

Weekly Weather and Crop Bulletin for Pakistan

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

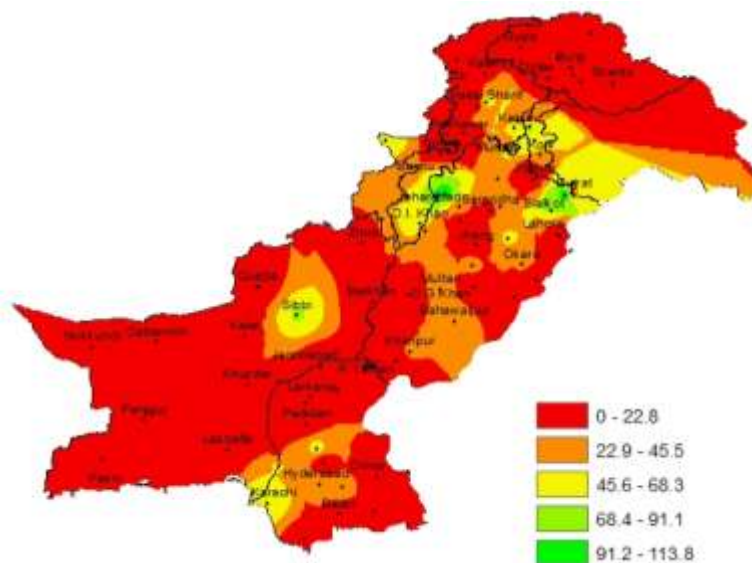
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**Rainfall Distribution (mm) during the
Previous Week (from 27th June to 3rd July, 2016)**

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Highlights of Past Weather (from 27th June to 3rd July, 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:

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

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

Chief Editor:

Editor: Asma Jawad Hashmi (Deputy Director)

Past Weather of Provinces (from 27th June to 3rd July, 2016)

Punjab

Moderate to heavy rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 38.6°C & 28.0°C respectively. For the present season average 197.7 growing degree days accumulated by the end of last week. Average relative humidity recorded 61% and wind speed in the morning/evening recorded 2.1/4.1Knots. During the previous week the highest amount of rainfall was recorded 117.2mm at Sialkot & highest maximum temperature recorded 47.0°C at Bhakkar.

Sindh

Light to moderate rainfall reported at many places in Sindh during the week. Weekly maximum and minimum temperatures recorded 40.2°C & 28.2°C respectively. For the present season average 204.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 60% and wind speed in the morning/evening recorded 3.3/5.3 Knots. During the previous week the highest amount of rainfall was recorded 65.5mm at Karachi & highest maximum temperature recorded 45.0°C at Dadu.

Khyber Pakhtunkhwa

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 36.5°C & 22.6°C respectively. For the present season average 172.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 59% and wind speed in the morning/evening recorded 0.8/5.2Knots. During the previous week the highest amount of rainfall was recorded 65.0mm at Malam Jabba & the highest maximum temperature recorded 44.5°C at D.I.Khan.

Balochistan

Light to moderate rainfall reported at many places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 38.2°C & 25.2°C respectively. For the present season average 188.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 54% and wind speed in the morning/evening recorded 1.3/6.8 Knots. During the previous week the highest amount of rainfall was recorded 70.7mm at Sibbi & highest maximum temperature was recorded 47.5°C at Turbat.

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 35.2°C & 20.9°C respectively. For the present season average 160.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 49% and wind speed in the morning/evening recorded 1.1/2.2 Knots. During the previous week the highest amount of rainfall was recorded 80.0mm at Garhi Dopatta & highest maximum temperature recorded 45.0°C at Chilas.

Past Weather for Major Agricultural Plains
(from 27th June to 3rd July, 2016)

Rawalpindi (Potohar region)

Rainfall reported as 52.0mm during the week; however cloudiness in the morning/evening recorded 4.4/5.4 Oktas while, average relative humidity observed as 61%. Mean day time temperature recorded 38.2°C & for the present season 191.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.4/1.7 Knots.

Faisalabad (Central Punjab)

Rainfall reported as 30.9mm during the week; however cloudiness in the morning/evening recorded 3.4/1.6 Oktas while, average relative humidity observed as 59%. Mean day time temperature recorded 38.6°C & for the present season 198.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/1.2Knots.

Tandojam (Lower Sindh)

Rainfall reported as 9.0mm during the week; however cloudiness in the morning/evening recorded 2.3/6.0 Oktas while, average relative humidity observed as 70%. Mean day time temperature recorded 38.1°C & for the present season 191.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/2.4 Knots.

Quetta (Northern Baluchistan)

Rainfall reported as 30.2mm during the week however cloudiness in the morning/evening recorded 2.9/4.4 Oktas while, average relative humidity observed as 40%. Mean day time temperature recorded 34.4°C & for the present season 160.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.5/3.1 Knots.

Usta Muhammad (Eastern Balochistan)

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 3.7/2.6 Oktas while, average relative humidity observed as 48%. Mean day time temperature recorded 43.0°C & for the present season 219.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.4/6.3 Knots.

Past Weather for Sub-Regional Agricultural Plains (from 27th June to 3rd July, 2016)

Multan

Rainfall reported as 34.0mm during the week; however cloudiness in the morning/evening recorded 4.0/1.3 Oktas while, average relative humidity observed as 52%. Mean day time temperature recorded 40.7°C & for the present season 215.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.4/9.1 Knots.

Lahore

Rainfall reported as 22.0mm during the week; however cloudiness in the morning/evening recorded 4.0/5.1 Oktas while, average relative humidity observed as 61%. Mean day time temperature recorded 37.0°C & for the present season 191.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/1.1Knots.

Zhob

Rainfall reported as 7.0mm during the week; however cloudiness in the morning/evening recorded 1.9/4.4 Oktas while, average relative humidity observed as 49%. Mean day time temperature recorded 37.6°C & for the present season 175.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.3/7.6 Knots.

D.I. Khan

Rainfall reported as 64.1mm during the week; however cloudiness in the morning/evening recorded 2.3/2.7 Oktas while, average relative humidity observed as 59%. Mean day time temperature recorded 40.8°C & for the present season 204.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/1.4 Knots.

Peshawar

Rainfall reported as 1.2mm during the week; however cloudiness in the morning/evening recorded 4.1/4.9 Oktas while, average relative humidity observed as 62%. Mean day time temperature recorded 39.9°C & for the present season 203.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/4.6 Knots.

Murree

Rainfall reported as 48.5mm during the week; however cloudiness in the morning/evening recorded 3.0/6.1 Oktas while, average relative humidity observed as 79%. Mean day time temperature recorded 25.6°C & for the present season 111.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/1.4 Knots.

Kalam

Rainfall reported as 18.5mm during the week; however cloudiness in the morning/evening recorded 1.0/4.4 Oktas while, average relative humidity observed as 55%. Mean day time temperature recorded 28.8°C & for the present season 109.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.4 Knots.

Gilgit

Rainfall reported as 1.0mm during the week; however cloudiness in the morning/evening recorded 3.6/5.0 Oktas while, average relative humidity observed as 38%. Mean day time temperature recorded 38.2°C & for the present season 170.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/2.9 Knots.

Skardu

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.0/6.0 Oktas while, average relative humidity observed as 29%. Mean day time temperature recorded 34.0°C & for the present season 144.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/3.0 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: Very Good 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)

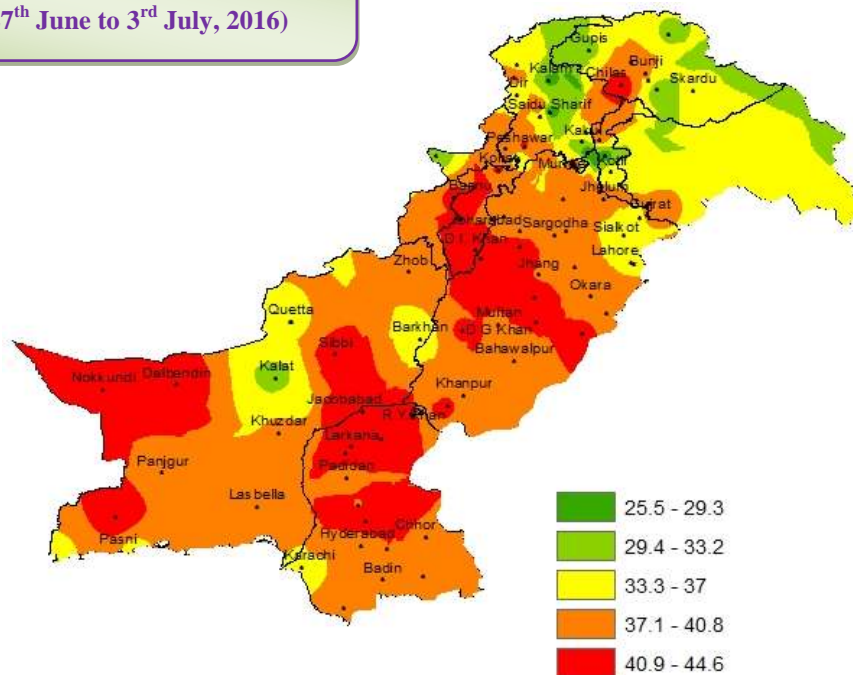
There is presently no crop grown in the fields of RAMC Quetta.

Eastern Balochistan (Usta Muhammad)

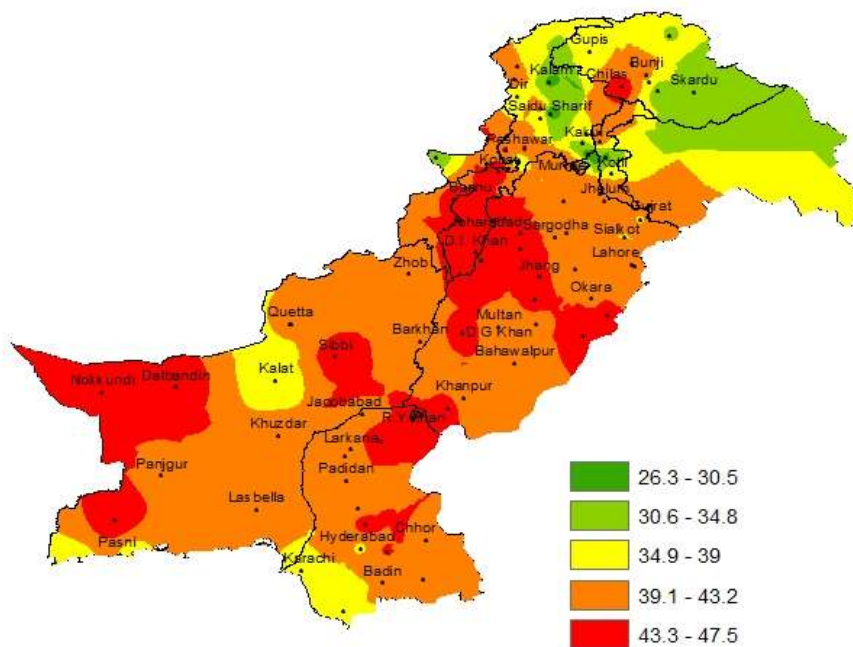
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Rice: Good condition at *Paniri* stage.

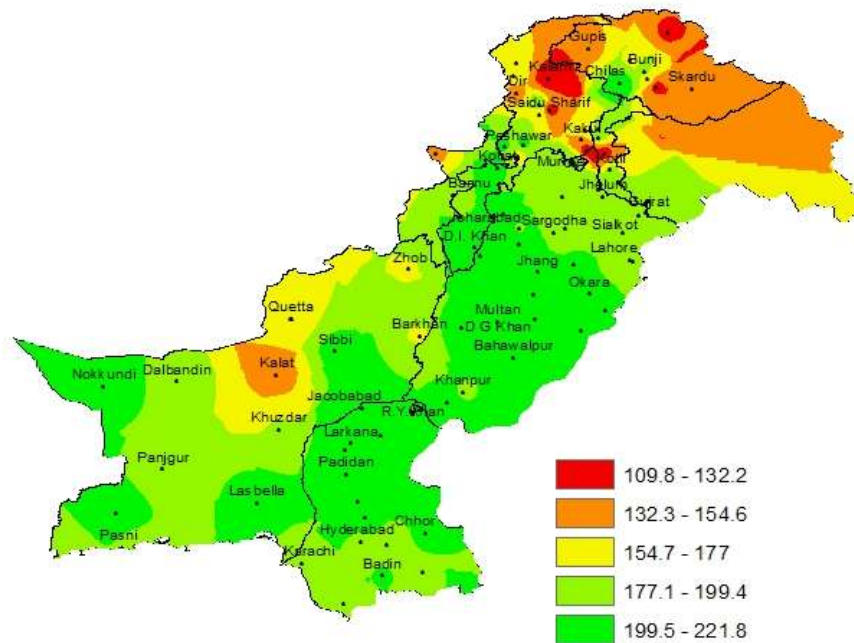
Mean Maximum Temperature (°C) during the Previous week (from 27th June to 3rd July, 2016)



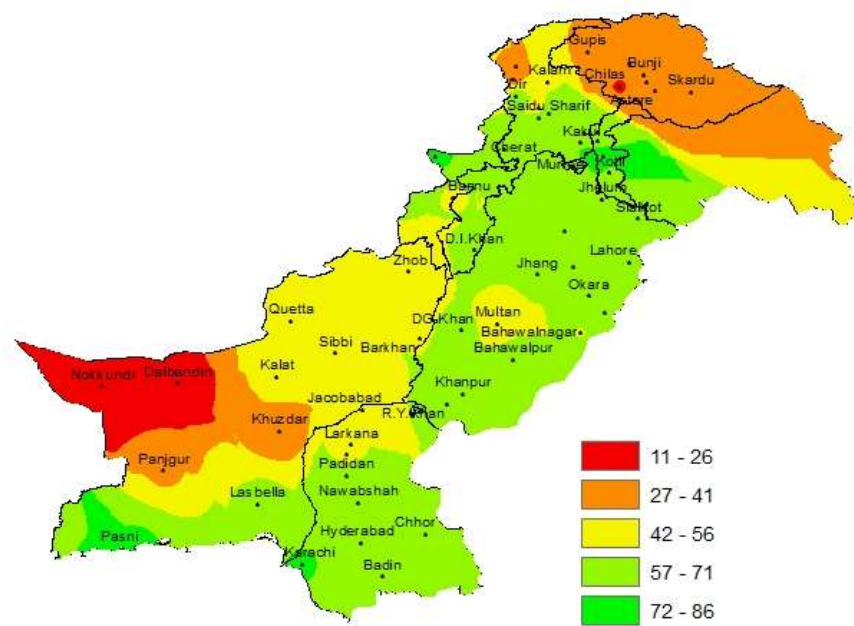
Highest Maximum Temperature (°C) during the Previous week (from 27th June to 3rd July, 2016)



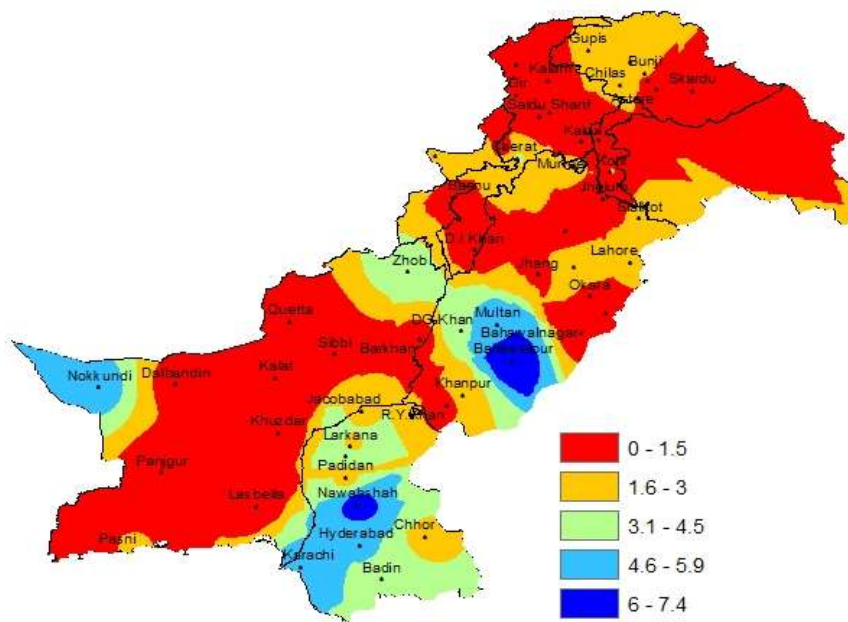
Total Growing Degree Days accumulated during the Previous week (from 27th June to 3rd July, 2016)



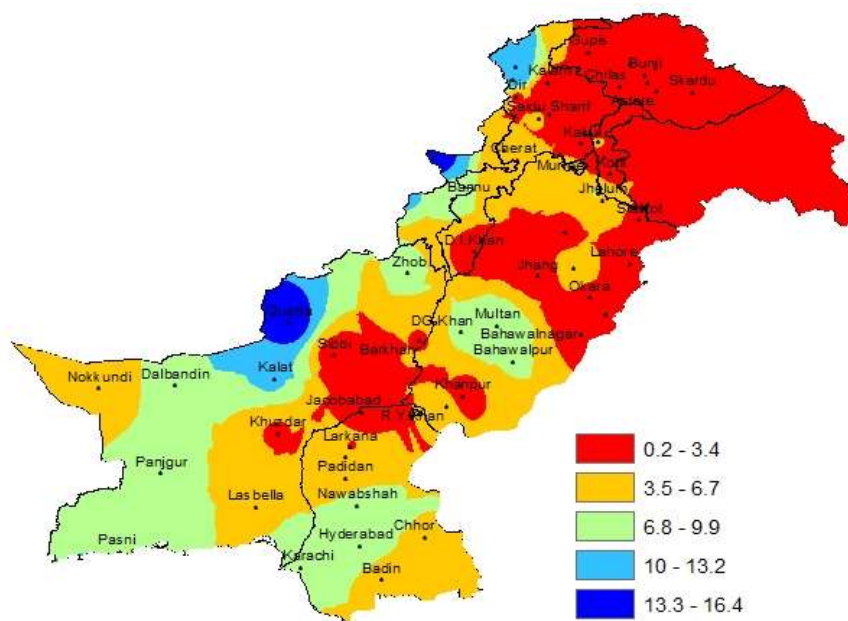
Mean Relative Humidity (%) during the Previous week (from 27th June to 3rd July, 2016)



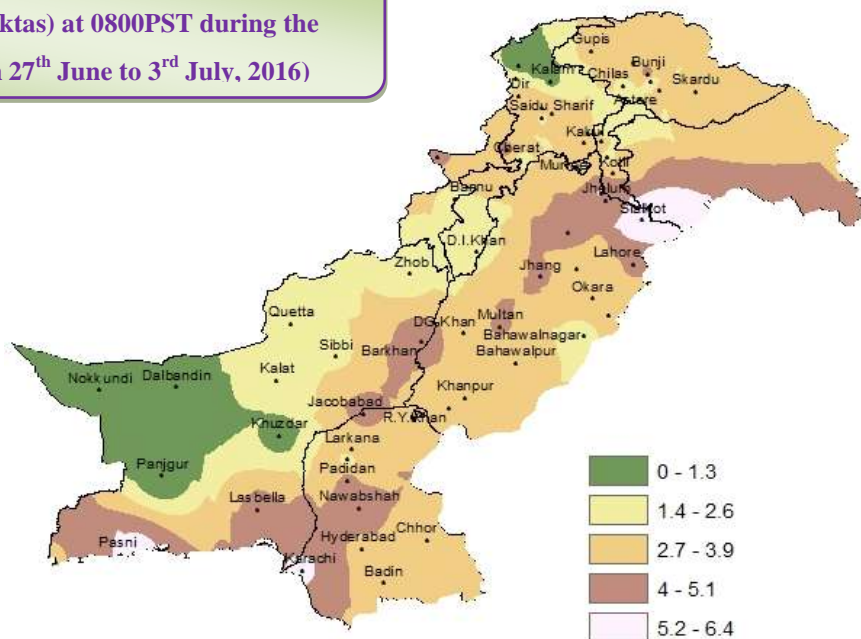
Mean Wind Speed (Knots) at 0300 PST during the Previous week (from 27th June to 3rd July, 2016)



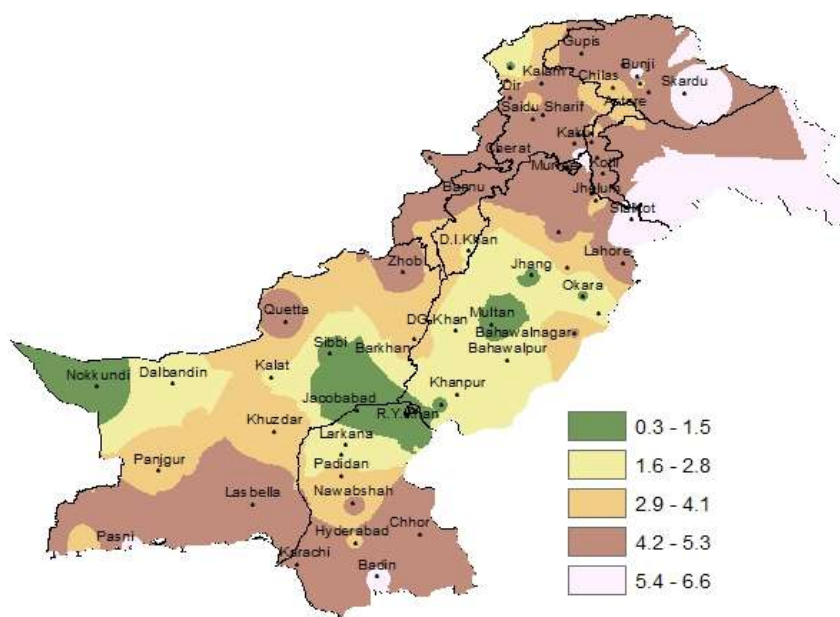
Mean Wind Speed (Knots) at 1200 PST during the Previous week (from 27th June to 3rd July, 2016)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 27th June to 3rd July, 2016)



Mean Cloudiness (Oktas) at 1200 PST during the Previous week (from 27th June to 3rd July, 2016)



Weekly Weather Advisory for Farmers**(from 4th to 9th July, 2016)**

Heat low lies over North Balochistan with its trough extending southeastwards. Monsoon currents are penetrating in central and upper parts of the country. Westerly wave is affecting upper parts of the country and likely to persist till Thursday. Under the influence of these meteorological conditions weather will remain as follows:

MONDAY**04-07-2016**

Rain/dust-thundershowers with isolated heavy falls accompanied by windstorm are expected in scattered places in Islamabad, upper Punjab (Rawalpindi, Gujranwala, Lahore, Sargodha, Faisalabad divisions), upper KP (Malakand, Hazara, Peshawar, Mardan, Kohat divisions), Kashmir (Muzaffarabad, Mirpur, Poonch divisions), FATA (Kurrum, Bajaur, Mohmand, Khyber, Orakzai, North & South Waziristan Agencies), while at isolated places in Multan, D.G. Khan, Bannu, D.I Khan divisions and Gilgit-Baltistan.

TUESDAY**05-07-2016**

Rain/dust-thundershowers with isolated heavy falls accompanied by windstorm are expected in scattered places in Islamabad, upper Punjab (Rawalpindi, Gujranwala, Lahore, Sargodha, Faisalabad divisions), upper KP (Malakand, Hazara, Peshawar, Mardan, Kohat divisions), Kashmir (Muzaffarabad, Mirpur, Poonch divisions), FATA (Kurrum, Bajaur, Mohmand, Khyber, Orakzai, North & South Waziristan Agencies), while at isolated places in D.G. Khan, Bannu, D.I Khan divisions and Gilgit-Baltistan.

WEDNESDAY**06-07-2016**

Rain/dust-thundershowers with isolated heavy falls accompanied by windstorm are expected in scattered places in Islamabad, upper Punjab (Rawalpindi, Gujranwala, Lahore, Sargodha, Faisalabad divisions), upper KP (Malakand, Hazara, Peshawar, Mardan, Kohat divisions), Kashmir (Muzaffarabad, Mirpur, Poonch divisions), FATA (Kurrum, Bajaur, Mohmand, Khyber, Orakzai, North & South Waziristan Agencies), while at

isolated places in D.G. Khan, Bannu, D.I Khan divisions and Gilgit-Baltistan.

THURSDAY**07-07-2016**

Widespread rain/dust-thundershowers with isolated heavy falls accompanied by windstorm are expected in Islamabad, upper Punjab (Rawalpindi, Gujranwala, Lahore, Sargodha, Faisalabad, Sahiwal divisions), KP (Malakand, Hazara, Peshawar, Mardan, Kohat, Bannu, D.I.Khan divisions), Kashmir (Muzaffarabad, Mirpur, Poonch divisions), northeast Balochistan (Quetta, Zhob, Sibbi, Nasirabad divisions), FATA (Kurrum, Bajaur, Mohmand, Khyber, Orakzai, North & South Waziristan Agencies) while at scattered places in south Punjab (Multan, D.G. Khan, Bahawalpur divisions), Sukkur, Mirpurkhas, Hyderabad divisions and at isolated places in Gilgit-Baltistan.

FRIDAY**08-07-2016**

Scattered Rain/Dust-thundershowers with isolated heavy falls accompanied by windstorm are expected in Kashmir, Islamabad, upper Punjab, KP and FATA, while at isolated places in Zhob, Sibbi, Kallat, D.G.khan, Multan, Mirpurkhas, Hyderabad, Karachi divisions and Gilgit-Baltistan.

SATURDAY**09-07-2016**

Mainly hot and humid weather is expected over most parts of the country, However rain-thunderstorm with windstorm is likely at scattered places in Mirpurkhas, Hyderabad, Bahawalpur divisions while at isolated places in Lahore, Gujranwala, Rawalpindi, Hazara, Peshawar divisions, upper Fata, Islamabad and Kashmir.

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 27th June to 3rd July, 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	29.8	31.0	120.2	39	0.0	2.9	4.7	0.6	1.1
Badin	38.1	39.0	201.7	65	9.5	3.3	5.4	3.7	4.6
Bahawalnagar	41.4	44.5	214.4	56	10.1	2.3	4.1	0.3	2.3
Bahawalpur	39.7	41.6	203.8	59	38.0	2.6	1.7	7.4	6.9
Balakot	36.0	37.5	161.9	62	31.0	3.4	4.1	0.0	0.4
Bannu	41.5	44.4	193.9	54	32.1	2.3	4.4	1.1	7.4
Barkhan	35.0	40.0	174.8	56	1.1	4.6	3.1	0.6	3.1
Bunji	37.7	40.0	185.7	31	0.0	4.4	6.0	2.3	1.7
Cherat	34.0	36.0	162.7	58	14.0	2.3	4.6	3.1	4.6
Chhor	40.4	42.5	207.0	63	4.0	2.7	4.9	2.6	6.0
Chilas	42.7	45.0	216.6	25	0.0	2.3	3.3	2.9	2.0
Chitral	36.6	39.0	165.8	40	0.0	0.6	1.3	0.3	13.1
D.I.Khan	40.8	44.5	204.7	59	64.1	2.3	2.7	0.6	1.4
Dalbandin	43.6	45.5	191.9	16	0.1	0.9	2.4	0.9	8.1
DG.Khan	41.2	44.5	219.3	58	0.1	3.1	2.3	4.3	7.1
Dir	34.8	37.0	141.3	63	23.0	3.1	4.9	0.0	2.4
Drosh	38.1	40.8	174.7	34	0.5	1.9	3.4	0.0	13.1
Faisalabad	38.6	42.5	198.7	59	30.9	3.4	1.6	1.7	1.2
Garidopatta	38.9	40.3	182.4	59	80.0	3.3	4.7	0.0	4.9
Gawader	37.0	38.0	195.0	72	0.0	4.3	3.0	0.0	10.0
Gilgit	38.2	39.5	170.0	38	1.0	3.6	5.0	1.7	2.9
Gupis	32.3	35.5	138.3	37	1.0	2.9	4.4	2.0	2.6
Hyderabad	37.9	38.5	194.9	66	34.0	3.7	4.0	4.6	9.7

Islamabad	37.6	41.0	188.5	55	34.1	2.7	4.1	2.6	5.4
Jacobabad	42.1	43.0	220.6	50	0.0	4.1	0.3	2.9	2.6
Jhang	40.6	43.5	204.8	57	3.0	4.0	1.4	1.1	1.1
Jhelum	38.0	40.7	198.5	64	20.1	3.9	3.6	0.6	3.7
Jiwani	35.3	37.5	185.9	68	0.0	3.6	5.4	1.4	7.7
Kakul	32.6	34.0	151.1	63	50.3	3.4	4.6	0.0	1.4
Kalam	28.8	30.0	109.8	55	18.5	1.0	4.4	0.0	1.4
Kalat	32.3	36.0	140.2	48	12.0	1.7	2.7	0.0	10.6
Karachi	36.4	38.0	191.5	72	65.5	5.3	4.9	5.4	8.0
Khanpur	38.6	41.5	197.4	62	28.0	3.0	2.3	2.6	2.3
Khuzdar	37.4	40.5	178.1	30	20.0	1.0	3.6	0.0	2.9
Kotli	35.7	38.6	182.2	69	42.0	3.7	5.3	1.6	1.7
Lahore	37.0	39.5	191.9	61	22.0	4.0	5.1	2.0	1.1
Larkana	41.5	43.2	209.6	56	10.0	3.7	2.3	2.6	3.1
Lasbella	40.6	42.2	210.4	62	0.0	4.1	5.3	0.6	5.7
Lower Dir	40.3	41.5	197.4	50	0.0	3.9	3.1	1.4	3.1
M.B Din	37.8	42.0	194.7	61	35.3	4.4	4.4	0.6	2.3
Malam Jabba	25.3	26.0	110.2	67	65.0	2.9	4.9	0.0	1.4
Mangla	37.0	40.5	194.1	62	3.2	5.4	4.7	0.0	7.7
Mir Khani	37.2	39.0	170.0	37	9.0	1.6	3.4	0.7	2.1
Moinjodaro	41.8	43.0	214.3	52	0.0	2.0	2.3	4.3	5.7
Multan	40.7	41.5	215.3	52	34.0	4.0	1.3	5.4	9.1
Murree	25.6	27.5	111.1	79	48.5	3.0	6.1	0.6	1.4
Muzaffarabad	37.2	39.0	173.6	68	54.0	2.9	4.9	0.0	3.1
Nawabshah	40.6	41.0	203.5	63	58.0	4.4	4.1	7.1	9.4
Nokkundi	42.8	45.0	215.9	11	0.0	0.0	0.7	5.4	4.3

Okara	39.4	43.0	201.1	61	25.1	2.9	1.4	1.1	2.3
Padidan	40.0	40.5	209.4	65	0.2	4.1	3.3	2.0	3.7
Panjgur	39.0	42.0	180.6	38	7.0	0.3	3.8	0.0	8.7
Parachinar	30.7	32.7	149.1	75	61.0	4.0	4.1	2.9	16.3
Pasni	35.9	37.5	190.0	75	0.0	5.7	5.4	1.7	7.4
Pattan	39.1	41.0	187.2	56	6.0	1.3	3.4	0.0	0.0
Peshawar	39.9	43.5	203.2	62	1.2	4.1	4.9	1.1	4.6
Quetta	34.4	37.0	160.9	40	30.2	2.9	4.4	2.5	3.1
R.Y.Khan	41.3	44.2	208.0	58	0.1	2.7	1.4	0.9	4.3
Rawalakot	27.9	29.8	120.0	87	66.0	2.3	4.7	0.0	1.1
Rawalpindi	38.2	41.0	191.6	61	52.0	4.4	5.4	0.4	1.7
Sahiwal	39.7	43.5	201.7	62	13.3	3.3	2.7	0.9	2.6
Saidu Sharif	37.2	38.3	172.3	58	16.1	2.3	5.0	0.0	4.3
Sialkot	35.9	38.8	187.7	71	117.2	6.4	6.6	2.0	2.3
Sibbi	43.3	45.0	210.8	55	70.7	2.5	1.1	0.3	0.9
Skardu	34.0	34.7	144.3	29	0.0	3.0	6.0	1.4	3.0
Tandojam	38.1	39.0	191.8	70	9.0	2.3	6.0	0.9	2.4
Usta.M	43.0	44.0	219.0	48	0.1	3.7	2.6	3.4	6.3
Zhob	37.6	40.0	175.4	49	7.0	1.9	4.4	4.3	7.6

*** Shows that data was not available.