

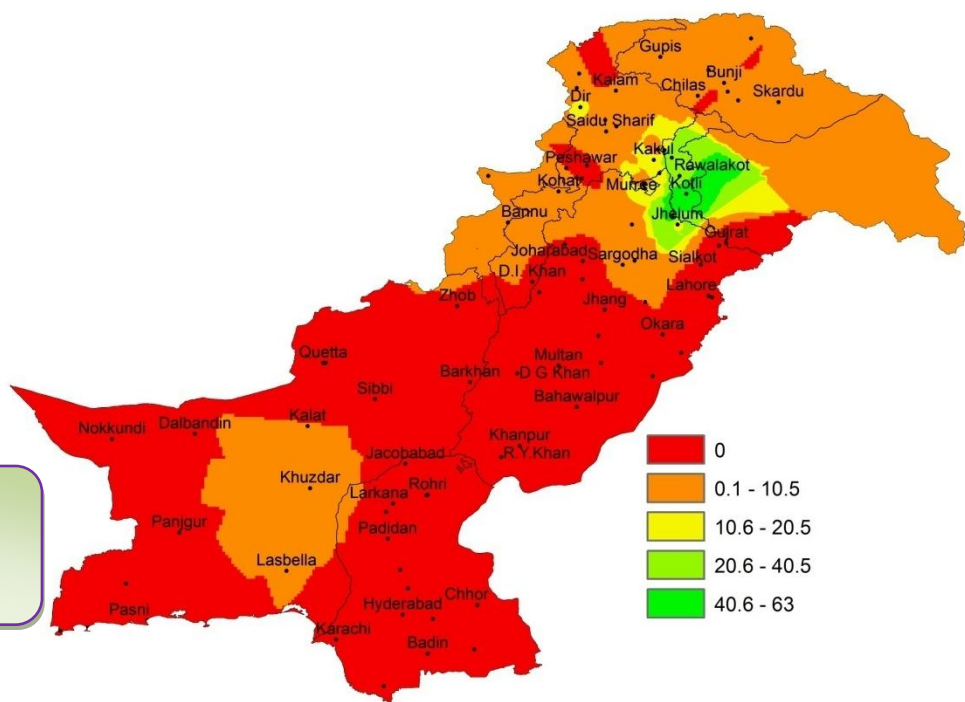
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the
Previous Week (From 7th to 13th July, 2014)**



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Highlights of Past Weather (From 7th to 13th 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 rainfall reported at Single place (Khuzdar =1.0) 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 7th to 13th July,, 2014)

Punjab

Light to moderate rainfall reported at few places in Punjab during the week. Weekly maximum and minimum temperatures recorded 40.6°C & 27.6°C respectively. For the present season average 203.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 53% and wind speed in the morning/evening recorded 3.8/4.6 Knots. During the previous week highest amount of rainfall reported at Mangla 51.0 mm and highest maximum temperature was recorded 46.0°C at Noorpur Thal.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 40.0°C & 27.4°C respectively. For the present season average 205.7 growing degree days accumulated by the end of last week. Average relative humidity recorded 58% and wind speed in the morning/evening recorded 6.1/8.6 Knots. During the previous week highest maximum temperature was recorded 45.6°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 36.9°C & 22.0°C respectively. For the present season average 166.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 48% and wind speed in the morning/evening recorded 0.7/3.5 Knots. The highest amount of rainfall was reported at Kakul 17.0mm and highest maximum temperature recorded 43.5°C at Bannu.

Balochistan

Light rainfall reported at Single place (Khuzdar-1.0) in Balochistan during the week. Weekly maximum and minimum temperatures recorded 38.6°C & 25.5°C respectively. For the present season average 185.8 growing degree days accumulated by the end of last week. Average relative humidity recorded 43% and wind speed in the morning/evening recorded 1.2/5.3 Knots. During the previous week highest maximum temperature recorded 46.0°C at Dalbandin.

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 34.4°C & 18.7°C respectively. For the present season average 153.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 45% and wind speed in the morning/evening recorded 1.0/2.3 Knots. During the previous week highest amount of rainfall reported at Kotli 63.0mm and highest maximum temperature recorded 41.9°C at Chilas.

**Past Weather for Major Agricultural Plains
(From 7th to 13th July., 2014)****Rawalpindi (Potohar region)**

Rainfall reported as 4.1mm during the week; however cloudiness in the morning/evening recorded 0.7/1.3 Oktas while, average relative humidity observed 43%. Mean day time temperature recorded 40.8°C & for the present season 197.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.1/0.1Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.6 Oktas while average relative humidity observed as 50%. Mean day time temperature recorded 40.6°C & for the present season 205.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.8 Knots.

Quetta (Northern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/3.8 Oktas while, average relative humidity observed as 27%. Mean day time temperature recorded 35.8°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 3.3/3.6 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.3/0.6 Oktas while, average relative humidity observed as 50%. Mean day time temperature recorded 42.6°C & for the present season 213.3 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 0.6/0.2 Oktas while average relative humidity observed as 58%. Mean day time temperature recorded 38.8°C & for the present season 198.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.0/5.0 Knots.

**Past Weather for Sub-Regional Agricultural
Plains (From 7th to 13th July., 2014)****Rohri**

Dry weather was reported during the week; however while, average relative humidity observed as 52%. Mean day time temperature recorded 42.6°C & for the present season 214.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.4/2.5 Knots.

Multan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.4/0.8 Oktas while, average relative humidity observed as 53%. Mean day time temperature recorded 40.6°C & for the present season 213.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 12.4/10.0Knots.

Lahore

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.2/1.5 Oktas while, average relative humidity observed as 49%. Mean day time temperature recorded 40.7°C & for the present season 206.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.2/6.0 Knots.

Zhob

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.5 Oktas while, average relative humidity observed as 32%. Mean day time temperature recorded 38.7°C & for the present season 192.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/8.5 Knots.

D.I. Khan

Dry weather was reported during the week; however while, average relative humidity observed as 58%. Mean day time temperature recorded 41.5°C & for the present season 204.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.4/0.0 Knots.

Peshawar

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.4/2.0 Oktas while, average relative humidity observed as 50%. Mean day time temperature recorded 41.0°C & for the present season 194.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/2.0 Knots.

Murree

Rainfall reported as 14.0mm during the week; however cloudiness in the morning/evening recorded 0.0/0.3 Oktas while, average relative humidity observed as 53%. Mean day time temperature recorded 26.8°C & for the present season 123.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.2/0.0 Knots.

Kalam

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.8/3.0 Oktas while, average relative humidity observed as 56%. Mean day time temperature recorded 28.1°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 0.0/2.5 Knots.

Gilgit

Rainfall reported as 1.0mm during the week; however cloudiness in the morning/evening recorded 3.8/6.3 Oktas while, average relative humidity observed as 50%. Mean day time temperature recorded 34.5°C & for the present season 147.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 3.6/3.0 Knots.

Skardu

Rainfall reported as 4.0mm during the week; however cloudiness in the morning/evening recorded 2.8/4.5 Oktas while, average relative humidity observed as 37%. Mean day time temperature recorded 32.9°C & for the present season 126.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/3.8 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.

Cotton : Good condition at *Flowering* stage.

Northern Balochistan (Quetta)

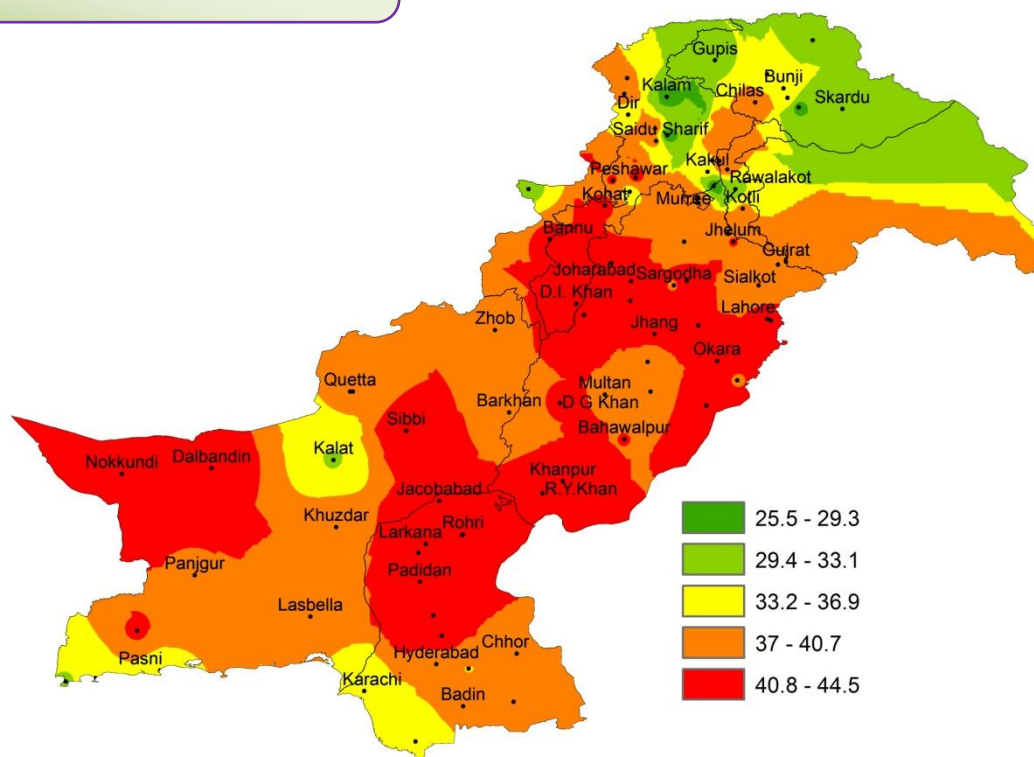
There is presently no crop in the fields of RAMC Quetta.

Eastern Balochistan (Usta Muhammad)

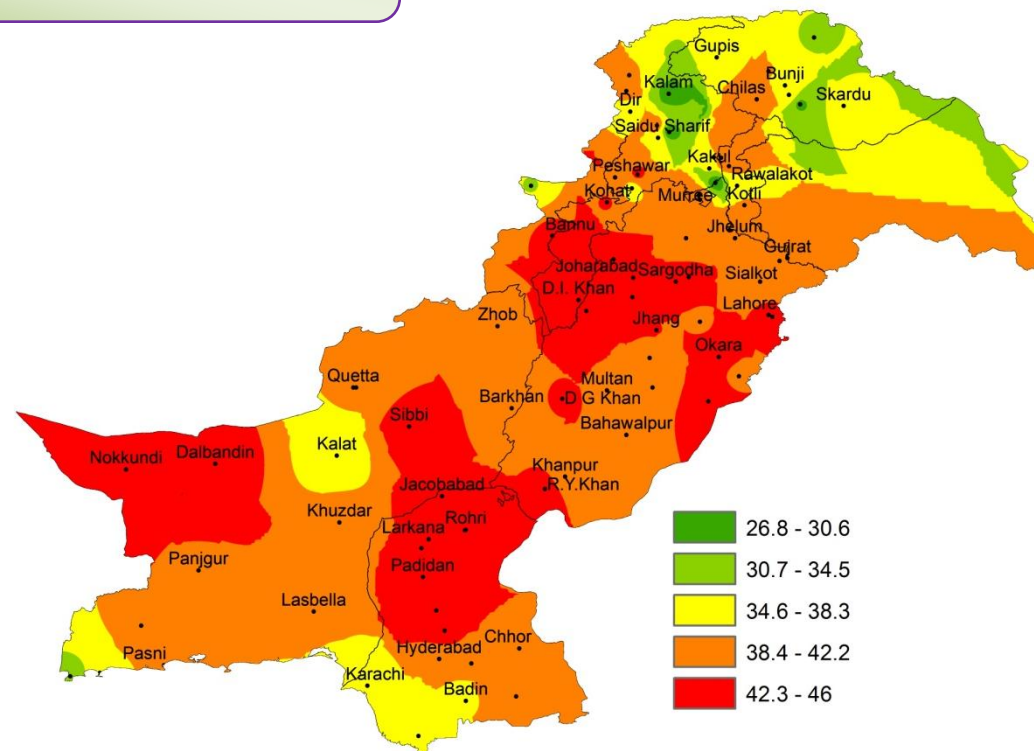
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Rice: Good condition at *Third leaf* stage completed.

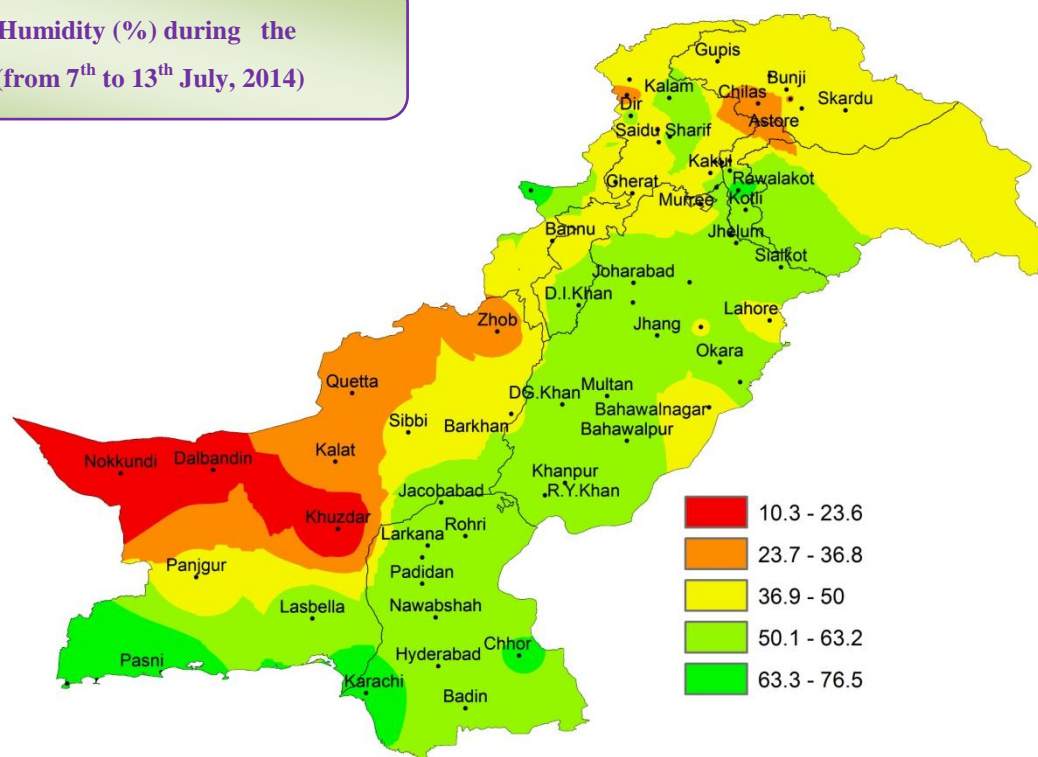
Mean Maximum Temperature (°C) during the
Previous week (from 7th to 13th July, 2014)



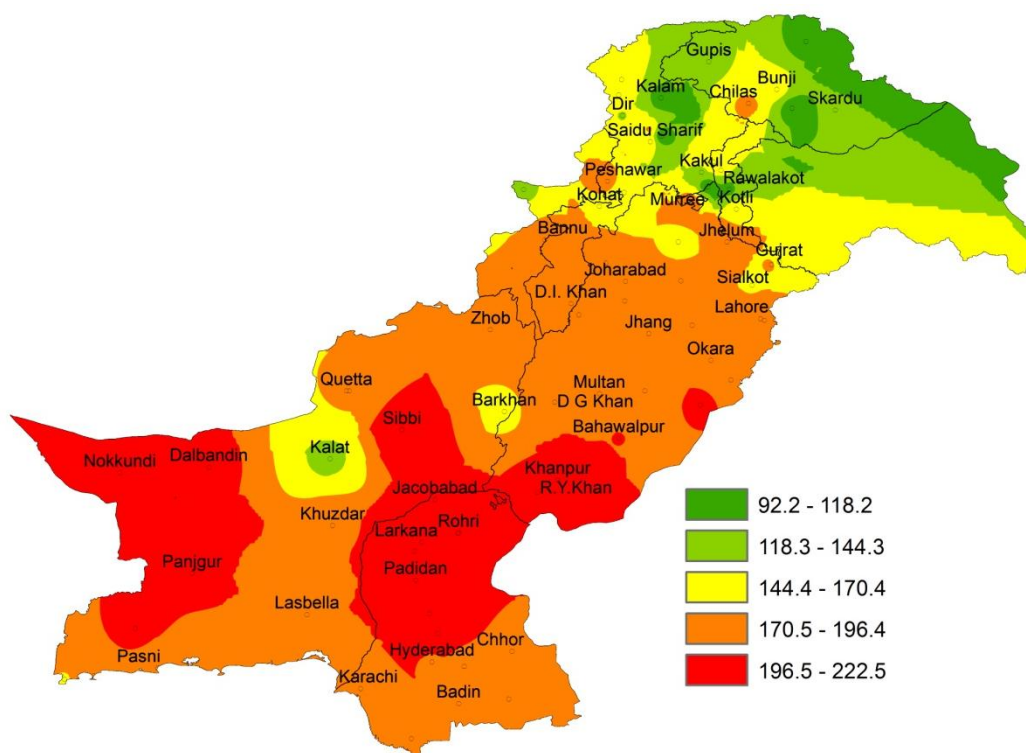
Highest Maximum Temperature (°C) during the
Previous week (from 7th to 13th July, 2014)



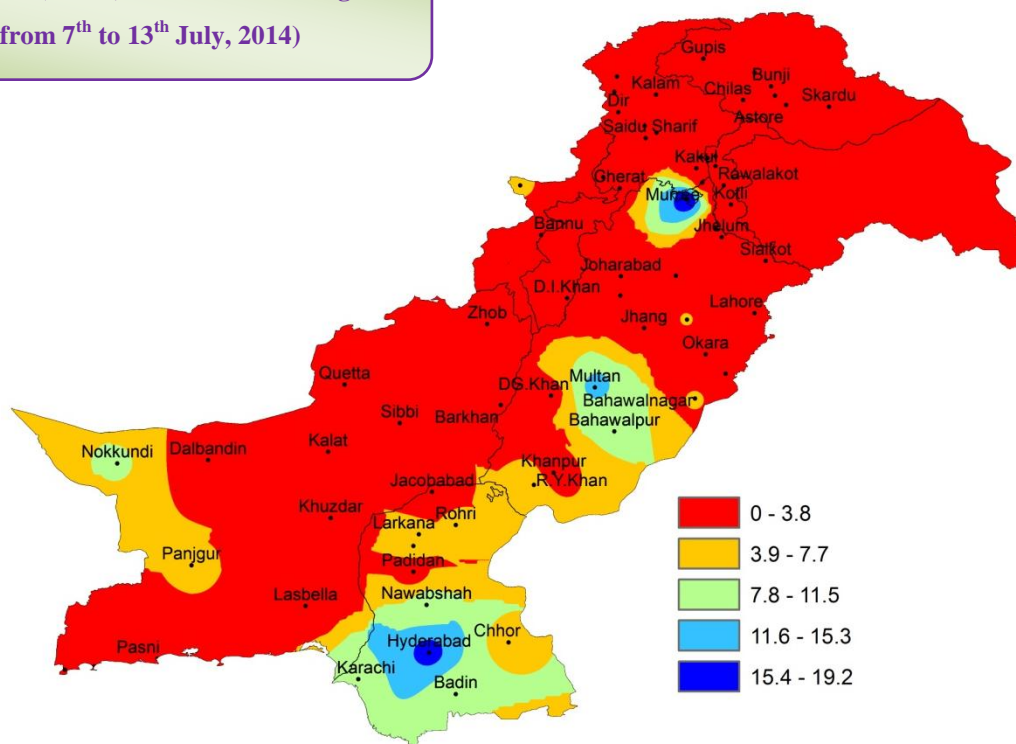
Mean Relative Humidity (%) during the
Previous week (from 7th to 13th July, 2014)



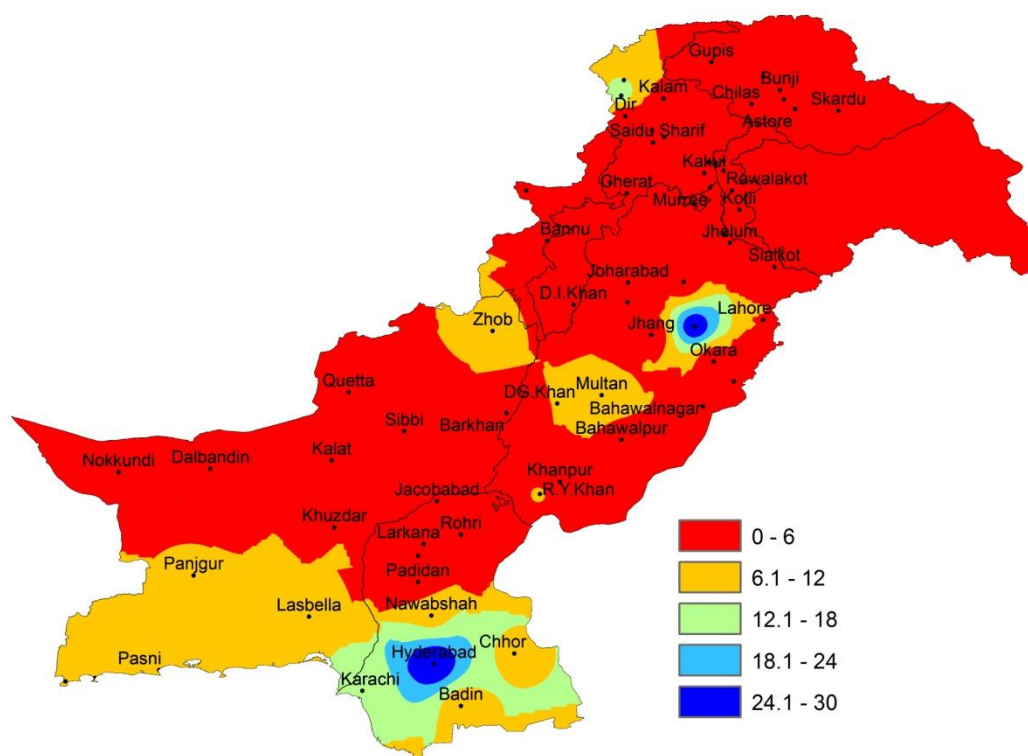
Total Growing Degree Days accumulated during the
Previous week (from 7th to 13th July, 2014)



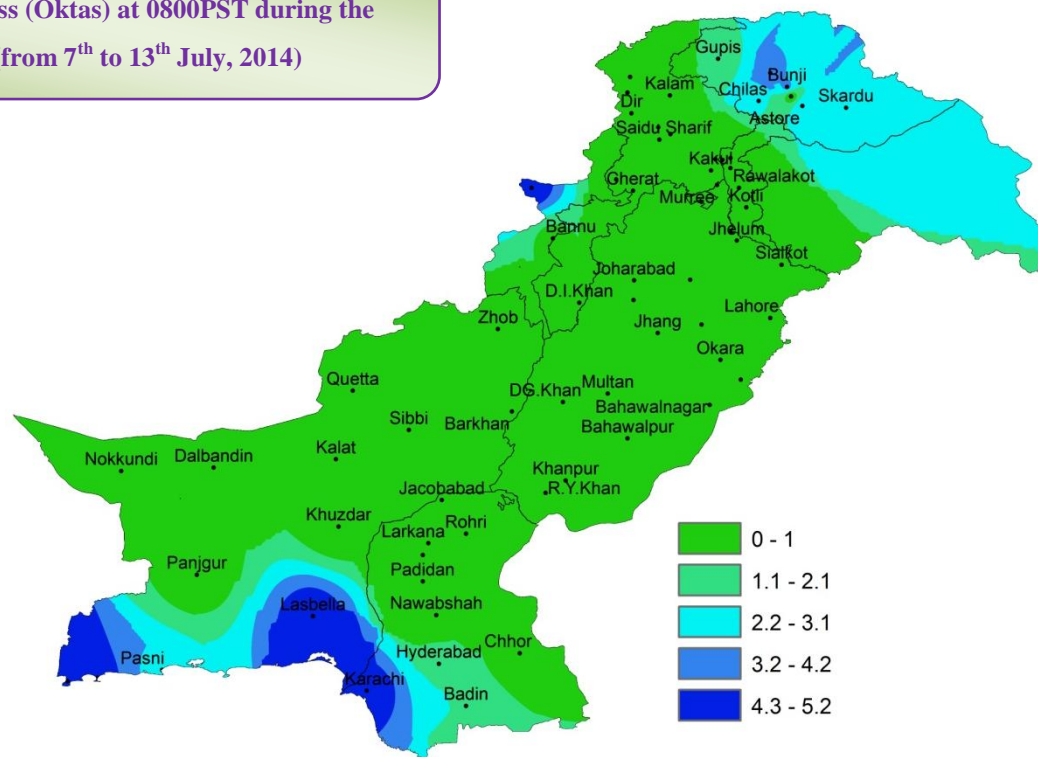
Mean Wind Speed (Knots) at 0800 PST during the
Previous week (from 7th to 13th July, 2014)



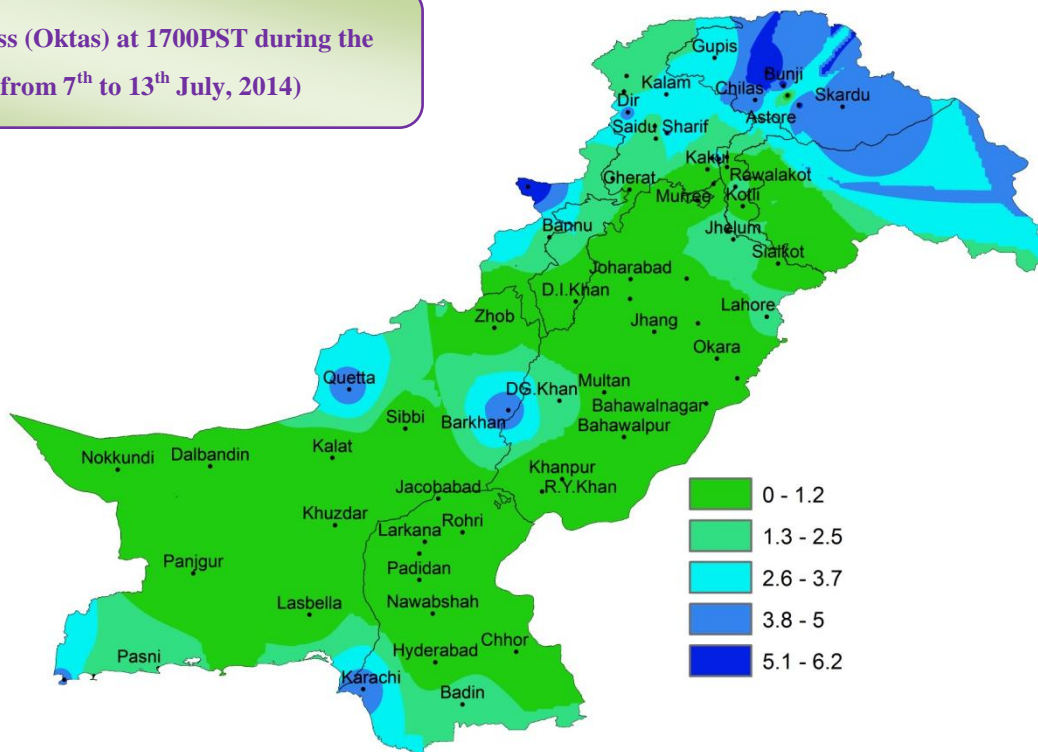
Mean Wind Speed (Knots) at 1700 PST during the
Previous week (from 7th to 13th July, 2014)



Mean Cloudiness (Oktas) at 0800PST during the
Previous week (from 7th to 13th July, 2014)



Mean Cloudiness (Oktas) at 1700PST during the
Previous week (from 7th to 13th July, 2014)



Weekly Weather Advisory for Farmers **(From 14th to 20th July, 2014)**

Well Marked Seasonal Low lies over North Balochistan & its trough is extending Northeastwards. Yesterday's Monsoon low over northwest Bay of Bengal and adjoining areas of Odisha and Gangetic West Bengal now lies over coastal Odisha and likely to move northwestward during next couple of days and likely to merge with monsoon trough. Moderate monsoon currents from Arabian Sea and Bay of Bengal will continue penetrating upper Punjab and Kashmir till Tuesday and are likely to become stronger from Wednesday (night) to Friday. A westerly wave is likely to approach on Thursday over upper parts of the country.

MONDAY 14-07-2014

Mainly very hot and humid weather is expected in most parts of the country. However, rain-thundershower associated with dust raising/gusty winds is expected at scattered places in Kashmir, Islamabad, Northeast Punjab (Rawalpindi, Gujranwala divisions) and Hazara division, while at isolated places in Lahore, Malakand, Peshawar, Kohat Bannu, D.I.Khan, D.G Khan, Multan, Kalat divisions and Southeast Sindh (Mirpurkhas division) during evening/night.

TUESDAY 15-07-2014

Rain-thundershower associated with dust raising/gusty winds is expected at scattered places in Kashmir, Islamabad, upper Punjab (Rawalpindi, Gujranwala, Lahore, Sargodha, Faisalabad divisions) and KP, while at isolated places in South Punjab (D.G Khan, Sahiwal, Multan divisions) and Southeastern Sindh (Mirpurkhas and Hyderabad divisions).

WEDNESDAY 16-07-2014

Rain-thundershower is expected at scattered places in Kashmir, Islamabad, upper Punjab (Rawalpindi, Gujranwala, Lahore, Sargodha, Faisalabad, Sahiwal divisions) and KP, while at isolated places in South Punjab (D.G Khan, Bahawalpur, Multan divisions) and Lower Sindh (Mirpurkhas, Karachi and Hyderabad divisions). Isolated heavy falls is also expected in Kashmir, Hazara, Rawalpindi, Gujranwala and Lahore divisions.

THURSDAY 17-07-2014

Rain-thundershower is expected at scattered places in Kashmir, Islamabad, Punjab and KP, while at isolated places in Lower Sindh (Mirpurkhas, Karachi and Hyderabad divisions). Isolated heavy

falls is also expected in Kashmir, Hazara, Rawalpindi, Gujranwala and Lahore divisions.

FRIDAY 18-07-2014

Rain-thundershower is expected at scattered places in Kashmir, Islamabad, Punjab and KP, while at isolated places in Gilgit-Baltistan. Isolated heavy falls is also expected in Kashmir, Hazara, Rawalpindi, Gujranwala and Lahore divisions.

SATURDAY 19-07-2014

Mainly very hot and humid weather is expected in most parts of the country. However, rain-thundershower is expected at isolated places in Kashmir, Islamabad, northeast Punjab, upper KP and Gilgit-Baltistan.

SUNDAY 20-07-2014

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

Advices for Crops

❖ Farmers are advised to irrigate standing crops both in irrigated and rainfed areas keeping the expected rains during the week. Water logging 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 7th to 13th 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	27.7	29.5	109.8	41	0.1	3.2	5.3	1.2	3.0
Badin	37.9	38.0	193.5	56	0.0	2.0	2.3	8.0	8.0
Bahawalnagar	43.2	44.5	222.0	46	0.0	0.0	0.3	4.0	4.0
Bahawalpur	40.8	41.4	207.7	51	0.0	0.4	0.0	8.0	4.0
Balakot	36.4	37.5	172.0	44	1.1	0.4	2.3	0.0	2.0
Bannu	42.0	43.5	207.4	41	0.5	0.6	2.3	0.4	5.5
Barkhan	38.4	39.5	190.8	48	0.0	0.0	4.3	0.0	3.0
Bunji	34.7	36.7	164.6	38	0.0	3.6	5.5	0.8	3.0
Cherat	34.4	36.0	165.5	43	0.0	0.0	1.0	2.0	2.0
Chhor	39.5	40.3	197.8	64	0.0	0.0	0.8	6.4	10.5
Chilas	39.1	41.9	185.4	26	0.0	2.2	4.0	2.8	4.0
Chitral	37.3	39.0	157.0	46	0.0	0.0	1.5	0.0	12.0
DG.Khan	41.1	42.6	212.5	62	0.0	0.0	1.8	2.8	6.0
D.I.Khan	41.5	43.0	204.6	58	0.0	0.0	0.0	0.4	0.0
Dalbandin	44.5	46.0	207.4	22	0.0	0.0	0.0	0.8	3.0
Dir	35.1	36.5	143.3	54	14.0	0.0	4.0	0.0	1.5
Drosh	38.6	39.4	164.6	26	0.0	0.0	2.3	0.0	14.3
Faisalabad	40.6	42.2	205.9	50	0.0	0.0	0.6	1.1	1.8
Garidopatta	38.3	40.5	176.8	57	39.0	0.0	0.0	0.0	0.0
Gawader	34.2	35.0	173.5	72	0.0	4.4	2.0	0.0	10.0
Gilgit	34.5	38.5	147.0	50	1.0	3.8	6.3	3.6	3.0
Gupis	31.4	35.5	128.8	41	3.0	1.2	2.5	0.8	2.0

Hyderabad	37.7	38.5	195.8	61	0.0	1.8	0.0	16.4	30.0
Islamabad	39.9	41.0	193.6	46	0.2	0.8	0.8	19.2	2.0
Jacobabad	42.0	43.0	211.8	56	0.0	0.0	0.0	2.0	2.0
Jhang	40.9	42.2	204.3	53	0.0	0.0	0.0	2.0	1.0
Jhelum	40.8	42.0	203.6	55	13.0	0.6	1.5	0.0	3.0
Jiwani	32.9	33.5	171.7	76	0.0	5.0	4.0	3.2	9.5
Joharabad	41.1	42.5	210.0	60	0.0	0.0	0.0	0.4	2.0
Kakul	34.3	35.0	154.7	49	17.0	0.0	0.0	0.0	1.0
Kalam	28.1	29.0	108.5	56	0.0	0.8	3.0	0.0	2.5
Kalat	32.9	35.0	141.8	29	0.0	0.0	0.0	0.0	0.0
Karachi	34.5	35.0	183.6	68	0.0	5.2	4.3	10.4	13.0
Khanpur	40.8	41.0	210.0	55	0.0	0.6	0.0	2.0	0.5
Khuzdar	39.1	40.0	194.5	13	1.0	0.0	1.3	0.0	6.0
Kotli	37.5	38.9	182.4	55	63.0	0.6	0.8	2.2	1.0
Lahore	40.7	42.0	206.1	49	0.0	0.2	1.5	1.2	6.0
Larkana	41.9	42.5	212.0	57	0.0	0.0	0.0	4.0	5.0
Lasbella	39.0	39.5	193.3	60	0.0	5.2	0.8	0.4	7.5
Lower Dir	40.5	41.0	191.8	35	1.0	0.0	2.0	1.6	1.0
Malam Jabba	25.3	26.5	***	62	10.0	0.0	4.0	0.0	0.0
M.B Din	41.3	42.5	208.6	57	1.0	0.0	1.0	0.4	1.5
Mangla	40.7	41.5	199.0	52	51.0	1.0	2.0	0.8	2.5
Mir Khani	36.6	37.6	179.0	36	0.0	0.0	0.0	0.0	3.3
Moinjodaro	42.2	42.5	207.1	54	0.0	0.0	0.0	5.2	5.0
Multan	40.6	41.5	213.2	53	0.0	0.4	0.8	12.4	10.0
Murree	26.8	27.2	123.8	53	14.0	0.0	0.3	1.2	0.0
Muzaffarabad	39.7	41.4	185.2	48	21.0	0.0	3.5	0.0	0.0

Nokkundi	43.9	45.5	223.5	10	0.0	0.0	0.0	8.0	6.0
Noorpurthal	44.4	46.0	219.2	52	0.0	0.0	0.0	0.0	0.0
Okara	41.8	43.0	208.2	53	0.0	0.0	0.0	0.0	0.5
Padidan	40.9	42.5	210.3	60	0.0	0.0	0.0	2.0	2.5
Panjgur	40.3	41.5	188.5	40	0.0	0.0	0.5	4.4	6.5
Parachinar	31.7	34.2	129.6	69	0.0	5.2	6.0	4.2	4.5
Pasni	34.6	39.0	177.3	75	0.0	2.6	1.5	1.6	11.5
Peshawar	41.0	42.0	194.6	50	0.0	0.4	2.0	2.0	2.0
Quetta	35.8	37.0	164.8	0	0.0	0.0	3.8	3.3	3.6
R.Y.Khan	42.7	43.2	213.4	54	0.0	0.0	0.0	6.0	6.5
Rawalakot	31.0	36.0	127.9	70	31.1	0.2	1.8	0.0	2.0
Rohri	42.6	43.0	214.0	52	0.0	0.0	0.0	4.4	2.5
Rawalpindi	40.8	42.0	197.8	43	4.1	0.7	1.3	0.1	0.1
Sahiwal	40.6	41.5	203.2	52	0.0	0.0	0.5	3.6	3.5
Saidu Sharif	38.1	38.5	175.9	43	2.0	0.4	1.5	0.0	1.5
Sialkot	39.9	41.0	200.7	52	0.0	0.8	1.0	0.4	2.5
Sibbi	44.1	45.0	229.3	41	0.0	0.0	0.0	0.0	0.0
Skardu	32.9	36.2	126.8	37	4.0	2.8	4.5	0.0	3.8
Tandojam	37.5	38.5	188.8	67	0	1.0	0.3	3.8	3.7
Usta .M	42.6	43.5	213.3	50	0	0.3	0.6	0.1	0.1
Zhob	38.7	40.0	192.8	32	0.0	0.0	0.5	2.0	8.5

*** Shows that data was not available.