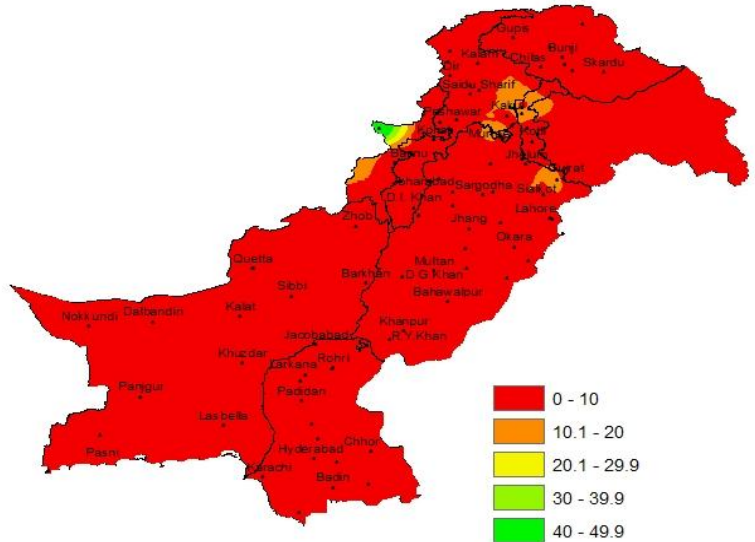


Weekly Weather and Crop Bulletin for Pakistan

**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 16th to 22nd May, 2016)**

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Highlights of Past Weather (from 16th to 22nd May, 2016)

Slightly above normal day time temperature was reported from most parts of Punjab and Sindh while normal temperature was reported in the remaining parts of the country during the week.

Province wise distribution of rainfall reported as follows:

- Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa, Punjab, and Gilgit-Baltistan & Kashmir regions.
- Light rainfall reported at isolated places in Sindh.
- Light rainfall reported only at single station (Lasbela=1.6mm) in 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 16th to 22nd May, 2016)

Punjab

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 44.2°C & 26.3°C respectively. For the present season average 213.9 growing degree days accumulated by the end of last week. Average relative humidity recorded 35% and wind speed in the morning/evening recorded 1.9/3.4 Knots. During the previous week the highest amount of rainfall was recorded 20.0mm at Islamabad & highest maximum temperature recorded 50.0°C at Bahawalnagar.

Sindh

Light rainfall reported at isolated places in Sindh during the week. Weekly maximum and minimum temperatures recorded 45.6°C & 27.6°C respectively. For the present season average 221.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 44% and wind speed in the morning/evening recorded 5.1/7.9 Knots. During the previous week the highest amount of rainfall was recorded 2.0mm at Nawabshah & highest maximum temperature recorded 52.2°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 36.8°C & 19.4°C respectively. For the present season average 160.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 41% and wind speed in the morning/evening recorded 0.8/2.0 Knots. During the previous week the highest amount of rainfall was recorded 50.0mm at Parachinar & the highest maximum temperature recorded 47.0°C at D.I.Khan.

Balochistan

Light rainfall reported only at single station (Lasbela =1.6mm) in Balochistan during the week. Weekly maximum and minimum temperatures recorded 40.5°C & 24.1°C respectively. For the present season average 190.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 38% and wind speed in the morning/evening recorded 1.4/6.7 Knots. During the previous week the highest maximum temperature recorded 51.0°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 32.9°C & 15.7°C respectively. For the present season average 135.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 39% and wind speed in the morning/evening recorded 0.9/1.7 Knots. During the previous week the highest amount of rainfall was recorded 17.0mm at Garidopatta & highest maximum temperature recorded 42.0°C at Garidopatta.

**Past Weather for Major Agricultural Plains
(from 16th to 22nd May, 2016)**

Rawalpindi (Potohar region)

Rainfall reported as 3.6mm during the week; however cloudiness in the morning/evening recorded 0.0/0.3 Oktas while, average relative humidity observed as 32%. Mean day time temperature recorded 41.1°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 0.8/1.5 Knots.

Faisalabad (Central Punjab)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.3 Oktas while, average relative humidity observed as 31%. Mean day time temperature recorded 44.7°C & for the present season 212.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/1.4 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 55%. 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 3.4/5.2Knots.

Quetta (Northern Baluchistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.6 Oktas while, average relative humidity observed as 16%. Mean day time temperature recorded 33.8°C & for the present season 147.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/4.1 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.1 Oktas while, average relative humidity observed as 32%. Mean day time temperature recorded 50.0°C & for the present season 233.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9//2.3 Knots.

**Past Weather for Sub-Regional Agricultural
Plains (from 16th to 22nd May, 2016)**

Multan

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 28%. Mean day time temperature recorded 46.0°C & for the present season 230.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.3/5.7 Knots.

Lahore

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 27%. Mean day time temperature recorded 44.3°C & for the present season 220.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.1/2.3 Knots.

Zhob

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.7 Oktas while, average relative humidity observed as 35%. Mean day time temperature recorded 37.2°C & for the present season 166.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/5.6 Knots.

D.I. Khan

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 38%. Mean day time temperature recorded 45.6°C & for the present season 219.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.6 Knots.

Peshawar

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 0.0/2.0 Oktas while, average relative humidity observed as 41%. Mean day time temperature recorded 42.3°C & for the present season 200.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.6 Knots.

Murree

Rainfall reported as 7.2mm during the week; however cloudiness in the morning/evening recorded 0.9/0.9 Oktas while, average relative humidity observed as 39%. Mean day time temperature recorded 28.5°C & for the present season 125.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/1.1 Knots.

Kalam

Rainfall reported as 3.6mm during the week; however cloudiness in the morning/evening 0.0/3.4 Oktas while, average relative humidity observed as 41%. Mean day time temperature recorded 29.2°C & for the present season 102.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.7 Knots.

Gilgit

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.4/4.3 Oktas while, average relative humidity observed as 36%. Mean day time temperature recorded 33.6°C & for the present season 129.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.3 Knots.

Skardu

Rainfall reported as 1.4mm during the week; however cloudiness in the morning/evening recorded 2.1/3.7 Oktas while, average relative humidity observed as 36%. Mean day time temperature recorded 27.7°C & for the present season 99.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/6.3 Knots.

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

Potohar Region (Rawalpindi)

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

Wheat: Good condition at *Full Maturity* stage.

Central Punjab (Faisalabad)

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

Cotton: Very good condition, *Emergence* stage completed.

Lower Sindh (Tandojam)

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

Cotton: Good condition at *Germination* stage.

Northern Balochistan (Quetta)

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

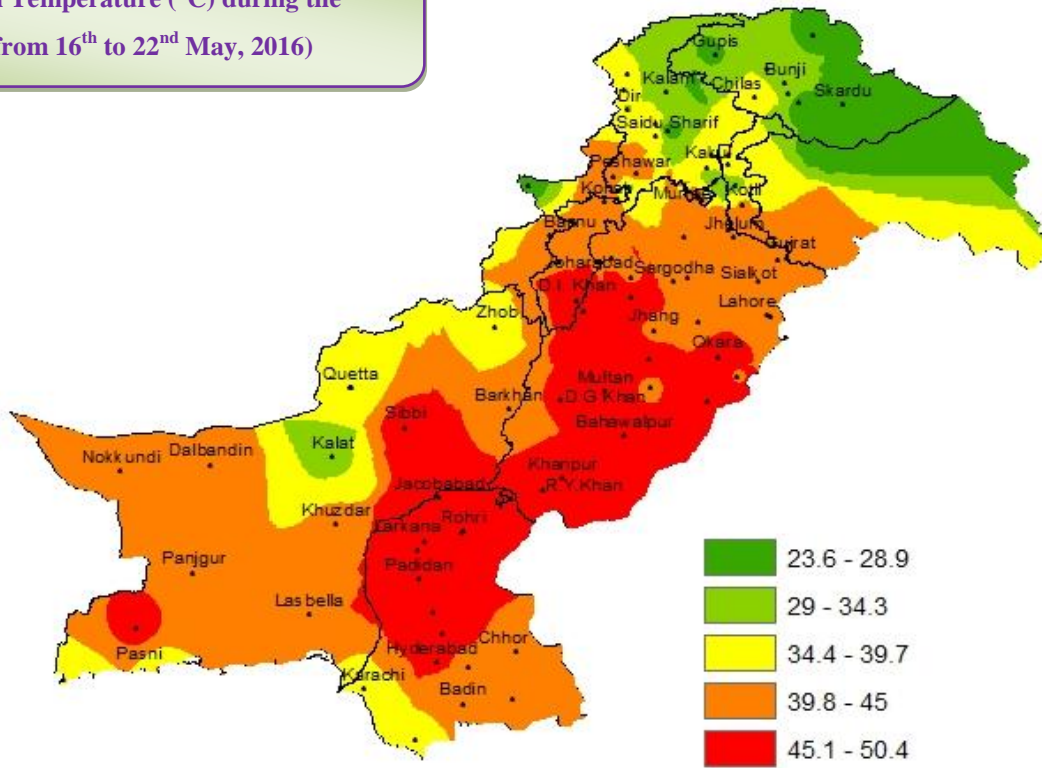
Wheat: Good condition at *Wax Maturity* stage.

Eastern Balochistan (Usta Muhammad)

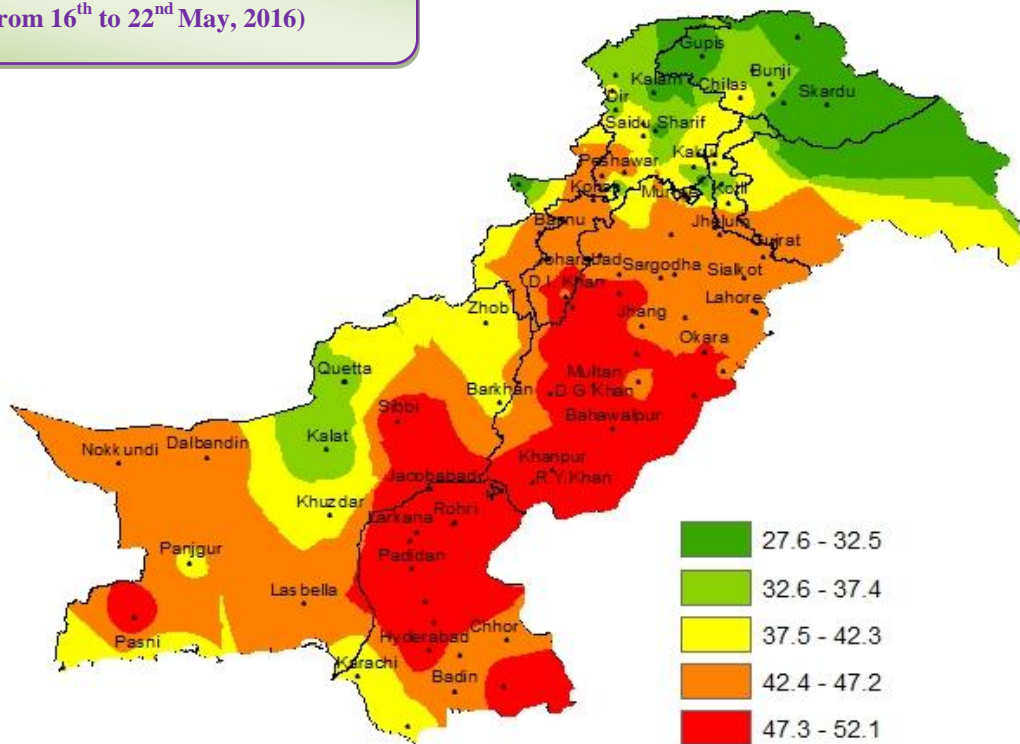
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Wheat: Good condition at *Threshing* stage.

Mean Maximum Temperature (°C) during the Previous week (from 16th to 22nd May, 2016)

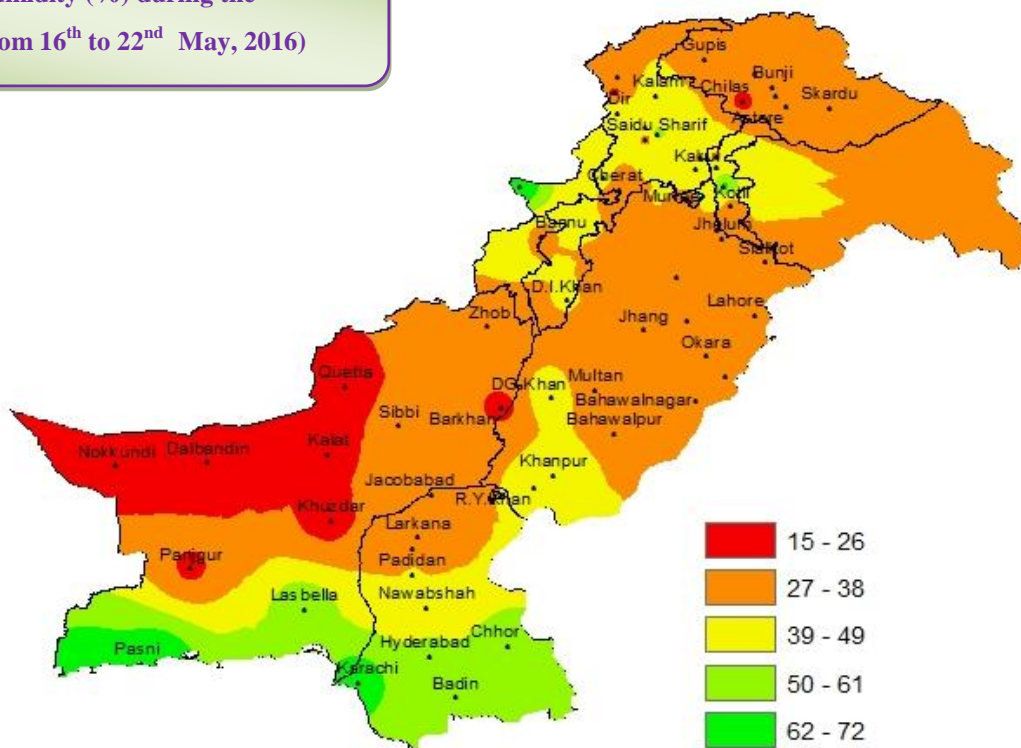


Highest Maximum Temperature (°C) during the Previous week (from 16th to 22nd May, 2016)

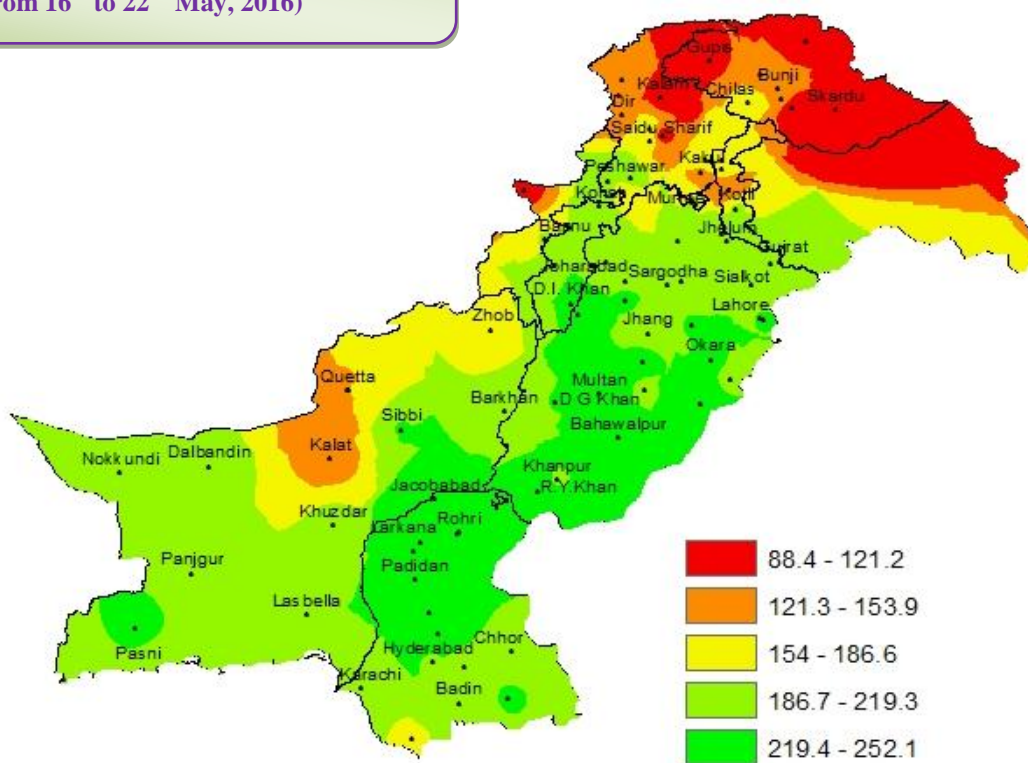


5.5

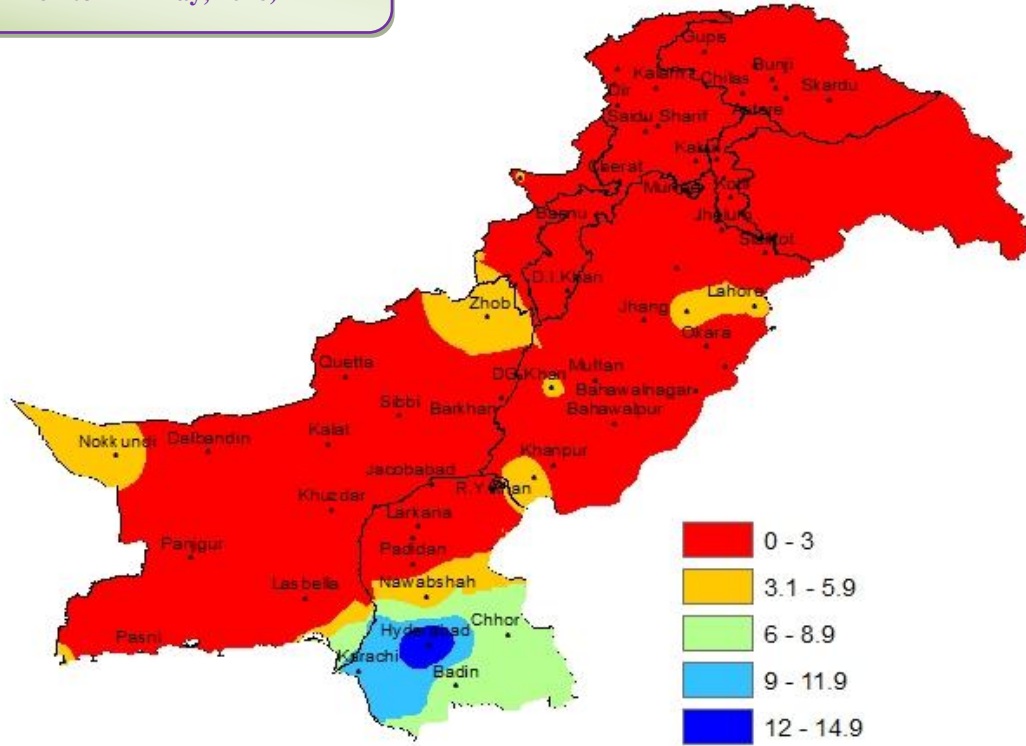
Mean Relative Humidity (%) during the Previous week (from 16th to 22nd May, 2016)



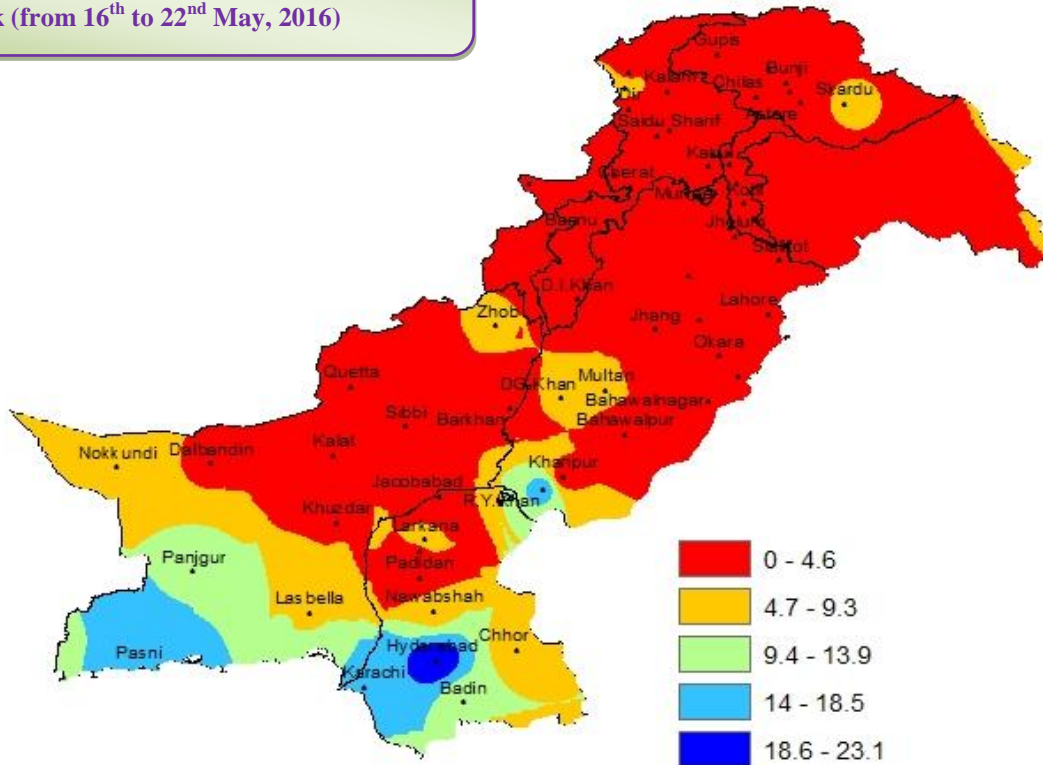
Total Growing Degree Days accumulated during the Previous week (from 16th to 22nd May, 2016)



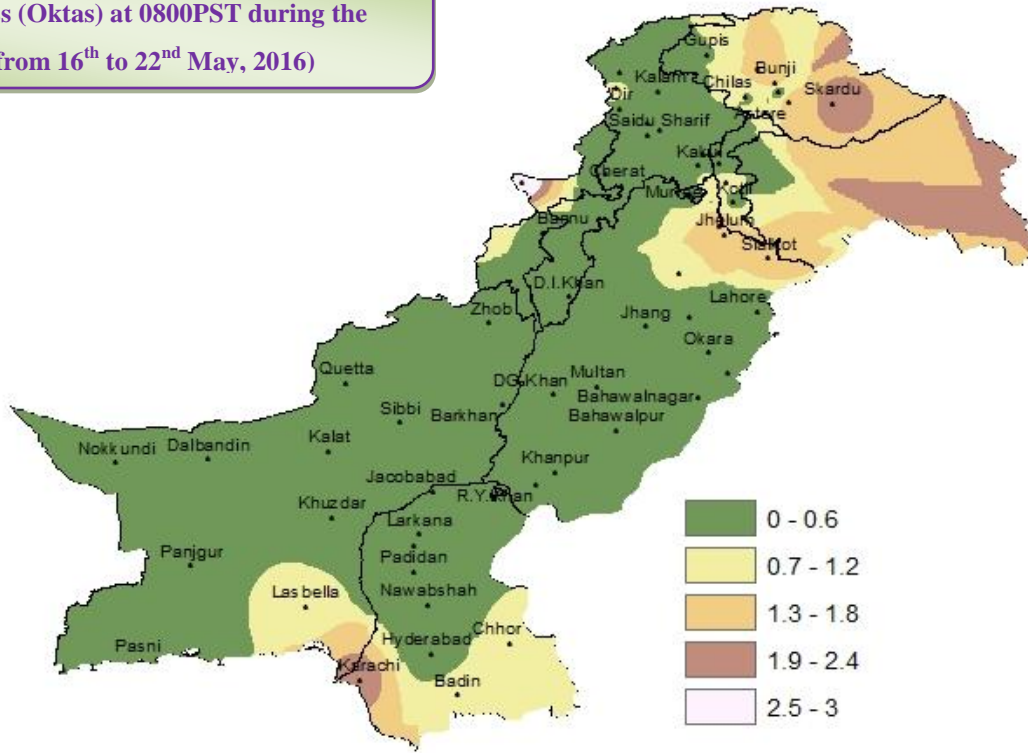
Mean Wind Speed (Knots) at 0300 PST during the Previous week (from 16th to 22nd May, 2016)



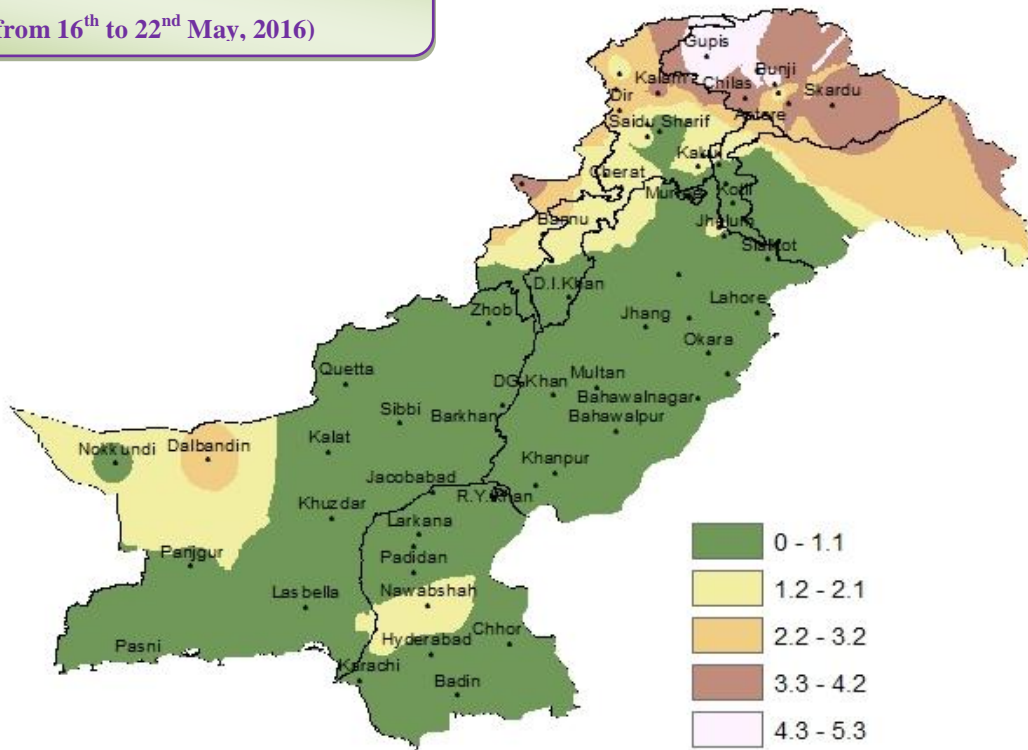
Mean Wind Speed (Knots) at 1200 PST during the Previous week (from 16th to 22nd May, 2016)



Mean Cloudiness (Oktas) at 0800PST during the Previous week (from 16th to 22nd May, 2016)



Mean Cloudiness (Oktas) at 1200 PST during the Previous week (from 16th to 22nd May, 2016)



Weekly Weather Advisory for Farmers
(from 23rd to 29th May, 2016)

Low pressure area lies over north Balochistan and its trough extending southeastwards. Continental air is expected to prevail over most parts of the country during coming week.

MONDAY

23-05-2016

Mainly hot & dry weather is expected during the day time in plain areas of the country. However light rain-thunderstorm with strong gusty winds/dust storm is expected at different places of upper KP (Malakand, Hazara, Peshawar, Kohat, Mardan divisions), Islamabad, upper Punjab (Sargodha, Rawalpindi, Gujranwala, Faisalabad, Lahore divisions), FATA, GB and Kashmir during (evening/night). Rain-thunderstorm/Dust raising winds is also expected at few places of D.I Khan, Bannu, Multan, D.G Khan, Quetta, Zhob, Sukkur & Larkana divisions.

TUESDAY

24-05-2016

Rain-thunderstorm is expected at few places of upper KP (Malakand, Hazara, Peshawar, Kohat, Mardan divisions), Islamabad, upper Punjab (Sargodha, Rawalpindi, Gujranwala, Faisalabad, Lahore divisions), FATA, GB and Kashmir. Hot & dry weather is expected elsewhere in the country.

WEDNESDAY

25-05-2016

Mainly hot and dry weather is expected in most parts of the country. However, rain-thunderstorm is expected at few places in Gilgit-Baltistan and Kashmir.

THURSDAY

26-05-2016

Mainly very hot and dry weather is expected over most parts of the country.

FRIDAY

27-05-2016

Mainly very hot and dry weather is expected over most parts of the country. However, rain-thunderstorm is expected at few places in Kashmir and its adjoining hilly areas.

SATURDAY

28-05-2016

Mainly very hot and dry weather is expected over most parts of the country. However, rain-thunderstorm is expected at few places in Kashmir and its adjoining hilly areas.

SUNDAY

29-05-2016

Mainly very hot and dry weather is expected over most parts of the country. However, rain-thunderstorm is expected at few places in Kashmir and its adjoining areas.

ADVISES FOR CROPS

- ❖ Pest attacks are expected over vegetables & tobacco crops after recent rains. Farmers are advised to take in time precautionary measures in this regard.
- ❖ Removing weeds from the 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 complete wheat harvesting and other agriculture practices as soon as possible.

National Weather Data of Selected Cities
(Weekly Data from 16th to 22nd May, 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	24.8	27.5	87.7	35	0.6	1.7	3.9	1.7	0.3
Badin	42.2	45.5	199.4	56	0.0	1.0	0.0	6.9	9.4
Bahawalnagar	47.6	50.0	237.0	30	0.0	0.0	0.0	1.1	2.3
Bahawalpur	46.4	48.5	225.5	36	0.0	0.0	0.0	1.7	1.1
Balakot	37.8	41.0	174.0	35	15.6	0.0	1.7	0.0	0.7
Bannu	42.7	44.4	188.3	36	0.0	0.0	1.9	0.9	2.3
Barkhan	40.1	41.5	194.5	23	0.0	0.0	0.3	0.0	0.3
Bunji	32.9	34.4	143.6	34	0.0	1.7	5.4	1.4	0.6
Cherat	33.4	35.0	161.0	29	3.0	0.3	1.7	2.3	2.3
Chhor	43.6	47.0	209.9	56	0.0	1.0	0.0	6.0	5.4
Chilas	37.2	39.2	175.0	22	0.4	0.6	3.6	0.9	1.7
Chitral	34.6	36.0	135.4	37	0.0	0.3	1.9	1.7	3.7
D.I.Khan	45.6	47.0	219.5	38	0.0	0.0	0.0	0.6	0.6
Dalbandin	44.3	45.5	206.9	17	0.0	0.0	2.4	1.4	3.7
DG.Khan	46.1	48.0	219.8	46	0.0	0.0	0.3	3.1	6.6
Dir	34.2	37.0	121.9	50	1.0	0.6	2.7	0.9	1.4
Drosh	35.7	37.7	149.0	24	3.6	0.7	2.7	0.6	7.4
Faisalabad	44.7	46.0	212.6	31	0.0	0.0	0.3	1.4	1.4
Garidopatta	39.1	42.0	170.6	52	17.0	0.1	0.7	0.0	0.6
Gawader	38.3	40.0	196.7	68	0.0	0.6	0.0	0.0	15.1
Gilgit	33.6	36.0	129.5	36	0.0	1.4	4.3	0.0	2.3
Gupis	28.5	30.5	106.5	34	0.0	0.6	4.9	2.3	2.6

Hyderabad	45.3	48.5	216.4	54	0.0	0.0	0.7	14.9	23.1
Islamabad	40.5	42.3	180.1	34	20.0	0.4	0.6	0.9	1.1
Jacobabad	49.6	50.5	242.0	34	0.0	0.0	0.3	0.3	0.9
Jhang	44.5	46.5	208.9	36	0.0	0.0	0.0	0.6	0.9
Jhelum	44.5	45.5	206.8	37	9.4	1.3	1.0	0.6	1.1
Jiwani	37.3	38.0	191.7	65	0.0	0.4	0.0	3.7	10.9
Kakul	35.1	37.3	149.8	40	3.2	0.0	1.1	0.0	1.1
Kalam	29.2	31.5	102.5	41	3.6	0.0	3.4	0.0	1.7
Kalat	32.2	33.0	127.6	24	0.0	0.0	0.4	0.0	0.6
Karachi	37.2	38.5	195.8	70	0.0	2.1	1.0	9.1	14.0
Khanpur	46.4	48.5	217.1	46	0.0	0.0	0.0	1.1	0.9
Khuzdar	40.7	41.0	196.9	21	0.0	0.0	0.5	0.0	4.3
Kotli	40.1	41.1	192.2	33	2.0	0.4	0.4	2.6	1.7
Lahore	44.3	45.5	220.1	27	0.0	0.0	0.0	3.1	2.3
Larkana	50.4	52.2	251.4	27	0.1	0.0	0.3	2.6	5.7
Lasbella	44.5	46.5	216.8	59	1.6	1.0	0.7	0.3	9.1
Lower Dir	40.0	42.0	189.8	44	0.0	0.0	1.3	2.3	2.0
M.B Din	44.3	46.2	211.0	34	0.2	0.9	0.6	1.1	2.0
Malam Jabba	23.3	28.0	93.1	54	4.0	0.0	0.1	0.6	0.6
Mangla	43.3	44.7	201.7	29	2.0	1.7	1.2	1.7	5.0
Mir Khani	34.3	35.0	148.6	38	6.8	0.0	0.6	0.0	0.0
Moinjodaro	49.4	51.0	230.2	34	0.0	0.0	0.4	1.7	4.3
Multan	46.0	48.1	230.6	28	0.0	0.0	0.0	2.3	5.7
Murree	28.5	30.2	125.9	39	7.2	0.9	0.9	1.4	1.1
Muzaffarabad	38.1	41.0	164.5	44	17.0	0.3	1.9	0.9	1.1
Nawabshah	47.5	48.5	223.0	39	2.0	0.0	2.0	5.1	6.9

Nokkundi	44.0	45.5	217.8	15	0.0	0.3	1.0	3.4	6.0
Okara	45.8	47.3	221.7	32	0.0	0.0	0.0	1.4	1.7
Padidan	47.8	50.5	233.2	39	0.0	0.0	0.4	2.3	2.6
Panjgur	41.8	42.0	200.2	24	0.0	0.3	1.0	1.1	12.9
Parachinar	25.1	31.0	97.7	71	50.0	3.0	3.7	3.0	3.0
Pasni	36.6	38.5	193.3	72	0.0	0.0	0.0	2.3	17.4
Pattan	39.9	42.0	181.5	34	6.0	0.0	1.3	0.0	0.0
Peshawar	42.3	44.0	200.1	41	0.1	0.0	2.0	0.0	2.6
Quetta	33.8	35.0	147.8	16	0.0	0.0	0.6	0.9	4.1
R.Y.Khan	48.8	50.0	238.1	41	0.0	0.0	0.1	4.3	17.0
Rawalakot	32.8	35.0	121.6	65	7.0	0.9	0.9	0.0	2.0
Rawalpindi	41.1	42.5	191.5	32	3.6	0.0	0.3	0.8	1.5
Sahiwal	44.9	47.0	214.5	33	0.0	0.0	0.0	1.4	1.4
Saidu Sharif	38.2	40.6	167.2	34	6.6	0.0	1.3	0.0	0.3
Sialkot	43.2	44.5	205.3	32	18.0	1.7	0.0	1.4	2.3
Sibbi	49.8	51.0	221.4	29	0.0	0.0	1.0	0.3	1.0
Skardu	27.7	29.7	99.2	36	1.4	2.1	3.7	0.0	6.3
Tandojam	44.3	46.0	209.3	55	0.0	0.0	0.0	3.4	5.2
Usta.M	50.0	51.0	233.8	32	0.0	0.0	0.1	0.9	2.3
Zhob	37.2	39.0	166.3	35	0.0	0.0	0.7	5.0	5.6

*** Shows that data was not available.