

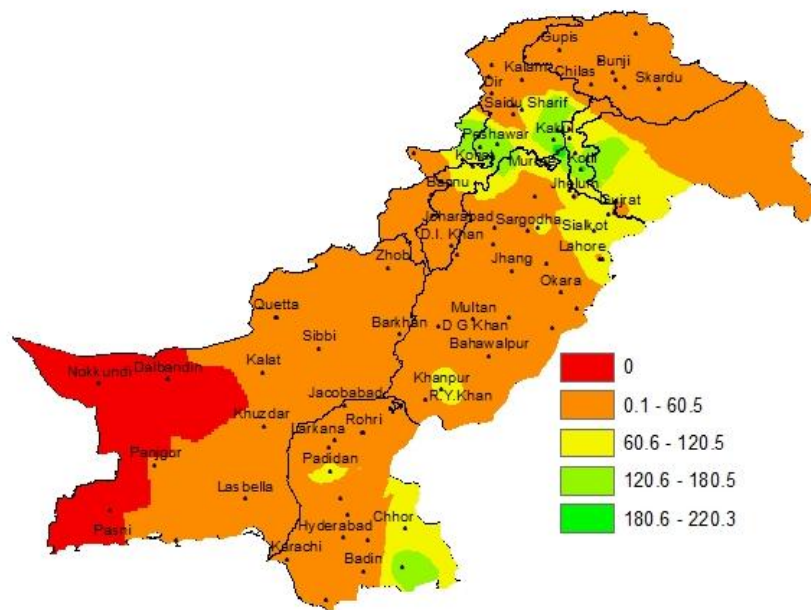
Weekly Weather and Crop Bulletin for Pakistan

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

Phone: +92-51-9250592

Email: dirnamc@yahoo.com

**Rainfall Distribution (mm) during the
Previous Week (From 20th to 26th July, 2015)**



Contents

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

Patron-in-Chief: Dr. Ghulam Rasul (Director General)

Chief Editor: Ch. Muhammad Aslam (Director)

Editor: Asma Jawad Hashmi (Deputy Director)

Highlights of Past Weather (From 20th to 26th July, 2015)

Mainly below normal day time temperature was reported in Khyber Pakhtunkhwa, Punjab and Gilgit-Baltistan & Kashmir regions and normal day time temperature was reported in Sindh and Balochistan.

Province wise distribution of rainfall reported as follows:

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

Past Weather of Provinces (From 20th to 26th July, 2015)

Punjab

Moderate to heavy rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 35.0°C & 26.0°C respectively. For the present season average 178.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 76% and wind speed in the morning/evening 1.2/2.3 Knots. During the previous week the highest amount of rainfall was recorded 221.2 mm at Islamabad & highest maximum temperature was recorded 40.5°C at Bhakkar.

Sindh

Moderate to heavy rainfall reported at many places in Sindh during the week. Weekly maximum and minimum temperatures recorded 37.7°C & 27.6°C respectively. For the present season average 193.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 70% and wind speed in the morning/evening recorded 3.8/4.8 Knots. During the previous week the highest amount of rainfall was recorded 152.0mm at Mithi & highest maximum temperature was recorded 44.0°C at Sukkur.

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 31.1°C & 19.9°C respectively. For the present season average 143.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 70% and wind speed in the morning/evening recorded 0.4/1.9 Knots. During the previous week the highest amount of rainfall was recorded 186.0mm at Kotli & highest maximum temperature was recorded 40.6°C at Chilas.

Balochistan

Light to moderate rainfall reported at many places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 36.6°C & 24.5°C respectively. For the present season average 183.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 53% and wind speed in the morning/evening recorded 3.2/5.7 Knots. During the previous week the highest amount of rainfall was recorded 31.2mm at Lesbela & highest maximum temperature was recorded 45.5°C at Nokkundi.

Khyber Pakhtunkhwa

Moderate to heavy rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 32.4°C & 21.7°C respectively. For the present season average 143.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 72% and wind speed in the morning/evening recorded 0.5/2.5 Knots. During the previous week the highest amount of rainfall was recorded 169.5mm at Balakot & highest maximum temperature was recorded 40.0°C at D.I.Khan.

**Past Weather for Major Agricultural Plains
(From 20th to 26th July, 2015)**

Rawalpindi (Potohar region)

Rainfall reported as 105.0mm during the week; however cloudiness in the morning/evening recorded 4.0/5.1 Oktas while, average relative humidity observed as 77%. Mean day time temperature recorded 33.4°C & for the present season 168.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.2/0.0 Knots.

Faisalabad (Central Punjab)

Rainfall reported as 54.4mm during the week; however cloudiness in the morning/evening recorded 5.1/6.1 Oktas while, average relative humidity observed as 75%. Mean day time temperature recorded 35.4°C & for the present season 177.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.8/1.1 Knots.

Quetta (Northern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 4.3/4.9 Oktas while, average relative humidity observed as 33%. Mean day time temperature recorded 34.5°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 2.1/2.5 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.6/4.1 Oktas while, average relative humidity observed as 44%. Mean day time temperature recorded 39.0°C & for the present season 194.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/2.0 Knots.

Tandojam (Lower Sindh)

Rainfall reported as 44.0mm during the week; however cloudiness in the morning/evening recorded 5.4/3.3 Oktas while, average relative humidity observed as 77%. Mean day time temperature recorded 36.0°C & for the present season 182.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 02.8/2.5 Knots.

**Past Weather for Sub-Regional Agricultural
Plains (From 20th to 26th July, 2015)**

Multan

Rainfall reported as 25.9mm during the week; however cloudiness in the morning/evening recorded 3.9/5.9 Oktas while, average relative humidity observed as 69%. Mean day time temperature recorded 37.7°C & for the present season 195.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/7.1 Knots.

Rohri

Rainfall reported as 38.1mm during the week; however cloudiness in the morning/evening recorded 6.0/2.6 Oktas while, average relative humidity observed as 63%. Mean day time temperature recorded 38.9°C & for the present season 206.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.0/3.1 Knots.

Lahore

Rainfall reported as 106.8mm during the week; however cloudiness in the morning/evening recorded 5.3/5.9 Oktas while, average relative humidity observed as 85%. Mean day time temperature recorded 31.9°C & for the present season 162.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/0.9 Knots.

Zhob

Rainfall reported as 4.0mm during the week; however cloudiness in the morning/evening recorded 4.5/4.4 Oktas while, average relative humidity observed as 58%. Mean day time temperature recorded 34.6°C & for the present season 162.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.3/2.0 Knots.

D.I. Khan

Rainfall reported as 0.2mm during the week; however cloudiness in the morning/evening recorded 3.7/3.9 Oktas while, average relative humidity observed as 76%. Mean day time temperature recorded 37.4°C & for the present season 183.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/2.6 Knots.

Peshawar

Rainfall reported as 161.0mm during the week; however cloudiness in the morning/evening recorded 5.1/5.1 Oktas while, average relative humidity observed as 81%. Mean day time temperature recorded 35.0°C & for the present season 178.5 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 221.2mm during the week; however cloudiness in the morning/evening recorded 6.0/7.6 Oktas while, average relative humidity observed as 90%. Mean day time temperature recorded 22.1°C & for the present season 99.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/0.9 Knots.

Kalam

Rainfall reported as 22.4mm during the week; however cloudiness in the morning/evening recorded 5.7/6.7 Oktas while, average relative humidity observed as 78%. Mean day time temperature recorded 25.1°C & for the present season 109.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

Gilgit

Rainfall reported as 7.7mm during the week; however cloudiness in the morning/evening recorded 6.7/6.6 Oktas while, average relative humidity observed as 67%. Mean day time temperature recorded 32.8°C & for the present season 150.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.6 Knots.

Skardu

Rainfall reported as 25.0mm during the week; however cloudiness in the morning/evening recorded 5.1/4.7 Oktas while, average relative humidity observed as 60%. Mean day time temperature recorded 29.8°C & for the present season 127.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/2.6 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 *Flowering* stage.

Northern Balochistan (Quetta)

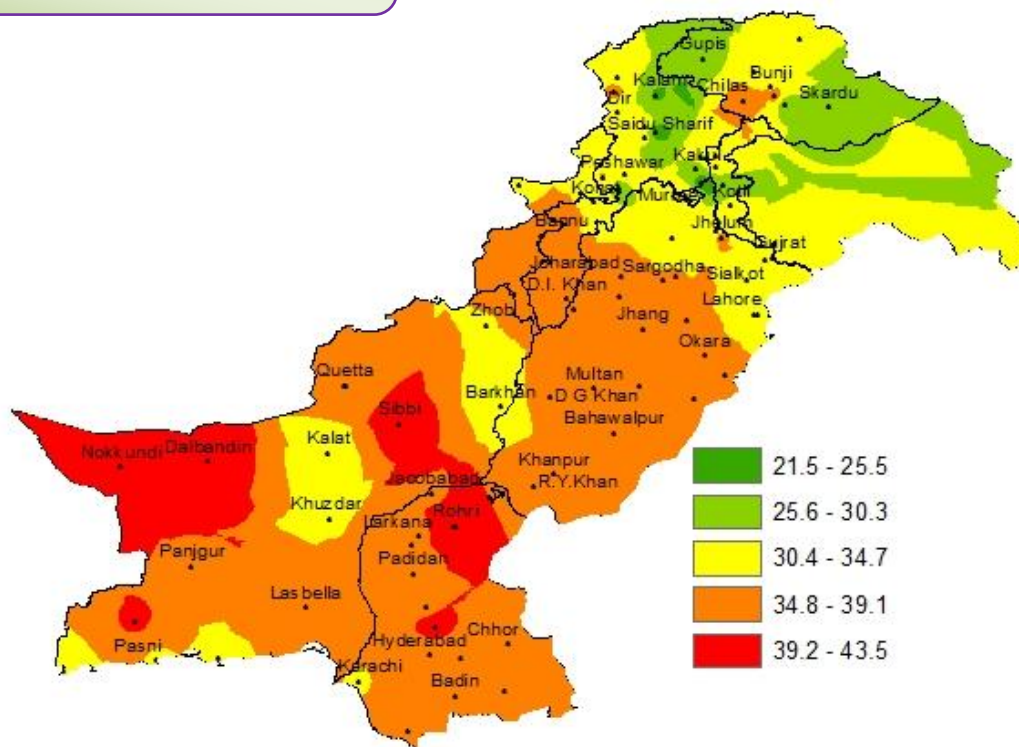
There is presently no crop grown in the fields of RAMC Quetta.

Eastern Balochistan (Usta Muhammad)

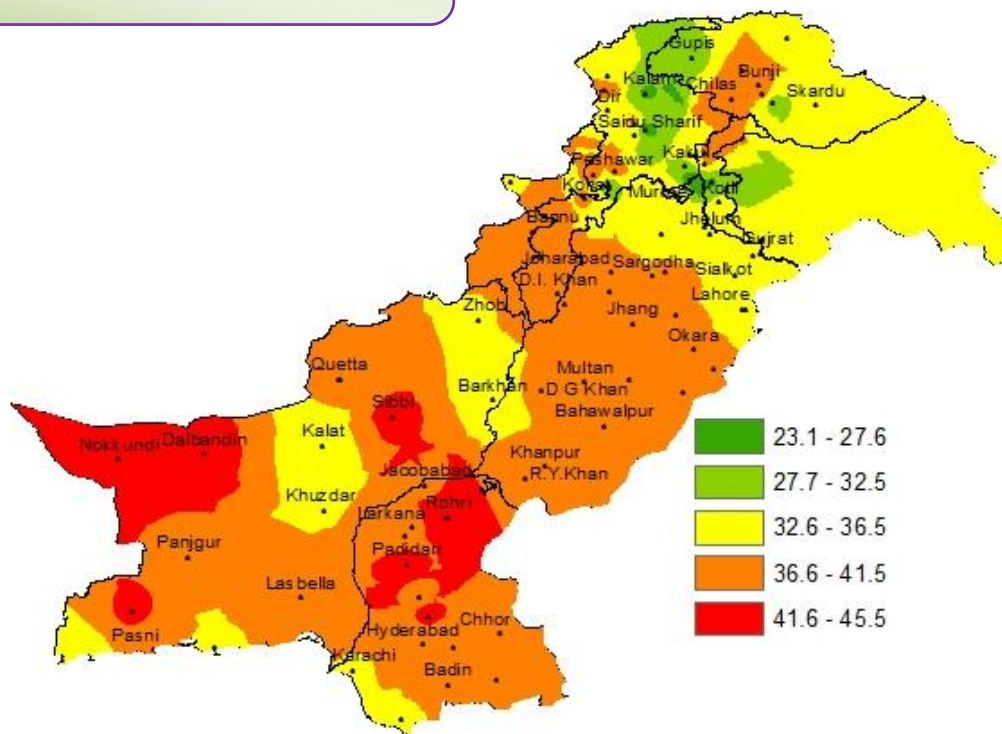
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Rice: Good condition at *Third Leaf* stage.

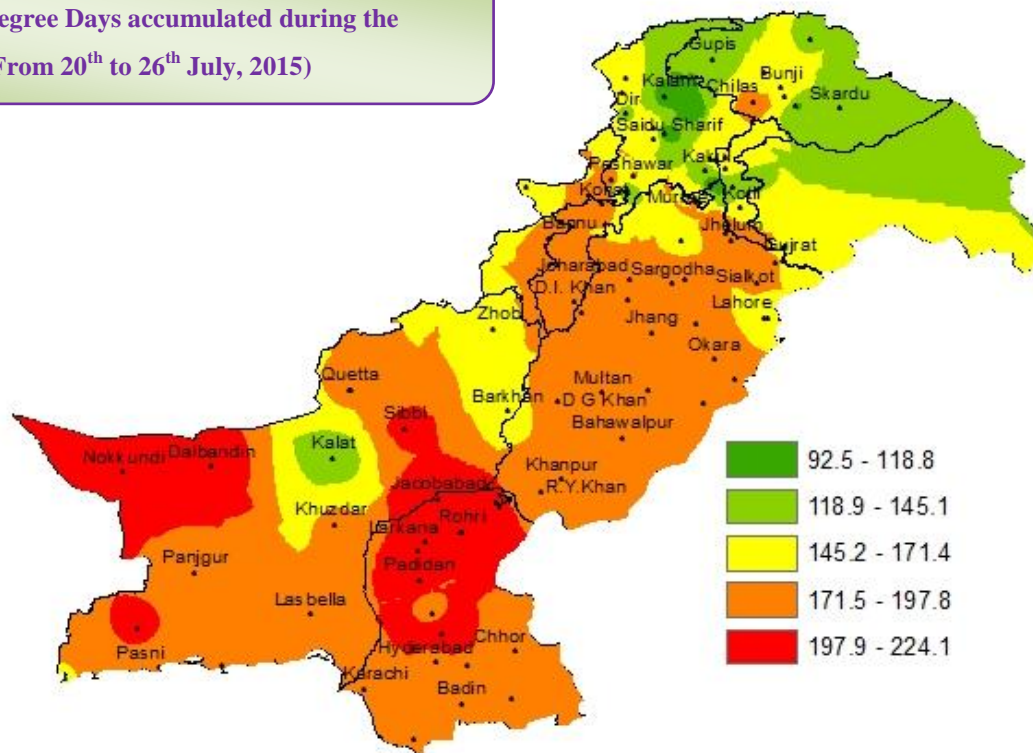
Mean Maximum Temperature (°C) during the Previous Week (From 20th to 26th July, 2015)



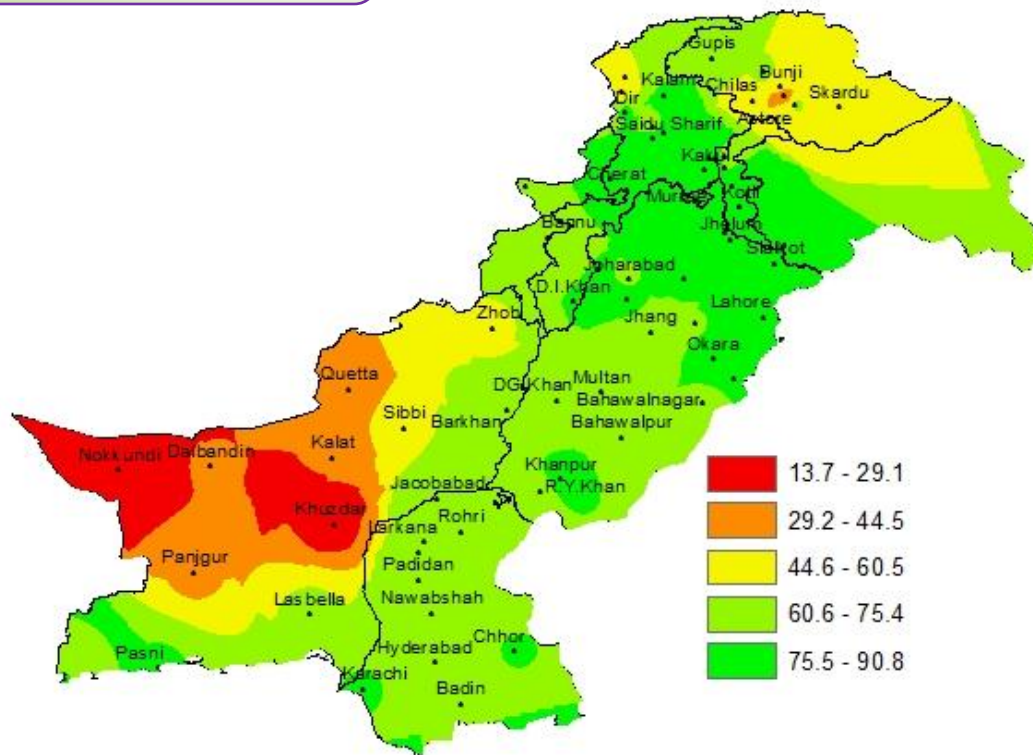
Highest Maximum Temperature (°C) during the Previous Week (From 20th to 26th July, 2015)



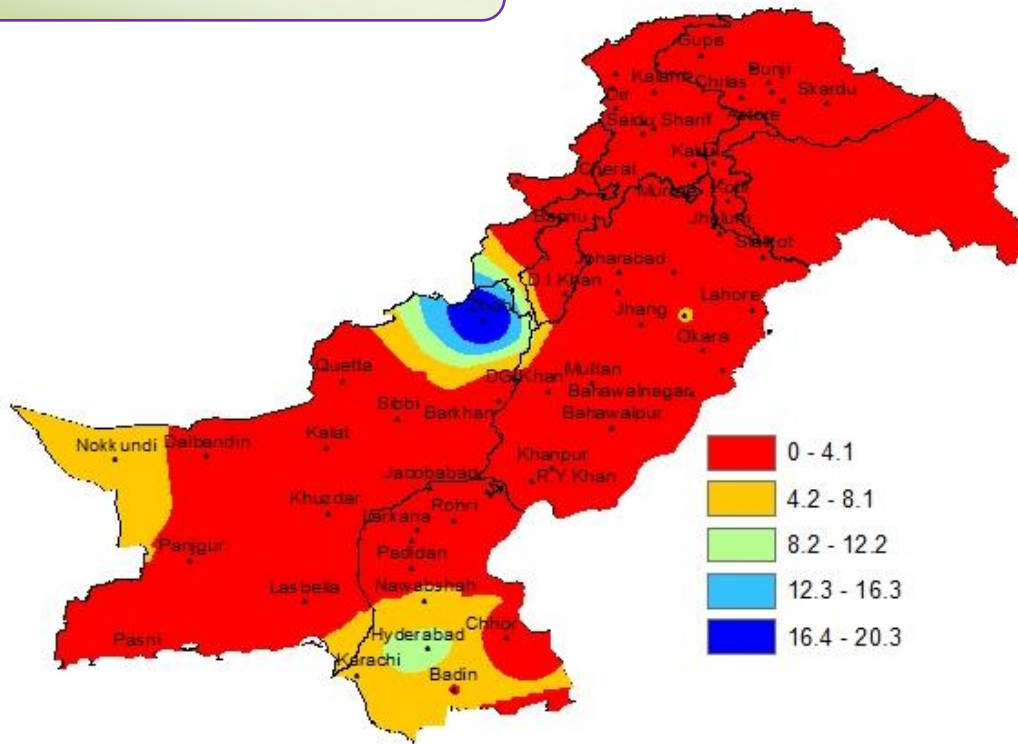
Total Growing Degree Days accumulated during the Previous Week (From 20th to 26th July, 2015)



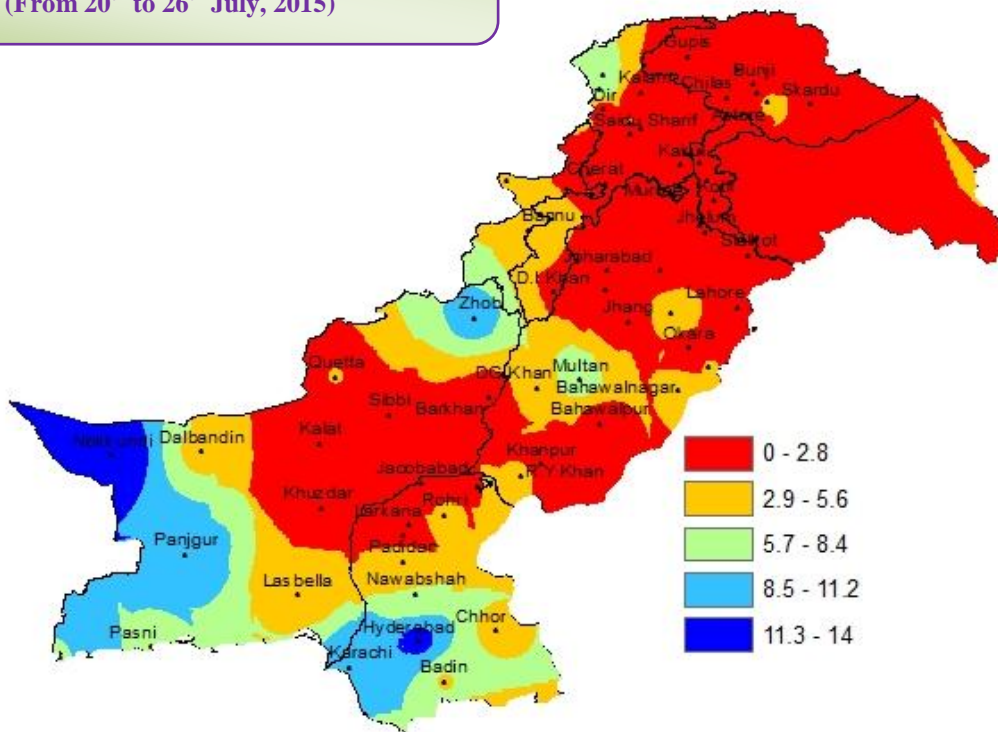
Mean Relative Humidity (%) during the Previous Week (From 20th to 26th July, 2015)



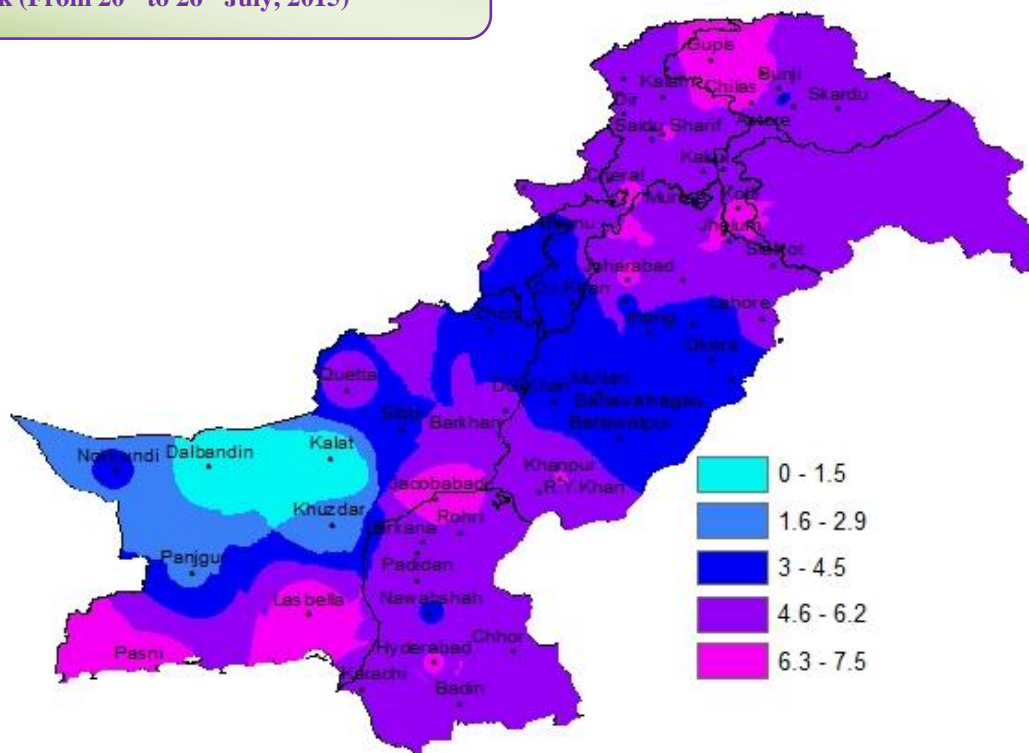
Mean Wind Speed (Knots) at 0800 PST during the Previous Week (From 20th to 26th July, 2015)



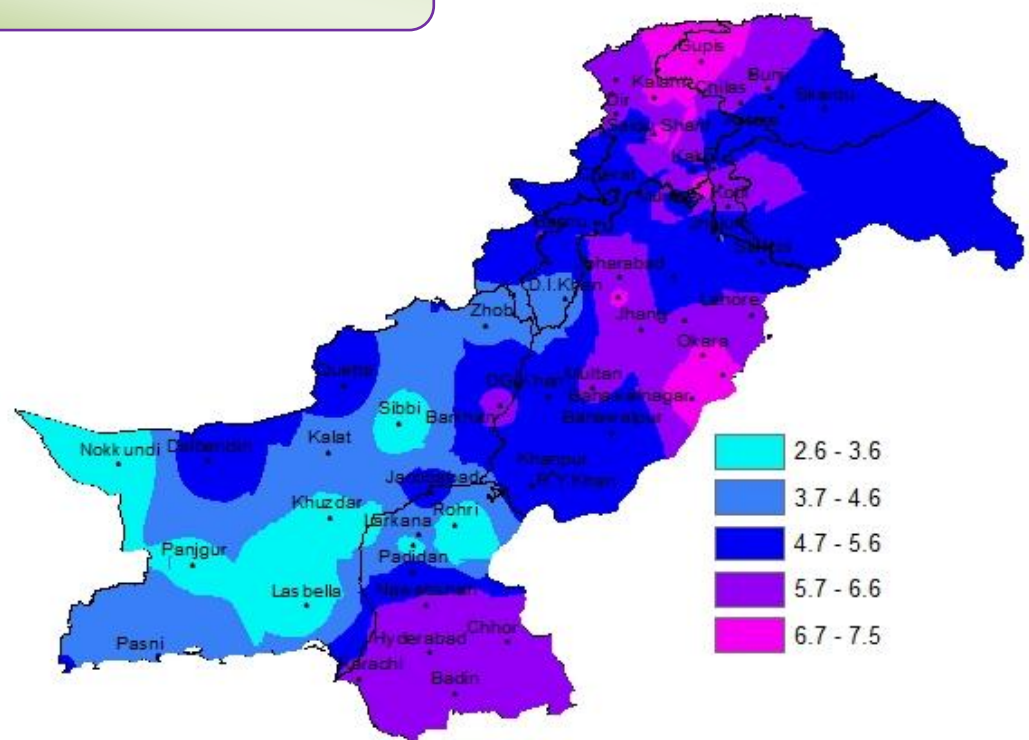
Mean Wind Speed (Knots) at 1700 PST during the Previous Week (From 20th to 26th July, 2015)



Mean Cloudiness (Oktas) at 0800PST during the Previous Week (From 20th to 26th July, 2015)



Mean Cloudiness (Oktas) at 1700PST during the Previous Week (From 20th to 26th July, 2015)



Weekly Weather Advisory for Farmers
(From 27th July to 2nd August, 2015)

Well marked seasonal low lies over southwest Balochistan and its adjoining areas with its trough extending south eastwards. Strong monsoon currents are penetrating into upper and Central parts of the country and expected to continue during next 02 days that may interact with westerly wave. Strong monsoon currents are also approaching in southern parts of the country and likely to continue up to Thursday.

MONDAY 27-07-2015

Widespread rain-thundershower with scattered heavy falls expected in Khyber-Pakhtunkhwa (Malakand, Hazara, Mardan, Peshawar, D.I.Khan divisions), Upper FATA (Bajour, Mahmond, Khyber, Orakzai and Kurram Agencies), Sindh(Sukkur, Larkana, Mirpurkhas, Hyderabad divisios), Islamabad, Punjab (Rawalpindi, Gujranwala, Lahore, Sargodha, Multan, D.G khan, Bahwalpur, Sahiwal divisions), Balochistan(Zhob, Sibbi, Kallat, Naseerabad divisions), Kashmir and Gilgit-Baltistan, while scattered rain-thundershower expected in Faisalabad, Karachi divisions, Lower KP (Kohat, Bannu divisions).

TUESDAY 28-07-2015

Widespread rain-thundershower with scattered heavy at times very heavy falls is expected in Sindh (Sukkur, Larkana, Karachi, Hyderabad and Mirpurkhas divisions), south Punjab (D G Khan, Multan, Bahawalpur divisions), Eastern Balochistan (Zhob, Sibbi and Naseerabad divisions) and Southern KP (D.I. Khan division). Scattered rain-thundershower is also expected in upper Punjab, Islamabad, upper & central KP, FATA, Kashmir, and Gilgit-Baltistan.

WEDNESDAY 29-07-2015

Widespread rain-thundershower with scattered heavy at times very heavy falls is expected in Sindh (Sukkur, Larkana, Karachi, Hyderabad and Mirpurkhas divisions), south Punjab (D G Khan, Multan, Bahawalpur divisions), Eastern Balochistan (Zhob, Sibbi and Naseerabad divisions) and Southern KP (D.I. Khan division). Isolated rain-thundershower is also expected in upper Punjab, Islamabad, upper & central KP, FATA, Kashmir, and Gilgit-Baltistan.

THURSDAY 30-07-2015

Scattered rain-thundershower is expected in Sindh including Karachi, Balochistan (Zhob, Sibbi, Nasirabad, divisions), Punjab (Rawalpindi, Gujranwala, Lahore, Sargodha, Faisalabad, Sahiwal, D.G khan, Multan and Bahawalpur divisions), Islamabad, KP, Kashmir, Gilgit-Baltistan and FATA. Isolated heavy falls are expected in south Punjab, northeast Balochistan and Sukkur division.

FRIDAY 31-07-2015

Widespread rain-thundershower with scattered heavy at times very heavy falls is expected in Sindh (Sukkur, Larkana, Karachi, Hyderabad and Mirpurkhas divisions), south Punjab (D G Khan, Multan, Bahawalpur divisions), Eastern Balochistan (Zhob, Sibbi and Naseerabad divisions) and Southern KP (D.I. Khan division). Isolated rain-thundershower is also expected in upper Punjab, Islamabad, upper & central KP, FATA, Kashmir, and Gilgit-Baltistan.

SATURDAY 01-08-2015

Widespread rain-thundershower with scattered heavy at times very heavy falls is expected in Sindh (Sukkur, Larkana, Hyderabad and Mirpurkhas divisions). Scattered rain thundershower is likely in Kashmir, Rawalpindi, Gujranwala, Bahawalpur, Multan, Malakand, Hazara, Zhob, Sibbi, Kallat divisions while isolated rain-thundershower is likely in Sargodha, D.G.Khan, D.I.Khan divisions.

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 20th to 26th 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	26.6	30.0	114.0	64	9.1	5.3	5.4	0.0	3.4
Badin	34.9	37.5	181.6	75	25.2	6.1	6.0	4.0	5.4
Bahawalnagar	38.1	39.2	197.6	73	16.1	3.9	6.6	0.3	3.4
Bahawalpur	37.8	39.5	192.1	71	13.5	3.3	4.6	0.6	0.9
Balakot	31.8	35.0	153.2	82	169.5	5.1	6.6	0.0	0.0
Bannu	36.4	38.8	173.3	66	16.0	4.1	5.6	0.0	4.9
Barkhan	32.0	33.0	156.5	66	22.0	4.7	5.7	0.0	0.6
Bunji	34.1	38.9	166.3	54	2.1	6.3	6.0	0.0	1.1
Cherat	27.3	29.0	124.9	79	136.0	6.6	5.1	2.0	2.6
Chhor	36.6	40.2	185.9	76	98.5	6.0	6.3	2.9	4.9
Chilas	36.5	40.6	177.3	49	4.8	6.3	5.6	1.1	2.0
Chitral	33.1	35.4	152.3	60	2.6	5.0	6.6	0.3	6.6
D.I.Khan	37.4	40.0	183.2	76	0.2	3.7	3.9	0.6	2.6
Dalbandin	43.5	44.0	217.3	30	0.0	0.7	5.3	2.3	4.6
DG.Khan	36.9	38.0	190.0	65	16.4	3.7	4.9	2.0	4.9
Dir	31.2	34.0	140.1	79	48.0	4.9	5.7	0.0	1.4
Drosh	35.7	38.4	162.9	51	5.4	5.6	5.9	0.0	7.9
Faisalabad	35.4	37.5	177.8	75	54.5	5.1	6.1	0.8	1.1
Garidopatta	34.0	36.5	159.8	75	112.4	4.7	5.7	0.9	1.1
Gawader	34.7	35.0	180.1	74	0.0	6.9	3.7	0.0	10.0
Gilgit	32.8	38.0	150.9	67	4.7	6.7	6.6	0.0	2.6
Gupis	27.3	30.0	121.6	70	5.0	6.9	7.0	1.1	2.0

Hyderabad	37.6	39.0	194.4	66	28.9	6.3	6.0	10.0	12.3
Islamabad	33.2	35.0	167.1	77	84.5	4.4	5.1	1.1	2.3
Jacobabad	38.8	41.0	204.9	69	31.0	7.0	5.1	1.3	0.9
Jhang	36.0	38.2	182.9	68	36.2	4.1	5.7	0.3	0.9
Jhelum	35.0	36.5	179.2	78	54.9	5.9	4.4	3.4	2.0
Jiwani	32.5	33.3	168.6	75	0.0	7.1	4.7	3.1	8.0
Joharabad	35.7	37.5	184.7	74	28.5	6.7	6.0	0.3	0.3
Kakul	28.6	30.5	135.1	87	147.0	6.3	4.9	0.0	0.3
Kalam	25.1	27.0	109.3	78	22.4	5.7	6.7	0.0	0.3
Kalat	32.0	33.0	126.0	30	0.0	0.0	4.3	0.0	0.0
Karachi	34.6	36.2	182.3	76	45.6	5.6	5.7	7.9	10.0
Khanpur	35.5	37.5	184.5	80	87.2	6.3	5.4	0.0	1.4
Khuzdar	34.1	36.0	175.3	19	0.0	1.9	3.3	0.3	2.3
Kotli	31.7	33.3	159.7	84	186.0	6.4	5.6	0.7	1.4
Lahore	31.9	33.5	162.3	85	106.8	5.3	5.9	0.9	0.9
Larkana	38.8	41.0	203.9	64	12.1	5.9	4.6	3.4	2.6
Lasbella	38.4	41.0	182.2	67	31.2	7.6	3.1	0.3	3.4
Lower Dir	35.0	38.0	171.0	69	14.0	5.7	4.7	0.6	3.1
M.B Din	34.8	37.0	179.7	79	80.1	5.9	4.6	0.6	0.9
Malam Jabba	21.3	24.0	91.0	86	119.6	6.7	7.4	0.0	0.0
Mangla	34.1	35.5	179.5	80	80.1	6.7	5.6	1.4	2.6
Mir Khani	36.7	37.5	169.7	32	0.0	3.7	4.7	0.0	1.6
Moinjodaro	39.0	41.0	200.6	64	56.0	5.0	2.6	1.7	2.6
Multan	37.7	39.3	195.5	69	25.9	3.9	5.9	1.1	7.1
Murree	22.1	23.0	99.4	90	221.2	6.0	7.6	1.7	0.9
Muzaffarabad	32.0	34.0	153.1	83	152.0	5.4	4.9	0.0	1.7

Nawabshah	38.2	41.0	194.0	63	50.0	4.3	5.7	5.1	5.7
Nokkundi	43.2	45.5	224.1	14	0.0	3.0	2.9	7.1	14.0
Noorpurthal	37.8	39.0	188.1	79	21.0	4.1	6.7	0.6	2.0
Okara	36.4	38.0	187.3	80	23.4	3.7	6.7	2.0	1.7
Padidan	38.8	42.0	199.2	69	66.2	5.6	5.4	1.7	3.1
Panjgur	38.0	39.0	179.5	39	0.0	2.7	3.4	3.7	11.0
Parachinar	34.0	36.2	158.0	68	50.0	5.3	5.2	3.0	3.3
Pasni	34.2	36.5	178.1	79	0.0	6.9	4.6	3.7	7.1
Pattan	34.1	38.5	155.8	69	72.0	4.9	5.1	0.0	0.9
Peshawar	35.0	38.0	178.5	81	161.0	5.1	5.1	1.4	2.0
Quetta	34.5	36.0	162.8	33	0.0	4.3	4.9	2.1	3.8
R.Y.Khan	37.6	40.0	193.0	71	15.2	5.4	5.0	1.3	3.4
Rawalakot	26.2	27.0	121.2	91	109.9	5.7	6.0	0.0	1.7
Rohri	38.9	40.5	206.0	63	38.1	6.0	2.6	1.4	3.1
Rawalpindi	33.4	36.5	168.5	77	109.8	4.0	5.1	0.2	0.0
Sahiwal	36.9	38.0	184.9	76	16.0	3.7	6.6	1.4	2.9
Saidu Sharif	31.3	34.0	159.1	81	20.1	4.4	5.4	0.3	0.6
Sialkot	33.8	35.0	174.3	82	134.9	5.9	5.1	0.3	0.6
Sibbi	41.8	43.0	203.7	58	14.0	4.3	2.9	0.3	1.4
Skardu	29.8	34.3	127.9	60	25.0	5.1	4.7	0.3	2.6
Tandojam	36.0	39.5	182.3	77	44.0	5.4	3.3	2.8	2.5
Usta.M	39.0	41.2	194.5	44	0.0	3.6	4.1	0.6	2.0
Zhob	34.6	36.0	162.3	58	4.0	4.5	4.4	2.3	2.0

**** Shows the data is not available.