

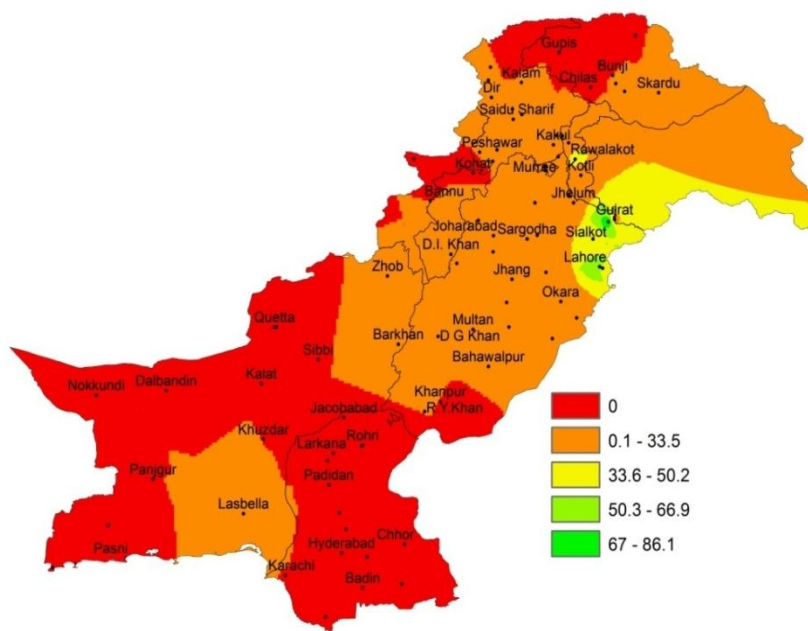
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the
Previous Week (From 23rd to 29 June 2014)**



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Editor: Khalida Noureen (Meteorologist)

Highlights of Past Weather (From 23rd to 29th June, 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 many places in Punjab and Gilgit-Baltistan & Kashmir regions.
- Light to moderate rainfall reported at isolated places in Baluchistan.
- Light to moderate rainfall reported at few places in, Khyber Pakhtunkhwa.
- Dry weather was reported in Sindh.

Past Weather of Provinces (From 23rd to 29th June, 2014)

Punjab

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 38.9°C & 26.0°C respectively. For the present season average 190.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 54% and wind speed in the morning/evening recorded 3.1/3.2 Knots. During the previous week highest amount of rainfall reported at Sialkot 86.1 mm and highest maximum temperature was recorded 45.5°C at Noorpur Thal.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 41.5°C & 28.5°C respectively. For the present season average 210.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 52% and wind speed in the morning/evening recorded 8.0/10.6 Knots. During the previous week highest maximum temperature was recorded 48.6°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 36.3°C & 21.7°C respectively. For the present season average 153.8 growing degree days accumulated by the end of last week. Average relative humidity recorded 45% and wind speed in the morning/evening recorded 1.0/3.1 Knots. The highest amount of rainfall was reported at D.I.Khan 28.0mm and highest maximum temperature recorded 43.5°C at Kohat.

Baluchistan

Light to moderate rainfall reported at isolated places in Baluchistan during the week. Weekly maximum and minimum temperatures recorded 38.7°C & 24.5°C respectively. For the present season average 180.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 42% and wind speed in the morning/evening recorded 1.2/6.3 Knots. During the previous week highest amount of rainfall reported at Labella 22.0mm and highest maximum temperature recorded 47.5°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 34.5°C & 17.8°C respectively. For the present season average 145.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 45% and wind speed in the morning/evening recorded 1.1/3.7 Knots. During the previous week highest amount of rainfall reported at Rawalakot 44.0mm and highest maximum temperature recorded 43.0°C at Chilas.

**Past Weather for Major Agricultural Plains
(From 23rd to 29th June, 2014)****Rawalpindi (Potohar region)**

Rainfall reported as 16.4mm during the week; however cloudiness in the morning/evening recorded 2.9/0.4 Oktas while, average relative humidity observed 52%. Mean day time temperature recorded 38.4°C & for the present season 180.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.2/0.6 Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.0/1.8 Oktas while average relative humidity observed as 46%. Mean day time temperature recorded 39.5°C & for the present season 201.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/1.8 Knots.

Quetta (Northern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/1.1 Oktas while, average relative humidity observed as 21%. Mean day time temperature recorded 35.6°C for the present season 157.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.5/3.3 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.3/1.7 Oktas while, average relative humidity observed as 49%. Mean day time temperature recorded 44.7°C & for the present season 225.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.3 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 23rd to 29th June, 2014)****Rohri**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.3/0.0 Oktas while, average relative humidity observed as 44%. Mean day time temperature recorded 44.5°C & for the present season 222.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.4/0.0 Knots.

Multan

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 1.4/1.6 Oktas while, average relative humidity observed as 49%. Mean day time temperature recorded 40.0°C & for the present season 209.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 6.9/1.6 Knots.

Lahore

Rainfall reported as 41.1mm during the week; however cloudiness in the morning/evening recorded 1.8/3.3 Oktas while, average relative humidity observed as 55%. Mean day time temperature recorded 37.4°C & for the present season 182.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.3/2.9 Knots.

Zhob

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/1.1 Oktas while, average relative humidity observed as 43%. Mean day time temperature recorded 38.3°C & for the present season 183.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.6/9.0 Knots.

D.I. Khan

Rainfall reported as 28.0mm during the week; however cloudiness in the morning/evening recorded 1.2/1.1 Oktas while, average relative humidity observed as 57%. Mean day time temperature recorded 40.8°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 0.0/0.3 Knots.

Peshawar

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.1 Oktas while, average relative humidity observed as 57%. Mean day time temperature recorded 40.4°C & for the present season 207.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/2.0 Knots.

Murree

Rainfall reported as 3.2mm during the week; however cloudiness in the morning/evening recorded 3.4/4.0 Oktas while, average relative humidity observed as 67%. Mean day time temperature recorded 24.7°C & for the present season 99.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/0.6 Knots.

Kalam

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/2.4 Oktas while, average relative humidity observed as 51%. Mean day time temperature recorded 27.3°C & for the present season 110.4 growing degree days accumulated by

the end of last week. Wind speed recorded in the morning/evening as 0.0/0.9 Knots.

Gilgit

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/4.6 Oktas while, average relative humidity observed as 39%. Mean day time temperature recorded 38.6°C & for the present season 153.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 0.0/8.6 Knots.

Skardu

Rainfall reported as 1.1mm during the week; however cloudiness in the morning/evening recorded 0.2/3.7 Oktas while, average relative humidity observed as 29%. Mean day time temperature recorded 31.8°C & for the present season 118.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/3.6 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.

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)

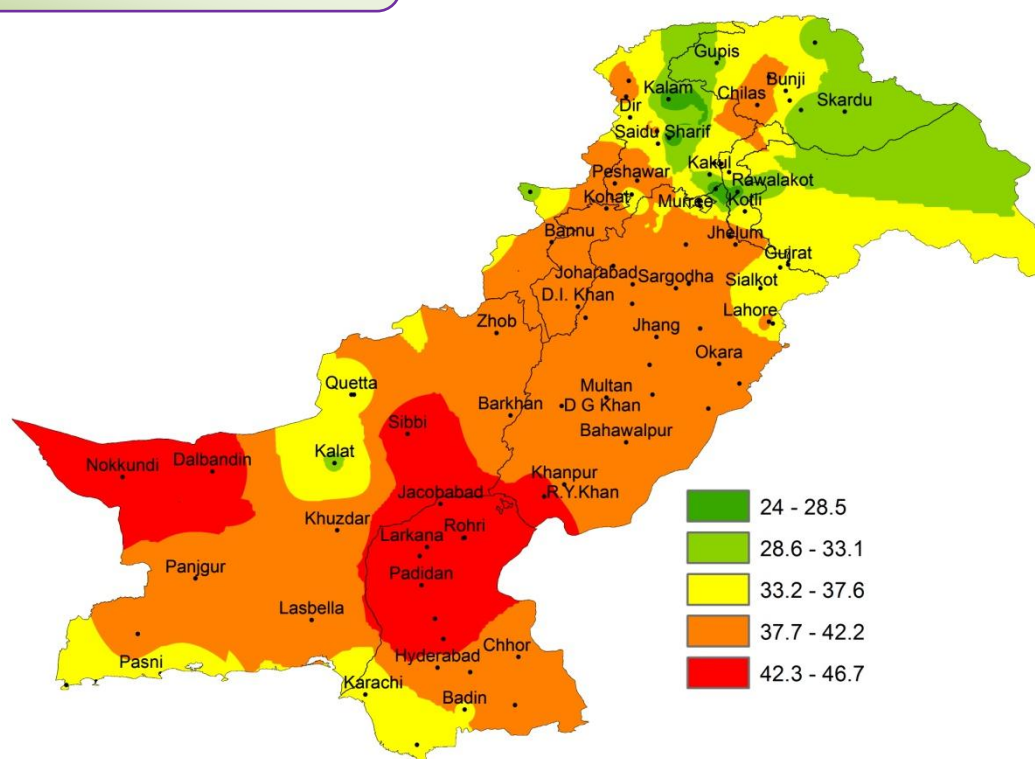
There is presently no crop in the fields of RAMC Quetta.

Eastern Balochistan (Usta Muhammad)

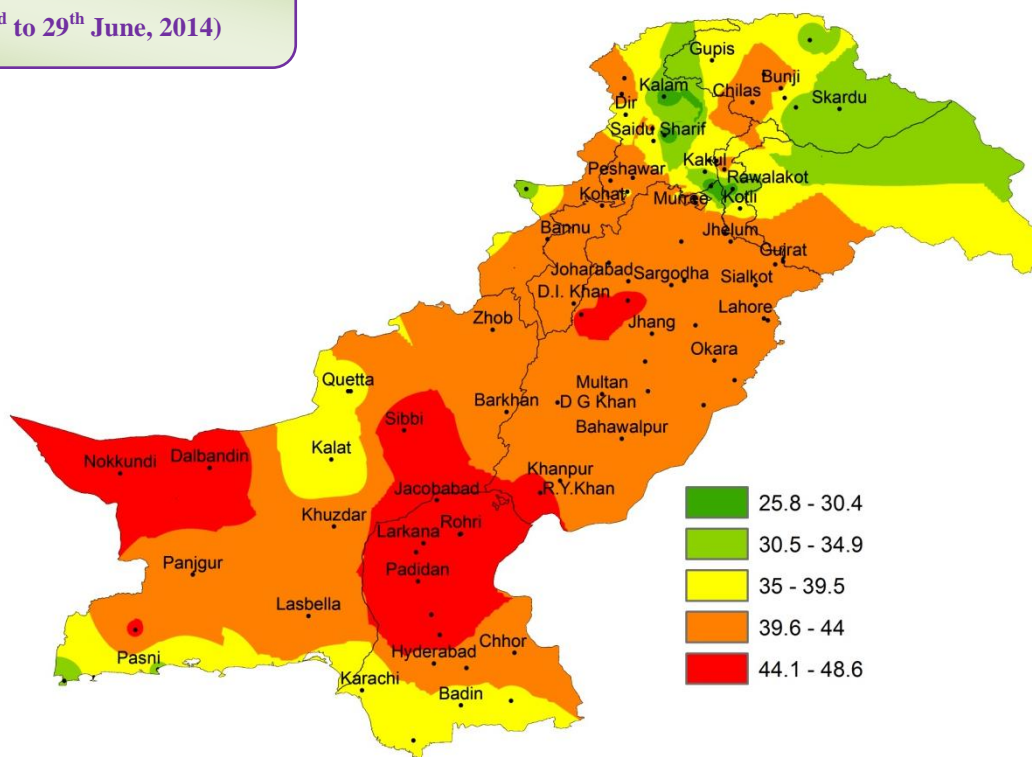
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Rice: Good condition at *Emergence stage* completed.

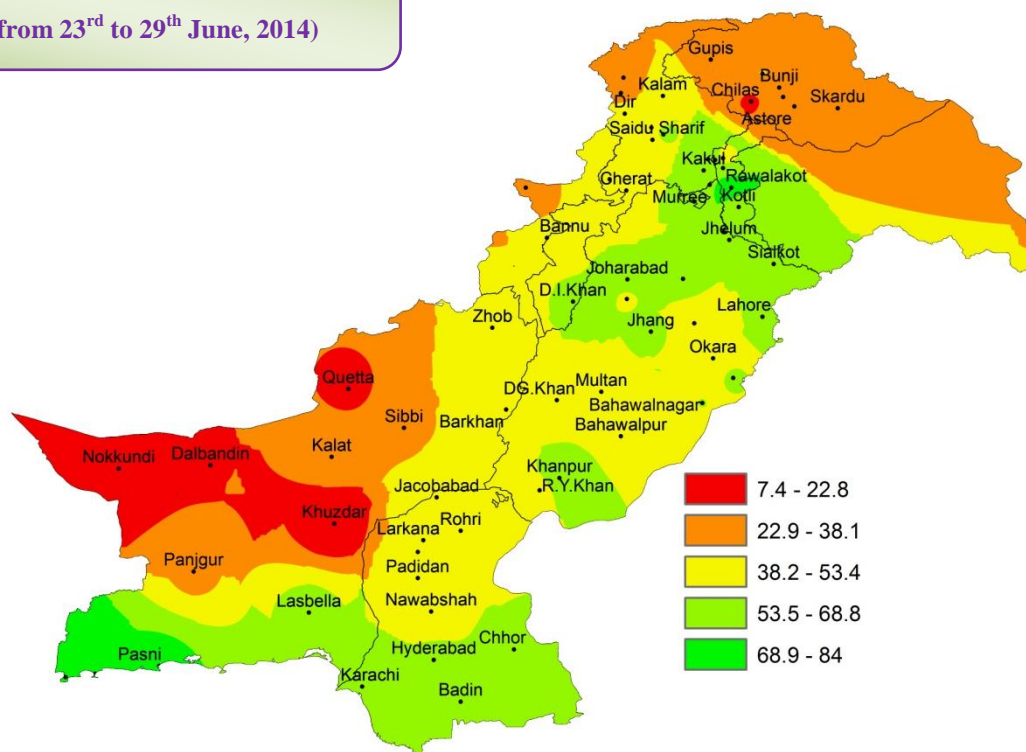
Mean Maximum Temperature (°C) during the
Previous week (from 23rd to 29th June, 2014)



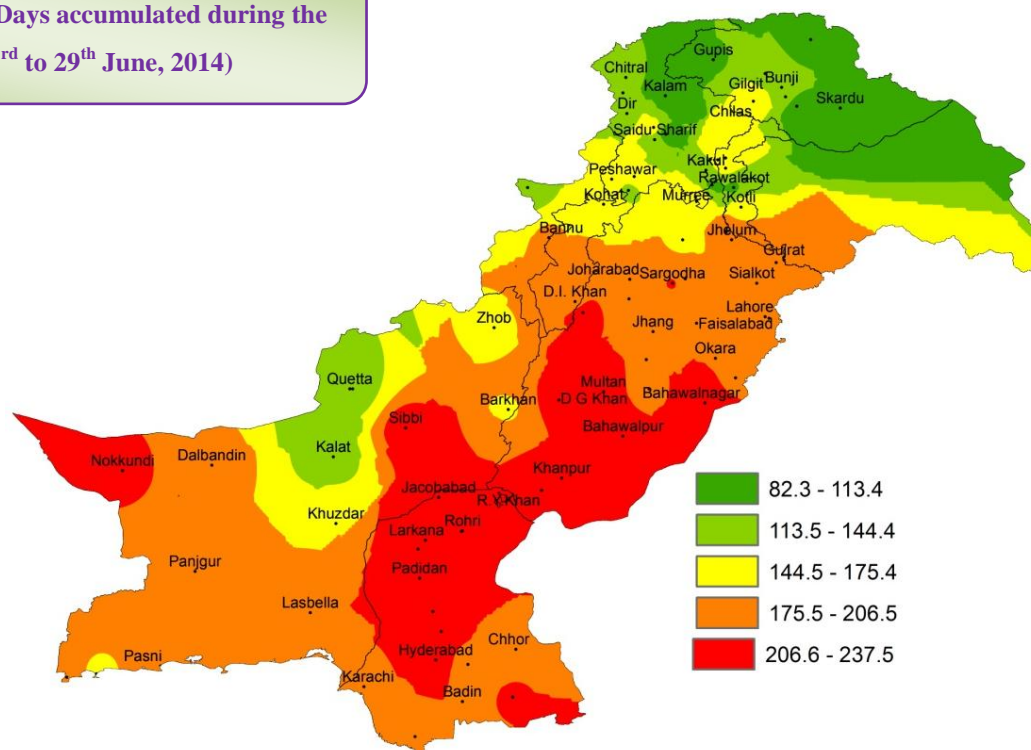
Highest Maximum Temperature (°C) during the
Previous week (from 23rd to 29th June, 2014)



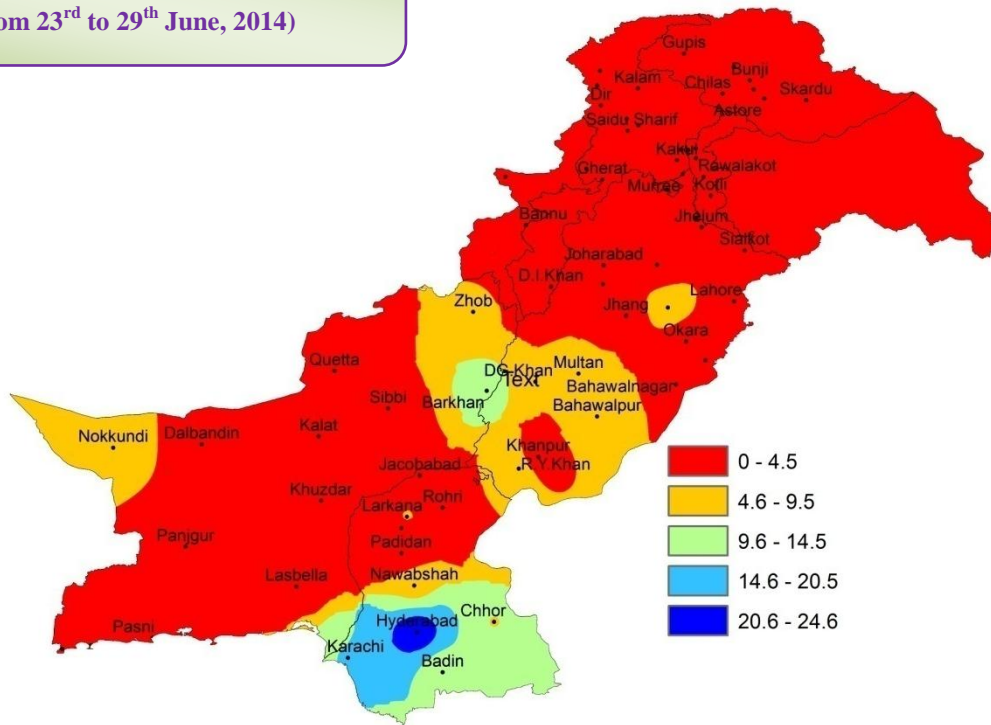
Mean Relative Humidity (%) during the
Previous week (from 23rd to 29th June, 2014)



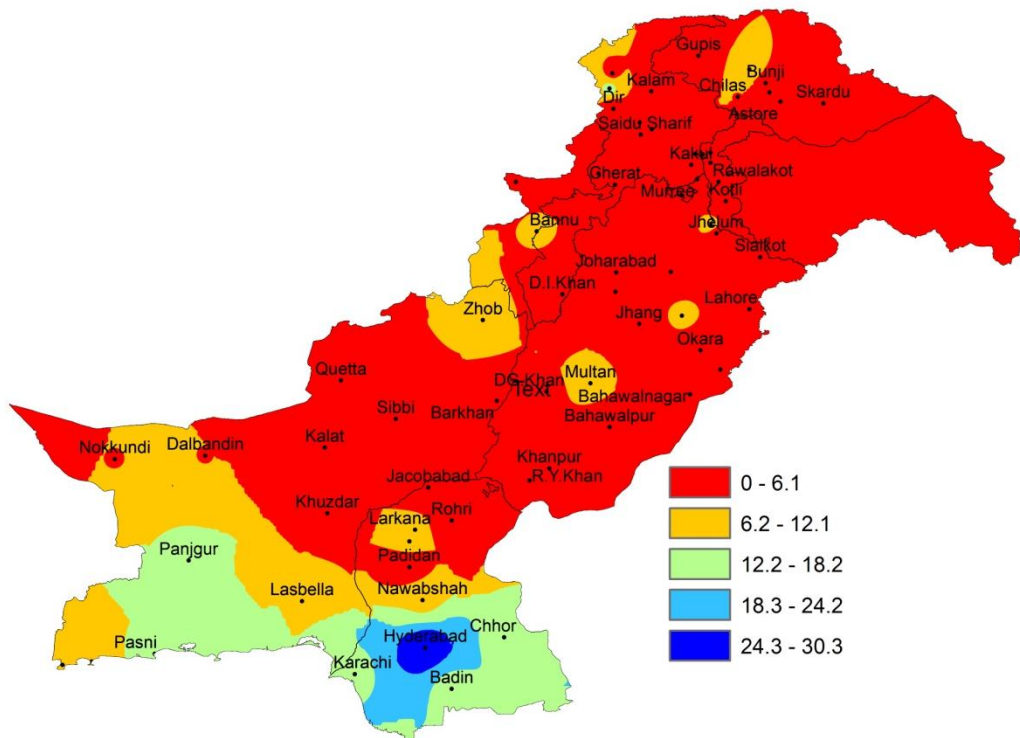
Total Growing Degree Days accumulated during the
Previous week (from 23rd to 29th June, 2014)



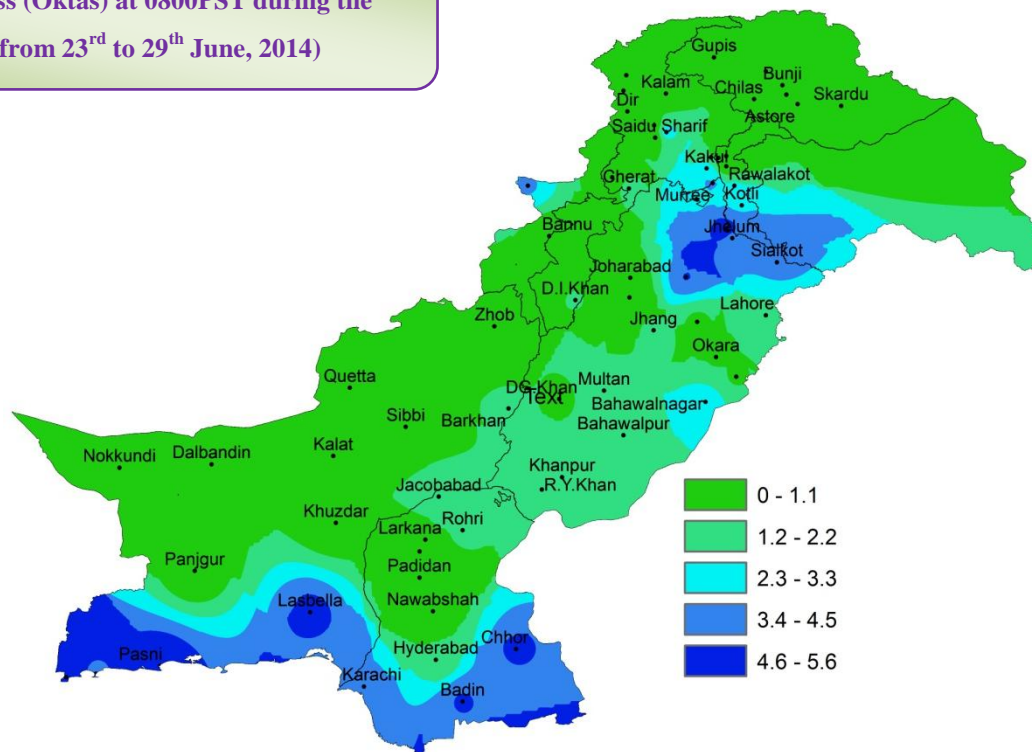
Mean Wind Speed (Knots) at 0800 PST during the
Previous week (from 23rd to 29th June, 2014)



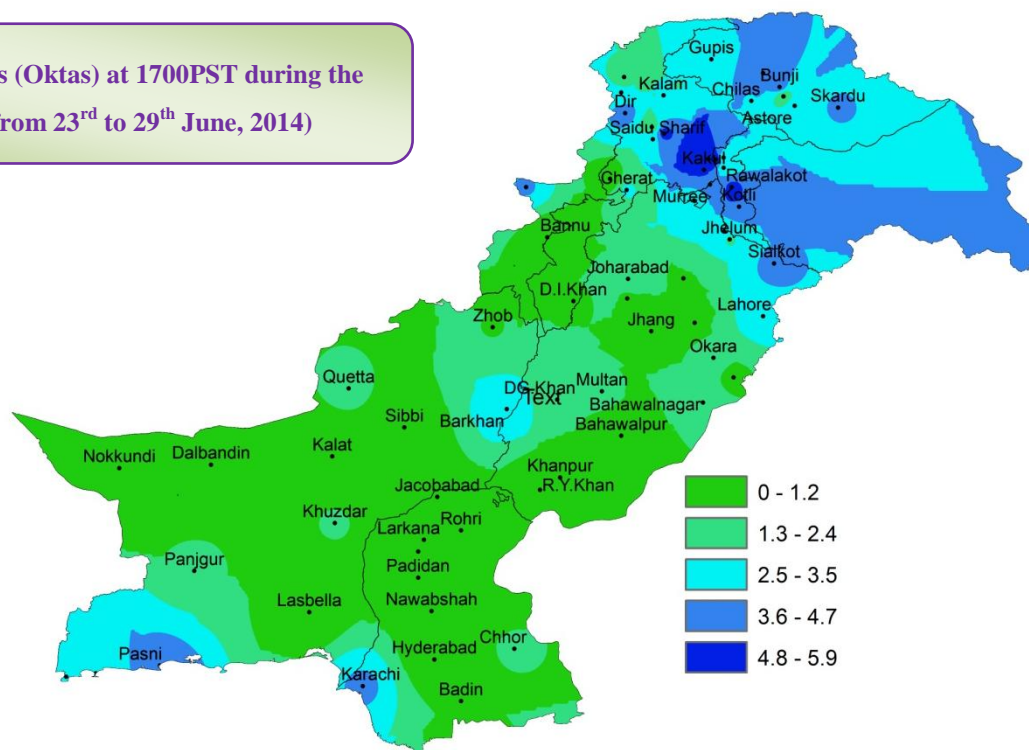
Mean Wind Speed (Knots) at 1700 PST during the
Previous week (from 23rd to 29th June, 2014)



Mean Cloudiness (Oktas) at 0800PST during the
Previous week (from 23rd to 29th June, 2014)



Mean Cloudiness (Oktas) at 1700PST during the
Previous week (from 23rd to 29th June, 2014)



Weekly Weather Advisory for Farmers**(From 30th June to 5th July, 2014)**

Seasonal low lies over Balochistan and adjoining areas. A shallow westerly wave is still present over Kashmir and adjoining areas. Weak Moist currents from Arabian Sea are penetrating into northeastern parts of Punjab and Kashmir. A Monsoon trough is likely to establish over upper parts of the country during first three days of July. Strong monsoon currents are likely to penetrate in Upper parts of the country from Monday (evening/night).

MONDAY 30-06-2014

Mainly hot and humid weather is expected in most parts of the country. However, rain-thundershower is expected at isolated places in upper Punjab (Rawalpindi, Gujranwala Lahore, Sargodha divisions), KP (Hazara, Kohat, Bannu and D.I. Khan divisions), Islamabad and Kashmir during evening/night.

TUESDAY 01-07-2014

Rain-thundershower (associated with gusty winds) is expected at scattered places of Islamabad, Northeast Punjab (Rawalpindi, Gujranwala and Lahore divisions), Hazara division and Kashmir during evening/night

WEDNESDAY 02-07-2014

Rain-thundershower is expected at scattered places of Islamabad, Punjab, KP and Kashmir. Isolated heavy falls is also expected in Kashmir, Islamabad/Rawalpindi, Gujranwala and Hazara divisions during the period.

THURSDAY 03-07-2014

Rain-thundershower is expected at scattered places of Islamabad, Punjab, KP and Kashmir. Isolated heavy falls is also expected in Kashmir, Islamabad/Rawalpindi, Gujranwala and Hazara divisions during the period.

FRIDAY 04-07-2014

Rain-thundershower is expected at scattered places of Islamabad, upper & central Punjab, upper KP and Kashmir.

SATURDAY 05-07-2014

Mainly hot and humid weather is expected in most parts of the country. However rain-thundershower is expected at isolated places of northeast Punjab, upper/South KP, and Kashmir during evening/night.

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 23rd to 29th June, 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	28.2	31.0	108.2	34	0.1	0.0	3.6	1.3	2.9
Badin	37.5	38.0	193.0	61	0.0	4.6	1.1	10.3	15.4
Bahawalnagar	40.2	42.4	199.9	53	26.0	3.0	1.9	2.3	0.6
Bahawalpur	40.9	42.2	211.1	51	0.0	1.6	0.0	6.6	1.7
Balakot	35.3	37.5	158.2	54	3.1	1.0	5.7	0.3	2.7
Bannu	40.0	42.0	198.2	39	0.0	0.0	0.0	1.3	6.9
Barkhan	38.1	40.0	177.3	44	13.0	1.3	3.3	12.9	2.3
Bunji	37.0	40.0	187.9	29	0.0	0.0	4.7	1.3	5.1
Cherat	34.6	39.0	160.3	48	0.0	1.5	2.6	2.7	2.9
Chhor	39.9	41.2	209.9	61	0.0	4.6	1.3	9.4	16.0
Chilas	40.2	43.0	197.1	21	0.0	0.0	3.4	2.6	6.0
Chitral	37.8	40.0	161.4	33	0.0	0.0	2.0	1.7	4.3
DG.Khan	42.1	43.0	215.9	48	0.1	1.0	1.6	4.7	5.1
D.I.Khan	40.8	42.5	202.2	57	28.0	1.2	1.1	0.0	0.3
Dalbandin	43.9	47.0	208.8	22	0.0	0.0	0.3	2.6	6.0
Dir	35.3	38.0	154.8	54	7.0	0.3	4.3	0.0	0.3
Drosh	38.2	40.5	164.3	27	0.0	0.0	2.4	0.0	14.6
Faisalabad	39.5	41.3	201.1	46	0.0	2.0	1.8	2.0	1.8
Garidopatta	37.3	40.0	163.8	60	21.0	0.0	2.9	0.0	3.4
Gawader	34.4	35.0	174.8	73	0.0	4.3	2.9	0.6	11.9
Gilgit	38.6	41.5	153.3	39	0.0	0.0	4.6	0.0	8.6
Gupis	32.6	35.0	135.0	31	0.0	0.0	2.7	3.7	2.6

Islamabad	36.9	40.0	175.6	55	3.1	3.1	2.9	0.3	1.7
Jacobabad	44.2	45.5	217.8	47	0.0	1.7	0.4	2.0	2.3
Jhang	39.3	41.8	192.0	55	25.0	1.3	0.6	2.0	1.7
Jhelum	39.3	42.8	191.9	53	18.1	4.0	2.1	2.0	4.3
Jiwani	33.1	34.0	175.5	76	0.0	5.3	3.1	4.3	9.7
Joharabad	39.6	42.5	197.3	56	8.0	0.3	1.4	2.0	2.9
Kakul	32.3	34.0	144.5	57	3.0	3.2	4.9	1.0	1.7
Kalam	27.3	29.5	110.4	51	0.0	0.0	2.4	0.0	0.9
Kalat	32.9	35.0	137.5	32	0.0	0.0	0.0	0.0	0.0
Karachi	35.2	36.0	190.4	67	0.0	4.1	3.9	14.6	16.9
Khanpur	41.1	42.7	206.9	58	0.0	2.1	0.7	2.6	1.7
Khuzdar	40.4	41.5	190.5	7	0.0	0.0	1.3	0.0	1.4
Kotli	35.9	38.3	171.0	55	19.0	3.2	4.7	2.5	2.9
Lahore	37.4	41.0	182.2	55	41.1	1.8	3.3	2.3	2.9
Larkana	44.9	47.0	227.3	47	0.0	0.9	0.0	4.6	7.1
Lasbella	39.3	40.5	192.8	62	22.0	4.7	0.0	0.6	11.7
Lower Dir	38.8	40.5	181.3	47	14.0	0.3	1.1	2.7	3.4
Malam Jabba	23.7	25.5	100.7	58	6.0	3.0	5.6	0.0	0.0
M.B Din	39.0	43.0	187.8	56	17.1	4.5	1.1	1.7	2.0
Mangla	38.0	42.5	178.0	56	33.0	5.0	3.3	4.0	7.4
Mir Khani	36.5	37.4	186.4	32	0.0	0.0	0.9	0.0	2.4
Moinjodaro	45.3	47.0	221.2	42	0.0	0.4	0.0	4.3	7.4
Multan	40.0	41.3	209.7	49	0.1	1.4	1.6	6.9	8.3
Murree	24.7	26.2	99.0	67	3.2	3.4	4.0	1.1	0.6
Muzaffarabad	37.9	39.8	168.4	71	15.2	1.3	6.0	0.3	3.7
Nokkundi	43.8	46.0	213.8	10	0.0	0.0	0.0	7.1	6.0

Noorpurthal	42.2	45.5	205.8	53	3.0	0.0	1.1	1.3	1.4
Okara	39.7	42.5	196.9	51	1.0	1.0	1.7	1.1	2.0
Padidan	43.7	45.0	219.9	53	0.0	0.3	0.0	0.6	3.1
Panjgur	40.9	42.0	210.0	33	0.0	0.0	1.4	0.9	14.3
Parachinar	32.6	34.2	135.1	33	0.0	3.5	3.7	3.7	3.9
Pasni	33.9	34.5	178.8	76	0.0	5.6	4.1	3.1	12.9
Peshawar	40.4	43.0	207.5	47	0.0	0.0	0.1	1.4	2.0
Quetta	35.6	37.5	157.7	21	0.0	0.0	1.1	1.5	3.3
R.Y.Khan	43.6	45.2	219.4	51	0.0	1.3	0.3	6.3	2.9
Rawalakot	27.3	29.3	109.7	84	44.0	2.3	5.0	0.0	1.1
Rohri	44.5	45.5	222.0	44	0.0	1.3	0.0	3.4	2.6
Rawalpindi	38.4	41.5	180.2	52	16.4	2.9	0.4	0.2	0.6
Sahiwal	39.2	42.0	191.3	54	0.2	1.0	0.9	2.7	2.9
Saidu Sharif	37.2	39.5	177.0	45	0.0	0.3	3.1	0.0	0.3
Sialkot	36.9	41.3	184.5	54	86.1	3.7	3.9	0.0	2.6
Sibbi	45.8	47.5	230.3	35	0.0	0.0	0.0	0.0	0.0
Skardu	31.8	34.6	118.8	29	1.1	0.2	3.7	0.0	3.6
Tandojam	38.8	40.5	198.8	58	0.0	0.6	0.0	4.0	5.0
Usta. M	44.7	45.3	225.9	49	0.0	1.3	1.7	0.3	0.3
Zhob	38.3	40.5	183.5	43	0.0	0.0	1.1	5.6	9.0

*** Shows that data was not available.