

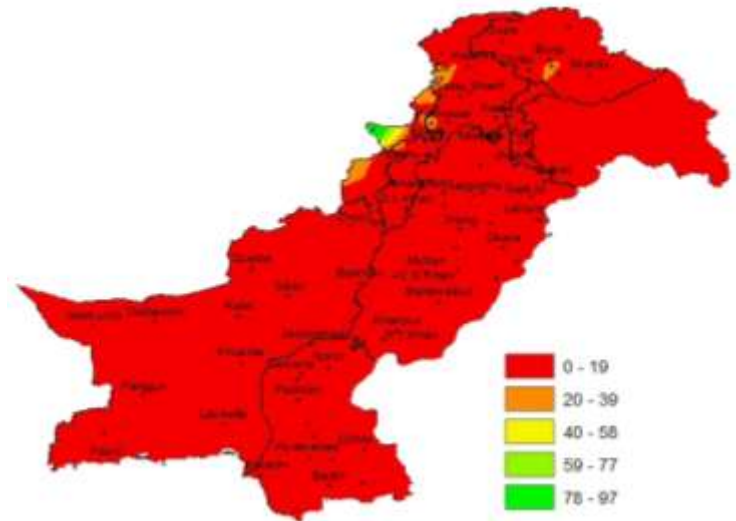
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the
Previous Week (from 30th May to 5th June, 2016)**



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Highlights of Past Weather (from 30th May to 5th 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 few 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 30th May to 5th June, 2016)**Punjab**

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 40.7°C & 26.2°C respectively. For the present season average 198.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 44% and wind speed in the morning/evening recorded 3.0/3.4 Knots. During the previous week the highest amount of rainfall was recorded 24.4mm at Rawalpindi & highest maximum temperature recorded 47.0°C at Noorpur Thal.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 41.6°C & 27.0°C respectively. For the present season average 203.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 51% and wind speed in the morning/evening recorded 7.5/9.3 Knots. During the previous week the highest maximum temperature recorded 49.0°C at Larkana.

Khyber Pakhtunkhwa

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 35.1°C & 19.8°C respectively. For the present season average 156.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 50% and wind speed in the morning/evening recorded 1.1/2.8 Knots. During the previous week the highest amount of rainfall was recorded 97.0mm at Parachinar & the highest maximum temperature recorded 44.5°C at D.I.Khan.

Balochistan

Light rainfall reported at few places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 37.6°C & 24.1°C respectively. For the present season average 180.8 growing degree days accumulated by the end of last week. Average relative humidity recorded 44% and wind speed in the morning/evening recorded 1.7/6.8 Knots. During the previous week the highest amount of rainfall was recorded 17.1mm at Khuzdar & highest maximum temperature recorded 48.0°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 31.0°C & 15.9°C respectively. For the present season average 132.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 45% and wind speed in the morning/evening recorded 1.0/2.1 Knots. During the previous week the highest amount of rainfall was recorded 18.1mm at Gilgit & highest maximum temperature recorded 41.1°C at Kotli.

Past Weather for Major Agricultural Plains (from 30th May to 5th June, 2016)

Rawalpindi (Potohar region)

Rainfall reported as 24.4mm during the week; however cloudiness in the morning/evening recorded 0.4/0.6 Oktas while, average relative humidity observed as 40%. Mean day time temperature recorded 39.2°C & for the present season 186.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/1.4 Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.9/0.0 Oktas while, average relative humidity observed as 40%. Mean day time temperature recorded 42.0°C & for the present season 204.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.6/1.5 Knots.

Tandojam (Lower Sindh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.0 Oktas while, average relative humidity observed as 58%. Mean day time temperature recorded 46.5°C & for the present season 193.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.4/4.0 Knots.

Quetta (Northern Baluchistan)

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 1.7/3.5 Oktas while, average relative humidity observed as 31%. Mean day time temperature recorded 26.4°C & for the present season 149.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.8/4.7 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.9 Oktas while, average relative humidity observed as 60%. Mean day time temperature recorded 45.6°C & for the present season 221.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.0/4.0 Knots.

Past Weather for Sub-Regional Agricultural Plains (from 30th May to 5th June, 2016)

Multan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.8/1.0 Oktas while, average relative humidity observed as 43%. Mean day time temperature recorded 41.4°C & for the present season 214.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 6.5/7.6 Knots

Lahore

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 1.8/0.2 Oktas while, average relative humidity observed as 39%. Mean day time temperature recorded 41.2°C & for the present season 199.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.5/3.6 Knots.

Zhob

Rainfall reported as 5.0mm during the week; however cloudiness in the morning/evening recorded 0.0/3.6 Oktas while, average relative humidity observed as 41%. Mean day time temperature recorded 34.6°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 5.0/9.8 Knots.

D.I. Khan

Rainfall reported as 4.0mm during the week; however cloudiness in the morning/evening recorded 3.0/3.0 Oktas while, average relative humidity observed as 46%. Mean day time temperature recorded 40.9°C & for the present season 198.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.5/1.6 Knots.

Peshawar

Rainfall reported as 25.9mm during the week; however cloudiness in the morning/evening recorded 2.0/4.6 Oktas while, average relative humidity observed as 56%. Mean day time temperature recorded 39.5°C & for the present season 188.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.5/3.6Knots

Murree

Rainfall reported as 6.0mm during the week; however cloudiness in the morning/evening recorded 1.5/2.6 Oktas while, average relative humidity observed as 51%. Mean day time temperature recorded 26.0°C & for the present season 113.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.5/2.4Knots.

Kalam

Rainfall reported as 15.0mm during the week; however cloudiness in the morning/evening recorded 2.0/4.8 Oktas while, average relative humidity observed as 46%. Mean day time temperature recorded 25.9°C & for the present season 89.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.8Knots.

Gilgit

Rainfall reported as 18.1mm during the week; however cloudiness in the morning/evening recorded 2.3/5.8 Oktas while, average relative humidity observed as 46%. Mean day time temperature recorded 30.5°C & for the present season 122.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/5.2 Knots.

Skardu

Rainfall reported as 1.1mm during the week; however cloudiness in the morning/evening recorded 2.0/4.6 Oktas while, average relative humidity observed as 35%. Mean day time temperature recorded 28.0°C & for the present season 102.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/4.6 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: Good condition at *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*.

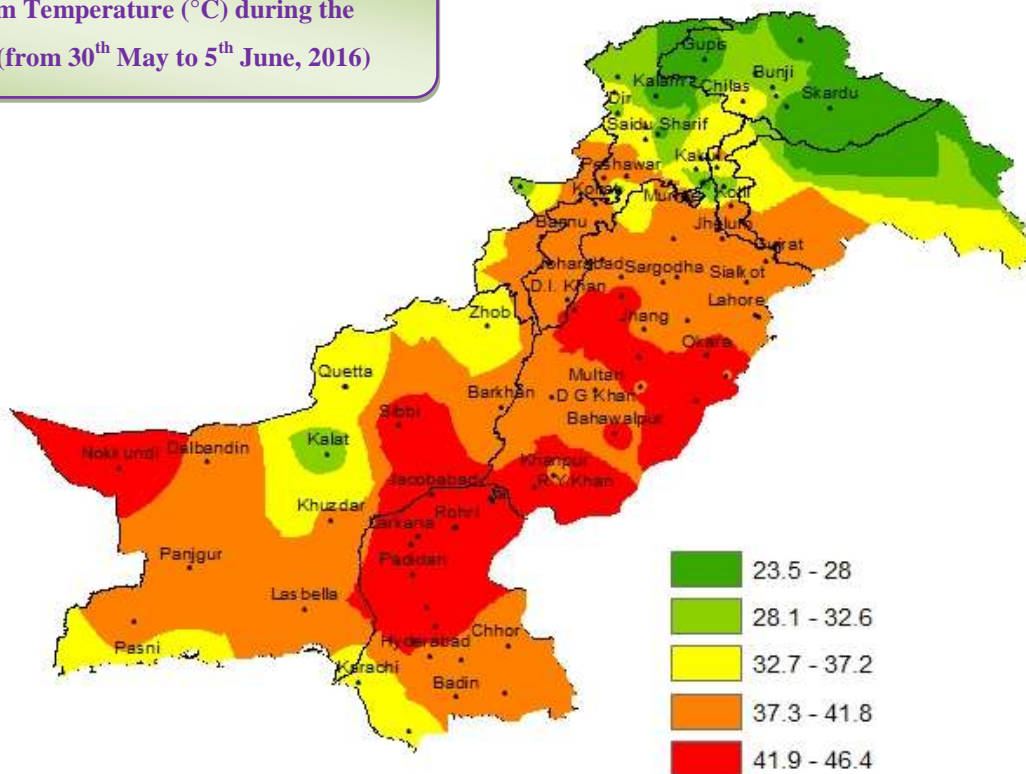
Northern Balochistan (Quetta)

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

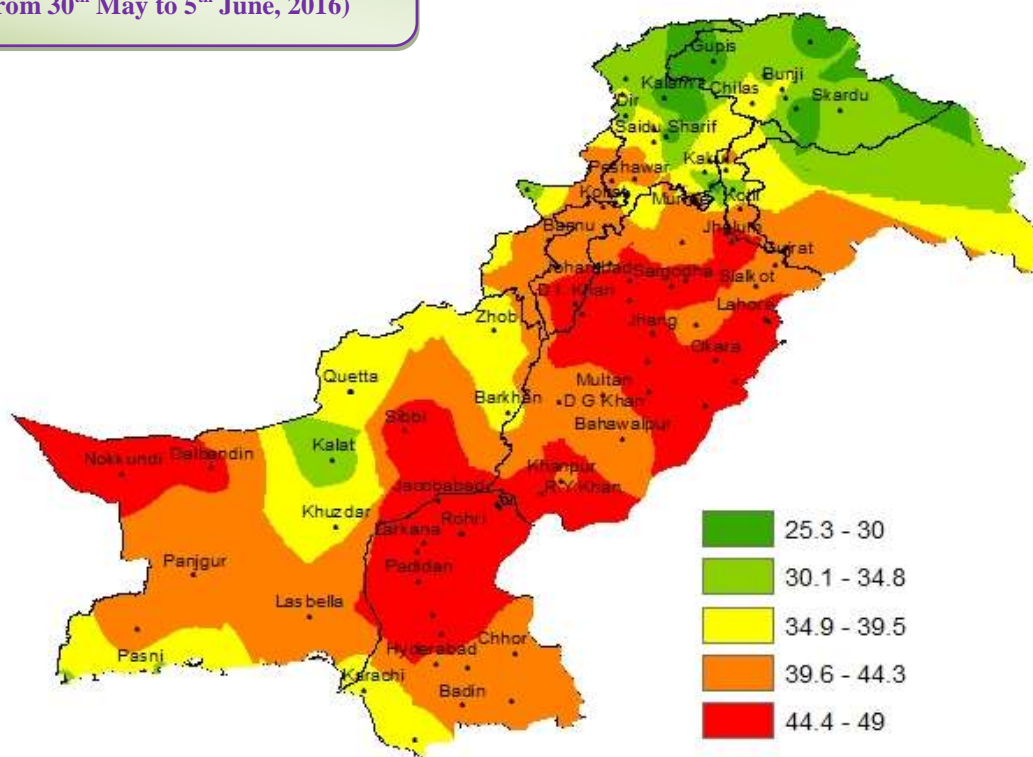
Eastern Balochistan (Usta Muhammad)

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

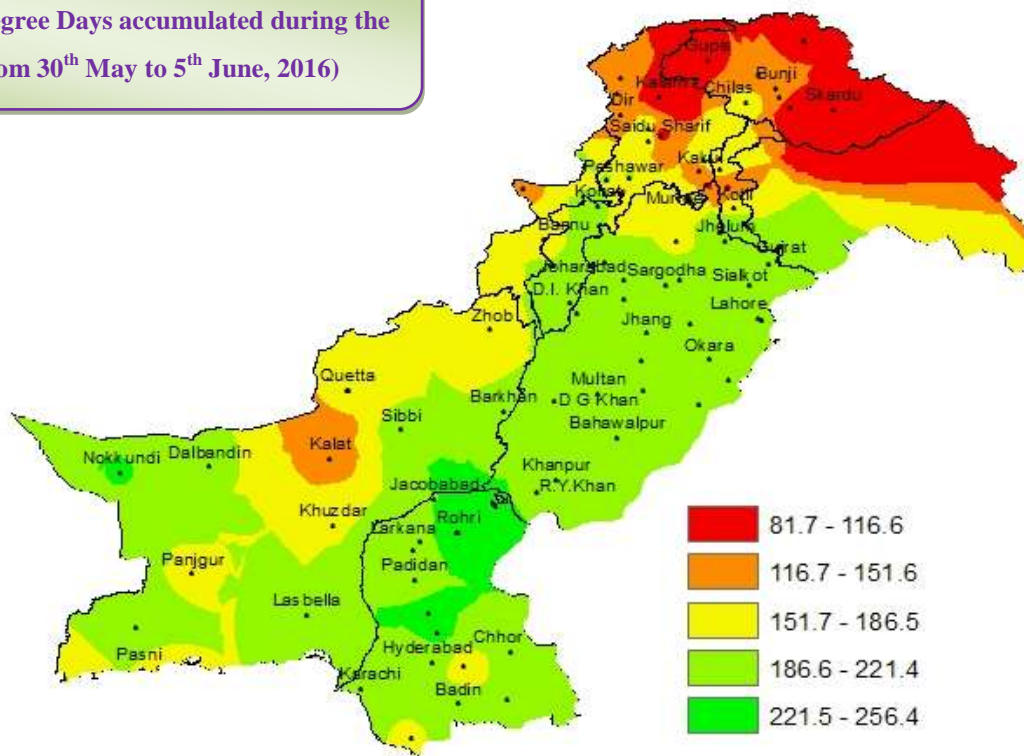
Mean Maximum Temperature (°C) during the Previous week (from 30th May to 5th June, 2016)



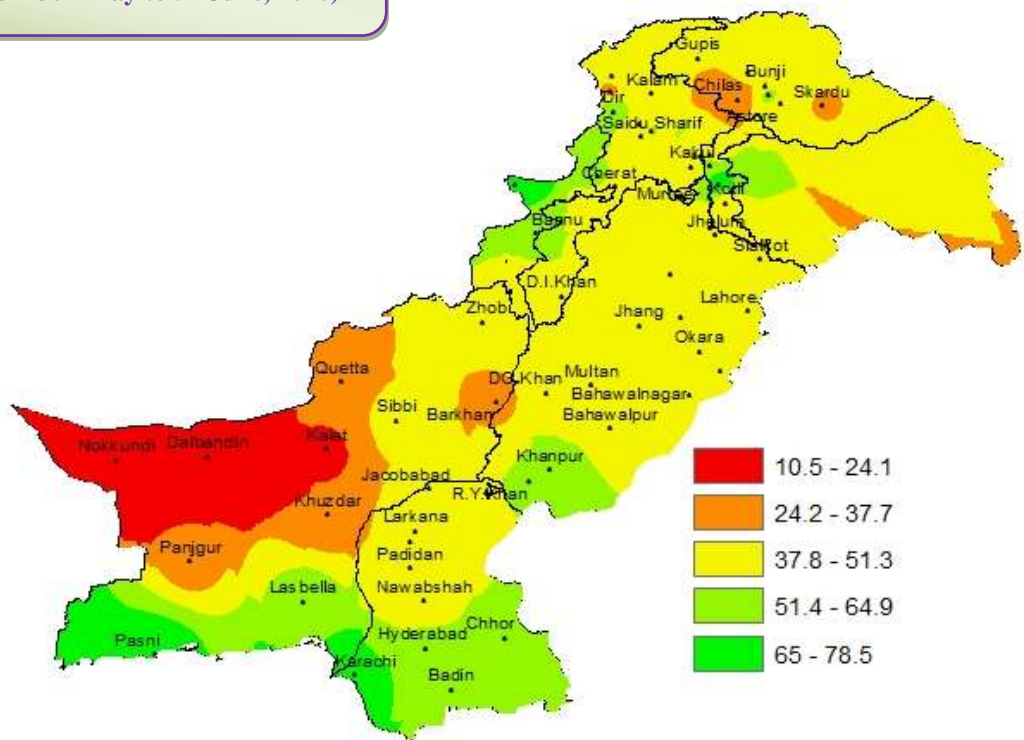
Highest Maximum Temperature (°C) during the Previous week (from 30th May to 5th June, 2016)



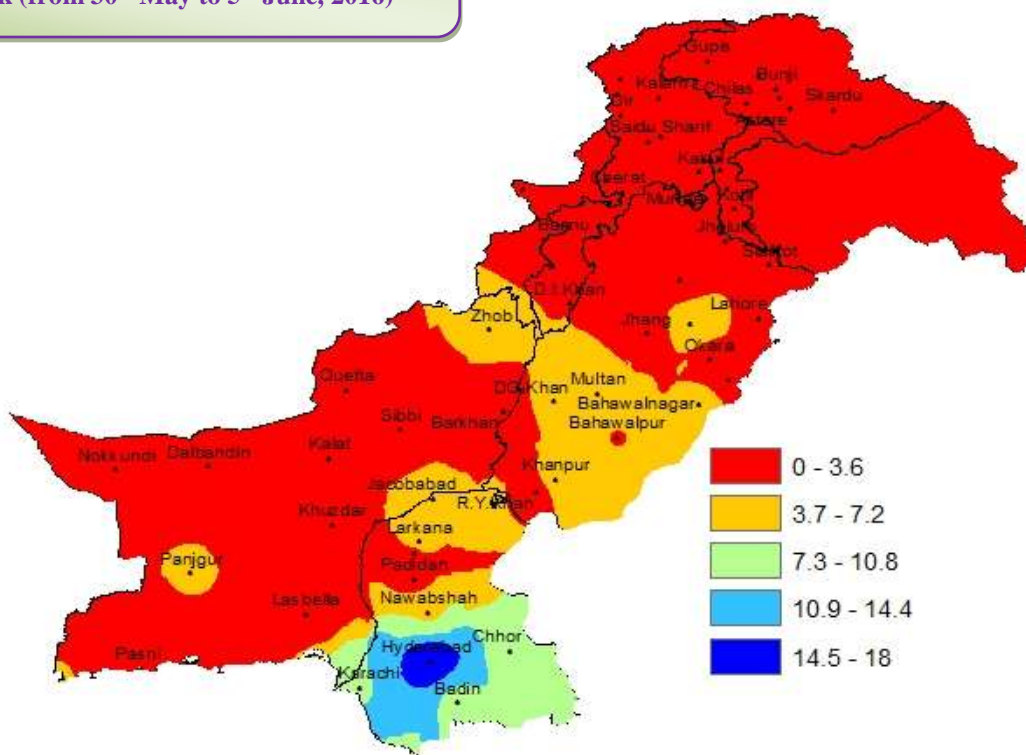
Total Growing Degree Days accumulated during the Previous week (from 30th May to 5th June, 2016)



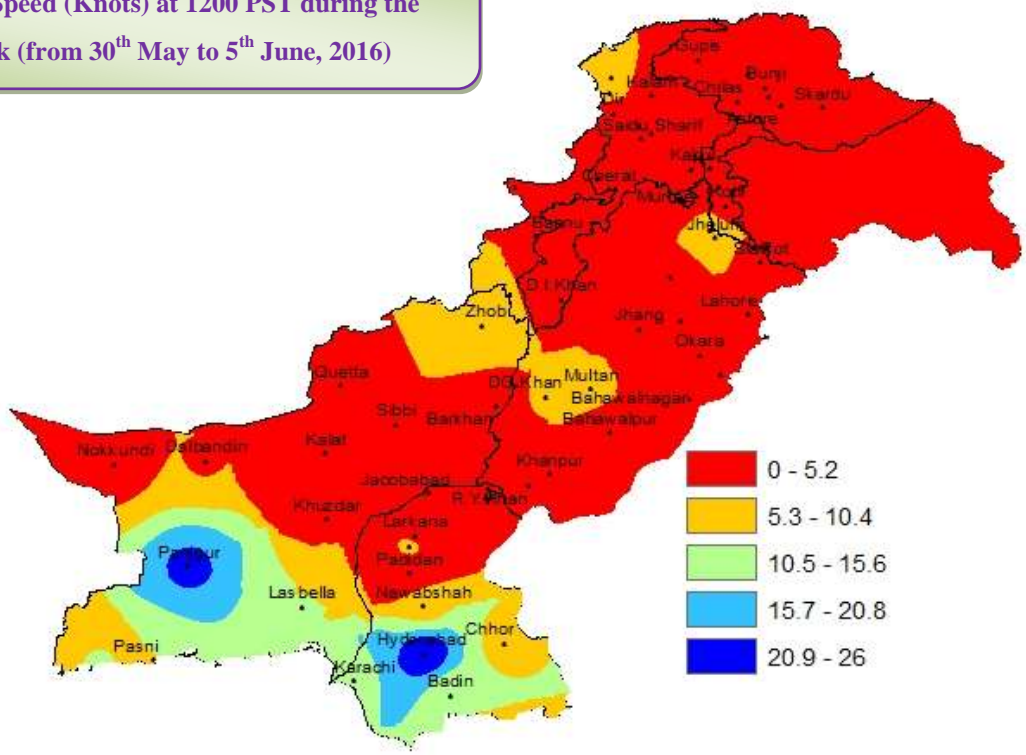
Mean Relative Humidity (%) during the Previous week (from 30th May to 5th June, 2016)



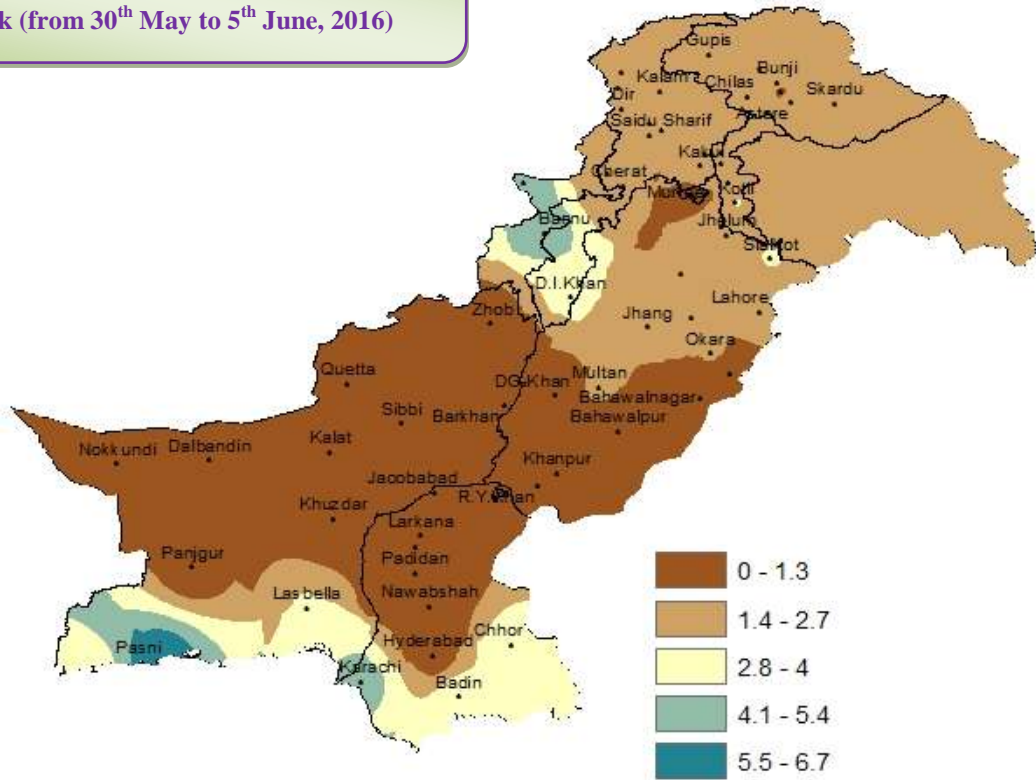
Mean Wind Speed (Knots) at 0300 PST during the Previous week (from 30th May to 5th June, 2016)



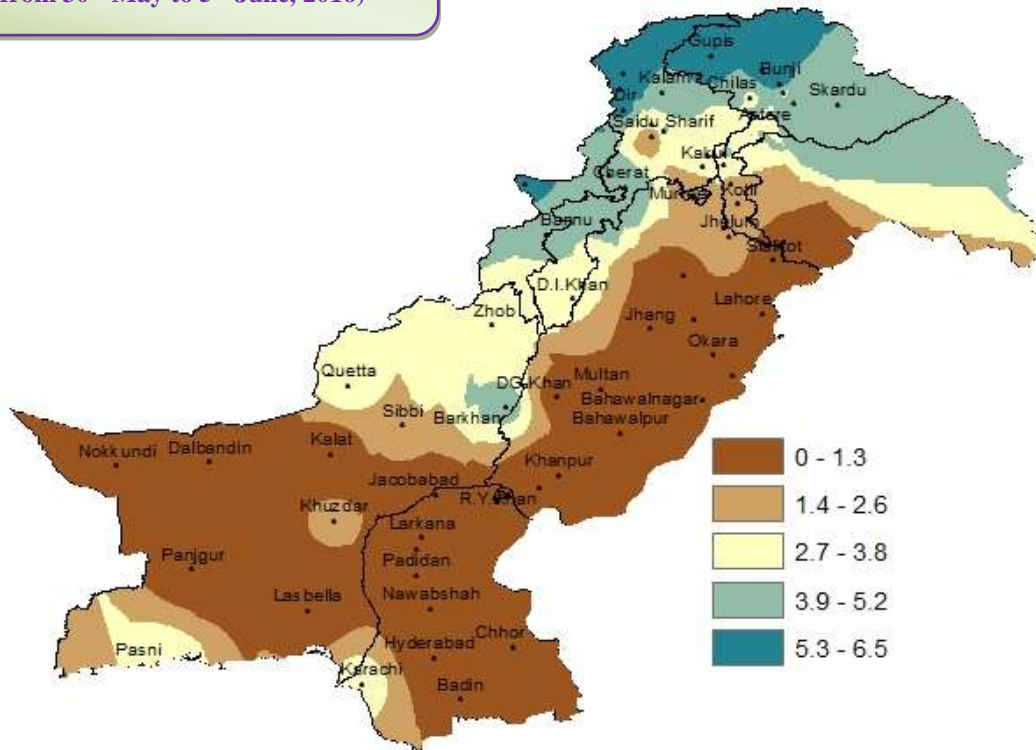
Mean Wind Speed (Knots) at 1200 PST during the Previous week (from 30th May to 5th June, 2016)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 30th May to 5th June, 2016)



Mean Cloudiness (Oktas) at 1200 PST during the Previous week (from 30th May to 5th June, 2016)



Weekly Weather Advisory for Farmers**(from 6th to 12th June, 2016)**

Seasonal low lies over north Balochistan with its trough extending south-eastwards. Some deflected moist currents are penetrating in eastern parts of the country and likely to strengthen in coming weekend. Due to these weather conditions, the weather remains as following:

MONDAY**06-06-2016**

Very hot and dry weather is expected in most parts of the country. Very hot weather conditions are likely to continue over plain areas of Punjab, central and southern Khyber Pakhtunkhwa, upper Sindh, Sibbi and Makran divisions. However, dust-thunderstorm/rain with strong gusty winds is expected at isolated places in Kashmir, Hazara, Rawalpindi, Gujranwala divisions and Islamabad during evening/night.

TUESDAY**07-06-2016**

Very hot and dry weather is expected in most parts of the country. Very hot weather conditions are likely to continue over plain areas of Punjab, central and southern Khyber Pakhtunkhwa, upper Sindh, Sibbi and Makran divisions. However, dust-thunderstorm/rain with strong gusty winds is expected at few places in Kashmir, Hazara, Rawalpindi, Gujranwala, Lahore divisions and Islamabad.

WEDNESDAY**08-06-2016**

Very hot and dry weather is expected in most parts of the country. Very hot weather conditions are likely to continue over plain areas of Punjab, central and southern Khyber Pakhtunkhwa, upper Sindh, Sibbi and Makran divisions. However, dust-thunderstorm/rain with strong gusty winds is expected at few places in Kashmir, Hazara, Rawalpindi, Gujranwala, Lahore divisions and Islamabad.

THURSDAY**09-06-2016**

Very hot and dry weather is expected in most parts of the country. Very hot weather conditions are likely to continue over plain areas of Punjab, central and southern Khyber

Pakhtunkhwa, upper Sindh, Sibbi and Makran divisions. However, dust-thunderstorm/rain accompanied by strong gusty winds is expected at few places in Hazara, Rawalpindi, Gujranwala, Lahore divisions, Islamabad and Kashmir.

FRIDAY**10-06-2016**

Very hot and dry weather is expected in most parts of the country during day time. However, rain/dust-thunderstorm associated with strong gusty winds is expected at scattered places in upper Punjab (Rawalpindi, Gujranwala, Sargodha, Faisalabad, Sahiwal, Lahore divisions), KP (Malakand, Hazara, Peshawar, Mardan, Kohat divisions, FATA Islamabad and Kashmir, while dust-thunderstorm at isolated places in south Punjab (Multan, D.G Khan, Bahawalpur divisions).

SATURDAY**11-06-2016**

Rain/dust-thunderstorm associated with strong gusty winds is expected at scattered places in upper Punjab (Rawalpindi, Gujranwala, Sargodha, Faisalabad, Sahiwal, Lahore divisions), KP (Malakand, Hazara, Peshawar, Mardan, Kohat, Bannu, D.I Khan divisions, FATA, Islamabad and Kashmir, while dust-thunderstorm at isolated places in south Punjab (Multan, D.G Khan, Bahawalpur divisions). Hot and humid weather elsewhere in the country.

SUNDAY**12-06-2016**

Very hot and dry weather is expected in most parts of the country. However, rain-thunderstorm s is expected at few places in northeast Punjab, Islamabad, Hazara division 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 corps as per requiremet.

National Weather Data of Selected Cities
(Weekly Data from 30th May to 5th 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	23.3	26.5	80.9	46	11.5	2.3	4.2	1.0	0.8
Badin	38.6	41.0	196.8	62	0	3.5	0.8	9.5	10.4
Bahawalnagar	43.2	45.5	219.7	39	0	0.0	0.8	5.0	2.0
Bahawalpur	41.8	43.7	212.2	48	0	0.0	0.0	3.5	0.8
Balakot	34.8	38.0	156.3	49	7.1	1.5	3.2	0.5	0.6
Bannu	39.6	42.2	182.6	52	0	4.5	4.0	2.0	4.8
Barkhan	37.7	38.5	189.4	34	0.1	0.0	4.4	0.0	1.6
Bunji	31.0	35.6	133.6	36	0.2	2.3	6.6	2.5	0.0
Cherat	31.8	34.5	148.6	39	9	1.5	4.2	2.5	2.4
Chhor	40.3	43.2	198.7	59	0	3.7	0.2	9.3	8.0
Chilas	35.2	37.5	166.6	26	6	2.5	3.6	0.5	2.8
Chitral	32.1	33.3	133.1	44	0	2.0	6.0	0.5	7.2
D.I.Khan	40.9	44.5	198.5	46	4	3.0	3.0	3.5	1.6
Dalbandin	41.8	44.5	192.6	15	0	0.0	0.0	1.0	4.8
D.G.Khan	41.3	44.0	206.8	45	0	0.0	0.6	5.5	6.0
Dir	32.3	34.0	121.2	63	29	1.5	5.4	0.0	1.6
Drosh	33.3	35.2	137.1	33	19.8	2.0	5.6	0.0	6.8
Faisalabad	42.0	46.0	204.3	40	0	1.9	0.0	1.6	1.5
Garidopatta	37.1	39.0	164.8	55	9.2	2.5	3.2	1.0	1.2
Gawader	35.7	36.0	184.6	73	0	3.5	2.4	0.0	10.8
Gilgit	30.5	34.0	122.3	46	18.1	2.3	5.8	0.0	5.2
Gupis	26.2	29.0	103.1	38	0	2.5	6.0	3.0	3.2

Hyderabad	40.2	43.0	196.7	57	0	0.5	0.0	18.0	26.0
Islamabad	38.1	40.5	173.3	42	5	0.8	2.0	0.0	1.6
Jacobabad	43.8	46.0	220.9	38	0	0.0	0.0	5.0	4.0
Jhang	41.4	44.5	198.3	41	0	1.5	0.6	1.0	0.4
Jhelum	41.8	45.5	200.5	40	3.4	2.0	2.0	2.0	5.2
Jiwani	33.8	34.5	177.9	72	0	3.8	2.0	4.5	8.4
Kakul	33.4	35.0	146.2	44	2	2.8	2.6	0.0	0.8
Kalam	25.9	28.0	89.5	46	15	2.0	4.8	0.0	0.8
Kalat	31.2	32.0	134.1	21	0	0.0	0.0	0.0	0.0
Karachi	35.4	38.0	190.7	71	0	4.8	3.4	10.5	14.0
Khanpur	41.5	44.0	207.4	55	0	0.0	0.0	4.5	0.8
Khuzdar	37.4	39.0	184.2	25	17.1	0.0	1.6	0.0	4.4
Kotli	38.5	41.1	184.6	39	1	2.8	2.0	3.0	2.4
Lahore	41.2	45.1	199.6	39	0.1	1.8	0.2	2.5	3.6
Larkana	44.4	49.0	219.9	45	0	0.0	0.8	4.0	4.4
Lasbella	40.3	42.0	195.4	61	0	2.8	0.0	0.5	10.5
Lower Dir	38.3	40.5	178.4	40	1	2.0	3.2	2.0	2.8
M.B Din	41.6	45.5	203.4	41	8	1.5	0.8	1.0	2.4
Malam Jabba	24.1	25.0	96.8	53	3	2.8	4.0	0.0	1.6
Mangla	41.2	44.3	196.6	39	1	2.5	2.2	1.5	8.4
Mir Khani	33.6	34.0	142.7	58	36.2	1.0	3.4	0.0	3.0
Moinjodaro	43.8	47.5	209.9	44	0	0.0	0.4	3.5	6.0
Multan	41.4	43.5	214.1	43	0	1.8	1.0	6.5	7.6
Murree	26.0	27.5	113.1	51	6	1.5	2.6	1.5	2.4
Muzaffarabad	35.7	37.4	155.8	53	9	1.8	2.2	0.0	0.4
Nawabshah	46.1	48.2	225.2	42	0	0.0	0.0	6.8	7.4

Nokkundi	43.3	45.0	222.6	11	0	0.0	0.6	2.5	2.0
Okara	42.6	46.0	211.6	42	0	1.5	0.0	2.0	2.8
Padidan	43.8	47.0	213.4	48	0	0.0	0.0	2.5	2.0
Panjgur	38.1	41.0	183.5	29	0	0.0	0.0	4.0	22.0
Parachinar	31.7	33.4	138.4	79	97	4.5	5.8	3.5	3.4
Pasni	34.1	34.5	179.8	77	0	6.8	3.6	0.5	10.4
Pattan	37.7	40.5	178.3	43	2	1.3	4.4	0.0	0.4
Peshawar	39.5	41.5	188.5	56	25.9	2.0	4.6	1.5	3.6
Quetta	26.4	34.2	149.9	31	0.1	1.7	3.5	2.8	4.7
R. Y Khan	43.5	46.0	216.5	52	0	0.0	0.0	3.0	2.4
Rawalpindi	39.2	42.0	186.7	40	24.4	0.4	0.6	0.9	1.4
Rawalakot	29.7	32.0	114.5	79	8.4	1.5	2.4	0.0	2.0
Sahiwal	41.7	44.6	207.5	42	0	0.8	0.6	2.5	2.8
Saidu Sharif	36.8	39.0	166.9	46	0	1.5	1.6	0.0	0.4
Sialkot	40.7	44.0	197.2	38	0.1	2.8	0.0	1.5	3.2
Sibbi	45.0	48.0	202.8	45	0	0.0	2.4	1.0	4.8
Skardu	28.0	31.6	102.9	35	1.1	2.0	4.6	0.0	4.6
Tandojam	40.5	44.0	193.3	58	0	0.0	0.0	3.4	4.0
Usta.M	45.6	47.5	221.1	60	0	0.0	0.9	3.0	4.0
Zhob	34.6	37.5	163.5	41	5	0.0	3.6	5.0	9.8

*** Shows that data was not available.