

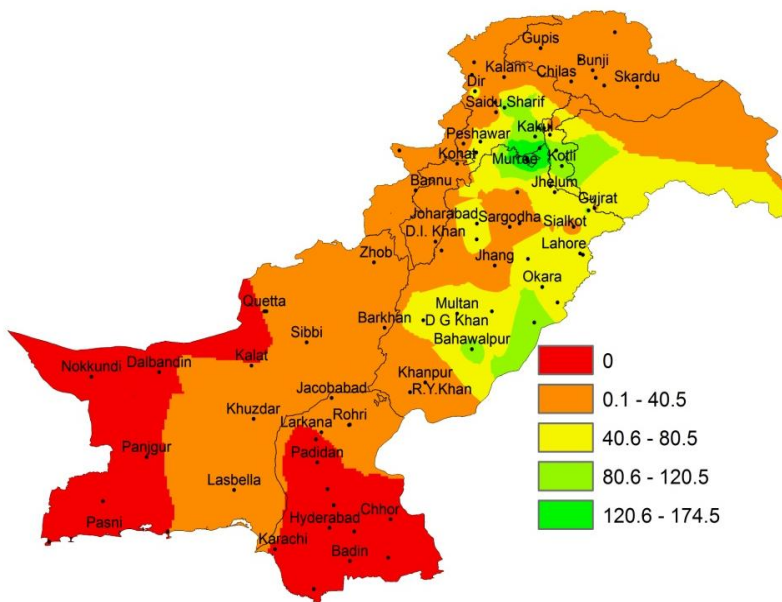
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the
Previous Week (From 6th to 12th July, 2015)**



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Highlights of Past Weather (From 6th to 12th July, 2015)

Mainly below normal day time temperature was reported in Khyber Pakhtunkhwa and Punjab while above normal day time temperature was reported in Balochistan and Sindh during the week.

Province wise distribution of rainfall reported as follows:

- Moderate to heavy rainfall reported at many places in Khyber Pakhtunkhwa, Punjab and Gilgit-Baltistan & Kashmir regions.
- Light rainfall reported at few places in Balochistan and Sindh.

Past Weather of Provinces (From 6th to 12th July, 2015)

Punjab

Heavy to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 34.0°C & 25.2°C respectively. For the present season average 174.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 74% and wind speed in the morning/evening 2.2/2.0 Knots. During the previous week the highest amount of rainfall was recorded 279.0 mm at Islamabad & highest maximum temperature was recorded 42.0°C at Bhakkar.

Sindh

Light rainfall reported at few places in Sindh during the week. Weekly maximum and minimum temperatures recorded 38.9°C & 28.3°C respectively. For the present season average 199.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 64% and wind speed in the morning/evening recorded 6.6/8.1 Knots. During the previous week the highest amount of rainfall was recorded 3.0mm at Jacobabad & highest maximum temperature was recorded 45.0°C at Nawabshah.

Gilgit-Baltistan and Azad Jammu & Kashmir

Heavy to moderate rainfall reported at many places in Gilgit-Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 31.5°C & 20.2°C respectively. For the present season average 145.7 growing degree days accumulated by the end of last week. Average relative humidity recorded 59% and wind speed in the morning/evening recorded 1.3/3.1 Knots. During the previous week the highest amount of rainfall was recorded 115.6mm at Kotli & highest maximum temperature was recorded 42.5°C at Chilas.

Balochistan

Light rainfall reported at few places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 38.0°C & 25.4°C respectively. For the present season average 186.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 46% and wind speed in the morning/evening recorded 2.2/6.8 Knots. During the previous week the highest amount of rainfall was recorded 37.0mm at Barkhan & highest maximum temperature was recorded 48.0°C at Turbat.

Khyber Pakhtunkhwa

Heavy to moderate rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 33.5°C & 22.6°C respectively. For the present season average 159.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 65% and wind speed in the morning/evening recorded 0.9/3.9 Knots. During the previous week the highest amount of rainfall was recorded 129.0 mm at Malam Jabba & highest maximum temperature was recorded 42.0°C at Bannu.

**Past Weather for Major Agricultural Plains
(From 6th to 12th July, 2015)****Rawalpindi (Potohar region)**

Rainfall reported as 124.0mm during the week; however cloudiness in the morning/evening recorded 2.6/5.6 Oktas while, average relative humidity observed as 77%. Mean day time temperature recorded 31.9°C & for the present season 162.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.2/0.8 Knots.

Faisalabad (Central Punjab)

Rainfall reported as 63.2mm during the week; however cloudiness in the morning/evening recorded 5.4/5.0 Oktas while, average relative humidity observed as 70%. Mean day time temperature recorded 34.4°C & for the present season 177.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.6 Knots.

Quetta (Northern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.7/3.3 Oktas while, average relative humidity observed as 26%. Mean day time temperature recorded 34.8°C & for the present season 163.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/4.1 Knots.

Usta Muhammad (Eastern Balochistan)

Rainfall reported as 11.2mm during the week; however cloudiness in the morning/evening recorded 5.3/4.3 Oktas while, average relative humidity observed as 49%. Mean day time temperature recorded 40.2°C & for the present season 204.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.7/6.0 Knots.

Tandojam (Lower Sindh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.3/1.6 Oktas while, average relative humidity observed as 68%. Mean day time temperature recorded 38.1°C & for the present season 194.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 3.6/3.2 Knots.

**Past Weather for Sub-Regional Agricultural
Plains (From 6th to 12th July, 2015)****Multan**

Rainfall reported as 62.9mm during the week; however cloudiness in the morning/evening recorded 5.0/3.9 Oktas while, average relative humidity observed as 70%. Mean day time temperature recorded 35.4°C & for the present season 181.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.0/4.6 Knots.

Rohri

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 3.6/1.1 Oktas while, average relative humidity observed as 57%. Mean day time temperature recorded 41.1°C & for the present season 212.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.7/3.1 Knots.

Lahore

Rainfall reported as 85.3mm during the week; however cloudiness in the morning/evening recorded 6.3/6.6 Oktas while, average relative humidity observed as 73%. Mean day time temperature recorded 32.7°C & for the present season 165.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.9/2.3 Knots.

Zhob

Rainfall reported as 3.1mm during the week; however cloudiness in the morning/evening recorded 2.2/3.4 Oktas while, average relative humidity observed as 52%. Mean day time temperature recorded 37.6°C & for the present season 174.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/12.1 Knots.

D.I. Khan

Rainfall reported as 25.0mm during the week; however cloudiness in the morning/evening recorded 3.0/3.1 Oktas while, average relative humidity observed as 77%. Mean day time temperature recorded 37.1°C & for the present season 180.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.0 Knots.

Peshawar

Rainfall reported as 8.1mm during the week; however cloudiness in the morning/evening recorded 4.9/5.7 Oktas while, average relative humidity observed as 72%. Mean day time temperature recorded 35.7°C & for the present season 185.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/6.3 Knots.

Murree

Rainfall reported as 176.0mm during the week; however cloudiness in the morning/evening recorded 7.6/6.3 Oktas while, average relative humidity observed as 91%. Mean day time temperature recorded 20.7°C & for the present season 98.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/1.7 Knots.

Kalam

Rainfall reported as 1.0mm during the week; however cloudiness in the morning/evening recorded 3.9/4.6 Oktas while, average relative humidity observed as 71%. Mean day time temperature recorded 26.1°C & for the present season 116.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/5.1 Knots.

Gilgit

Rainfall reported as 0.5mm during the week; however cloudiness in the morning/evening recorded 4.3/6.0 Oktas while, average relative humidity observed as 53%. Mean day time temperature recorded 35.3°C & for the present season 159.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/7.1 Knots.

Skardu

Rainfall reported as 14.4mm during the week; however cloudiness in the morning/evening recorded 4.0/6.0 Oktas while, average relative humidity observed as 46%. Mean day time temperature recorded 30.2°C & for the present season 115.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/4.3 Knots.

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

Potohar Region (Rawalpindi)

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

Central Punjab (Faisalabad)

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

Cotton: Good condition at *Flowering* stage.

Lower Sindh (Tandojam)

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

Cotton: Good condition at *Budding* stage.

Northern Balochistan (Quetta)

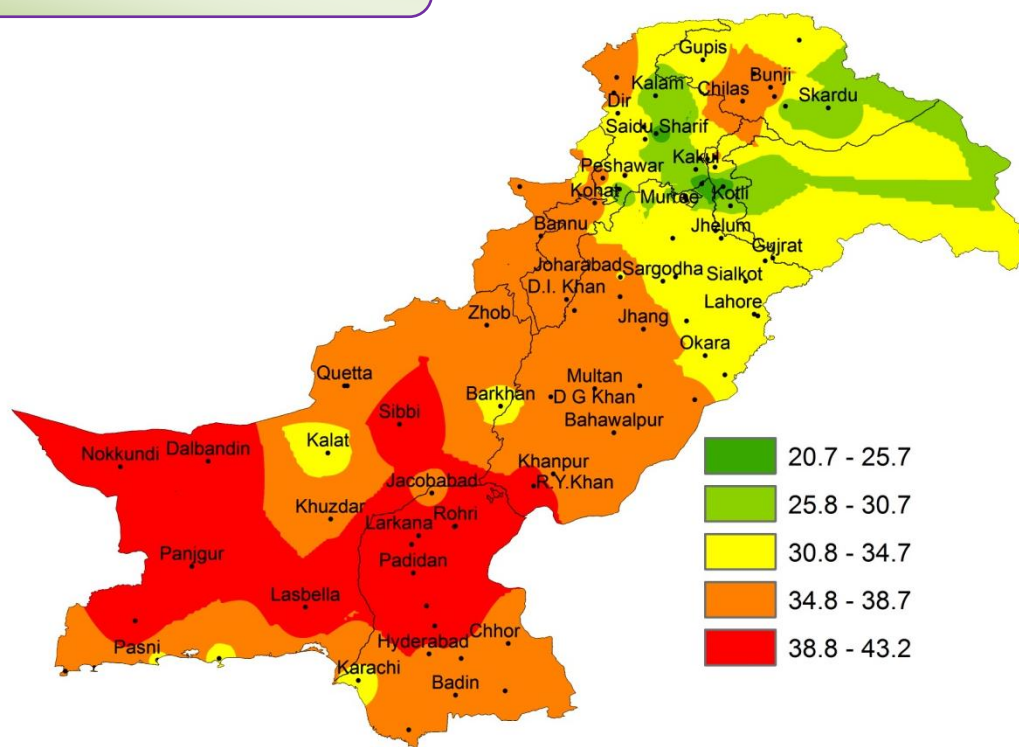
There is presently no crop grown in the fields of RAMC Quetta.

Eastern Balochistan (Usta Muhammad)

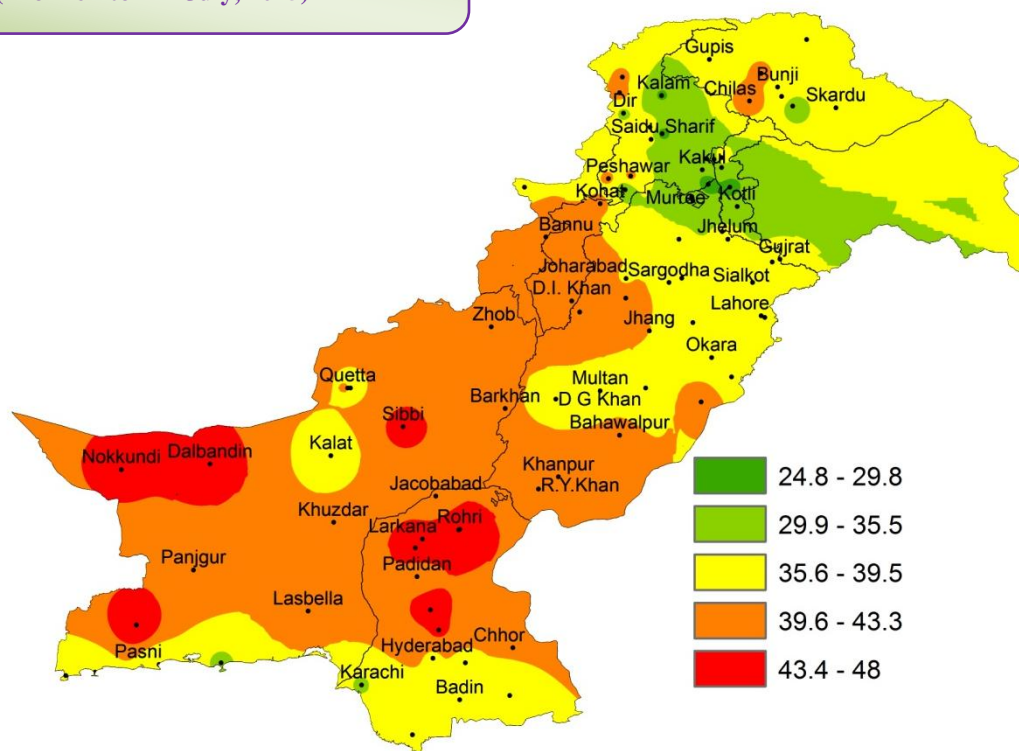
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Rice: Good condition at *Third Leaf* stage.

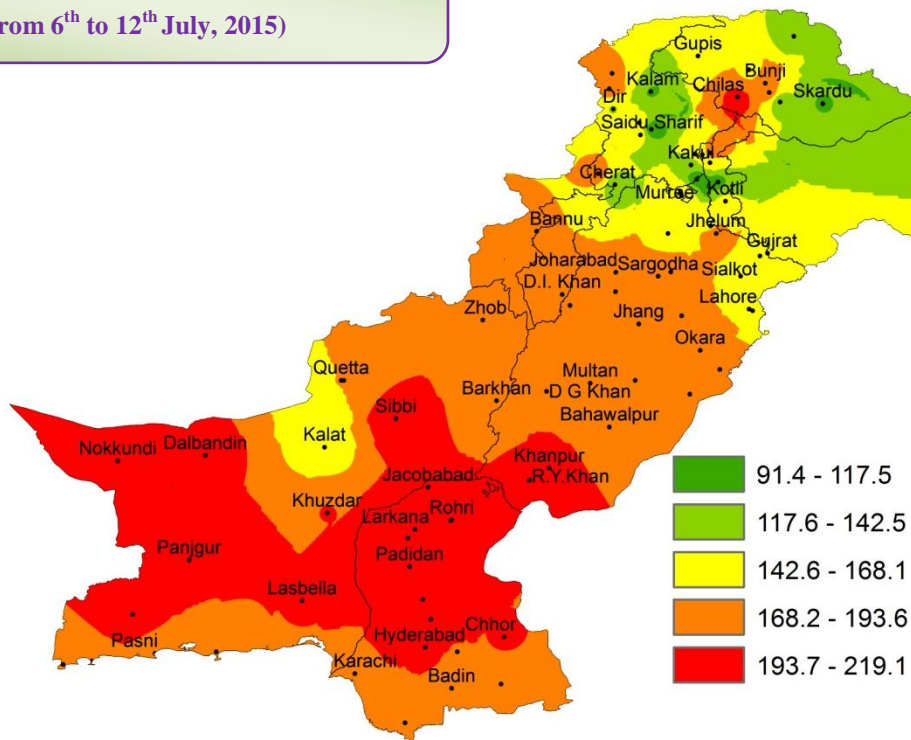
Mean Maximum Temperature (°C) during the Previous Week (From 6th to 12th July, 2015)



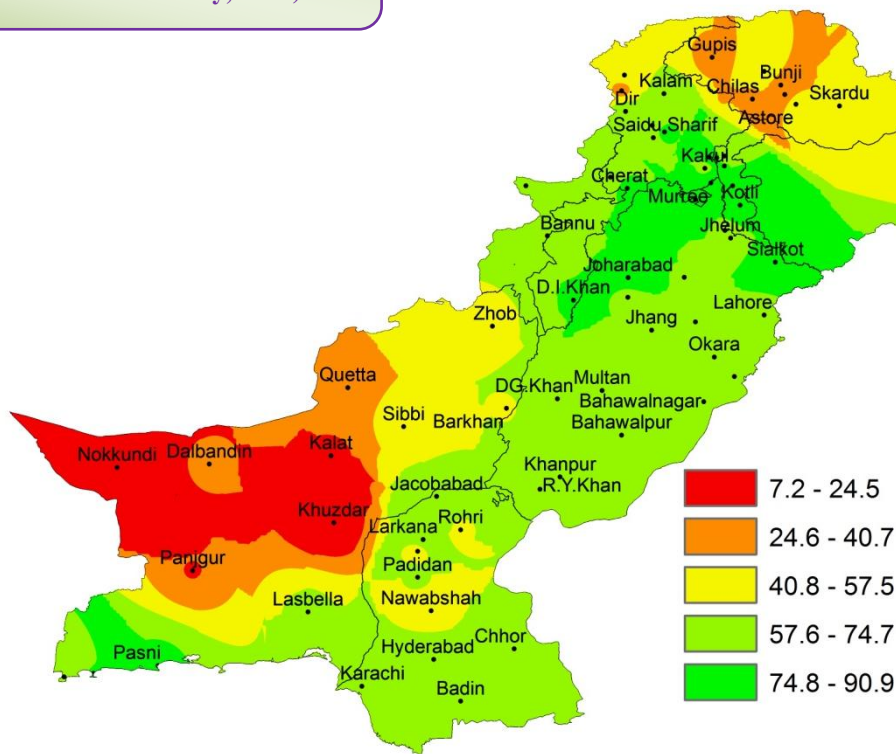
Highest Maximum Temperature (°C) during the Previous Week (From 6th to 12th July, 2015)



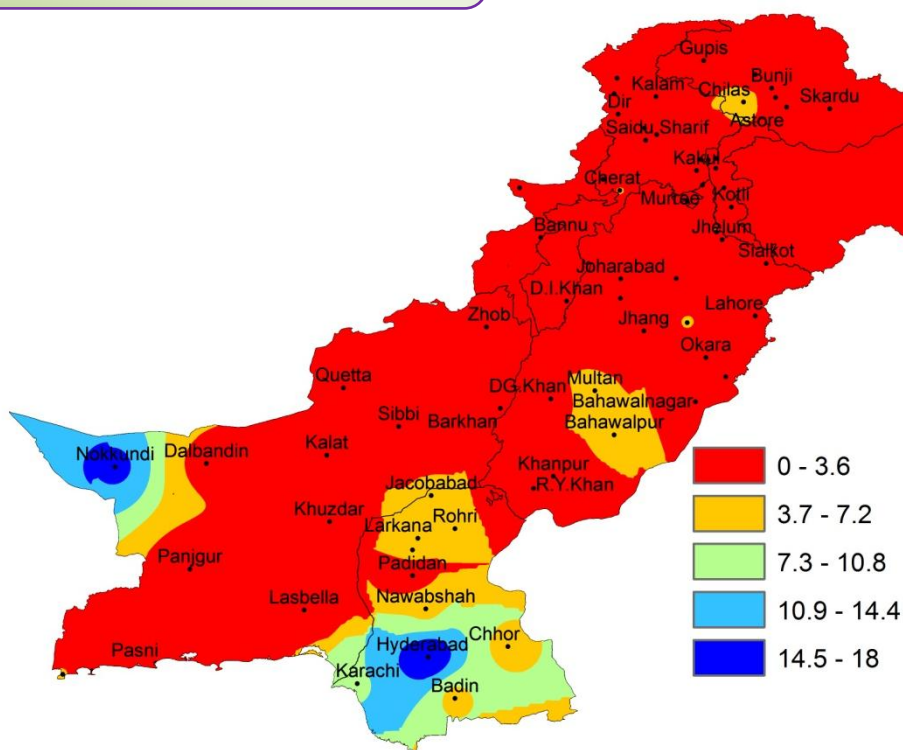
Total Growing Degree Days accumulated during the Previous Week (From 6th to 12th July, 2015)



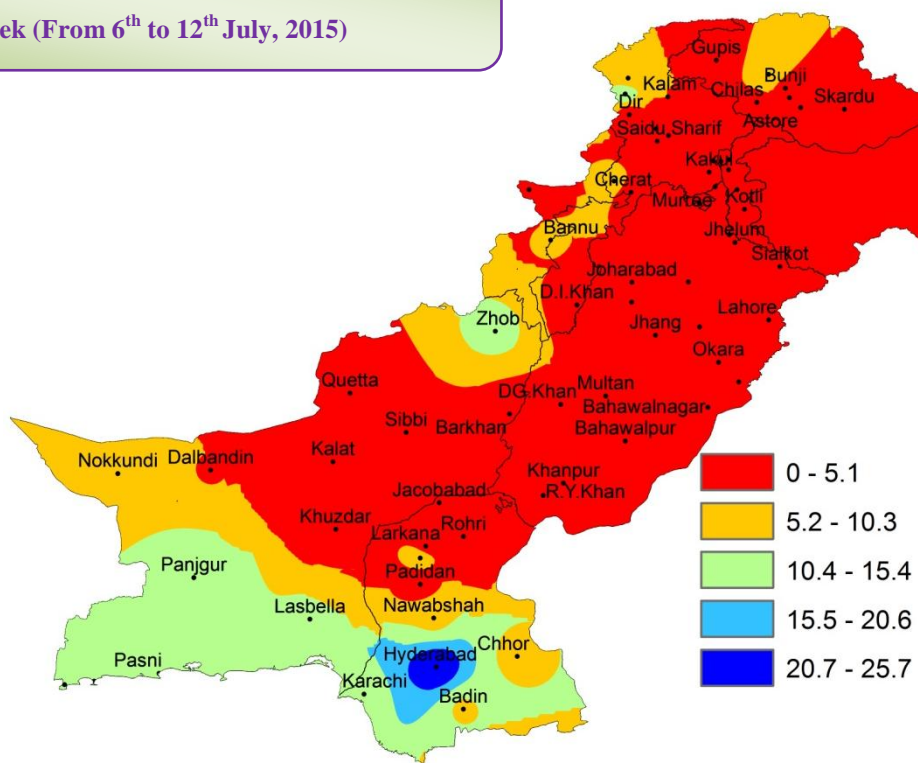
Mean Relative Humidity (%) during the Previous Week (From 6th to 12th July, 2015)



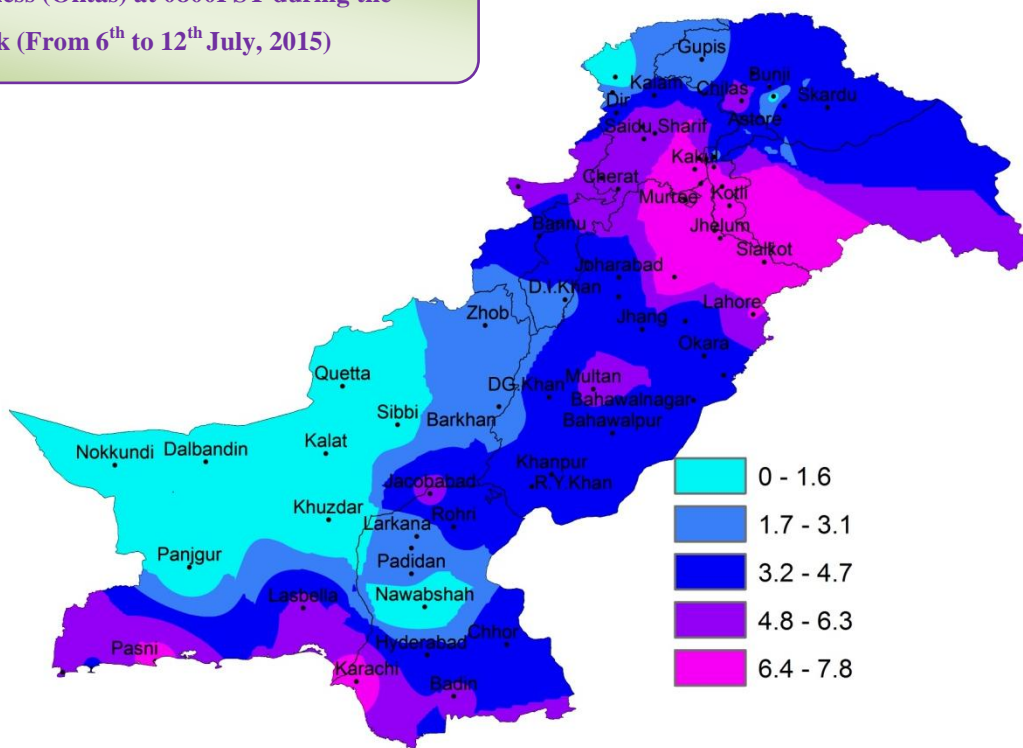
Mean Wind Speed (Knots) at 0800 PST during the Previous Week (From 6th to 12th July, 2015)



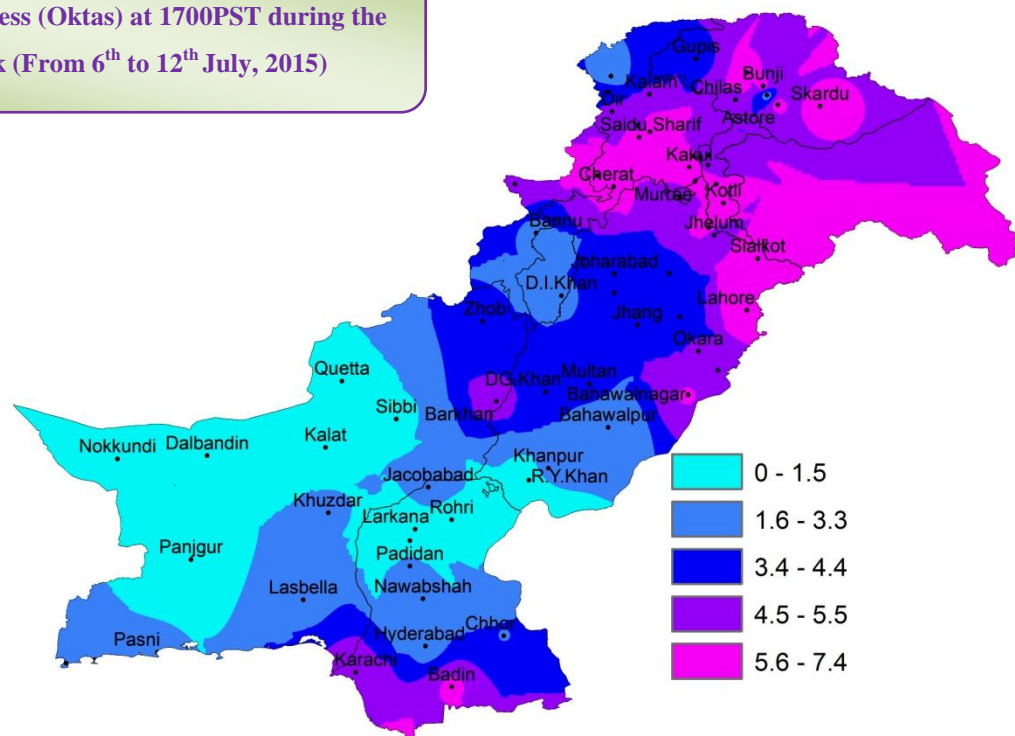
Mean Wind Speed (Knots) at 1700 PST during the Previous Week (From 6th to 12th July, 2015)



Mean Cloudiness (Oktas) at 0800PST during the Previous Week (From 6th to 12th July, 2015)



Mean Cloudiness (Oktas) at 1700PST during the Previous Week (From 6th to 12th July, 2015)



Weekly Weather Advisory for Farmers
(From 12th to 18th July, 2015)

Seasonal low lies over north Balochistan and its adjoining areas with its trough extending northeastwards. Monsoon currents are penetrating into central and upper parts of the country and likely to continue during next 24 hrs. A fresh westerly wave is also expected to reach upper parts of the country on Friday night.

SUNDAY
12-07-2015

Scattered rain-thundershower is expected in Kashmir, Lahore, Gujranwala, Rawalpindi/Islamabad Hazara, Malakand, Zhob divisions with isolated heavy fall in Lahore, Gujranwala divisions and Kashmir, while isolated rain-thundershower is likely in Sargodha, Sahiwal, D.G.Khan, Multan, Bahawalpur, Peshawar, Kohat, Sibbi, Kalat, Sukkur divisions and Gilgit-Baltistan.

MONDAY
13-07-2015

Hot and humid weather is expected in most parts of the country. However, rain-thundershower is expected at isolated places in Islamabad/ Rawalpindi, Gujranwala, Lahore, Malakand, Hazara, Sahiwal divisions, upper FATA, Kashmir and Gilgit-Baltistan.

TUESDAY
14-07-2015

Hot and humid weather is expected in most parts of the country. However, rain-thundershower is expected at isolated places in Malakand division, Kashmir and adjoining hilly areas.

WEDNESDAY
15-07-2015

Hot and humid weather is expected in most parts of the country. However, rain-thundershower is expected at isolated places in Malakand division, Kashmir and adjoining hilly areas.

THURSDAY
16-07-2015

Rain-thundershower is expected at scattered places in north east Punjab (Rawalpindi, Gujranwala, and Lahore divisions), Islamabad, Malakand, Hazara, Kohat divisions, FATA and Kashmir. Hot and humid weather is expected else where in the country.

FRIDAY
17-07-2015

Rain-thundershower is expected at scattered places in upper Punjab (Rawalpindi, Gujranwala, Sargodha, and Lahore divisions), Islamabad, Malakand, Hazara, Kohat, Bannu, Zhob divisions, FATA and Kashmir. Isolated heavy fall is also expected in Hazara, Rawalpindi, Lahore, Gujranwala divisions during Friday night. Hot and humid weather is expected else where in the country.

SATURDAY
18-07-2015

Widespread rain-thundershower with scattered heavy fall is expected in expected in Kashmir, northeast Punjab (Rawalpindi, Gujranwala, Lahore divisions), Islamabad, , Hazara divisions while at scattered places in Sargodha, Sahiwal, D.G.khan, Multan, Peshawar Kohat, Bannu, Zhob, Kalat, Sibbi divisions. Hot and humid weather is expected else where in the country.

ADVISES FOR CROPS

Cotton: Farmers are advised to manage irrigation practices as per weather prediction during the week.

General Information

- Pest/viral attacks and more weeds growth are expected after heavy rains in cotton and other standing crops in upper parts of the country. Farmers are therefore advised to take in time precautionary measures in this regard.
- Farmers of cotton, sugarcane, rice and other standing crops are advised to be aware of the adverse effects of stagnant water in the fields. Mechanism for drainage of stagnant water from fields should be evolved on priority basis and necessary requirements in this regard should be taken.
- Weather forecast should be kept in mind before spraying chemicals.

National Weather Data of Selected Cities
(Weekly Data from 6th to 12th July, 2015)

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	32.5	115.5	52	12.4	4.3	6.0	0.9	2.9
Badin	36.0	36.5	190.0	68	0.0	4.8	5.7	6.3	9.4
Bahawalnagar	34.8	41.0	177.6	74	103.0	4.6	5.6	2.6	1.7
Bahawalpur	35.6	40.0	179.8	73	85.2	4.3	1.7	4.3	1.4
Balakot	31.1	35.0	150.9	79	91.4	6.9	5.6	0.3	0.6
Bannu	36.7	42.0	175.0	60	4.3	3.9	3.0	2.3	5.7
Barkhan	34.3	39.5	169.0	56	37.0	2.4	4.9	0.0	2.0
Bunji	34.9	39.4	173.6	37	3.9	5.0	6.1	3.7	4.6
Cherat	27.2	32.0	123.0	76	79.0	6.3	5.7	3.7	4.0
Chhor	37.6	39.5	194.9	68	0.0	4.7	3.3	6.3	8.6
Chilas	38.5	42.5	200.5	38	10.4	5.1	5.3	5.4	4.3
Chitral	37.1	40.1	172.6	45	0.4	0.3	2.6	0.9	6.3
D.I.Khan	37.1	42.0	180.3	77	25.0	3.0	3.1	0.0	2.0
Dalbandin	43.0	46.0	206.8	26	0.0	0.0	0.6	2.6	4.9
DG.Khan	35.2	38.3	181.4	74	42.1	3.7	3.7	3.1	3.1
Dir	31.6	35.0	140.3	73	46.0	4.3	5.0	0.0	1.4
Drosh	38.5	41.4	181.7	35	0.5	2.1	3.7	0.6	14.7
Faisalabad	34.4	37.8	177.5	70	63.2	5.4	5.0	1.1	1.6
Garidopatta	31.6	34.5	154.0	78	73.0	7.4	5.3	1.1	2.0
Gawader	35.8	37.0	184.0	75	0.0	4.6	2.0	0.9	10.3
Gilgit	35.3	40.3	159.2	53	0.5	4.3	6.0	0.3	7.1
Gupis	33.1	36.0	147.3	35	0.0	1.7	3.9	2.6	3.4

Hyderabad	37.9	39.0	196.5	65	0.0	3.7	2.9	18.0	25.7
Islamabad	31.0	34.5	153.9	81	154.1	7.6	4.6	0.3	0.6
Jacobabad	37.7	41.0	198.0	64	3.0	5.2	2.1	4.0	1.4
Jhang	36.0	39.5	179.1	69	14.4	4.7	3.9	0.6	2.6
Jhelum	34.2	37.6	173.1	73	60.1	7.0	4.7	2.7	3.1
Jiwani	35.1	38.5	187.5	72	0.0	5.3	2.3	3.7	10.6
Joharabad	34.6	39.2	176.6	81	44.1	3.7	3.7	2.3	1.1
Kakul	28.0	30.0	129.8	70	90.3	7.6	6.6	0.3	1.1
Kalam	26.1	29.0	116.3	71	1.0	3.9	4.6	0.9	5.1
Kalat	33.1	36.0	147.5	21	0.0	0.0	0.9	0.0	0.0
Karachi	34.3	35.2	187.7	71	0.0	6.9	5.3	10.6	13.4
Khanpur	38.3	41.0	198.6	68	6.9	4.1	2.0	1.4	0.0
Khuzdar	38.4	39.5	194.3	7	12.0	0.0	1.7	0.0	2.0
Kotli	30.0	33.6	151.2	79	115.6	7.7	5.6	0.3	2.4
Lahore	32.7	36.2	165.5	73	85.3	6.3	6.6	2.9	2.3
Larkana	40.9	43.5	219.2	63	0.0	2.1	0.6	4.4	4.0
Lasbella	40.1	41.0	195.5	63	7.0	4.8	3.0	0.0	11.1
Lower Dir	35.6	39.0	167.3	63	16.0	5.9	4.4	0.9	3.1
M.B Din	33.9	38.5	171.8	74	36.8	7.9	3.9	1.7	2.0
Malam Jabba	21.2	27.0	90.0	79	129.0	6.3	7.4	0.0	0.0
Mangla	32.7	36.2	166.1	74	52.7	7.6	6.3	3.7	3.7
Mir Khani	38.2	39.0	190.3	25	0.0	0.4	2.4	0.0	3.6
Moinjodaro	41.6	45.0	210.2	55	0.0	2.4	0.4	4.3	6.6
Multan	35.4	38.2	181.7	70	62.9	5.0	3.9	4.0	4.6
Murree	20.7	24.5	98.6	91	176.0	7.6	6.3	0.6	1.7
Muzaffarabad	30.6	33.4	149.5	81	85.0	6.6	5.4	0.0	1.0

Nawabshah	42.4	45.0	210.8	53	0.0	0.0	1.6	6.6	8.9
Nokkundi	43.0	44.0	218.0	8	0.0	0.0	0.3	15.1	8.3
Noorpurthal	36.2	42.0	183.3	72	49.0	4.0	3.7	0.0	1.1
Okara	34.6	39.0	177.8	72	80.8	4.4	4.6	1.4	1.7
Padidan	40.2	42.0	206.0	59	0.0	1.9	1.9	1.7	3.1
Panjgur	41.4	43.0	207.5	24	0.0	0.5	0.0	1.0	14.3
Parachinar	36.9	39.0	***	69	21.0	5.3	5.4	3.3	3.0
Pasni	34.3	35.5	180.3	80	0.0	6.7	1.7	3.4	10.9
Pattan	36.2	39.5	189.8	59	5.0	1.3	4.6	0.0	0.7
Peshawar	35.7	40.2	185.9	72	8.1	4.9	5.7	0.9	6.3
Quetta	34.8	37.5	163.5	26	0.0	2.7	3.3	1.4	4.1
R.Y.Khan	39.5	41.8	202.5	61	3.1	3.4	0.4	2.3	0.3
Rawalakot	23.7	26.0	109.0	91	100.5	6.9	5.6	0.3	0.9
Rohri	41.1	44.5	212.8	57	0.1	3.6	1.1	3.7	3.1
Rawalpindi	31.9	35.5	162.8	77	124.0	2.6	5.6	0.2	0.8
Sahiwal	34.5	38.6	171.4	70	61.1	3.1	4.7	2.0	0.6
Saidu Sharif	32.0	36.5	155.0	73	19.4	6.1	6.3	0.0	0.9
Sialkot	32.7	36.0	163.5	78	89.7	7.3	6.1	0.9	1.4
Sibbi	41.9	45.0	214.3	50	5.0	1.1	1.1	0.3	2.0
Skardu	30.2	36.0	115.7	46	14.4	4.0	6.0	0.0	4.3
Tandojam	38.1	39.5	194.3	68	0.0	1.3	1.6	3.6	3.2
Usta.M	40.2	44.0	204.5	49	11.2	5.3	4.3	5.7	6.0
Zhob	37.6	40.0	174.3	52	3.1	2.2	3.4	1.7	12.1

*** Shows the data is not available.