

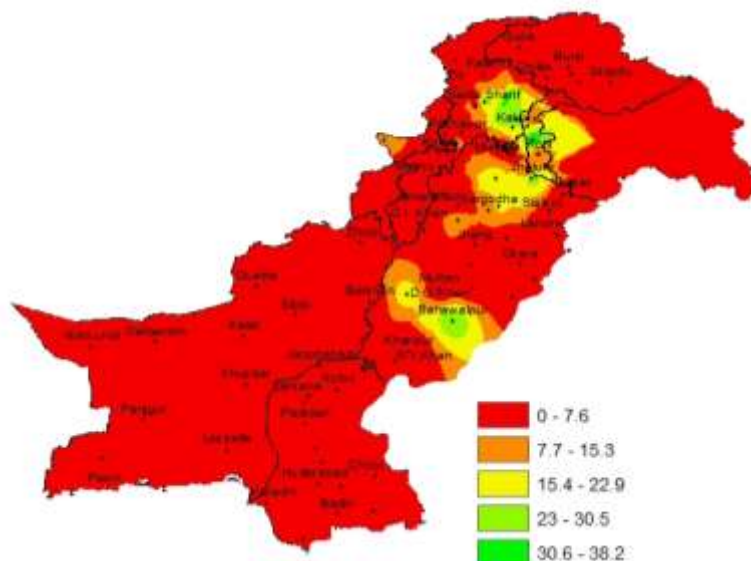
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the
Previous Week (from 6th to 12th June, 2016)**



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Highlights of Past Weather (from 6th to 12th 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.
- Light rainfall reported at isolated places in Balochistan.
- Dry weather was reported in Sindh.

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

Chief Editor: Ch. Muhammad Aslam (Director)

Editor: Asma Jawad Hashmi (Deputy Director)

Past Weather of Provinces (from 6th to 12th June, 2016)**Punjab**

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 41.8°C & 27.1°C respectively. For the present season average 206.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 45% and wind speed in the morning/evening recorded 2.7/3.7 Knots. During the previous week the highest amount of rainfall was recorded 30.3mm at Jhelum & highest maximum temperature recorded 49.2°C at R.Y.Khan.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 43.0°C & 28.0°C respectively. For the present season average 212.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 51% and wind speed in the morning/evening recorded 9.4/9.2 Knots. During the previous week the highest maximum temperature recorded 50.5°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 37.1°C & 21.5°C respectively. For the present season average 170.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 48% and wind speed in the morning/evening recorded 0.7/3.7Knots. During the previous week the highest amount of rainfall was recorded 31.0mm at Balakot & the highest maximum temperature recorded 46.0°C at D.I.Khan.

Balochistan

Light rainfall reported at isolated places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 40.1°C & 24.8°C respectively. For the present season average 193.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 40% and wind speed in the morning/evening recorded 1.7/7.3 Knots. During the previous week the highest amount of rainfall was recorded 1.0mm at Barkhan & highest maximum temperature recorded 52.0°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 33.0°C & 17.7°C respectively. For the present season average 145.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 46% and wind speed in the morning/evening recorded 1.4/2.9 Knots. During the previous week the highest amount of rainfall was recorded 38.6mm at Rawalakot & highest maximum temperature recorded 40.0°C at Garhi Dopatta.

**Past Weather for Major Agricultural Plains
(from 6th to 12th June, 2016)**

Rawalpindi (Potohar region)

Rainfall reported as 4.0mm during the week; however cloudiness in the morning/evening recorded 1.7/1.7 Oktas while, average relative humidity observed as 44%. Mean day time temperature recorded 39.7°C & for the present season 192.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.1/0.4 Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.0/0.0 Oktas while, average relative humidity observed as 43%. Mean day time temperature recorded 42.4°C & for the present season 213.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.2/0.9 Knots.

Tandojam (Lower Sindh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.6/0.6 Oktas while, average relative humidity observed as 54%. Mean day time temperature recorded 44.3°C & for the present season 209.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.5/6.0 Knots.

Quetta (Northern Baluchistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.4/2.6Oktas while, average relative humidity observed as 17%. Mean day time temperature recorded 34.9°C & for the present season 161.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/4.2 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.9/1.0 Oktas while, average relative humidity observed as 41%. Mean day time temperature recorded 47.1°C & for the present season 232.5growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.2/2.2 Knots.

**Past Weather for Sub-Regional Agricultural
Plains (from 6th to 12th June, 2016)**

Multan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.3/1.0 Oktas while, average relative humidity observed as 37%. Mean day time temperature recorded 43.1°C & for the present season 224.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 7.2/7.7 Knots.

Lahore

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 4.0/0.4Oktas while, average relative humidity observed as 42%. Mean day time temperature recorded 41.2°C & for the present season 204.8growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.8/5.4 Knots.

Zhob

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/3.2 Oktas while, average relative humidity observed as 36%. Mean day time temperature recorded 38.4°C & for the present season 184.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/11.2 Knots.

D.I. Khan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.8/0.9 Oktas while, average relative humidity observed as 44%. Mean day time temperature recorded 43.2°C & for the present season 213.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.1 Knots.

Peshawar

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.5/2.3 Oktas while, average relative humidity observed as 55%. Mean day time temperature recorded 41.0°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 1.2/3.1 Knots.

Murree

Rainfall reported as 18.0mm during the week; however cloudiness in the morning/evening recorded 3.3/2.3 Oktas while, average relative humidity observed as 60%. Mean day time temperature recorded 26.5°C & for the present season 117.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.4/3.6 Knots.

Kalam

Rainfall reported as 3.0mm during the week; however cloudiness in the morning/evening recorded 3.8/5.4 Oktas while, average relative humidity observed as 51%. Mean day time temperature recorded 26.9°C & for the present season 102.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.3 Knots.

Gilgit

Rainfall reported as 0.9mm during the week; however cloudiness in the morning/evening recorded 5.5/4.4 Oktas while, average relative humidity observed as 46%. Mean day time temperature recorded 34.3°C & for the present season 137.0 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 0.2mm during the week; however cloudiness in the morning/evening recorded 5.8/5.1 Oktas while, average relative humidity observed as 38%. Mean day time temperature recorded 30.7°C & for the present season 119.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/5.9 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 *Third leaf stage* completed.

Lower Sindh (Tandojam)

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

Cotton: Good condition at *Third Leaf* stage.

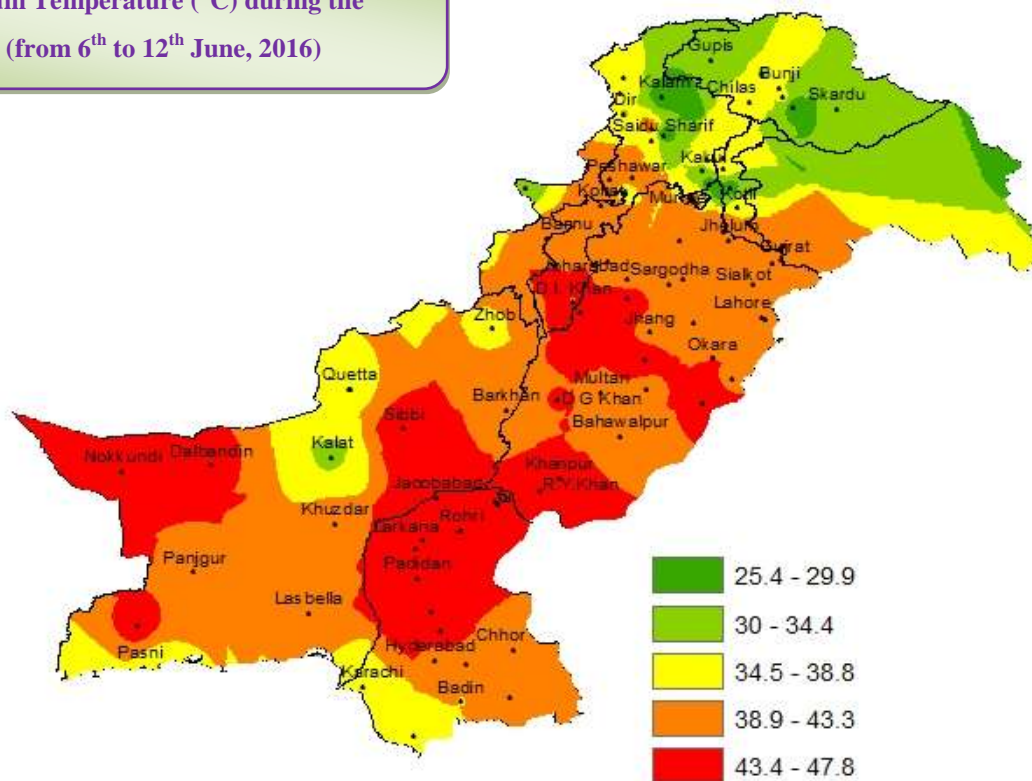
Northern Balochistan (Quetta)

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

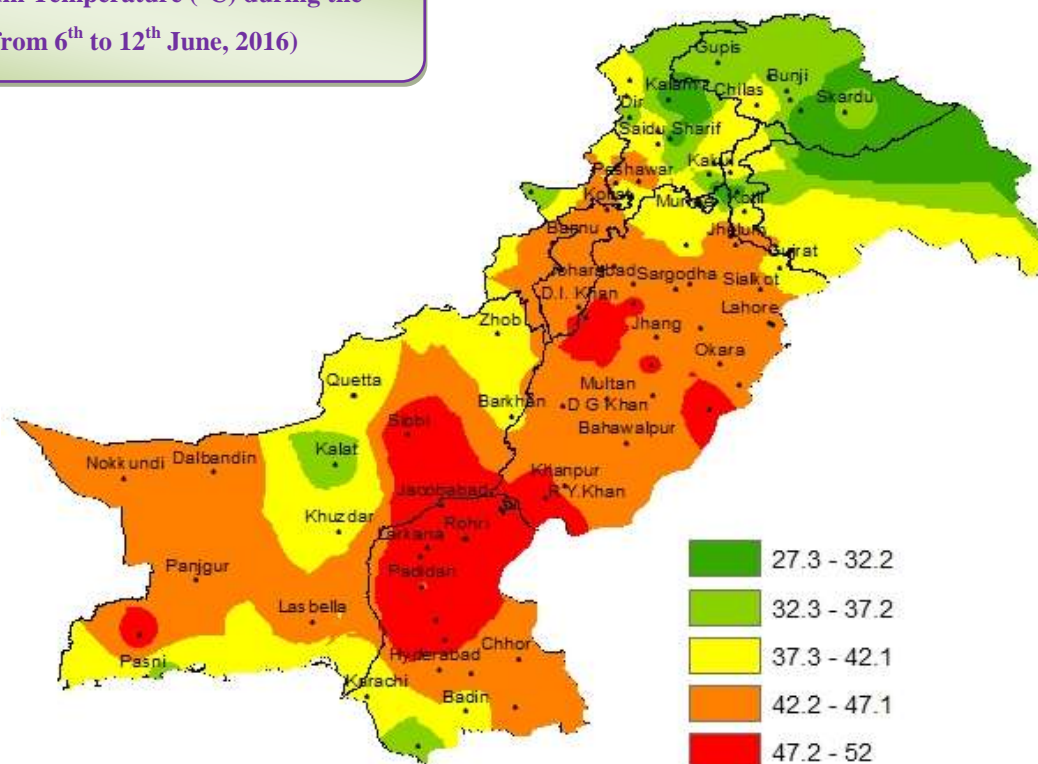
Eastern Balochistan (Usta Muhammad)

The fields of RAMC Usta Muhammad are being prepared for rice.

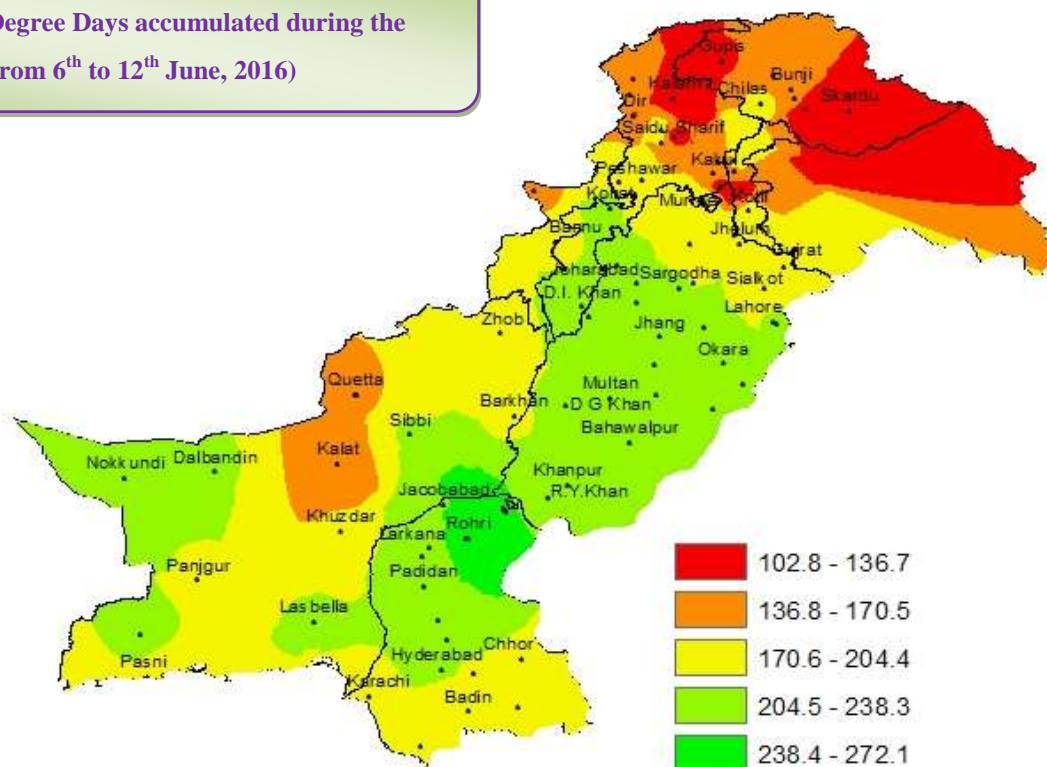
Mean Maximum Temperature (°C) during the Previous week (from 6th to 12th June, 2016)



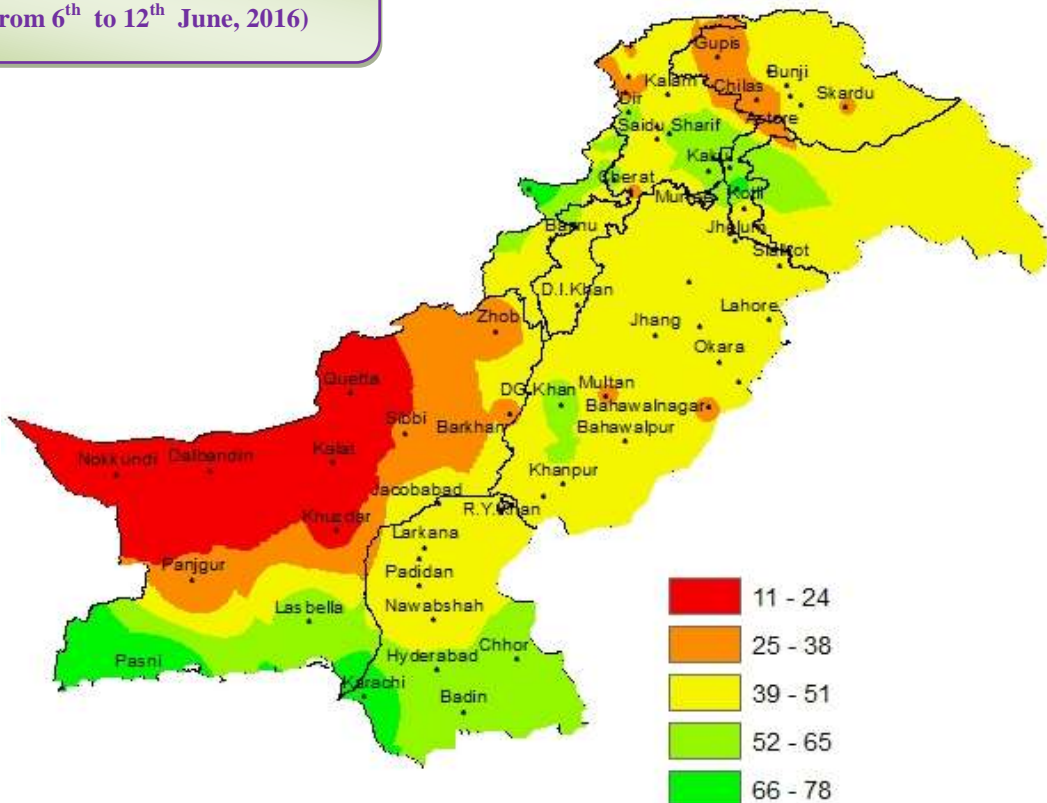
Highest Maximum Temperature (°C) during the Previous week (from 6th to 12th June, 2016)



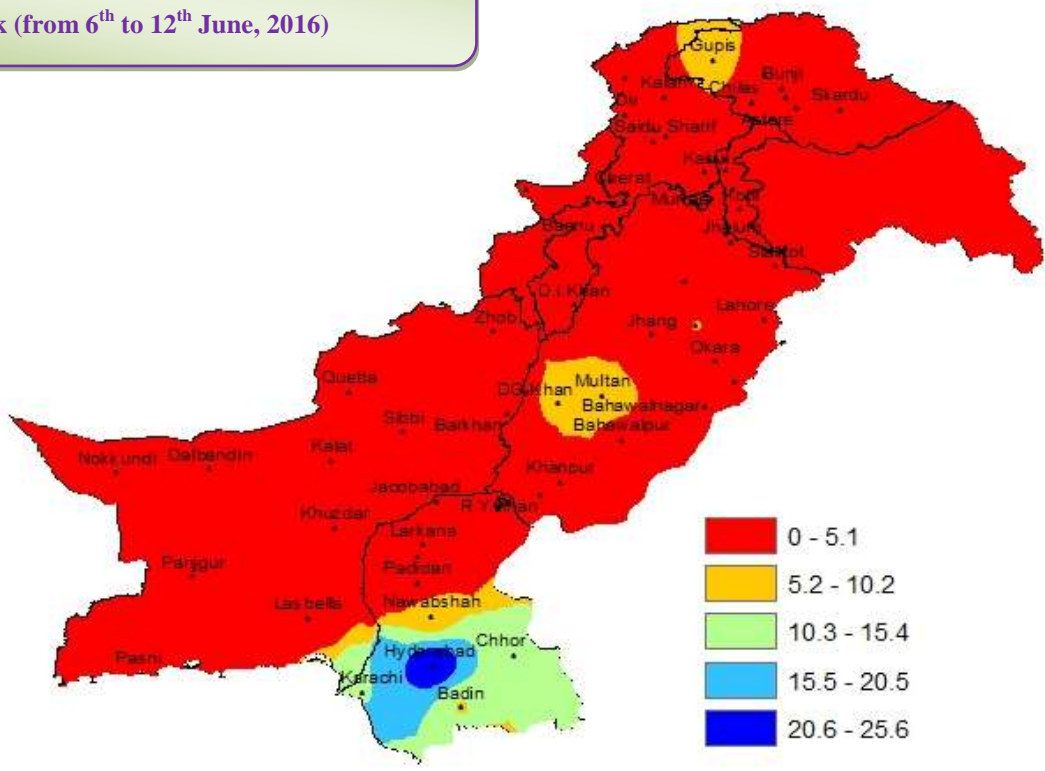
Total Growing Degree Days accumulated during the Previous week (from 6th to 12th June, 2016)



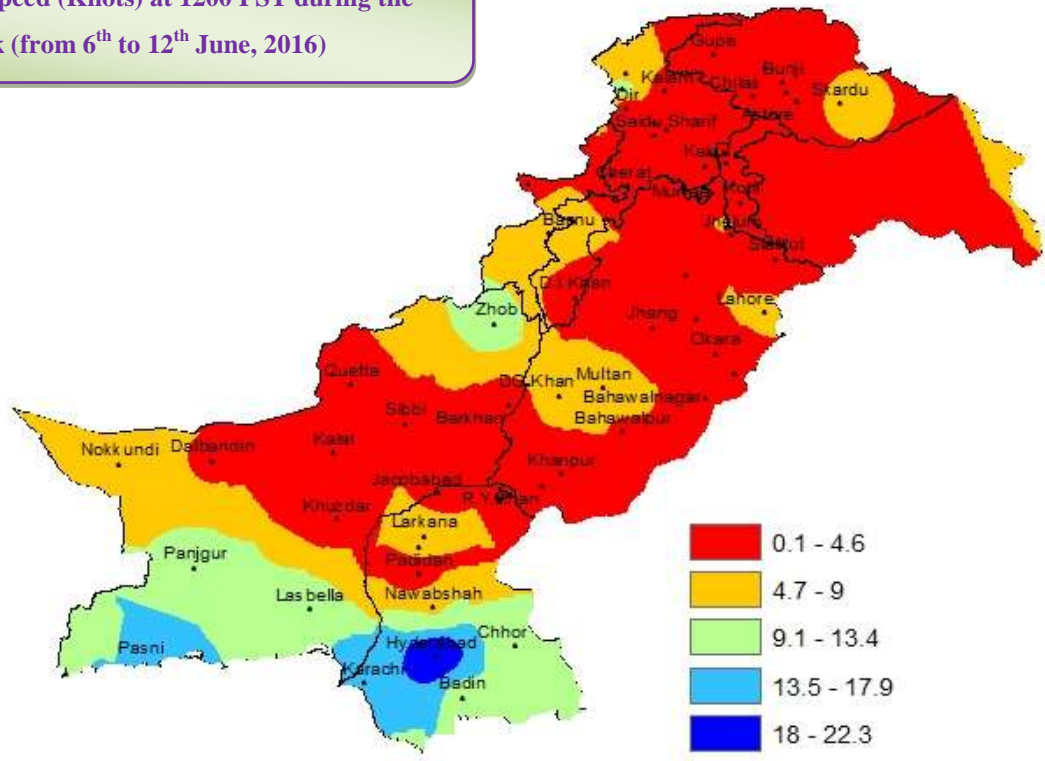
Mean Relative Humidity (%) during the Previous week (from 6th to 12th June, 2016)



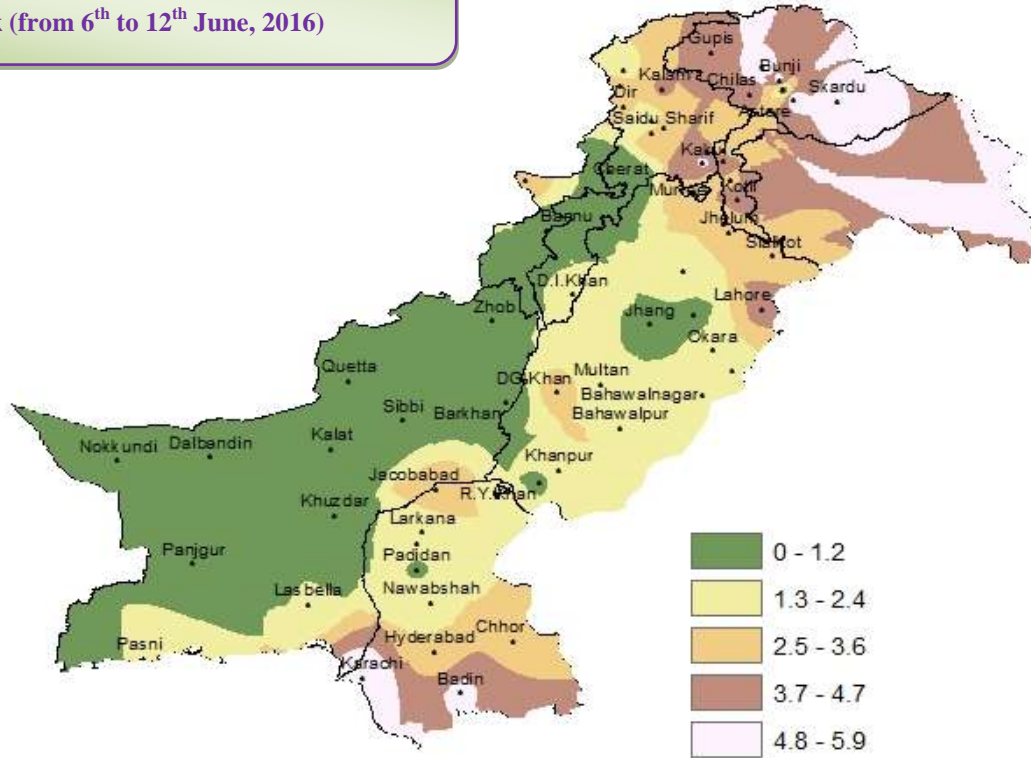
Mean Wind Speed (Knots) at 0300 PST during the Previous week (from 6th to 12th June, 2016)



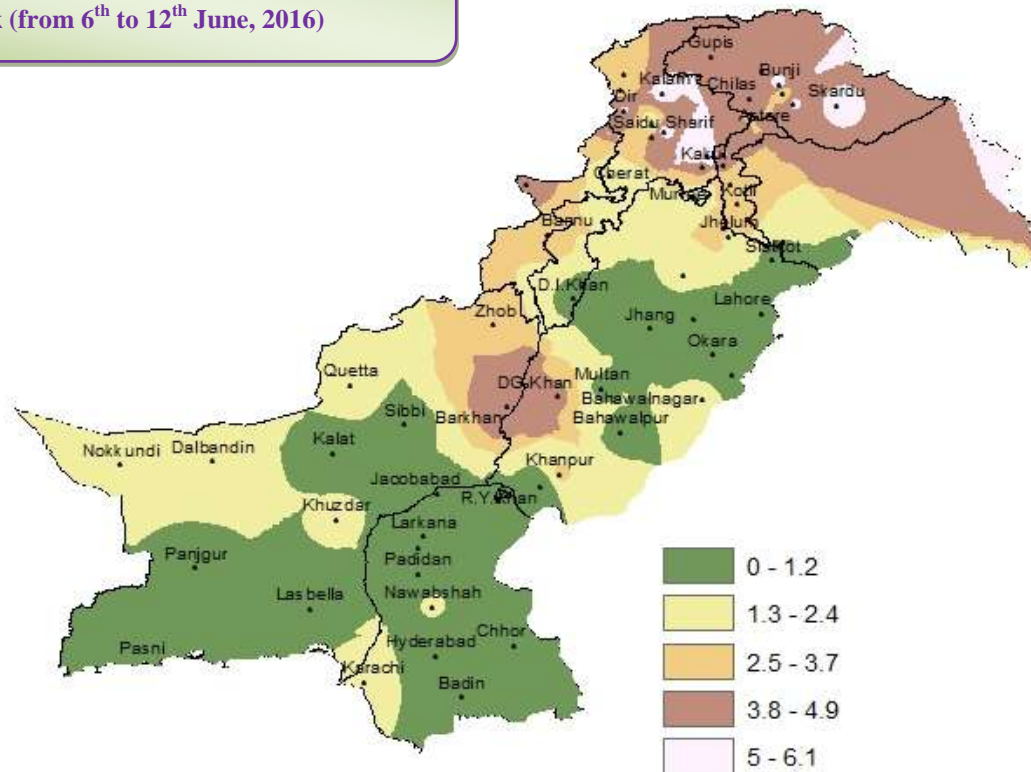
Mean Wind Speed (Knots) at 1200 PST during the Previous week (from 6th to 12th June, 2016)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 6th to 12th June, 2016)



Mean Cloudiness (Oktas) at 1200 PST during the Previous week (from 6th to 12th June, 2016)



Weekly Weather Advisory for Farmers**(from 13th to 18th June, 2016)**

Seasonal low lies over central Balochistan and its adjoining areas. Moderate moist currents from Arabian sea are penetrating in upper/eastern parts of the country and likely to continue during next 4 to 5 days and also some deflected monsoon currents from Bay of Bengal are likely to penetrate north-eastern parts of the country from Thursday evening/night. A shallow westerly wave is also affecting upper parts of the country and likely to persist during next 24 hours.

MONDAY**13-06-2016**

Mainly hot and humid weather is expected in most parts of the country. However, rain-thundershower with dust-storm/strong gusty winds is expected at isolated places in Hazara, Peshawar, Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad divisions, Islamabad, Baltistan and Kashmir.

TUESDAY**14-06-2016**

Mainly hot and humid weather is expected in most parts of the country. However, rain-thundershower with dust-storm/strong gusty winds is expected at isolated places in Hazara, Peshawar, Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad divisions, Islamabad, Baltistan and Kashmir.

WEDNESDAY**15-06-2016**

Mainly hot and humid weather is expected in most parts of the country. However, rain-thundershower with dust-storm/gusty winds is expected at isolated places in upper KP (Malakand, Hazara, Kohat, Peshawar, Mardan divisions), upper Punjab (Rawalpindi, Gujranwala, Lahore, Sargodha divisions) Islamabad and Kashmir.

THURSDAY**16-06-2016**

Rain-thundershower with dust-storm/strong gusty winds is expected at scattered places of Kashmir, Islamabad, upper Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad divisions), upper FATA, upper KP (Malakand, Hazara, Peshawar Kohat, Mardan divisions).

Dust-storm/Gusty winds with rain-thundershower are also expected at isolated places of D.I.Khan, Bannu, Zhob divisions and Gilgit-Baltistan. Hot and humid weather is expected elsewhere in the country. Few heavy falls are also expected in Malakand, Hazara, Gujranwala, Rawalpindi divisions, Islamabad and Kashmir during the period.

FRIDAY**17-06-2016**

Rain-thundershower with dust-storm/strong gusty winds is expected at scattered places of Kashmir, Islamabad, upper Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad divisions), upper FATA, upper KP (Malakand, Hazara, Peshawar Kohat, Mardan divisions). Dust-storm/Gusty winds with rain-thundershower are also expected at isolated places of D.I.Khan, Bannu divisions and Gilgit-Baltistan. Hot and humid weather is expected elsewhere in the country. Few heavy falls are also expected in Malakand, Hazara, Gujranwala, Rawalpindi divisions, Islamabad and Kashmir during the period.

SATURDAY**18-06-2016**

Mainly hot and humid weather is expected in most parts of the country. However, rain-thundershower with dust-storm/strong gusty winds is expected at isolated places in Rawalpindi, Sargodha, Gujranwala, Lahore, Hazara, Peshawar divisions, Islamabad, upper FATA, 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.
- ❖ Due to hot and dry weather expected during the week, farmers are advised to irrigate standing crops as per requirement.

National Weather Data of Selected Cities
(Weekly Data from 6th to 12th 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	26.4	27.5	103.5	42	0.4	6.0	5.1	0.8	2.9
Badin	38.8	40.0	195.5	61	0	5.0	0.0	10.0	11.4
Bahawalnagar	43.9	48.5	221.3	37	0.1	1.8	1.9	2.0	2.6
Bahawalpur	42.1	44.2	210.8	44	29	2.3	1.0	3.6	4.0
Balakot	36.1	40.0	167.6	53	31	4.3	6.1	0.4	2.3
Bannu	42.6	45.5	195.6	47	0	0.0	2.9	1.2	8.6
Barkhan	40.0	41.5	200.0	36	1	0.0	4.9	0.0	2.3
Bunji	34.5	36.7	154.5	38	1.5	5.3	5.7	1.5	2.9
Cherat	36.4	38.5	179.3	36	10	0.8	1.9	2.0	3.4
Chhor	40.7	44.5	201.7	58	0	3.3	0.1	10.8	10.3
Chilas	37.1	40.0	184.7	26	0.1	4.0	3.9	1.6	3.4
Chitral	36.7	38.0	149.1	40	0	1.8	2.7	0.0	4.9
D.I.Khan	43.2	46.0	213.1	44	0	1.8	0.9	0.0	1.1
Dalbandin	44.5	46.0	208.0	14	0	0.0	2.3	1.2	4.0
DG.Khan	43.5	45.9	215.0	58	19	3.0	3.9	6.4	7.1
Dir	34.1	36.0	135.0	58	0	2.5	5.0	0.0	2.0
Drosh	36.9	38.1	164.3	26	0	3.0	3.4	0.0	12.1
Faisalabad	42.4	45.0	213.7	43	0	1.0	0.0	2.2	0.9
Garidopatta	37.3	40.0	167.5	57	15.7	5.0	3.9	0.4	4.6
Gawader	37.0	38.0	194.8	65	0	0.8	0.9	4.4	13.7
Gilgit	34.3	36.5	137.0	46	0.9	5.5	4.4	0.0	2.6
Gupis	30.9	33.0	131.3	34	3	4.0	4.6	9.8	4.3

Hyderabad	41.7	45.5	205.8	55	0	2.5	0.0	25.6	22.3
Islamabad	39.3	41.0	184.4	38	6	3.0	1.9	1.2	3.7
Jacobabad	46.7	50.5	237.3	42	0	3.0	0.9	4.8	4.0
Jhang	42.7	45.5	208.5	42	0	1.0	0.3	1.2	0.6
Jhelum	41.9	45.0	203.0	43	30.3	2.8	2.1	0.0	2.0
Jiwani	35.4	38.0	184.7	70	0	0.0	0.4	2.0	9.7
Kakul	33.5	36.5	151.8	52	21	5.0	4.4	0.0	2.3
Kalam	26.9	30.0	102.8	51	3	3.8	5.4	0.0	2.3
Kalat	33.7	35.0	146.0	19	0	0.0	0.4	0.0	1.1
Karachi	36.0	38.2	189.4	71	0	5.8	2.4	15.2	14.3
Khanpur	43.4	46.0	216.2	51	0	2.3	2.7	2.4	1.1
Khuzdar	40.4	41.5	172.5	22	0	0.0	1.6	0.0	3.1
Kotli	37.6	39.4	184.4	45	7	4.5	2.4	1.2	2.1
Lahore	41.2	43.5	204.8	42	0.1	4.0	0.4	2.8	5.4
Larkana	46.6	48.5	228.1	49	0	2.0	0.4	2.4	5.4
Lasbella	41.3	42.5	208.7	59	0.1	1.3	0.0	0.0	11.1
Lower Dir	41.5	43.0	194.3	41	3	1.5	0.9	2.0	2.0
M.B Din	41.6	43.5	203.8	46	19	1.8	1.7	1.6	3.7
Malam Jabba	25.1	27.0	106.8	59	30	3.3	5.9	0.0	4.0
Mangla	41.0	42.5	200.3	41	5.4	2.5	3.1	1.2	5.7
Mir Khani	35.7	36.5	153.6	40	0	0.0	2.1	0.0	1.4
Moinjodaro	46.3	48.5	227.5	42	0	1.8	0.4	3.6	5.1
Multan	43.1	46.5	224.1	37	0	1.3	1.0	7.2	7.7
Murree	26.5	28.4	117.1	60	18	3.3	2.3	0.4	3.6
Muzaffarabad	35.7	38.8	159.5	60	34	3.5	5.0	0.0	2.3
Nawabshah	47.8	48.5	231.7	42	0	2.3	1.3	7.2	8.7

Nokkundi	44.9	45.5	238.3	11	0	0.8	1.7	3.6	6.6
Okara	43.3	46.5	215.4	42	0	1.5	0.3	3.6	3.1
Padidan	45.4	47.0	225.0	49	0	1.0	0.9	3.0	2.6
Panjgur	42.0	43.0	198.3	26	0	0.0	0.6	0.0	11.1
Parachinar	31.7	32.5	146.8	74	14	3.5	4.4	3.0	3.0
Pasni	35.0	35.5	182.0	78	0	2.3	0.6	2.4	15.1
Pattan	38.8	41.5	184.3	50	4	1.8	3.4	0.0	0.0
Peshawar	41.0	42.2	195.5	55	0	0.5	2.3	1.2	3.1
Quetta	34.9	36.0	161.6	17	0	1.4	2.6	1.7	4.2
R.Y.Khan	45.9	49.2	225.1	50	0	1.0	0.0	4.8	2.3
Rawalakot	28.1	31.0	113.7	71	38.6	3.3	3.1	0.0	1.4
Rawalpindi	39.7	41.5	192.3	44	4	1.7	1.7	0.1	0.4
Sahiwal	43.2	46.0	210.4	42	0	2.0	0.3	2.0	2.6
Saidu Sharif	37.9	39.7	174.5	47	5.5	2.5	3.9	0.0	2.9
Sialkot	40.1	41.8	199.1	43	5.6	3.3	0.9	0.8	2.0
Sibbi	47.5	52.0	210.3	25	0	0.0	0.7	0.8	3.3
Skardu	30.7	32.5	119.5	38	0.2	5.8	5.1	0.0	5.9
Tandojam	44.3	46.0	209.3	54	0	0.6	0.6	4.5	6.0
Usta.M	47.1	50.7	232.5	41	0	0.9	1.0	1.2	2.2
Zhob	38.4	39.0	184.8	36	0	0.0	3.2	5.0	11.2

*** Shows that data was not available.