

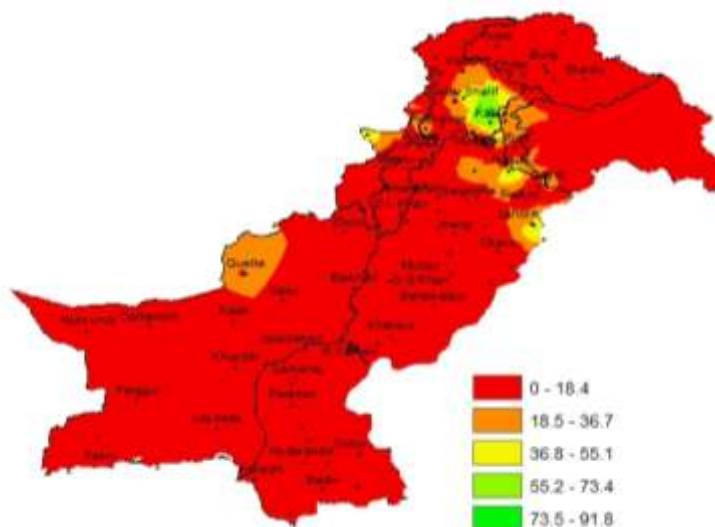
Weekly Weather and Crop Bulletin for Pakistan

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

Phone: +92-51-9250299

Email: dirnamc@yahoo.com

**Rainfall Distribution (mm) during the
Previous Week (from 13th to 19th June, 2016)**



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Highlights of Past Weather (from 13th to 19th 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 and Balochistan.

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 13th to 19th June, 2016)

Punjab

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 40.4°C & 27.5°C respectively. For the present season average 202.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 53% and wind speed in the morning/evening recorded 3.4/3.4 Knots. During the previous week the highest amount of rainfall was recorded 67.0mm at Jhelum & highest maximum temperature recorded 47.2°C at R.Y.Khan.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 41.9°C & 27.8°C respectively. For the present season average 210.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 50% and wind speed in the morning/evening recorded 7.7/8.8 Knots. During the previous week the highest maximum temperature recorded 48.2°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 36.0°C & 21.9°C respectively. For the present season average 167.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 55% and wind speed in the morning/evening recorded 0.6/3.9 Knots. During the previous week the highest amount of rainfall was recorded 93.0mm at Balakot & the highest maximum temperature recorded 45.5°C at Kohat.

Balochistan

Dry weather was reported in Balochistan during the week. Weekly maximum and minimum temperatures recorded 38.7°C & 23.3°C respectively. For the present season average 182.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 40% and wind speed in the morning/evening recorded 2.1/6.5 Knots. During the previous week highest maximum temperature was recorded 49.0°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 32.8°C & 18.6°C respectively. For the present season average 145 growing degree days accumulated by the end of last week. Average relative humidity recorded 50% and wind speed in the morning/evening recorded 0.8/1.8 Knots. During the previous week the highest amount of rainfall was recorded 37.0mm at Muzaffarabad & highest maximum temperature recorded 41.6°C at Chilas.

**Past Weather for Major Agricultural Plains
(from 13th to 19th June, 2016)****Rawalpindi (Potohar region)**

Rainfall reported as 33.0mm during the week; however cloudiness in the morning/evening recorded 3.7/2.8 Oktas while, average relative humidity observed as 52%. Mean day time temperature recorded 39.5°C & for the present season 191.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/3.2 Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.7/0.7 Oktas while, average relative humidity observed as 48%. Mean day time temperature recorded 41.1°C & for the present season 210.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.4/1.2 Knots.

Tandojam (Lower Sindh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.3/0.0 Oktas while, average relative humidity observed as 58%. Mean day time temperature recorded 39.2°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 5.2/6.5 Knots.

Quetta (Northern Baluchistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.3/0.4 Oktas while, average relative humidity observed as 18%. Mean day time temperature recorded 33.3°C & for the present season 148.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/3.6 Knots.

Usta Muhammad (Eastern Balochistan)

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 41%. Mean day time temperature recorded 45.5°C & for the present season 222.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/3.0 Knots.

**Past Weather for Sub-Regional Agricultural
Plains (from 13th to 19th June, 2016)****Multan**

Rainfall reported as 0.4mm during the week; however cloudiness in the morning/evening recorded 0.9/1.6 Oktas while, average relative humidity observed as 49%. Mean day time temperature recorded 41.4°C & for the present season 217.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 8.0/8.6 Knots.

Lahore

Rainfall reported as 53.0mm during the week; however cloudiness in the morning/evening recorded 1.9/3.6 Oktas while, average relative humidity observed as 55%. Mean day time temperature recorded 39.5°C & for the present season 195.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.9/3.1 Knots.

Zhob

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 33%. Mean day time temperature recorded 37.9°C & for the present season 175.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.6/5.6 Knots.

D.I. Khan

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.0/0.6 Oktas while, average relative humidity observed as 50%. Mean day time temperature recorded 42.3°C & for the present season 213.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.0 Knots.

Peshawar

Rainfall reported as 30.0mm during the week; however cloudiness in the morning/evening recorded 1.3/3.9 Oktas while, average relative humidity observed as 62%. Mean day time temperature recorded 39.6°C & for the present season 193.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/1.7 Knots.

Murree

Rainfall reported as 50.0mm during the week; however cloudiness in the morning/evening recorded 3.3/4.7 Oktas while, average relative humidity observed as 69%. Mean day time temperature recorded 25.9°C & for the present season 111.8 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 18.0mm during the week; however cloudiness in the morning/evening recorded 2.6/5.2 Oktas while, average relative humidity observed as 58%. Mean day time temperature recorded 26.7°C & for the present season 101.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.0 Knots.

Gilgit

Rainfall reported as 1.1mm during the week; however cloudiness in the morning/evening recorded 3.6/5.3 Oktas while, average relative humidity observed as 47%. Mean day time temperature recorded 34.3°C & for the present season 142.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/3.7 Knots.

Skardu

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.9/4.4 Oktas while, average relative humidity observed as 32%. Mean day time temperature recorded 31.7°C & for the present season 128.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.4/1.4 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.

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)

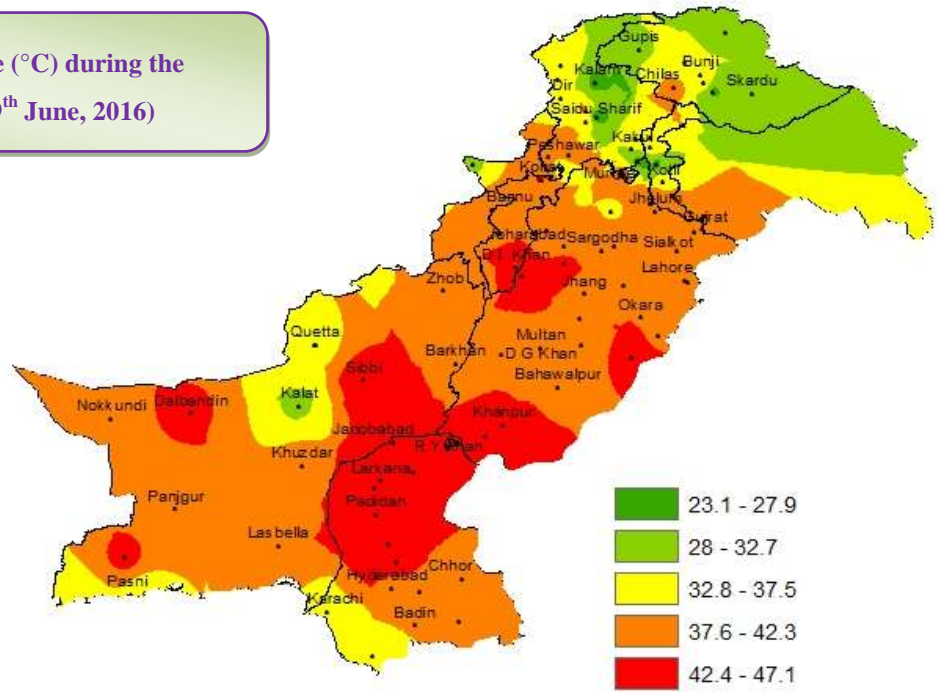
There is presently no crop grown in the fields of RAMC Quetta.

Eastern Balochistan (Usta Muhammad)

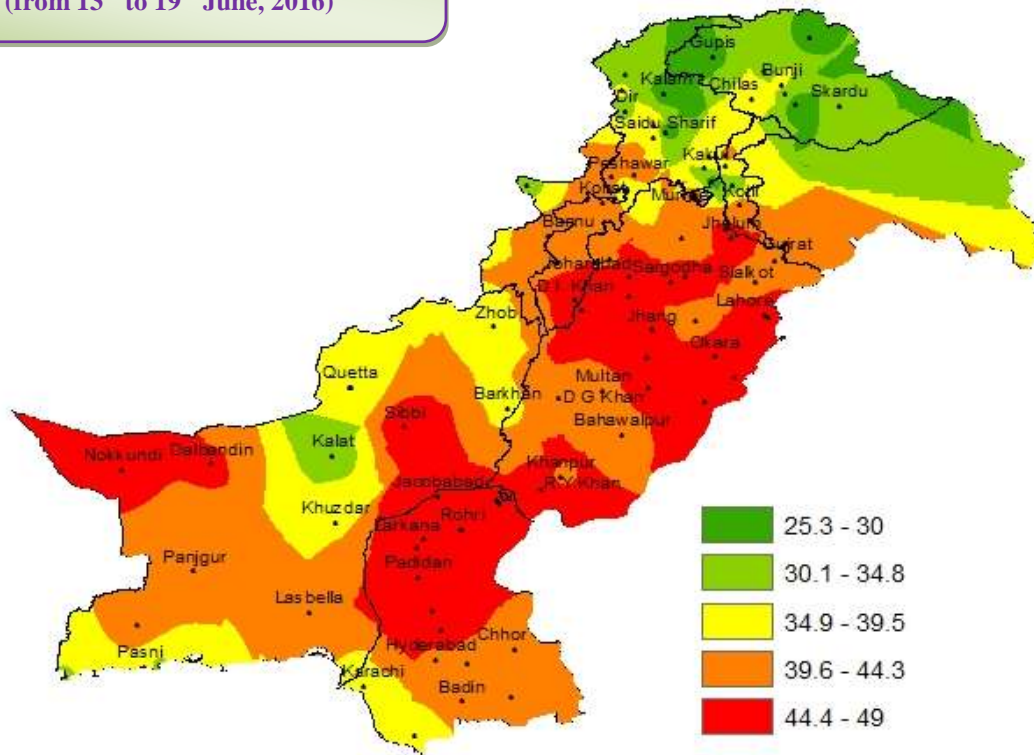
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Rice: Good condition at *Paniri* stage.

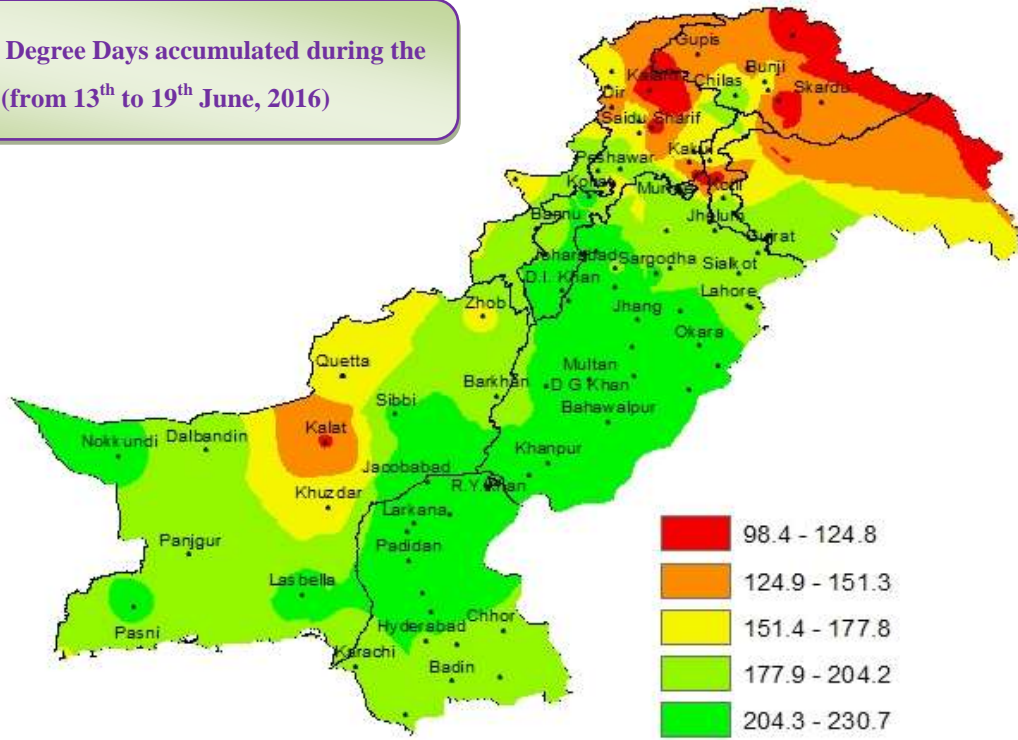
Mean Maximum Temperature (°C) during the Previous week (from 13th to 19th June, 2016)



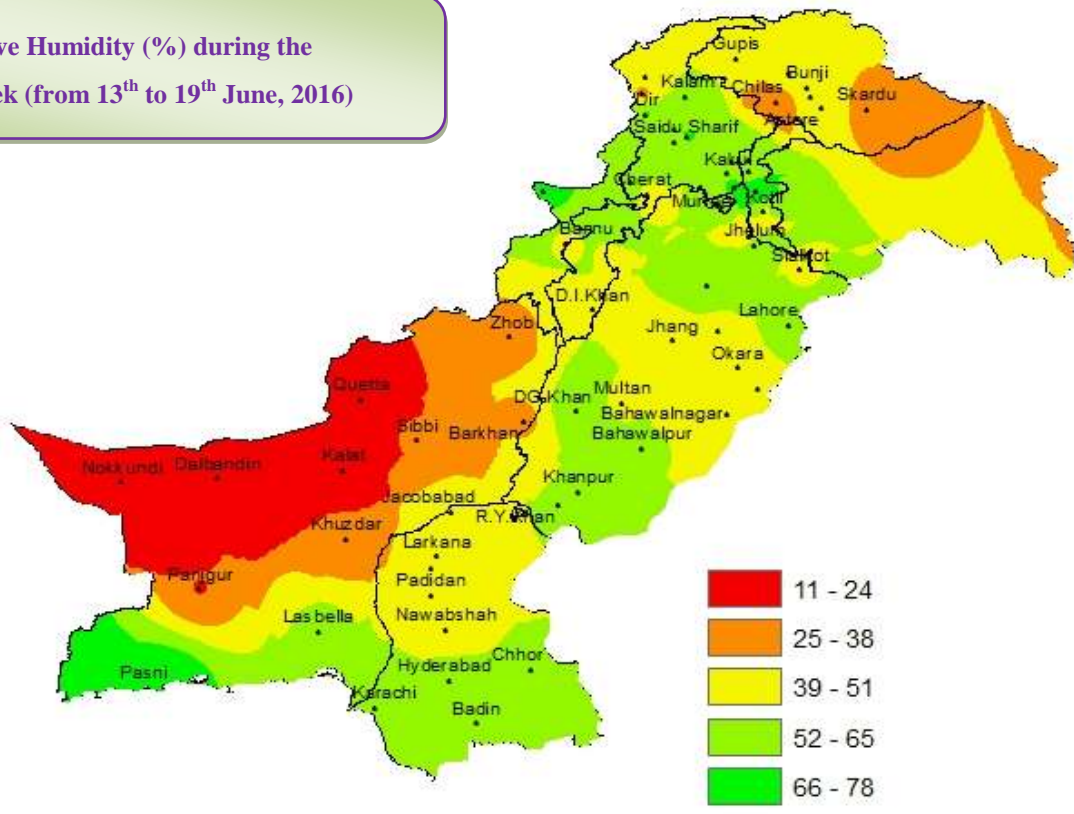
Highest Maximum Temperature (°C) during the Previous week (from 13th to 19th June, 2016)



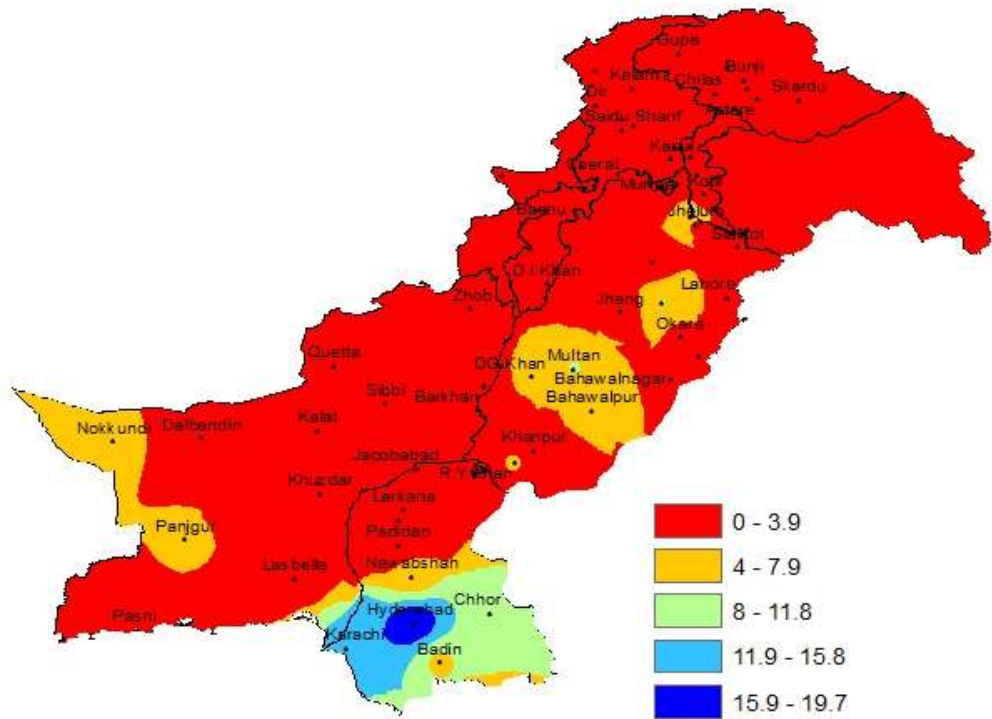
Total Growing Degree Days accumulated during the Previous week (from 13th to 19th June, 2016)



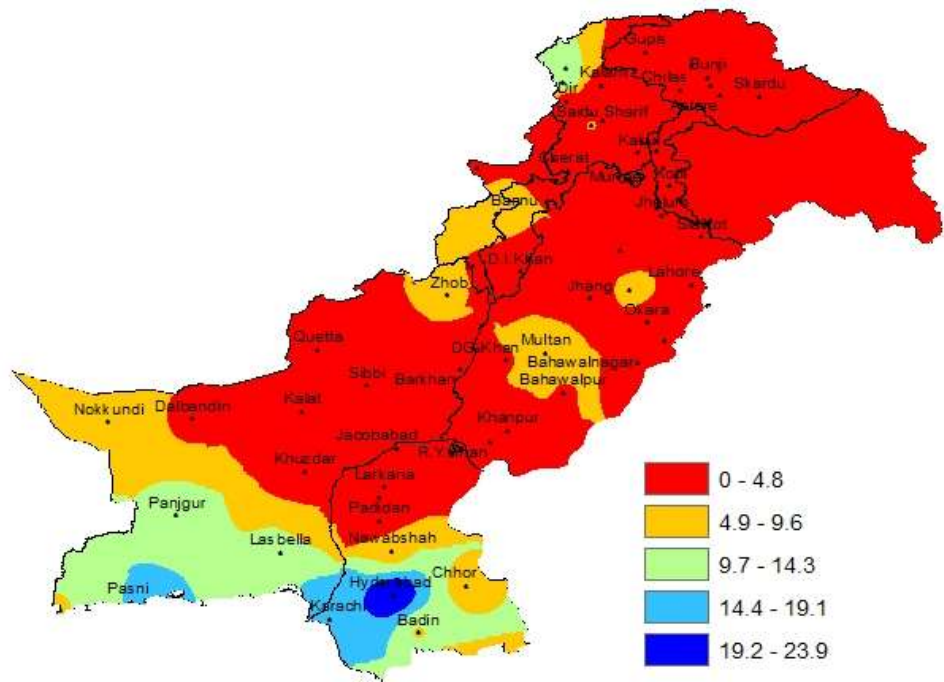
Mean Relative Humidity (%) during the Previous week (from 13th to 19th June, 2016)



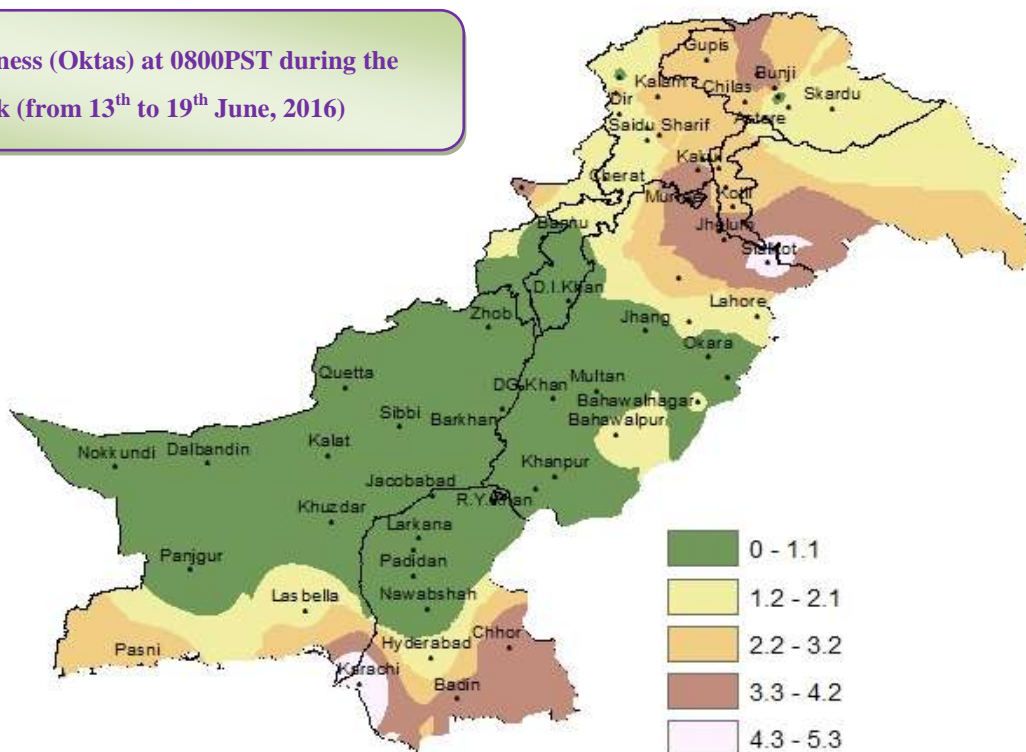
Mean Wind Speed (Knots) at 0300 PST during the Previous week (from 13th to 19th June, 2016)



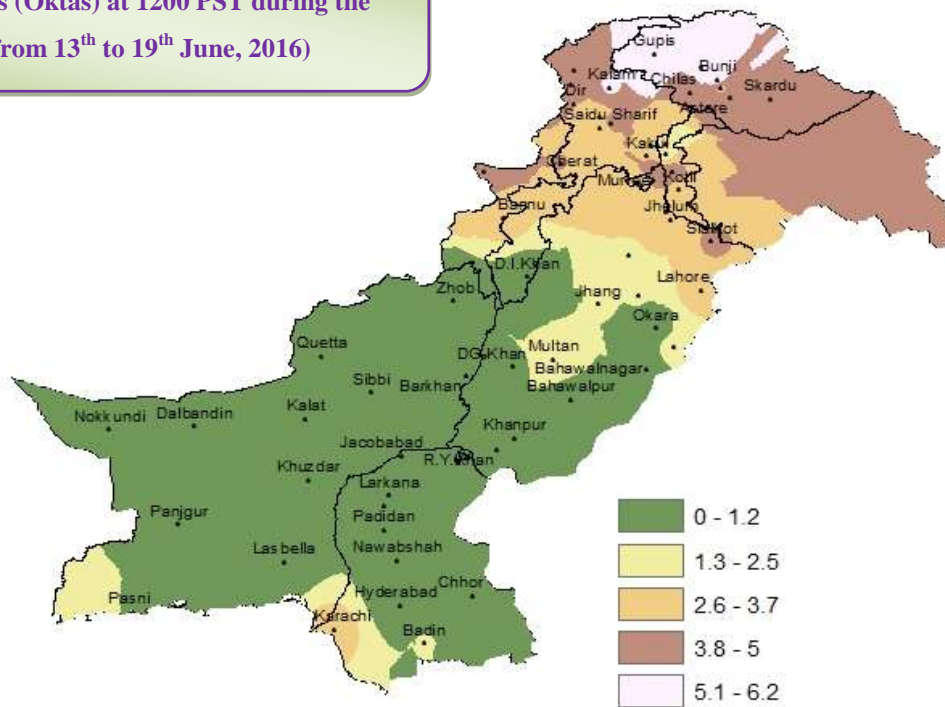
Mean Wind Speed (Knots) at 1200 PST during the Previous week (from 13th to 19th June, 2016)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 13th to 19th June, 2016)



Mean Cloudiness (Oktas) at 1200 PST during the Previous week (from 13th to 19th June, 2016)



Weekly Weather Advisory for Farmers
(from 20th to 25th June, 2016)

Seasonal low lies over North Balochistan and its adjoining areas with its trough extending south-eastward. Weak moist currents are penetrating into north-eastern parts of the country. Moderate moist currents are expected to enter eastern parts of the country from Monday to Thursday. A fresh westerly wave is also likely to enter upper parts of the country on Tuesday and may persist till there 2-3 days. Under the influence of such meteorological conditions weather will remain as following:

MONDAY

20-06-2016

Mainly hot and humid weather is expected in most parts of the country. However, rain-thundershower with gusty winds is expected at few places in Lahore, Gujranwala, Rawalpindi, Sargodha, Malakand, Hazara, Peshawar, Kohat divisions, Islamabad, FATA, Kashmir and Gilgit-Baltistan.

TUESDAY

21-06-2016

Rain-thundershower with dust-storm/strong gusty winds is expected at scattered places of upper KP (Malakand, Hazara, Mardan, Kohat, Peshawar divisions), upper Punjab (Rawalpindi, Gujranwala, Lahore, Sargodha divisions), Islamabad, FATA, Gilgit-Baltistan and Kashmir, while at isolated places of Bannu, D. I. Khan, D. G. Khan, Faisalabad, Sahiwal, Multan, Zhob and Quetta divisions. Hot and dry weather is likely elsewhere in the country.

WEDNESDAY

22-06-2016

Rain-thundershower with dust-storm/strong gusty winds is expected at scattered places of upper KP (Malakand, Hazara, Mardan, Kohat, Peshawar divisions), upper Punjab (Rawalpindi, Gujranwala, Lahore, Sargodha divisions), Islamabad, FATA, Gilgit-Baltistan and Kashmir, While at isolated places of Bannu, D. I. Khan,

D. G. Khan, Faisalabad, Sahiwal, Multan, Zhob and Quetta divisions. Hot and dry weather is likely elsewhere in the country.

THURSDAY

23-06-2016

Rain-thundershower with dust-storm/strong gusty winds is expected at scattered places of upper KP (Malakand, Hazara, Mardan, Kohat, Peshawar divisions), upper Punjab (Rawalpindi, Gujranwala, Lahore, Sargodha divisions), Islamabad, FATA, Gilgit-Baltistan and Kashmir, while at isolated places of Bannu, D. I. Khan, D. G. Khan, Faisalabad, Sahiwal, Multan, Zhob, Quetta, Mirpurkhas divisions. Hot and dry weather is likely elsewhere in the country.

FRIDAY

24-06-2016

Mainly and dry weather is expected in most parts of the country. However, isolated rain-thundershowers with gusty winds are expected in Malakand, Hazara, Peshawar, Rawalpindi, Gujranwala, Lahore, Zhob, Kalat and Mirpurkhas divisions, Islamabad, FATA, Kashmir and Gilgit-Baltistan.

SATURDAY

25-06-2016

Mainly hot and dry weather is expected in most parts of the country. However, rain-thundershower with gusty winds is expected at isolated places in Hazara, Gujranwala divisions 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 13th to 19th 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	26.7	29.5	106.0	49	4.0	2.0	4.7	1.1	0.9
Badin	37.7	39.0	194.0	61	0.0	3.6	1.3	7.1	9.3
Bahawalnagar	43.1	44.0	225.3	45	0.0	1.1	1.0	3.1	3.1
Bahawalpur	41.7	44.0	214.0	53	0.1	1.1	1.0	4.6	4.6
Balakot	35.5	38.0	164.3	60	93.0	1.6	3.6	0.0	2.0
Bannu	41.1	42.8	191.5	50	2.0	0.6	3.0	0.3	8.0
Barkhan	39.9	41.5	195.5	35	0.0	0.0	1.1	0.3	2.3
Bunji	33.5	37.2	156.6	48	0.1	4.0	6.3	1.1	0.6
Cherat	33.7	36.0	157.5	47	1.0	2.0	3.0	2.6	4.3
Chhor	39.4	41.5	203.1	53	0.0	4.0	0.0	8.7	7.7
Chilas	38.7	41.6	190.8	29	0.1	2.7	4.1	2.3	3.7
Chitral	35.4	38.1	155.4	43	0.0	0.9	3.7	0.0	10.9
D.I.Khan	42.3	45.0	213.3	50	0.0	1.0	0.6	0.3	0.0
Dalbandin	43.1	46.5	196.8	14	0.0	0.0	0.3	0.3	3.7
DG.Khan	40.8	42.5	206.2	63	1.0	0.6	1.1	5.1	4.6
Dir	33.3	36.0	135.0	66	16.0	1.4	3.7	0.3	0.9
Drosh	36.2	38.1	162.1	35	2.0	2.6	4.4	0.0	13.1
Faisalabad	41.1	42.0	210.4	48	0.0	0.7	0.9	3.4	1.2
Garidopatta	36.5	40.0	168.0	54	16.0	2.1	1.7	0.0	0.6
Gawader	35.4	36.5	184.8	69	0.0	2.7	2.0	1.1	11.3
Gilgit	34.3	37.5	142.8	47	1.1	3.6	5.3	0.0	3.7
Gupis	31.7	34.4	130.7	42	0.0	2.9	5.9	1.7	3.1
Hyderabad	40.6	44.0	201.3	57	0.0	1.3	0.0	19.7	24.0

Islamabad	38.6	40.7	188.1	51	19.2	3.6	2.9	0.3	3.7
Jacobabad	45.5	46.5	230.0	43	0.0	0.0	0.1	3.1	2.0
Jhang	41.5	43.0	208.0	48	0.0	0.3	1.3	1.4	1.1
Jhelum	39.4	43.5	192.6	56	67.0	4.1	2.4	3.0	1.7
Jiwani	33.5	35.0	176.5	74	0.0	2.6	1.9	1.7	8.9
Kakul	32.8	34.5	148.0	62	69.0	4.3	3.4	0.0	0.9
Kalam	26.7	29.5	101.0	58	18.0	2.6	5.2	0.0	1.0
Kalat	31.9	34.0	124.0	17	0.0	0.0	0.3	0.0	2.0
Karachi	35.0	36.3	186.4	64	0.0	5.3	3.3	13.7	16.9
Khanpur	42.4	45.0	213.9	53	0.0	0.9	0.4	1.1	2.0
Khuzdar	39.4	41.5	166.3	27	0.0	0.0	0.6	0.6	2.6
Kotli	36.7	39.2	183.8	50	5.0	3.1	3.1	1.7	2.3
Lahore	39.5	41.5	195.2	55	53.0	1.9	3.6	2.9	3.1
Larkana	45.4	47.5	222.8	43	0.0	0.0	0.0	3.1	4.0
Lasbella	41.8	44.0	208.8	56	0.0	2.0	0.0	0.0	10.6
Lower Dir	39.1	41.5	190.8	56	16.0	2.0	3.0	2.0	2.0
M.B Din	39.8	43.5	194.8	57	19.0	3.0	2.3	1.4	2.1
Malam Jabba	22.8	24.5	96.8	67	62.0	2.4	4.4	0.0	1.1
Mangla	39.4	42.5	196.0	47	1.0	3.1	3.9	6.9	4.9
Mir Khani	36.2	37.5	158.9	39	9.0	0.0	3.1	0.0	3.7
Moinjodaro	45.1	48.0	219.3	44	0.0	0.3	0.0	2.6	4.3
Multan	41.4	43.5	217.0	49	0.4	0.9	1.6	8.0	8.6
Murree	25.9	27.5	111.8	69	50.0	3.3	4.7	0.6	1.4
Muzaffarabad	34.8	37.6	160.9	60	37.0	3.3	1.9	0.3	2.0
Nawabshah	45.3	47.2	222.5	44	0.0	0.9	0.3	5.1	7.6
Nokkundi	41.6	46.5	208.0	11	0.0	0.0	0.0	5.1	8.0

Okara	42.3	43.5	216.2	48	0.0	0.4	0.9	2.9	2.9
Padidan	44.7	46.0	220.5	49	0.0	0.0	0.0	2.6	2.6
Panjgur	39.3	42.0	181.0	24	0.0	0.0	0.0	4.6	11.4
Parachinar	32.0	33.7	156.0	70	45.0	3.4	4.4	3.0	3.6
Pasni	34.0	34.5	178.5	78	0.0	2.6	0.6	2.9	16.3
Pattan	37.8	41.0	179.5	57	30.0	2.0	2.7	0.0	0.0
Peshawar	39.6	42.0	193.2	62	30.0	1.3	3.9	0.6	1.7
Quetta	33.3	36.0	148.2	18	0.0	1.3	0.4	2.0	3.6
R.Y.Khan	44.6	47.2	221.7	52	0.0	0.4	0.0	4.3	3.1
Rawalakot	27.2	31.5	114.4	78	28.0	2.6	4.4	0.0	1.7
Rawalpindi	39.5	42.0	191.5	52	33.0	3.7	2.8	0.9	3.2
Sahiwal	42.1	43.0	212.8	50	0.0	0.0	1.6	3.7	2.9
Saidu Sharif	36.1	38.5	166.8	58	14.0	1.7	2.7	0.0	5.7
Sialkot	39.2	42.4	197.5	50	14.0	4.6	3.9	0.3	0.9
Sibbi	47.1	49.0	208.3	26	0.0	0.0	0.0	2.0	3.1
Skardu	31.7	35.8	128.6	32	0.0	1.9	4.4	0.4	1.4
Tandojam	39.2	40.5	192.8	58	0.0	0.3	0.0	5.2	6.5
Usta.M	45.5	47.0	222.2	41	0.0	0.0	0.0	2.0	3.0
Zhob	37.9	39.0	175.3	33	0.0	0.0	0.0	3.6	5.6

*** Shows that data was not available.