

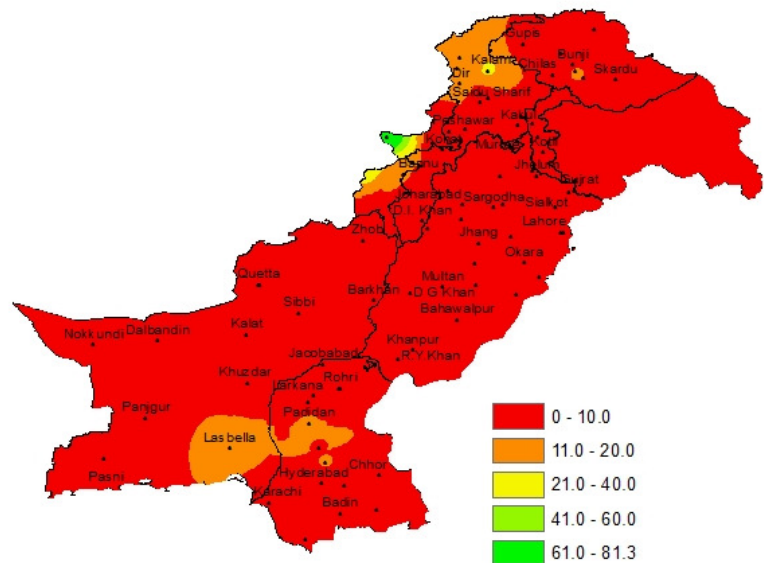
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the
Previous Week (from 2nd to 8th May, 2016)**



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Highlights of Past Weather (from 2nd to 8th 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, Sindh, Balochistan and Gilgit-Baltistan & Kashmir regions.

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 2nd to 8th May, 2016)**Punjab**

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 37.8°C & 23.0°C respectively. For the present season average 177.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 43% and wind speed in the morning/evening recorded 3.1/2.0 Knots. During the previous week the highest amount of rainfall was recorded 5.7mm at Bahawalpur & highest maximum temperature recorded 46.0°C at R.Y. Khan.

Sindh

Light to moderate rainfall reported at many places in Sindh during the week. Weekly maximum and minimum temperatures recorded 40.4°C & 24.7°C respectively. For the present season average 192.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 47% and wind speed in the morning/evening recorded 6.6/7.9 Knots. During the previous week the highest amount of rainfall was recorded 23.0mm at Padidan & highest maximum temperature recorded 48.1°C Dadu.

Khyber Pakhtunkhwa

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 29.2°C & 16.1°C respectively. For the present season average 118.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 57% and wind speed in the morning/evening recorded 2.8/5.7 Knots. During the previous week the highest amount of rainfall was recorded 81.7mm at Parachinar & the highest maximum temperature recorded 42.0°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 35.2°C & 21.3°C respectively. For the present season average 170.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 45% and wind speed in the morning/evening recorded 2.3/6.2 Knots. During the previous week the highest amount of rainfall was recorded 29.0mm at Lasbella & highest maximum temperature recorded 45.0°C 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 26.6°C & 13.1°C respectively. For the present season average 93.1 growing degree days accumulated by the end of last week. Average relative humidity recorded 51% and wind speed in the morning/evening recorded 0.9/2.1 Knots. During the previous week the highest amount of rainfall was recorded 16.2mm at Astore & highest maximum temperature recorded 40.6°C at Gupis.

Past Weather for Major Agricultural Plains (from 2nd to 8th May, 2016)

Rawalpindi (Potohar region)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 2.7/3.0 Oktas while, average relative humidity observed 45%. Mean day time temperature recorded 35.3°C & for the present season 165.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/1.1 Knots.

Faisalabad (Central Punjab)

Rainfall reported as 2.4mm during the week; however cloudiness in the morning/evening recorded 1.7/2.6 Oktas while, average relative humidity observed as 39%. Mean day time temperature recorded 39.7°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 1.1/2.7 Knots.

Tandojam (Lower Sindh)

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 52%. Mean day time temperature recorded 40.3°C & for the present season 187.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.5/4.0 Knots.

Quetta (Northern Baluchistan)

Rainfall reported as 0.6mm during the week; however cloudiness in the morning/evening recorded 2.3/4.1 Oktas while, average relative humidity observed as 32%. Mean day time temperature recorded 29.4°C & for the present season 122.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/2.7 Knots.

Usta Muhammad (Eastern Balochistan)

Rainfall reported as “Trace” during the week; however cloudiness in the morning/evening recorded 1.0/1.1 Oktas while, average relative humidity observed as 41%. Mean day time temperature recorded 42.6°C & for the present season 195.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.9/2.5 Knots.

Past Weather for Sub-Regional Agricultural Plains (from 2nd to 8th May, 2016)

Multan

Rainfall reported as 2.1mm during the week; however cloudiness in the morning/evening recorded 2.4/2.1 Oktas while, average relative humidity observed as 36%. Mean day time temperature recorded 39.2°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 5.4/3.4 Knots.

Lahore

Rainfall reported as 0.2mm during the week; however cloudiness in the morning/evening recorded 2.1/2.9 Oktas while, average relative humidity observed as 33%. Mean day time temperature recorded 38.0°C & for the present season 184.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.3/3.4 Knots.

Zhob

Rainfall reported as 6.0mm during the week; however cloudiness in the morning/evening recorded 1.7/4.1 Oktas while, average relative humidity observed as 41%. Mean day time temperature recorded 30.1°C & for the present season 130.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/7.0 Knots.

D.I. Khan

Rainfall reported as 0.2mm during the week; however cloudiness in the morning/evening recorded 2.4/1.4 Oktas while, average relative humidity observed as 46%. Mean day time temperature recorded 39.2°C & for the present season 185.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.3Knots.

Peshawar

Rainfall reported as 2.1mm during the week; however cloudiness in the morning/evening recorded 3.3/4.6 Oktas while, average relative humidity observed as 53%. Mean day time temperature recorded 34.4°C & for the present season 161.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.7 Knots.

Murree

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 3.1/4.0 Oktas while, average relative humidity observed as 50%. Mean day time temperature recorded 22.2°C & for the present season 92.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/2.7 Knots.

Kalam

Rainfall reported as 34.7mm during the week; however cloudiness in the morning/evening recorded 3.1/6.1Oktas while, average relative humidity observed as 59%. Mean day time temperature recorded 21.7°C & for the present season 67.1 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 6.2mm during the week; however cloudiness in the morning/evening recorded 5.4/5.9 Oktas while, average relative humidity observed as 52%. Mean day time temperature recorded 25.2°C & for the present season 87.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/1.4 Knots.

Skardu

Rainfall reported as 6.0mm during the week; however cloudiness in the morning/evening recorded 1.7/4.1 Oktas while, average relative humidity observed as 41%. Mean day time temperature recorded 30.1°C & for the present season 130.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/7.0 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 *Milk Maturity* stage.

Central Punjab (Faisalabad)

The crop is harvested in the fields of RAMC Faisalabad.

Lower Sindh (Tandojam)

The crop is harvested in the fields of RAMC Tandojam.

Northern Balochistan (Quetta)

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

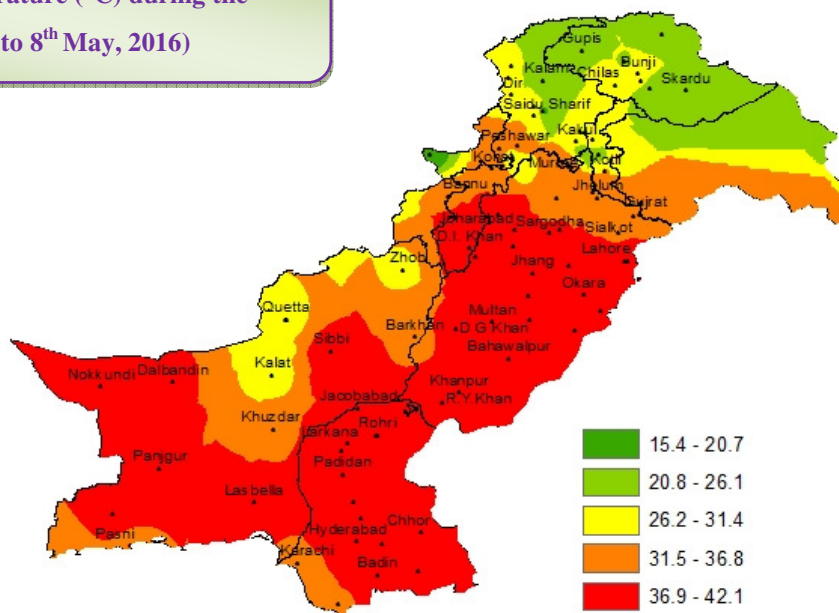
Wheat: Good condition at *Wax Maturity* stage.

Eastern Balochistan (Usta Muhammad)

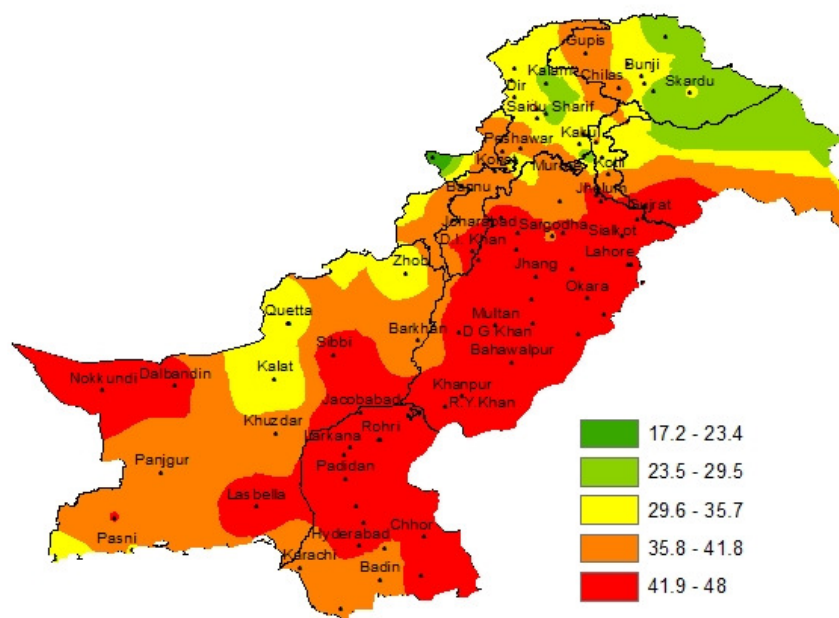
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Wheat: Good condition at *Threshing* stage.

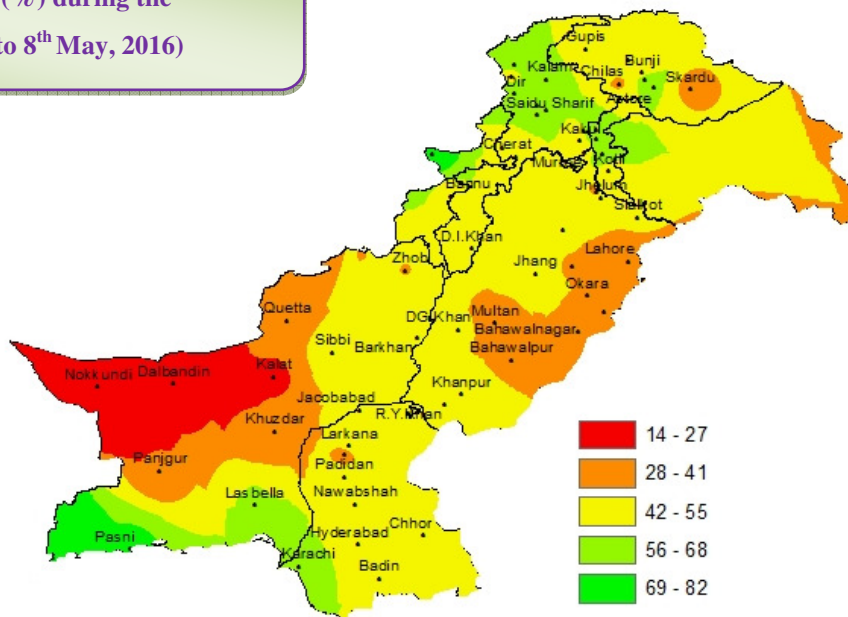
Mean Maximum Temperature (°C) during the
Previous week (from 2nd to 8th May, 2016)



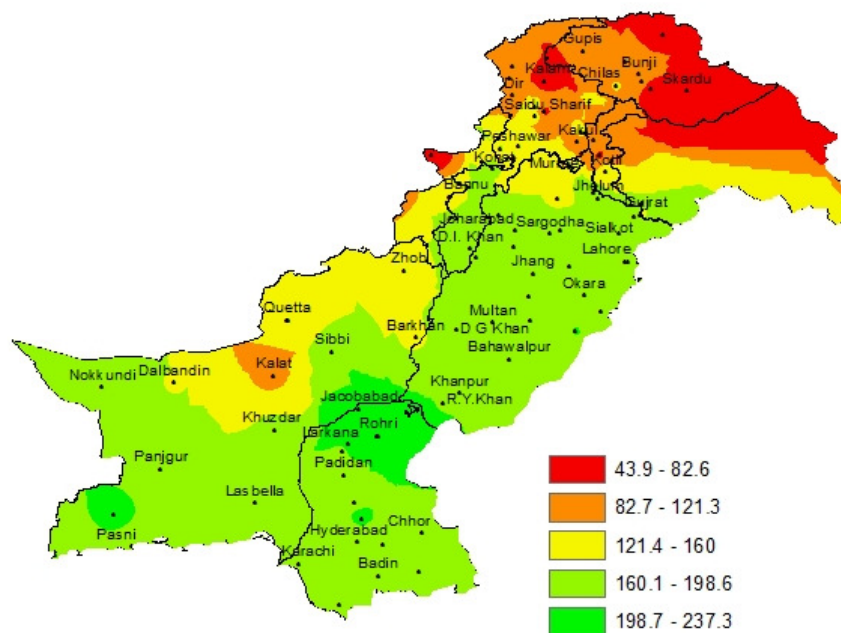
Highest Maximum Temperature (°C) during the
Previous week (from 2nd to 8th May, 2016)



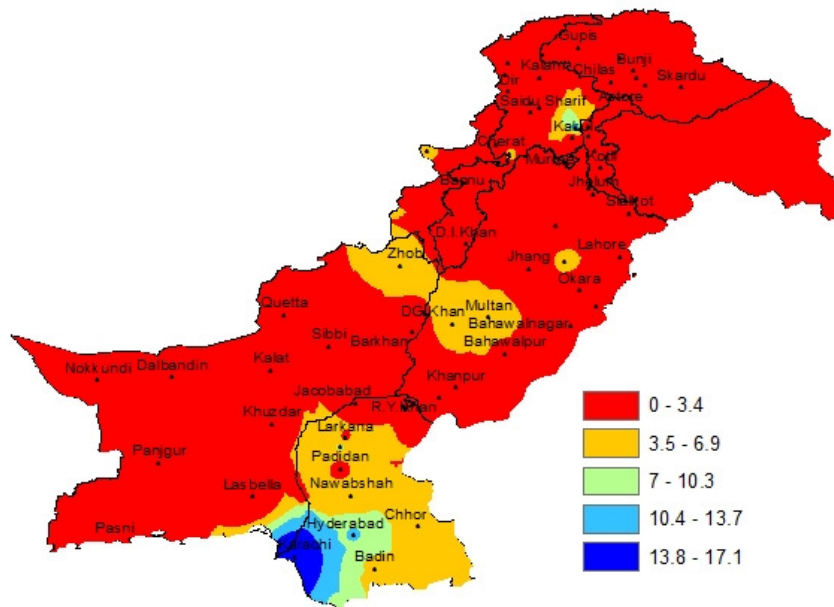
Mean Relative Humidity (%) during the
Previous week (from 2nd to 8th May, 2016)



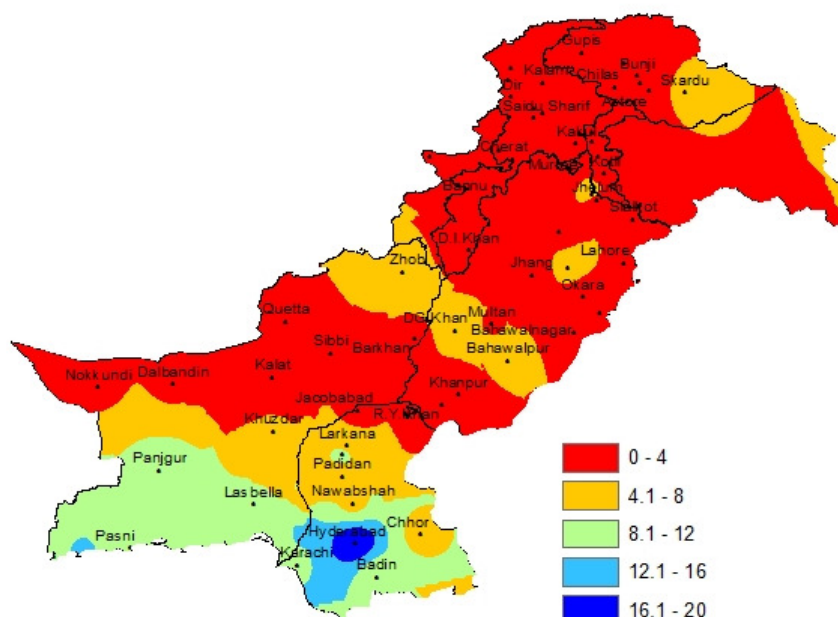
Total Growing Degree Days accumulated during the
Previous week (from 2nd to 8th May, 2016)



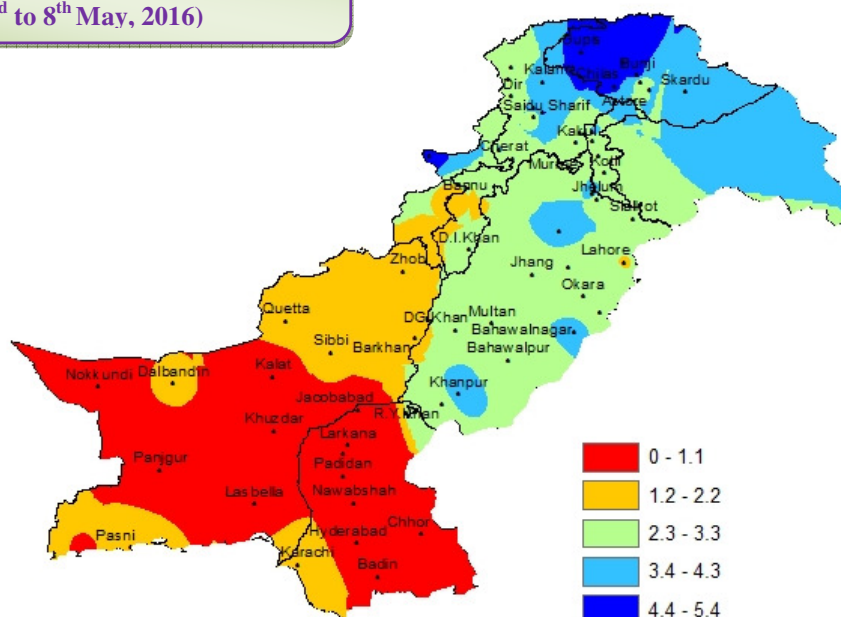
Mean Wind Speed (Knots) at 0300 PST during the
Previous week (from 2nd to 8th May, 2016)



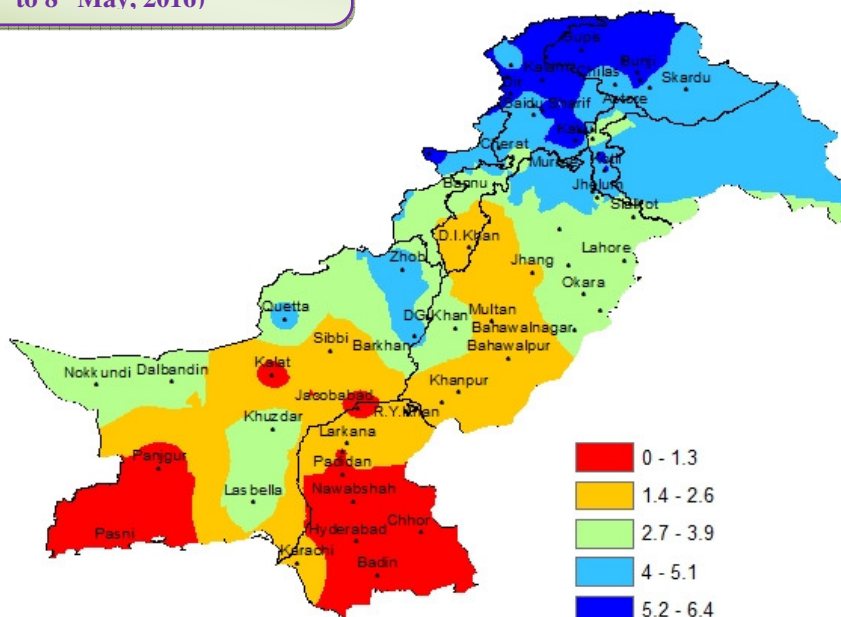
Mean Wind Speed (Knots) at 1200 PST during the
Previous week (from 2nd to 8th May, 2016)



Mean Cloudiness (Oktas) at 0800PST during the
Previous week (from 2nd to 8th May, 2016)



Mean Cloudiness (Oktas) at 1200 PST during the
Previous week (from 2nd to 8th May, 2016)



Weekly Weather Advisory for Farmers**(from 9th to 15th May, 2016)**

Low pressure area lies over northeast Balochistan and its adjoining area with its trough extending southeastwards. A shallow westerly wave is likely to affect upper parts of the country during next 2-3 days accompanied by some eastern currents. The westerly wave is likely to grip upper and central parts during the midweek and will persist till Saturday.

MONDAY**09-05-2016**

Very hot and dry weather is expected over most parts of the country. Rain-thunderstorms with strong gusty winds are expected at few places in Kashmir, FATA, Islamabad, Malakand, Hazara, Peshawar, Mardan, Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad, Quetta and Zhob divisions, while dust raising winds in south Punjab (Multan, Bahawalpur, D.G Khan division), Mirpurkhas and Hyderabad divisions during evening/night.

TUESDAY**10-05-2016**

Very hot and dry weather is expected over most parts of the country. Rain-thunderstorm with strong gusty winds is expected at different places in Kashmir, FATA, Islamabad, KP (Malakand, Hazara, Peshawar, Mardan, Kohat, Bannu, D.I Khan divisions), upper Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad divisions), while at few places in Multan, Sahiwal, Quetta, Sibbi, Zhob divisions and Gilgit-Baltistan. Dust raising winds are also expected in south Punjab (Multan, Bahawalpur, D.G Khan division), Mirpurkhas and Hyderabad divisions.

WEDNESDAY**11-05-2016**

Rain-thunderstorm with strong gusty winds is expected at different places in Kashmir, Gilgit-Baltistan, FATA, Islamabad, KP (Malakand, Hazara, Peshawar, Mardan, Kohat, Bannu, D.I Khan divisions), upper Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad divisions), while at few places in Multan, Sahiwal, Quetta, Sibbi, Zhob divisions. Dust raising winds are also expected in south Punjab (Multan, Bahawalpur, D.G Khan division), Mirpurkhas and Hyderabad divisions. Hot and dry weather elsewhere in the country.

THURSDAY**12-05-2016**

Rain-thunderstorm with strong gusty winds is expected at different places in Kashmir, Gilgit-Baltistan, FATA, Islamabad, KP (Malakand, Hazara, Peshawar, Mardan,

Kohat, Bannu, D.I Khan divisions), upper Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad divisions), while at few places in Multan, Sahiwal, Quetta, Sibbi, Zhob divisions. Dust raising winds are also expected in south Punjab (Multan, Bahawalpur, D.G Khan division), Mirpurkhas and Hyderabad divisions. Hot and dry weather elsewhere in the country.

FRIDAY**13-05-2016**

Rain-thunderstorm with strong gusty winds is expected at different places in Kashmir, Gilgit-Baltistan, FATA, Islamabad, KP (Malakand, Hazara, Peshawar, Mardan, Kohat, Bannu, D.I Khan divisions), upper Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad divisions), while at few places in Multan, Sahiwal, Sukkur, Larkana, Kalat, Zhob, Quetta divisions. Hot and dry weather elsewhere in the country.

SATURDAY**14-05-2016**

Rain-thunderstorm with strong gusty winds is expected at different places in Kashmir, Gilgit-Baltistan, FATA, Islamabad, KP (Malakand, Hazara, Peshawar, Mardan, Kohat, Bannu, D.I Khan divisions), upper Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad divisions), while at few places in Multan, Sahiwal, Sukkur, Larkana, Kalat, Zhob, Quetta divisions. Hot and dry weather elsewhere in the country.

SUNDAY**15-05-2016**

Rain-thunderstorm with strong gusty winds is expected at different places in Kashmir, Gilgit-Baltistan, FATA, Islamabad, upper KP (Malakand, Hazara, Peshawar, Mardan, Kohat divisions), upper Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore divisions). Hot and dry weather elsewhere in the country.

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 2nd to 8th 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	20.8	24.5	47.7	55	16.2	3.3	4.4	1.4	0.9
Badin	39.6	41.0	190.6	51	0.0	1.0	0.7	6.3	8.6
Bahawalnagar	40.3	44.0	198.9	37	0.1	3.4	2.7	0.3	1.1
Bahawalpur	39.6	44.2	191.5	40	5.7	2.3	1.3	2.6	6.0
Balakot	30.4	36.5	130.4	53	3.5	2.6	5.7	15.1	0.9
Bannu	36.3	40.2	155.5	48	17.0	1.7	2.7	2.3	3.4
Barkhan	33.7	37.5	155.3	41	1.0	1.9	4.0	0.3	2.3
Bunji	30.0	32.5	114.5	48	6.3	5.0	5.7	0.6	1.7
Cherat	26.6	31.0	118.5	47	7.5	2.6	3.6	3.7	2.3
Chhor	40.6	42.5	191.9	51	0.0	0.4	0.7	5.1	6.6
Chilas	29.3	39.0	122.3	40	7.4	4.4	4.1	0.3	2.0
Chitral	26.6	32.0	94.7	60	17.6	2.3	4.7	0.0	1.4
D.I.Khan	39.2	42.0	185.9	46	0.2	2.4	1.4	0.0	0.3
Dalbandin	38.0	42.5	159.0	25	0.0	1.3	2.9	1.4	3.4
DG.Khan	40.6	44.0	191.3	43	1.2	2.7	3.0	6.0	7.1
Dir	26.6	33.0	93.9	66	26.0	2.7	5.3	0.0	1.7
Drosh	27.3	33.5	105.5	50	17.6	3.0	5.9	0.0	2.6
Faisalabad	39.7	44.1	188.5	39	2.4	1.7	2.6	1.1	2.7
Garidopatta	30.7	36.0	120.7	59	0.0	3.0	3.0	0.0	0.0
Gawader	34.7	35.1	178.3	74	0.0	0.6	0.0	0.0	12.9
Gilgit	25.2	31.5	87.0	52	6.2	5.4	5.9	2.0	1.4
Gupis	24.9	40.6	88.1	48	11.0	4.7	5.6	1.7	2.9

Hyderabad	40.1	42.0	187.9	48	0.0	0.6	0.9	10.6	20.0
Islamabad	34.2	40.0	149.0	50	0.1	2.3	4.3	0.6	2.0
Jacobabad	41.3	45.0	201.7	41	2.1	0.6	1.1	1.7	2.0
Jhang	39.5	43.2	181.8	48	0.1	2.4	2.4	0.0	0.3
Jhelum	36.5	43.0	168.6	48	1.1	2.9	3.7	0.9	2.0
Jiwani	33.3	34.5	171.4	69	0.0	2.1	0.6	1.4	9.1
Kakul	27.9	32.0	112.1	52	1.5	3.3	6.4	0.0	1.1
Kalam	21.7	28.0	67.1	59	34.7	3.1	6.1	0.0	1.4
Kalat	28.8	30.0	112.7	24	0.0	0.0	1.0	0.0	0.0
Karachi	35.3	36.6	182.0	65	0.0	2.0	1.7	17.1	11.4
Khanpur	40.1	45.0	194.2	46	4.2	4.0	2.4	0.9	0.0
Khuzdar	33.9	37.5	166.1	30	1.0	0.0	3.1	2.0	4.6
Kotli	31.6	36.5	137.6	48	1.1	3.0	5.1	1.7	2.6
Lahore	38.0	44.0	184.6	33	0.2	2.1	2.9	2.3	3.4
Larkana	42.0	46.0	205.2	47	0.2	0.0	2.1	2.9	4.3
Lasbella	40.0	43.6	193.3	57	29.0	0.3	2.9	0.0	8.6
Lower Dir	31.2	36.5	138.3	63	14.0	3.4	4.4	1.1	1.7
M.B Din	37.1	43.5	175.3	44	0.3	3.7	3.7	0.6	2.3
Malam Jabba	18.9	23.5	71.8	58	15.0	4.4	5.9	1.4	2.3
Mangla	35.8	42.2	165.1	39	0.3	3.6	4.1	2.6	6.0
Mir Khani	27.5	34.0	109.8	60	19.6	2.3	5.3	0.0	2.7
Moinjodaro	41.4	46.0	196.6	37	0.1	0.0	1.1	7.4	10.0
Multan	39.2	43.2	195.2	36	2.1	2.4	2.1	5.4	3.4
Murree	22.2	26.0	92.2	50	0.1	3.1	4.0	2.0	2.7
Muzaffarabad	29.5	34.2	112.1	59	1.0	3.0	5.4	0.4	2.6
Nawabshah	42.1	47.0	196.1	43	15.0	0.7	0.0	4.6	6.8

Nokkundi	39.3	43.5	189.0	14	0.0	0.4	3.1	1.1	3.4
Okara	40.6	45.2	193.2	40	0.2	3.1	2.9	1.1	1.1
Padidan	41.8	46.0	194.7	46	23.0	0.3	1.1	2.6	6.0
Panjgur	37.5	39.0	170.0	28	1.0	0.0	0.9	1.1	10.6
Parachinar	15.3	17.2	43.7	82	81.7	5.0	5.6	3.6	3.0
Pasni	34.6	35.5	176.8	74	0.0	2.1	0.0	1.7	10.3
Peshawar	34.4	38.5	161.2	53	2.1	3.3	4.6	1.1	1.7
Quetta	29.4	33.4	122.8	32	0.6	2.3	4.1	1.8	3.6
R.Y.Khan	41.6	46.0	198.2	50	0.2	2.4	1.3	1.4	2.3
Rawalakot	24.3	31.0	78.2	65	0.1	3.1	5.3	0.6	1.7
Rawalpindi	35.3	40.5	165.2	45	0.0	2.7	3.0	0.5	1.1
Sahiwal	39.7	43.5	183.6	37	1.0	2.7	2.6	2.6	2.0
Saidu Sharif	30.3	36.0	131.8	57	9.0	2.7	4.0	0.0	0.0
Sialkot	36.0	43.4	169.0	43	4.1	3.0	3.7	0.3	1.7
Sibbi	42.2	45.0	189.6	52	8.5	1.7	1.7	1.4	2.6
Skardu	25.2	29.6	77.2	35	0.1	4.0	4.0	0.0	5.9
Tandojam	40.3	42.0	187.4	52	0.0	0.0	0.3	2.5	4.0
Usta.M	42.6	46.5	195.0	41	0.0	1.0	1.1	2.9	2.5
Zhob	30.1	33.5	130.9	41	6.0	1.7	4.1	5.0	7.0

*** Shows that data was not available.