoon season from July to September especially in upper half of the country.

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.

National Weather Data of Selected Cities**(Weekly Data From 14th to 20th July, 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	24.1	30.5	100.7	54	2.0	5.1	5.7	2.0	2.0
Badin	38.4	39.0	164.8	62	0.0	5.1	4.1	4.3	6.3
Bahawalnagar	40.5	44.0	208.2	54	0.2	3.1	3.1	1.7	1.7
Bahawalpur	39.6	42.5	206.4	56	8.1	1.6	0.7	7.1	4.0
Balakot	32.5	35.0	151.9	66	81.0	5.3	3.1	1.6	1.9
Bannu	38.4	43.4	191.2	66	37.0	4.1	4.4	1.1	4.6
Barkhan	37.1	40.5	173.5	50	32.0	0.6	2.4	0.0	2.3
Bunji	32.2	39.4	151.5	54	15.0	5.0	4.4	2.3	3.7
Cherat	31.5	35.0	191.2	63	12.0	3.0	4.4	4.0	4.3
Chhor	39.3	41.0	198.8	64	0.1	3.6	2.7	3.7	6.9
Chilas	35.7	42.2	171.5	36	0.3	4.9	4.1	2.6	2.3
Chitral	35.4	37.7	153.6	46	0.0	0.7	2.3	0.0	16.0
DG.Khan	41.6	44.0	211.7	57	0.1	2.3	2.4	2.3	3.4
D.I.Khan	38.4	44.0	187.3	65	37.0	3.1	3.3	1.1	1.4
Dalbandin	42.7	45.5	173.5	14	0.0	0.3	1.7	2.3	3.7
Dir	31.2	35.0	141.0	80	41.0	5.3	5.6	0.0	1.7
Drosh	36.2	38.9	158.1	37	5.0	3.4	3.7	0.0	14.0
Faisalabad	38.5	42.5	197.9	59	3.5	1.6	0.7	0.9	1.8
Garidopatta	35.1	36.0	171.5	69	13.0	5.4	2.3	0.0	0.3
Gawader	35.0	35.5	177.4	71	0.0	5.1	1.7	0.0	9.0

Gilgit	31.9	39.0	171.5	61	7.1	4.7	5.4	1.7	2.6
Gupis	28.6	35.5	118.6	45	9.0	2.3	4.4	1.7	3.1
Hyderabad	37.5	39.5	194.8	62	0.0	3.0	1.6	12.0	19.1
Islamabad	34.3	39.3	169.5	66	105.0	4.9	2.3	1.4	1.4
Jacobabad	41.4	43.5	214.5	51	0.0	0.7	0.1	2.0	3.6
Jhang	38.7	42.5	192.7	60	7.1	3.3	0.4	1.1	1.1
Jhelum	35.5	40.0	179.7	68	39.2	5.4	3.4	1.1	2.6
Jiwani	33.3	33.5	177.4	74	0.0	5.6	2.5	2.6	8.3
Joharabad	38.1	41.0	196.3	76	3.3	2.9	1.0	2.3	2.0
Kakul	30.5	33.0	136.8	74	74.0	5.1	2.4	0.3	1.1
Kalam	26.4	29.0	136.8	69	13.0	2.9	5.6	0.0	1.1
Kalat	33.4	34.0	177.4	29	0.0	0.0	1.3	0.0	0.3
Karachi	34.8	36.2	187.7	70	0.1	5.3	4.3	6.6	11.1
Khanpur	40.7	42.0	208.1	58	0.0	2.3	1.3	2.0	1.7
Khuzdar	39.1	42.0	193.3	13	0.0	0.0	0.8	0.0	6.3
Kotli	32.9	35.0	118.6	74	39.0	5.9	2.3	2.3	0.0
Lahore	35.3	38.8	178.4	69	16.2	2.9	3.7	4.0	4.0
Larkana	41.5	43.0	187.7	57	0.0	1.9	0.7	4.3	6.3
Lasbella	39.5	41.0	193.8	66	16.0	5.3	1.7	0.0	7.7
Lower Dir	37.7	39.5	179.1	58	7.1	4.3	4.4	0.0	1.1
Malam Jabba	23.1	25.0	136.8	77	41.0	4.3	4.4	0.0	0.0
M.B Din	35.1	39.5	178.8	72	15.0	5.9	2.7	2.0	1.7
Mangla	34.9	39.5	174.6	70	82.1	6.0	3.3	3.7	2.9
Mir Khani	36.5	37.5	136.8	37	4.0	3.6	3.3	0.0	3.0
Moinjodaro	41.9	43.0	207.9	55	0.0	1.7	1.1	4.6	5.7
Multan	39.1	43.2	202.3	58	62.2	3.6	2.7	7.7	6.6

Murree	23.8	26.5	100.7	76	64.0	5.4	4.1	2.3	0.6
Muzaffarabad	35.0	38.2	161.4	69	47.1	5.4	3.1	0.6	0.7
Nokkundi	41.4	44.0	193.8	10	0.0	0.0	0.0	14.0	7.3
Noorpurthal	41.3	46.0	100.7	57	0.1	3.1	0.7	0.3	1.4
Okara	39.8	43.5	198.5	57	40.1	1.0	1.4	0.9	2.6
Padidan	40.4	41.5	206.3	63	0.0	2.7	0.9	1.1	4.0
Panjgur	40.6	42.0	201.6	29	0.0	0.0	0.0	3.4	7.4
Parachinar	36.4	37.2	151.4	56	21.2	5.6	6.3	4.7	5.0
Pasni	34.3	34.5	201.6	78	0.0	5.4	3.7	0.9	10.0
Peshawar	37.5	41.0	187.2	62	17.0	2.0	3.1	2.0	2.9
Quetta	35.2	37.0	160.0	21	0.0	1.3	1.4	2.0	3.7
R.Y.Khan	42.7	44.2	215.4	55	0.0	1.7	1.0	3.1	2.6
Rawalakot	27.0	29.0	116.2	84	79.1	6.1	3.0	0.9	1.4
Rohri	42.6	44.0	206.3	50	0.0	1.0	0.7	2.3	1.3
Rawalalpindi	35.1	40.5	164.8	65	87.2	3.0	2.4	1.1	0.6
Saidu Sharif	34.1	37.0	164.8	62	31.0	5.0	4.3	0.0	0.3
Sialkot	33.4	38.5	170.9	71	110.0	5.1	3.9	1.1	0.6
Sibbi	44.4	46.0	167.9	38	0.0	0.0	0.0	0.0	0.0
Skardu	28.9	35.3	116.9	47	0.1	3.7	6.4	1.1	1.4
Tandojam	37.9	39.0	193.5	68	0	1.3	0.7	2.5	2.8
Usta.M	41.6	42.0	208.4	54	0.0	1.6	1.7	0.1	0.1
Zhob	37.9	40.5	186.8	39	12.0	1.9	1.9	2.1	9.4

*** Shows that data was not available.