

Weekly Weather and Crop Bulletin for Pakistan

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

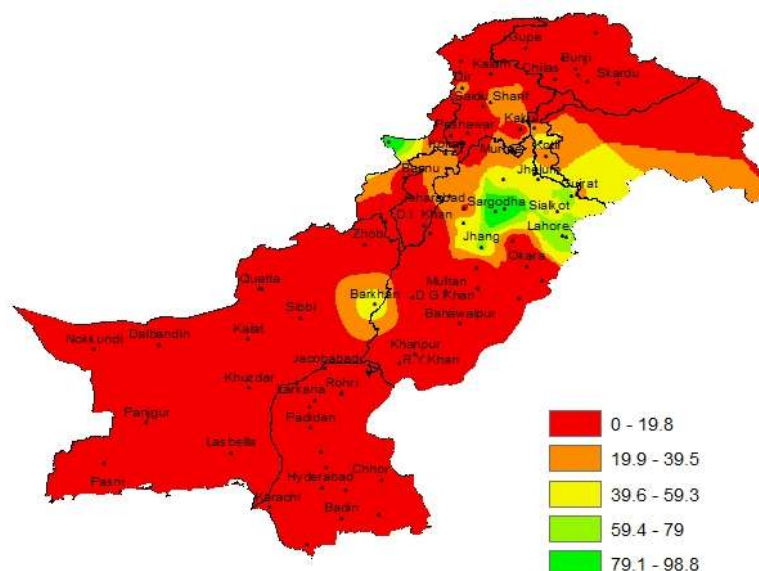
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**Rainfall Distribution (mm) during the
Previous Week (from 20th to 26th June, 2016)**

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Highlights of Past Weather (from 20th to 26th June, 2016)

Slightly above normal day time temperature was reported in different parts of the country during the week.

Province wise distribution of rainfall reported as follows:

- Light to moderate rainfall was reported at many places in Khyber Pakhtunkhwa, Punjab, and Gilgit-Baltistan & Kashmir regions.
- Dry weather was reported in Sindh.
- Light to moderate rainfall was reported at isolated places in Balochistan.

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Editor: Asma Jawad Hashmi (Deputy Director)

Past Weather of Provinces (from 20th to 26th June, 2016)

Punjab

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 39.2°C & 27.4°C respectively. For the present season average 198.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 56% and wind speed in the morning/evening recorded 3.1/3.5Knots. During the previous week the highest amount of rainfall was recorded 99.0mm at Sargodha & highest maximum temperature recorded 47.6°C at R.Y.Khan.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 41.7°C & 28.1°C respectively. For the present season average 209.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 52% and wind speed in the morning/evening recorded 4.6/6.5 Knots. During the previous week the highest maximum temperature recorded 48.5°C at Jacobabad.

Khyber Pakhtunkhwa

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 35.8°C & 21.8°C respectively. For the present season average 166.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 54% and wind speed in the morning/evening recorded 0.8/4.4Knots. During the previous week the highest amount of rainfall was recorded 97.0mm at Parachinar & the highest maximum temperature recorded 42.4°C at Chilas.

Balochistan

Light to moderate rainfall was reported at isolated places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 38.7°C & 23.8°C respectively. For the present season average 183.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 45% and wind speed in the morning/evening recorded 1.7/6.3 Knots. During the previous week the highest amount of rainfall was recorded 49.0mm at Barkhan & highest maximum temperature was recorded 50.0°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 33.7°C & 19.0°C respectively. For the present season average 157.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 47% and wind speed in the morning/evening recorded 0.9/2.1 Knots. During the previous week the highest amount of rainfall was recorded 51.6mm at Rawalakot & highest maximum temperature recorded 42.4°C at Chilas.

**Past Weather for Major Agricultural Plains
(from 20th to 26th June, 2016)****Rawalpindi (Potohar region)**

Rainfall reported as 30.0mm during the week; however cloudiness in the morning/evening recorded 3.8/1.7 Oktas while, average relative humidity observed as 56%. Mean day time temperature recorded 38.5°C & for the present season 187.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.4/1.1 Knots.

Faisalabad (Central Punjab)

Rainfall reported as 14.0mm during the week; however cloudiness in the morning/evening recorded 2.7/0.4 Oktas while, average relative humidity observed as 55%. Mean day time temperature recorded 39.9°C & for the present season 203.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/1.6Knots.

Tandojam (Lower Sindh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.4/0.7 Oktas while, average relative humidity observed as 65%. Mean day time temperature recorded 38.8°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 1.6/2.9 Knots.

Quetta (Northern Baluchistan)

Rainfall reported as 12.5mm during the week however cloudiness in the morning/evening recorded 2.4/3.4 Oktas while, average relative humidity observed as 27%. Mean day time temperature recorded 34.5°C & for the present season 161.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/3.3 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.1/0.1 Oktas while, average relative humidity observed as 51%. Mean day time temperature recorded 45.2°C & for the present season 224.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.0/5.0 Knots.

**Past Weather for Sub-Regional Agricultural
Plains (from 20th to 26th June, 2016)****Multan**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.3/3.4 Oktas while, average relative humidity observed as 44%. Mean day time temperature recorded 42.3°C & for the present season 223.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 7.1/7.1 Knots.

Lahore

Rainfall reported as 51.0mm during the week; however cloudiness in the morning/evening recorded 2.1/2.4 Oktas while, average relative humidity observed as 59%. Mean day time temperature recorded 36.7°C & for the present season 189.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.9/1.3 Knots.

Zhob

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.1/1.7 Oktas while, average relative humidity observed as 41%. Mean day time temperature recorded 38.5°C & for the present season 172.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.3/8.1 Knots.

D.I. Khan

Rainfall reported as 3.0mm during the week; however cloudiness in the morning/evening recorded 1.7/1.7 Oktas while, average relative humidity observed as 55%. Mean day time temperature recorded 41.1°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 1.1/3.4 Knots.

Peshawar

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.9/5.9 Oktas while, average relative humidity observed as 58%. Mean day time temperature recorded 40.4°C & for the present season 199.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/2.6 Knots.

Murree

Rainfall reported as 23.6mm during the week; however cloudiness in the morning/evening recorded 2.7/2.1 Oktas while, average relative humidity observed as 67%. Mean day time temperature recorded 25.7°C & for the present season 114.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/1.4 Knots.

Kalam

Rainfall reported as 6.0mm during the week; however cloudiness in the morning/evening recorded 1.4/4.9 Oktas while, average relative humidity observed as 54%. Mean day time temperature recorded 27.4°C & for the present season 101.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.6 Knots.

Gilgit

Rainfall reported as 1.2mm during the week; however cloudiness in the morning/evening recorded 2.6/4.9 Oktas while, average relative humidity observed as 37%. Mean day time temperature recorded 35.6°C & for the present season 150.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/3.4 Knots.

Skardu

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 3.6/5.0 Oktas while, average relative humidity observed as 28%. Mean day time temperature recorded 32.1°C & for the present season 131.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.6/3.4 Knots.

Crop Situation for Major Agricultural Plains
(Based on data from Regional Agromet Centres)

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: Normal condition at *Budding* stage Completed.

Lower Sindh (Tandojam)

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

Cotton: Good condition at *Budding* stage.

Northern Balochistan (Quetta)

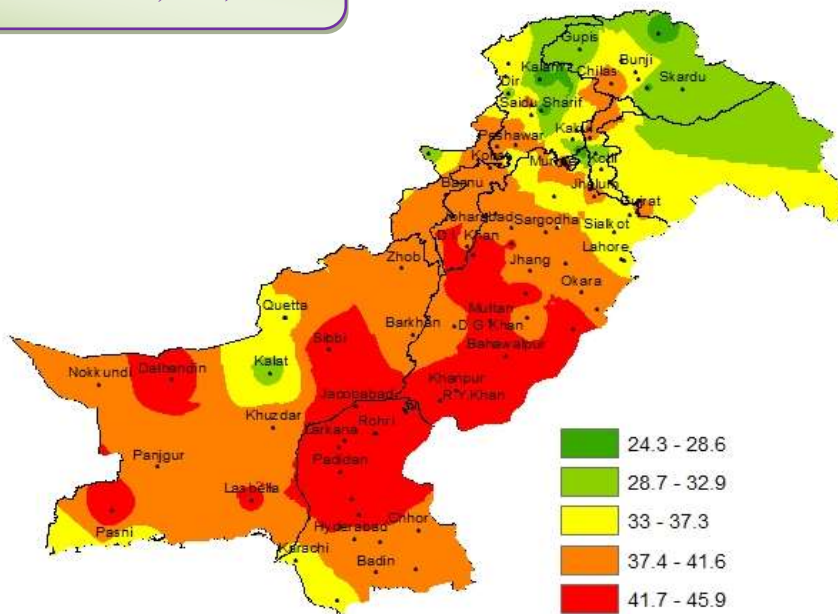
There is presently no crop grown in the fields of RAMC Quetta.

Eastern Balochistan (Usta Muhammad)

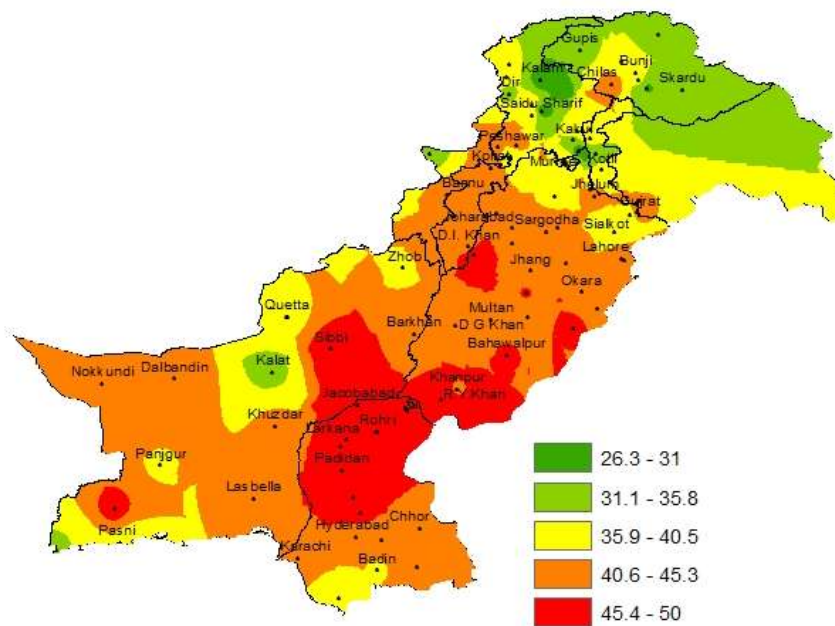
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Rice: Good condition at *Paniri* stage.

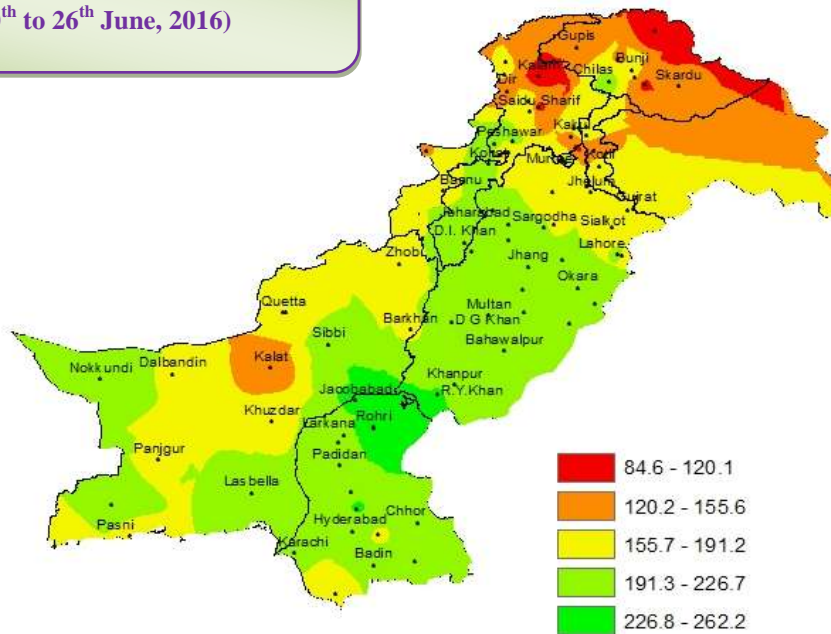
Mean Maximum Temperature (°C) during the Previous week (from 20th to 26th June, 2016)



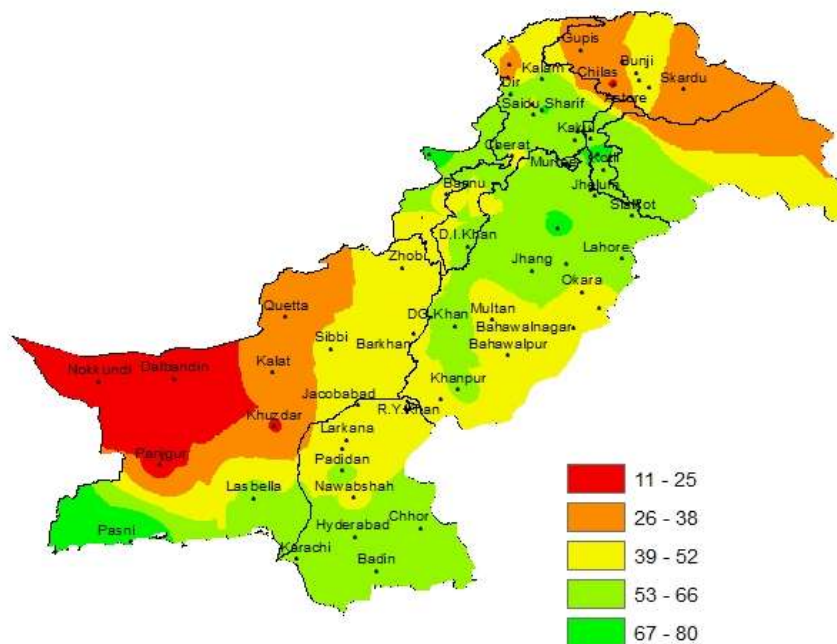
Highest Maximum Temperature (°C) during the Previous week (from 20th to 26th June, 2016)



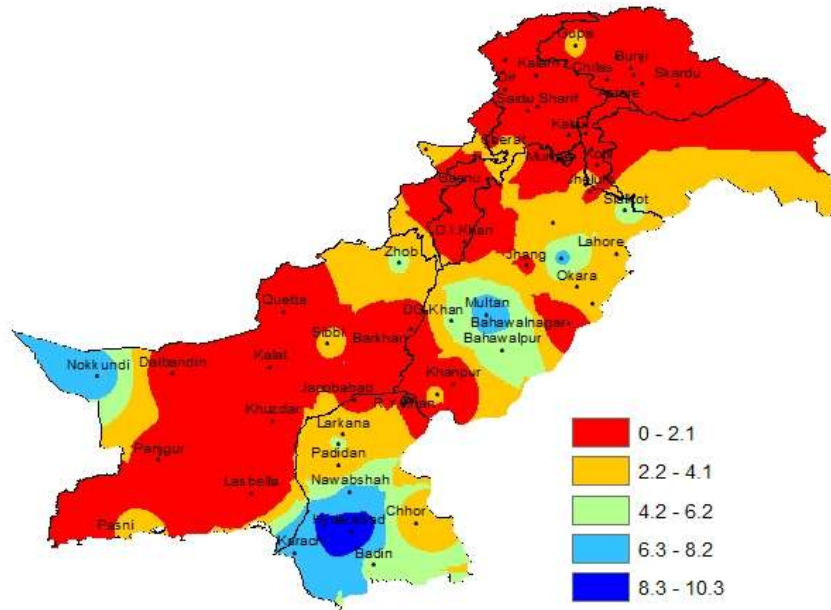
Total Growing Degree Days accumulated during the Previous week (from 20th to 26th June, 2016)



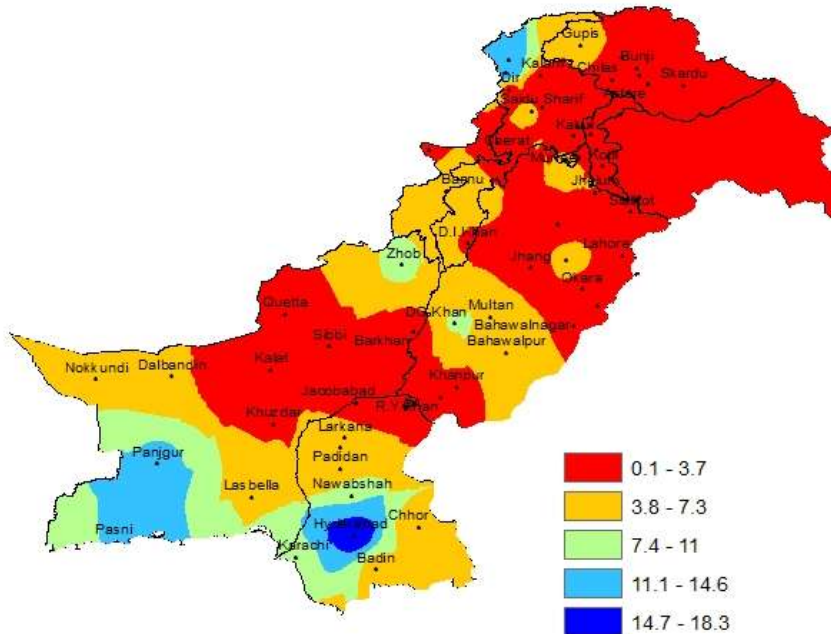
Mean Relative Humidity (%) during the Previous week (from 20th to 26th June, 2016)



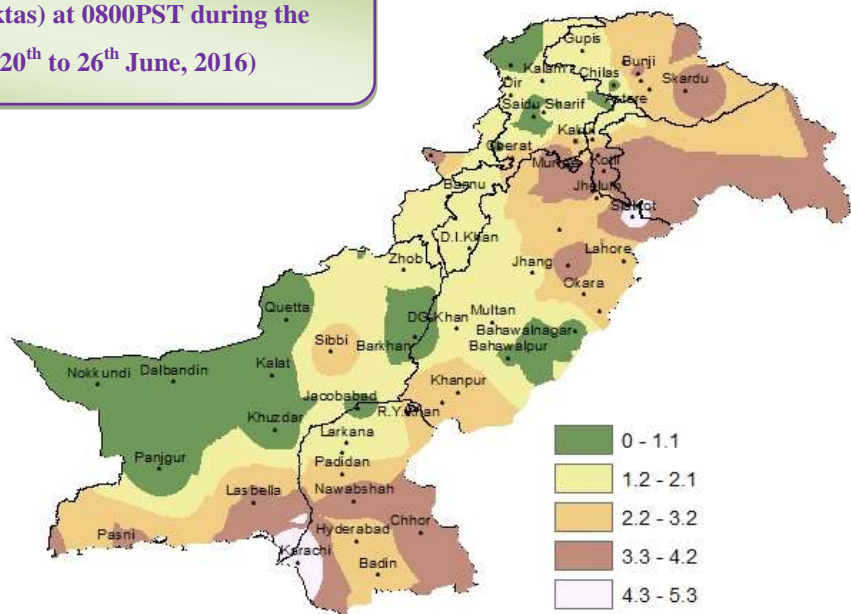
Mean Wind Speed (Knots) at 0300 PST during the Previous week (from 20th to 26th June, 2016)



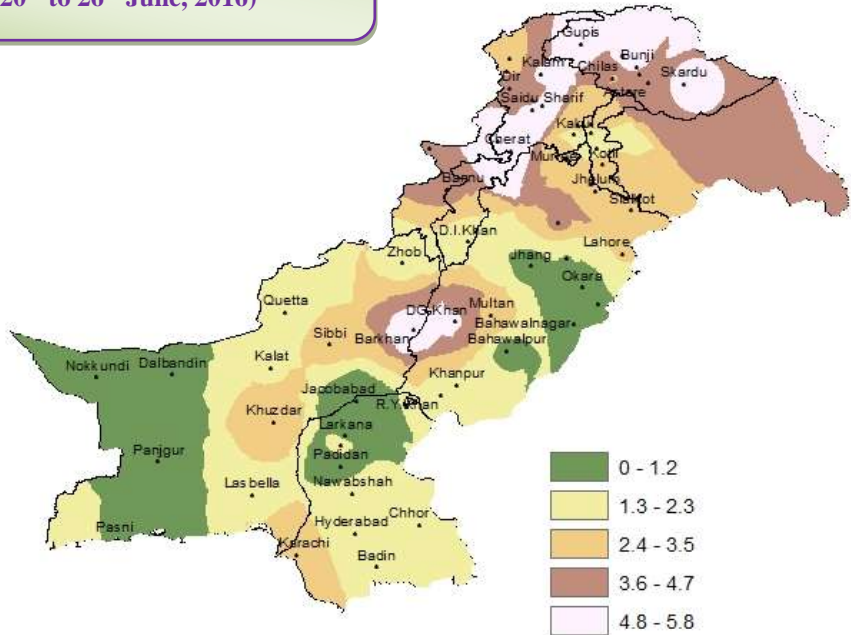
Mean Wind Speed (Knots) at 1200 PST during the Previous week (from 20th to 26th June, 2016)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 20th to 26th June, 2016)



Mean Cloudiness (Oktas) at 1200 PST during the Previous week (from 20th to 26th June, 2016)



Weekly Weather Advisory for Farmers**(from 27th June to 2nd July, 2016)**

Low pressure lies over central Balochistan and its adjoining areas. Strong monsoon currents from Arabian sea are likely to penetrate upper and southeastern parts of the country from Tonight. A fresh westerly wave is also likely to enter upper parts of the country on Monday. Under the influence of such meteorological conditions weather shall remain as following:

MONDAY**27-06-2016**

Widespread Rain/ Dust-thundershowers with strong gusty winds expected in Balochistan, scattered heavy falls are also expected in Kalat, Makran, Sibbi, Nasirabad divisions whereas scattered Rain/ Dust-thundershowers with strong gusty winds expected in Sindh, Quetta, Zhob, Bahawalpur, Multan, D.G Khan, Rawalpindi, Gujranwala, Lahore, Sargodha, Faisalabad, Sahiwal, Hazara, Peshawar, Kohat divisions. Islamabad and Kashmir, while at isolated places in Malakand, Bannu, D.I Khan divisions and FATA. Hot and dry weather is expected elsewhere in the country.

TUESDAY**28-06-2016**

Widespread Rain-dust storm/thunderstorm with isolated heavy falls accompanied by strong gusty and winds are expected in Punjab, KP, Sindh, Balochistan, FATA, Islamabad and Kashmir, while at scattered places in Sahiwal, Multan divisions and Gilgit-Baltistan

WEDNESDAY**29-06-2016**

Widespread Rain-dust storm/thunderstorm with isolated heavy falls accompanied by strong gusty and winds are expected in Punjab, KP, Sindh, Balochistan, FATA, Islamabad and Kashmir, while at scattered places in Sahiwal, Multan divisions and Gilgit-Baltistan

THURSDAY**30-06-2016**

Widespread Rain-dust storm/thunderstorm with isolated heavy falls accompanied by strong gusty and winds are expected in Punjab, KP (Malakand, Hazara, Peshawar, Mardan, Kohat, Bannu, D.I.khan divisions), Sindh, Balochistan, FATA, Islamabad and Kashmir, while at scattered places in Sahiwal, Multan divisions and Gilgit-Baltistan.

FRIDAY**01-07-2016**

Widespread Rain-dust storm/thunderstorm with isolated heavy falls accompanied by strong gusty and winds are expected in Punjab, KP, Sindh (Mirpurkhas, Sukkur, Larkana, Hyderabad, Karachi, divisions), Balochistan (Quetta, Zhob, Sibbi, Kalat, Nasirabad, Makran divisions), FATA, Islamabad and Kashmir, while at scattered places in Sahiwal, Multan divisions and Gilgit-Baltistan

SATURDAY**02-07-2016**

Rain-dust storm/thunderstorm with strong gusty winds are expected at scattered places in KP, FATA, Islamabad, upper Punjab (Rawalpindi, Gujranwala, Sargodha, Faisalabad, Lahore and Sahiwal divisions), and Kashmir while at isolated places in Mirpurkhas, Karachi, Hyderabad, Makran, Quetta, Zhob divisions and Gilgit-Baltistan

ADVISES FOR CROPS

- ❖ Removing weeds from cotton and other standing crops is very important as weeds utilize moisture and food which may be utilized by the crop. As a result considerable loss in yield occurs every year. However operations against weeds should be started using weedicides or manually when the crop completely covers the fields.
- ❖ Farmers are advised to irrigate standing crops as per requirement keeping the weekly forecast of the area.

National Weather Data of Selected Cities
(Weekly Data from 20th to 26th June, 2016)

Stations	Maximum/Day time Temperature (°C)		Growing Degree Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Oktas) 0800PST	Cloudiness (Oktas) 1700PST	Wind Speed (Knots) 0800PST	Wind Speed (Knots) 1700PST
	Mean	Highest							
Astore	27.6	30.0	110.0	40	0.4	2.6	4.6	1.1	2.6
Badin	38.6	40.0	199.0	60	0.0	3.0	2.3	5.7	5.1
Bahawalnagar	42.7	46.0	221.0	46	0.0	0.6	0.9	0.9	3.4
Bahawalpur	42.5	45.5	223.4	48	0.0	1.0	0.7	5.7	5.7
Balakot	35.6	37.5	163.0	56	39.0	1.4	2.9	0.0	1.3
Bannu	40.4	43.0	187.9	49	11.0	1.3	3.7	0.6	6.9
Barkhan	38.1	41.5	187.8	50	49.0	0.4	5.3	0.0	1.4
Bunji	35.5	37.8	170.1	41	0.0	3.7	5.7	0.3	0.6
Cherat	33.8	36.0	161.0	51	5.0	3.1	4.7	2.6	2.9
Chhor	41.1	43.7	207.2	55	0.0	3.9	1.7	2.6	4.3
Chilas	40.7	42.4	202.1	24	0.0	0.9	3.4	1.7	2.6
Chitral	35.3	37.0	157.5	37	0.0	0.0	2.9	0.0	13.4
D.I.Khan	41.1	44.0	206.3	55	3.0	1.7	1.7	1.1	3.4
Dalbandin	42.9	44.5	190.0	13	0.0	0.0	0.4	0.9	3.7
DG.Khan	41.3	43.0	214.1	59	0.1	1.4	4.7	4.3	7.7
Dir	32.3	34.5	132.0	67	24.0	1.7	4.4	0.0	1.9
Drosh	36.0	38.0	159.7	35	3.8	2.0	3.4	0.0	14.7
Faisalabad	39.9	43.5	203.4	55	14.0	2.7	0.4	2.0	1.6
Garidopatta	38.2	40.0	174.9	60	37.0	2.7	1.4	0.0	0.9
Gawader	35.3	36.0	183.5	73	0.0	2.3	1.3	0.0	10.3
Gilgit	35.6	37.5	150.5	37	1.2	2.6	4.9	0.0	3.4
Gupis	29.9	32.5	128.8	34	0.0	1.7	5.3	2.3	4.6
Hyderabad	39.1	42.5	198.8	58	0.0	2.1	1.3	10.3	18.3

Islamabad	38.1	40.5	182.8	53	17.2	3.7	3.1	0.3	4.9
Jacobabad	44.8	48.5	229.3	43	0.0	0.9	0.0	1.1	2.6
Jhang	39.9	42.5	195.8	60	64.0	1.7	0.7	1.7	0.9
Jhelum	37.4	41.0	183.7	66	43.2	2.6	3.1	1.4	1.7
Jiwani	33.5	34.5	175.8	75	0.0	3.7	2.0	1.7	8.6
Kakul	33.6	35.0	150.1	57	6.0	3.4	2.1	0.0	0.6
Kalam	27.4	28.5	101.5	54	6.0	1.4	4.9	0.0	2.6
Kalat	32.0	34.0	134.0	27	0.0	0.6	2.1	0.0	1.7
Karachi	36.8	41.5	193.3	65	0.0	5.3	3.4	7.4	9.7
Khanpur	42.5	45.0	218.6	55	0.0	3.0	2.3	0.9	3.1
Khuzdar	39.4	41.5	172.0	24	0.0	0.7	3.3	0.0	3.4
Kotli	36.9	38.6	178.2	60	24.0	4.0	3.1	1.6	1.3
Lahore	36.7	41.0	189.1	59	51.0	2.1	2.4	2.9	1.4
Larkana	43.9	47.0	224.5	46	0.0	2.0	1.0	3.7	4.3
Lasbella	41.8	43.5	211.0	55	0.0	3.3	2.0	0.0	6.9
Lower Dir	39.3	41.5	192.8	49	10.0	0.9	3.4	2.0	3.4
M.B Din	37.2	41.0	184.2	68	90.0	2.7	3.9	2.6	1.1
Malam Jabba	24.0	26.0	101.0	71	42.0	1.1	5.6	0.0	0.9
Mangla	37.3	40.5	185.1	58	53.5	3.7	3.6	3.1	4.6
Mir Khani	35.8	37.0	157.8	41	13.4	2.1	3.3	0.0	3.1
Moinjodaro	43.7	46.5	214.3	44	0.0	1.4	1.4	4.6	4.3
Multan	42.3	44.3	223.1	44	0.0	1.3	3.4	7.1	7.1
Murree	25.7	27.2	114.8	67	23.6	2.7	2.1	1.7	1.4
Muzaffarabad	37.3	39.4	167.9	56	14.1	1.1	2.3	0.3	1.3
Nawabshah	42.9	46.5	218.8	51	0.0	4.0	1.7	6.6	10.9
Nokkundi	41.1	44.0	204.0	11	0.0	0.0	0.0	7.0	7.1

Okara	41.4	45.0	213.8	51	0.0	2.4	0.7	2.9	2.3
Padidan	42.6	46.0	215.3	55	0.0	3.0	0.7	2.3	4.0
Panjgur	39.2	40.0	183.5	22	0.0	0.3	0.0	1.4	12.0
Parachinar	31.5	32.5	154.1	74	97.0	3.6	4.4	3.0	3.0
Pasni	34.1	36.5	179.0	80	0.0	3.4	0.6	2.6	13.1
Pattan	37.7	39.0	170.5	60	0.0	1.2	3.7	0.0	0.0
Peshawar	40.4	42.0	199.1	58	0.0	0.9	5.9	2.0	2.6
Quetta	34.5	35.8	161.2	27	12.5	2.4	3.4	1.7	3.3
R.Y.Khan	44.6	47.6	228.1	48	0.0	3.1	1.9	2.3	3.4
Rawalakot	29.6	31.4	122.4	71	51.6	3.7	1.7	0.6	2.3
Rawalpindi	38.5	41.5	187.9	56	30.0	3.8	1.7	0.4	1.1
Sahiwal	40.9	43.0	206.8	50	0.0	2.9	1.1	2.9	2.0
Saidu Sharif	37.0	38.5	174.2	52	0.0	1.0	5.4	0.0	5.1
Sialkot	36.3	40.2	178.4	64	82.6	4.6	3.3	4.6	1.1
Sibbi	45.9	50.0	211.5	43	0.0	2.9	2.9	2.3	3.4
Skardu	32.1	34.1	131.4	28	0.1	3.6	5.0	1.6	3.4
Tandojam	38.8	41.0	192.8	65	0.0	1.4	0.7	1.6	2.9
Usta.M	45.2	47.5	224.9	51	0.0	0.1	0.1	3.0	5.0
Zhob	38.5	40.0	172.8	41	0.0	1.1	1.7	4.3	8.1

*** Shows that data was not available.