

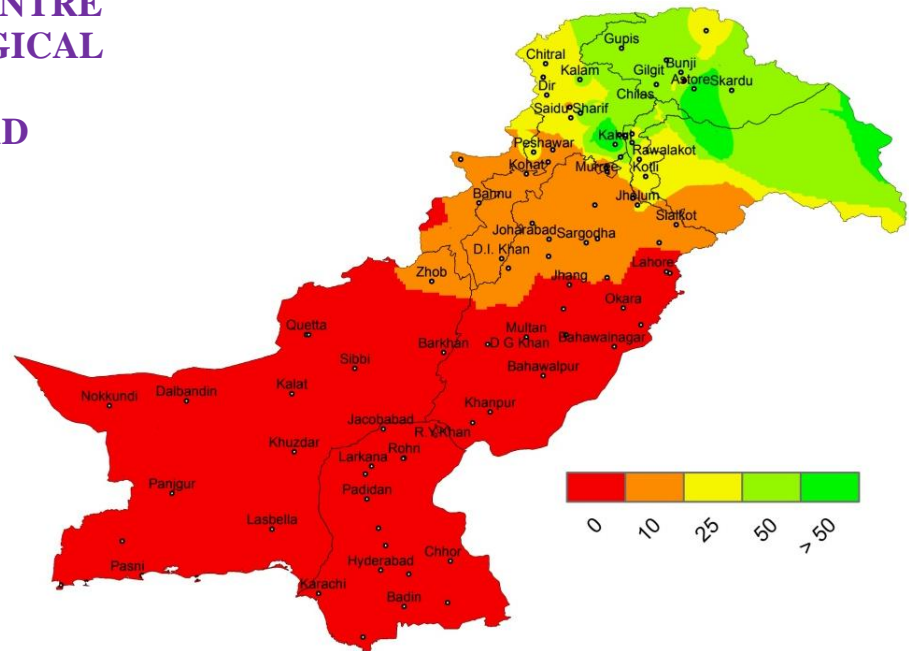
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall distribution (mm) during the
Last week (from 20th to 26th May, 2013)**



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Highlights of Past Weather (20th to 26th May, 2013)

Light to moderate rainfall occurred in most of the agricultural plains of the country during the week except Balochistan and Sindh where dry weather prevailed. Where as the day temperatures are touching the highest values (50°C) at some places in southern half.

Patron-in-Chief: Arif Mahmood (Director General)
Chief Editor: Dr. Khalid Mehmood Malik (Director)
Editor: Dildar Hussain Kazmi (Meteorologist)

Punjab

Light to moderate rainfall reported in most parts of the province during the week. Weekly maximum temperature and minimum temperature recorded as 44.9 °C & 26.7°C respectively. For the present season on average 217.9 growing degree days accumulated by the end of last week. Average relative humidity recorded as 40% and wind speed in the morning/evening recorded as 2.4/4.7 Knots. During the previous week highest amount of rainfall reported at Islamabad as 7.0 mm and extreme maximum temperature recorded as 50.2 °C at the Noorpurthal.

Sindh

No rainfall reported in the province during the week. Weekly maximum temperature and minimum temperature recorded as 43.8°C & 27.2°C respectively. For the present season on average 20.8 growing degree days accumulated by the end of last week. Average relative humidity recorded as 40% and wind speed in the morning/evening recorded as 3.5/5.8 Knots. Extreme maximum temperature recorded as 50.0°C at Jacobabad.

Khyber Pakhtunkhwa

Light to moderate rainfall reported from most of the agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 36.2°C & 19.6°C respectively. For the present season on average 152.3 growing degree days accumulated by the end of last week. Average relative humidity recorded as 39 % and wind speed in the morning/evening recorded as 1.2/3.0 Knots. During the previous week the highest rainfall recorded at Kakul as 56.0 mm and extreme maximum temperature recorded as 47.0°C at D.I.Khan.

Balochistan

No rainfall reported in the province during the week. Weekly maximum temperature and minimum temperature recorded as 38.3°C & 18.6 °C respectively. For the present season on average 155.2 growing degree days accumulated by the end of last week. Average relative humidity recorded as 35% and wind speed in the morning/evening recorded as 4.0/6.8 Knots. Extreme maximum temperature recorded as 49.0 °C at Sibbi.

Gilgit Baltistan and Azad Jammu & Kashmir

Light to moderate precipitation reported from most of the agricultural plains of the region during the week. Weekly maximum temperature and minimum temperature recorded as 33.3°C & 16.3°C respectively. For the present season on average 195.3 growing degree days accumulated by the end of last week. Average relative humidity recorded as 44 % and wind speed in the morning/evening recorded as 1.3/3.8 Knots. During the previous week the highest rainfall recorded at Astore as 59.0 mm and extreme maximum temperature recorded as 44.0°C at Pattan.

Past Weather for Major Agricultural Plains (from 20th to 26th May, 2013)

Rawalpindi (Potohar region)

Rainfall reported as 5.8 during the week however cloudiness in the morning/evening 2.0/1.7 Oktas while average relative humidity observed as 35 %. Mean day time temperature recorded as 41.4 °C & for the present season 194.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.2/3.2 Km/h.

Faisalabad (Central Punjab)

No rainfall reported during the week however cloudiness in the morning/evening as 0.0/0.4 Oktas while average relative humidity observed as 26%. Mean day time temperature recorded as 45.1 °C & for the present season 216.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.3/2.9 Km/h.

Tandojam (Lower Sindh)

No rainfall reported during the week, however cloudiness in the morning/evening as 0.4/0.0 Oktas while average relative humidity observed as 52%. Mean day time temperature recorded as 40.9 °C & for the present season 201.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 10.2/13.0 Km/h.

Quetta (Northern Balochistan)

No rainfall reported during the week however cloudiness in the morning/evening as 0.0/0.4 Oktas while average relative humidity observed as 19%. Mean day time temperature observed as 32.4°C & for the present season 131.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.6/6.3 Km/h.

Usta Muhammad (Eastern Balochistan)

No rainfall reported during the week, however cloudiness in the morning/evening as 0.0/0.0 Oktas while average relative humidity observed as 44%. Mean day time temperature recorded as 48.8°C &

for the present season 229.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.6/6.3 Km/h.

Past Weather for sub regional Agri-cultural Plains (from 20th to 26th May, 2013)

Rohri

No rainfall reported during the week however cloudiness in the morning/evening as 0.6/0.0 Oktas while average relative humidity observed as 35 %. Mean day temperature recorded as 46.3°C & for the present season 238.8 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 2.9/4.0 Knots.

Multan

No rainfall reported during the week however cloudiness in the morning/evening as 0.6/0.3 Oktas while average relative humidity observed as 32 %. Mean day temperature recorded as 45.3°C & for the present season 231.7 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 9.4/8.3 Knots.

Lahore

No rainfall reported during the week however cloudiness in the morning/evening as 0.0/0.0 Oktas while average relative humidity observed as 26%. Mean day time temperature recorded as 44.7°C & for the present season 222.3 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 2.3/5.1 Knots.

Zhob

No rainfall reported during the week however cloudiness in the morning/evening as 0.0/0.0 Oktas while average relative humidity observed as 16%. Mean day temperature recorded as 38.6°C & for the present season 178.8 growing degree days accumulated by the end of last week. . Wind recorded in the morning/evening as 5.0/7.9Knots.

D.I. Khan

Rainfall reported as 0.1 mm during the week however cloudiness in the morning/evening as 0.1/0.6 Oktas while average relative humidity observed as 36%. Mean day temperature recorded as 45.5°C & for the present season 212.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/0.0 Knots.

Peshawar

Rainfall reported as 1.0 mm during the week however cloudiness in the morning/evening as 1.0/1.7 Oktas while average relative humidity observed as 42%. Mean day temperature recorded as 42.1°C & for the present season 168.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/3.0 Knots.

Murree

Rainfall reported as 2.0 mm during the week however cloudiness in the morning/evening as 1.7/1.9 Oktas while average relative humidity observed as 28%. Mean day temperature recorded as 30.0°C & for the present season 156.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.4/2.0 Knots.

Kalam

Rainfall reported as 17.0 mm during the week however cloudiness in the morning/evening as 0.0/0.0 Oktas while average relative humidity observed as 29%. Mean day temperature recorded as 28.4°C & for the present season 101.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.0 Knots.

Gilgit

Rainfall reported as 32.1 mm during the week, however cloudiness in the morning/evening as 4.1/5.4 Oktas while average relative humidity observed as 48%. Mean day temperature recorded as 33.6°C & for the present season 124.4 growing

degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 1.1/2.0 Knots.

Skardu

Rainfall reported as 26.2 mm during the week however cloudiness in the morning/evening as 4.1/5.6 Oktas while average relative humidity observed as 48%. Mean day temperature recorded as 34.2 °C & for the present season 145.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/5.6 Knots.

Crop Situation for major agricultural plains (based on data from Regional Agromet Centres)

Potohar Region (Rawalpindi)

There is presently no crop in the fields.

Central Punjab (Faisalabad)

There are two crops (irrigated conditions) grown in the fields as detailed below.

Sugarcane: Good condition at *Tillering* stage completed .

Cotton: Good condition , *Third Leaf* stage completed.

Lower Sindh (Tandojam)

There is only one crop (irrigated conditions) grown in the fields as detailed below.

Cotton(BT-3701): Good condition at third leaf stage.

Northern Balochistan (Quetta)

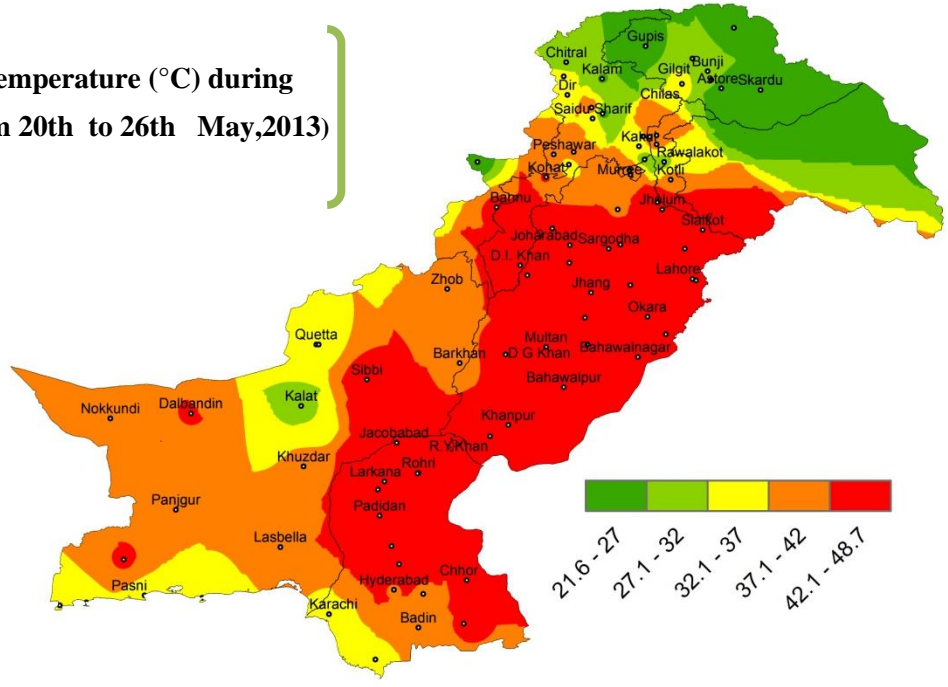
There is presently only one crop (rainfed conditions) grown in the fields as detailed below.

Wheat: Good condition at *Full Maturity* stage.

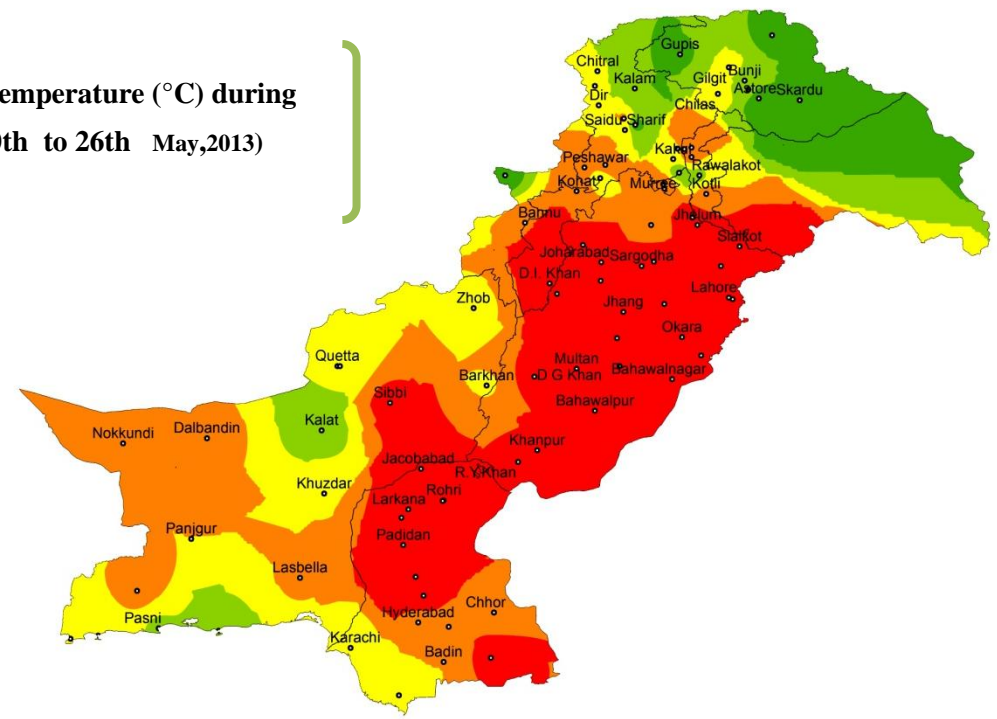
Eastern Balochistan (Usta Muhammad)

There is presently no crop in the fields.

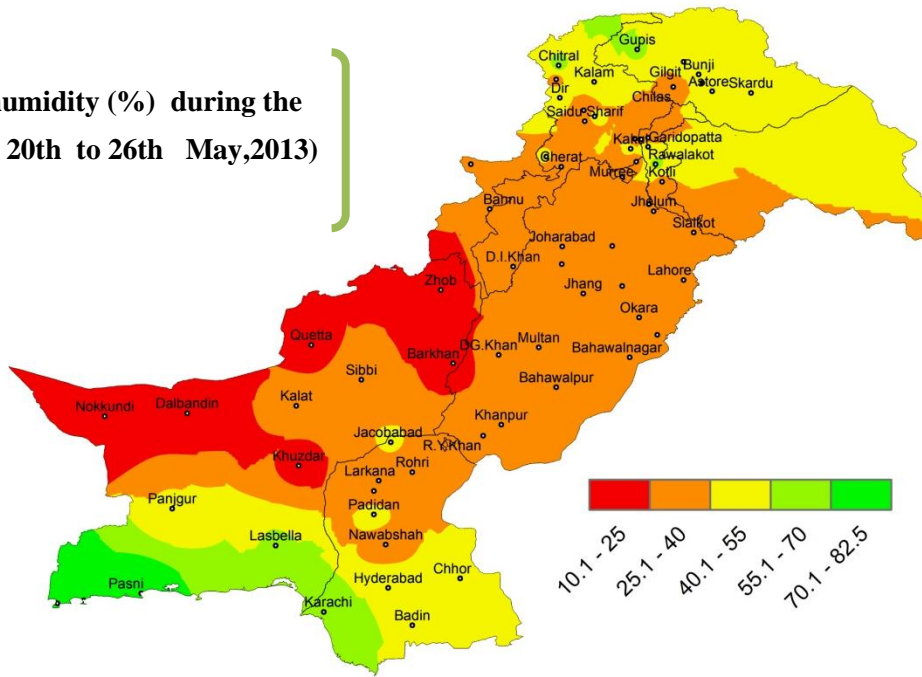
Mean maximum temperature (°C) during the last week (from 20th to 26th May, 2013)



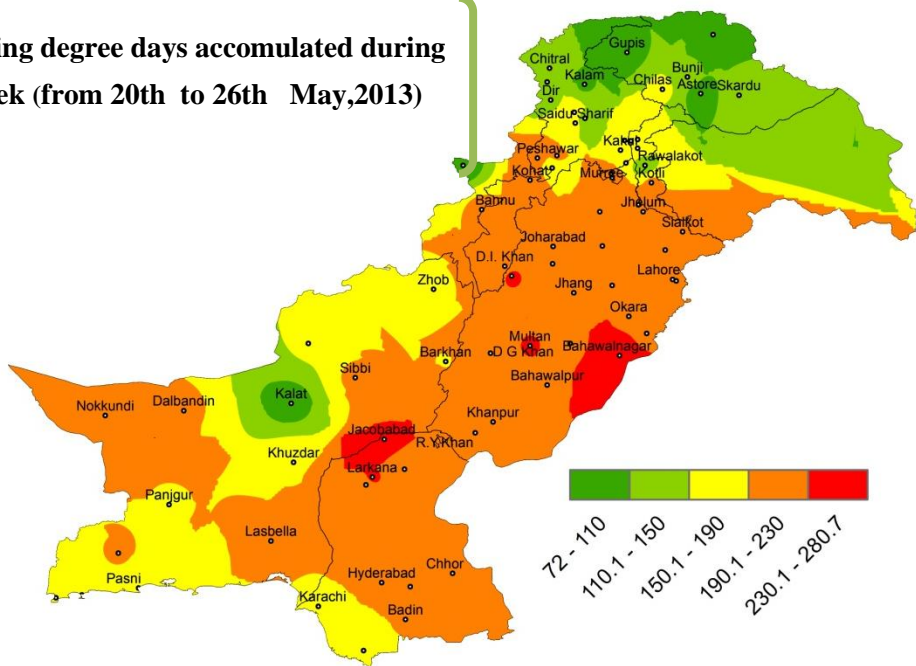
Extreme maximum temperature (°C) during the last week (from 20th to 26th May, 2013)



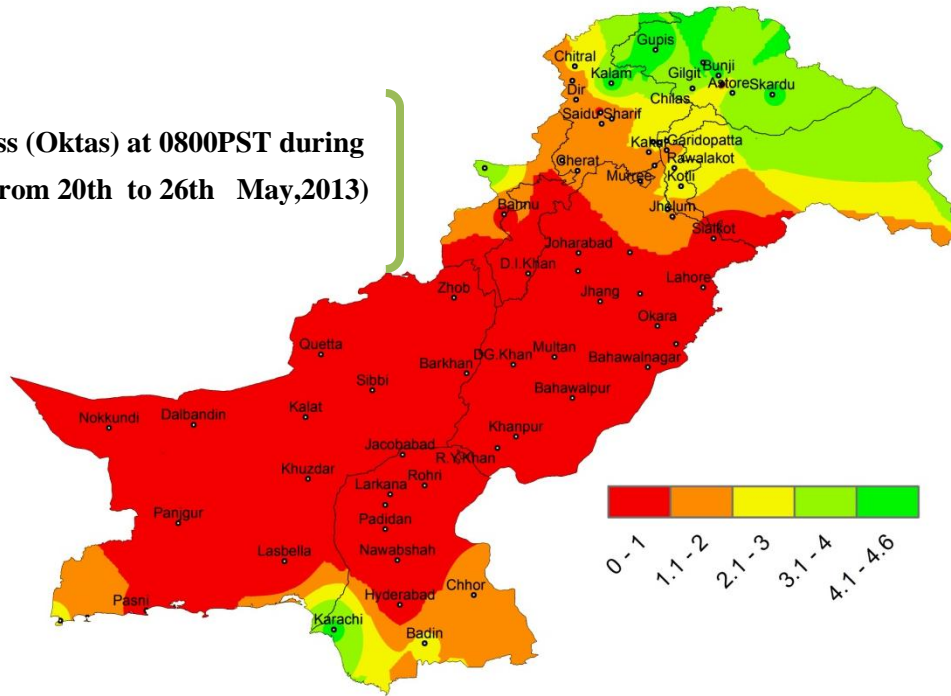
Mean relative humidity (%) during the last week (from 20th to 26th May,2013)



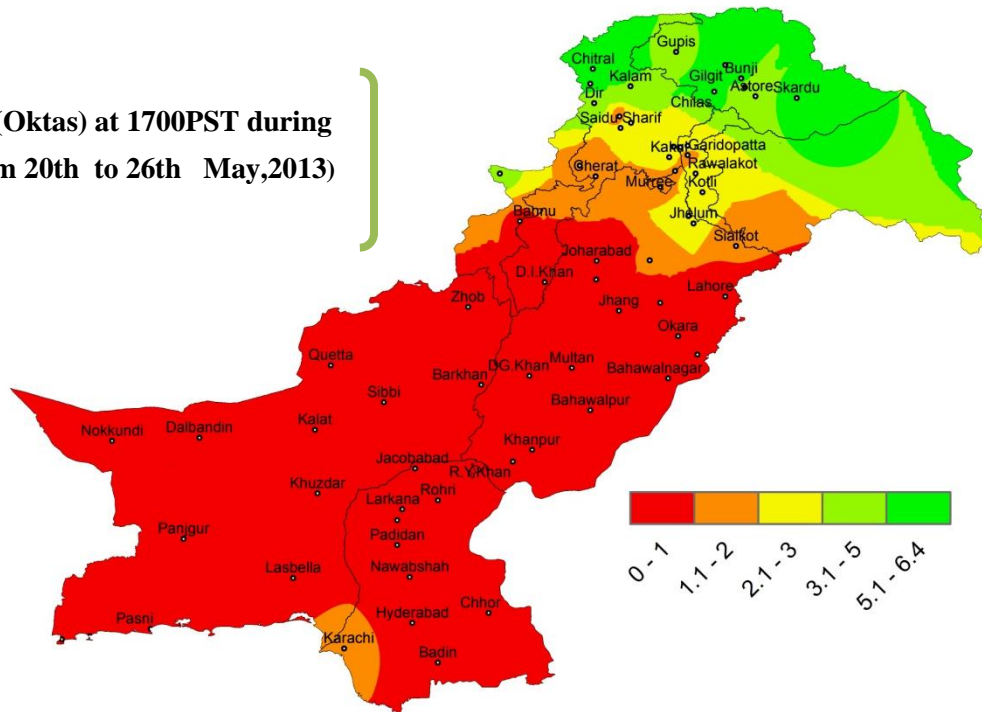
Total growing degree days accumulated during the last week (from 20th to 26th May,2013)



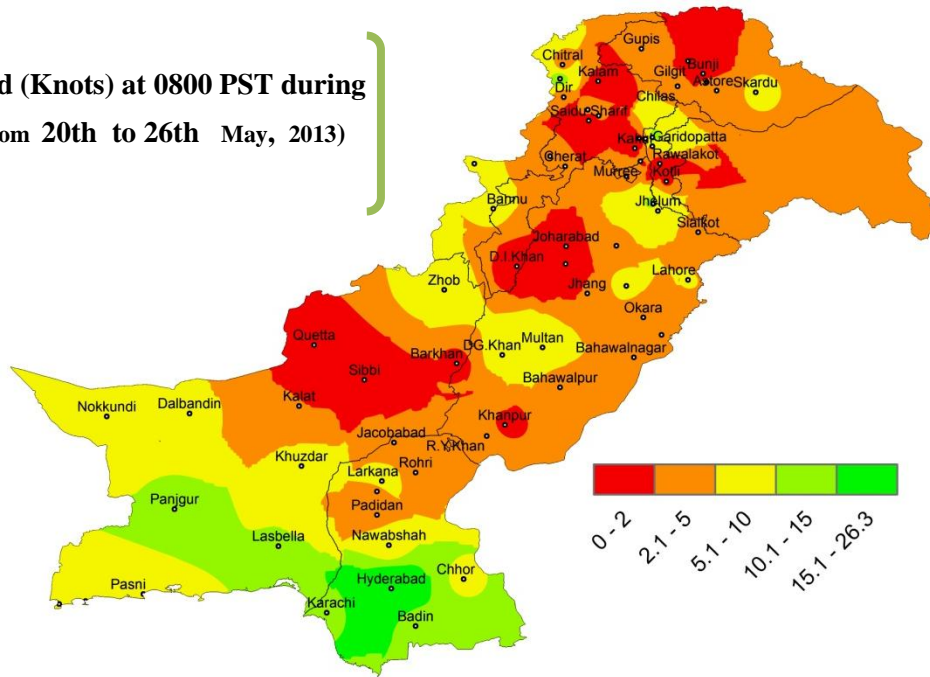
Mean Cloudiness (Oktas) at 0800PST during the last week (from 20th to 26th May,2013)



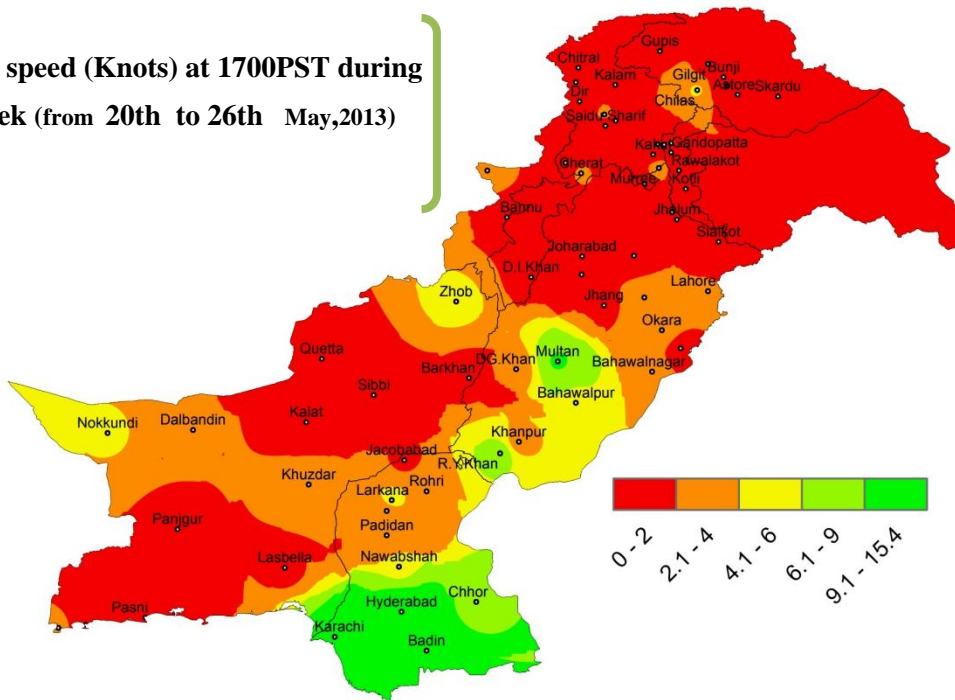
Mean Cloudiness (Oktas) at 1700PST during the last week (from 20th to 26th May,2013)



Mean wind speed (Knots) at 0800 PST during the last week (from 20th to 26th May, 2013)



Mean wind speed (Knots) at 1700 PST during the last week (from 20th to 26th May, 2013)



Weekly Weather advisory for Farmers (from 27th May to 2nd June , 2013)

Seasonal low lies over northeast Balochistan and its adjoining areas. Continental air would prevail over most parts of the country during the current week. A shallow westerly trough is affecting northern areas of the country and likely to persist during next 48 hours.

Punjab including Islamabad:

Hot to very Hot & Dry weather is expected in most parts of the province during the current week; however dust thunderstorm with light rain is expected at one or two places of northeast Punjab during today evening/night.

Khyber Pakhtunkhwa:

Hot to very Hot & Dry weather is expected in most parts of the province during the current week; however thunderstorm with light rain is expected at isolated places of Malakand and Hazara divisions during Monday (evening/night) and Tuesday.

Balochistan:

Heat wave conditions likely to continue in most parts of Balochistan during the current week..

Sindh:

Very Hot & Dry weather is expected in most parts of the province during the current week.

Kashmir:

Hot & dry weather is expected in most parts of Kashmir during the week. However, thunderstorm/Rain with gusty winds is expected at isolated places in Kashmir from Monday to Wednesday

Gilgit-Baltistan:

Dry weather is expected in most parts of G-B during the current week. However, thunderstorm/Rain with gusty winds is expected at isolated places in Gilgit-Baltistan from Monday to Wednesday

Advices for Crops:

Sugarcane: Farmers are advised to manage irrigation practices as per weather prediction during the week.

General Information Farmers of rainfed areas, obtaining crop water through tube wells are advised to schedule the irrigation according to the expected weather mentioned above during the week. It is advised to ensure field sanitation and spray prophylactic fungicidal sprays to prevent spread of diseases on vegetables. Farmers should also free the crops from excess of weeds after recent rains especially in upper half of the country.

National Weather Data of Selected Cities
(Weekly Data from 20th to 26th May, 2013)

Stations	Minimum/Day Temperature (°C)		Growing Deg. Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness Oktas 0800PST	Cloudiness Oktas 1700PST	Wind Speed (Knots) 0800PST	Wind Speed (Knots) 1700PST
	Mean	Lowest							
Astore	21.5	27.0	76.4	54	88.0	3.6	4.9	1.1	2.9
Badin	39.3	41.0	194.4	53	0.0	2.1	0.0	10.3	12.0
Bahawalnagar	45.8	48.3	281.0	31	0.0	0.0	0.0	2.3	3.1
Bahawalpur	45.6	47.2	224.3	33	0.0	0.0	0.0	5.4	2.9
Balakot	36.2	40.3	179.2	32	48.0	2.1	2.4	1.6	0.7
Bannu	43.7	46.0	208.1	25	0.0	0.9	0.7	0.9	5.7
Barkhan	39.7	40.5	189.4	17	0.0	0.0	0.6	0.9	1.1
Bunji	30.0	35.6	136.2	44	39.1	4.7	5.7	0.0	0.0
Cherat	34.0	37.0	169.1	26	3.0	1.0	1.6	2.3	2.0
Chhor	42.4	44.2	204.6	49	0.0	1.6	0.0	7.7	8.9
Chilas	33.1	38.1	164.0	33	31.1	3.0	5.3	4.3	2.9
Chitral	31.3	36.5	122.1	60	11.0	2.1	6.4	2.0	3.1
D G Khan	45.1	47.0	212.7	36	0.1	0.6	0.0	1.1	0.0
D.I. Khan	42.0	43.8	196.0	19	0.0	0.0	0.7	2.6	5.4
Dalbandin	45.6	48.1	214.4	35	0.0	0.0	0.7	2.0	6.6
Dir	33.5	37.0	135.3	49	23.0	1.7	4.4	0.0	1.7
Drosh	32.3	36.1	133.2	34	19.0	1.6	5.1	1.1	13.3
Faisalabad	45.1	47.5	225.9	28	0.0	0.7	0.8	3.4	6.3
Garidopatta	37.4	42.5	178.5	51	26.0	1.7	1.4	0.9	4.3
Gawader	35.4	36.0	169.0	70	0.0	1.3	0.0	0.6	10.0
Gilgit	31.1	37.0	***	48	40.0	4.1	5.4	1.1	2.0

Gupis	23.6	29.5	87.1	57	44.0	4.1	4.7	1.4	2.6
Hyderabad	41.6	43.7	200.5	51	0.0	0.6	0.0	15.4	26.3
Islamabad	40.7	44.0	203.1	40	7.1	1.9	1.7	0.6	4.0
Jacobabad	47.9	50.0	233.9	41	0.0	0.4	0.0	1.4	2.3
Jhang	45.3	48.0	200.2	31	0.0	0.1	0.0	1.4	2.0
Jhelum	44.8	47.5	217.4	27	11.0	0.9	2.0	0.6	4.9
Jiwani	34.1	36.0	173.8	77	0.0	2.3	0.0	2.6	7.1
Joharabad	44.5	48.0	213.6	35	2.1	0.9	0.3	1.1	1.7
Kakul	34.6	37.5	149.4	44	74.0	1.9	2.4	0.6	2.0
Kalam	26.6	31.0	101.4	49	26.0	4.4	5.0	0.0	0.6
Kalat	30.3	32.0	87.3	29	0.0	0.0	0.0	0.0	2.0
Karachi	35.5	37.0	186.0	69	0.0	4.1	2.0	11.1	13.7
Khanpur	45.2	46.5	218.8	37	0.0	0.0	0.0	2.6	1.1
Khuzdar	37.9	40.0	185.3	22	0.0	0.0	0.3	3.7	6.0
Kotli	39.9	43.9	200.9	37	18.0	2.3	2.4	1.6	1.6
Lahore	44.4	46.5	222.3	26	0.0	0.0	0.0	2.3	5.1
Larkana	47.4	48.5	230.9	36	0.0	0.6	0.0	5.1	7.1
Lasbella	41.3	42.0	194.1	57	0.0	0.3	0.0	1.1	10.3
Lower Dir	40.6	42.5	196.3	28	6.0	0.9	1.7	2.6	2.9
M.B.din	44.6	47.5	226.5	30	8.0	1.0	1.1	0.6	3.4
Malam Jabba	24.1	27.5	108.6	45	35.0	2.0	2.9	1.7	2.3
Mangla	43.7	46.6	225.4	26	5.0	2.3	2.7	0.0	12.0
Mir Khani	29.3	33.3	***	43	10.0	1.3	3.9	0.0	2.9
Moen-Jo-Daro	47.6	48.5	228.3	25	0.0	0.4	0.0	2.0	3.4
Multan	44.9	46.5	231.7	32	0.0	0.6	0.3	9.4	8.3

Murree	28.7	32.0	156.1	33	28.0	1.7	1.9	3.4	2.0
Muzaffarabad	39.0	43.0	180.5	40	47.0	2.3	2.4	0.6	2.0
Nawabshah	47.4	49.5	***	32	0.0	0.0	0.0	5.0	6.4
Nokkundi	41.9	44.5	210.4	10	0.0	0.0	0.0	4.3	5.4
Noorpur Thal	48.7	50.2	211.5	35	0.0	0.4	0.6	0.0	0.9
Okara	45.0	47.7	215.1	36	0.0	0.0	0.0	2.9	2.0
Padidan	46.7	47.5	***	48	0.0	0.0	0.0	2.0	4.6
Panjgur	40.6	41.0	189.3	43	0.0	0.0	0.0	0.9	12.0
Parachinar	23.0	26.7	71.8	39	0.0	4.0	3.7	3.1	5.6
Pasni	34.2	35.0	171.3	83	0.0	0.7	0.6	2.0	8.0
Pattan	39.4	44.0	189.0	27	17.0	2.1	2.6	2.3	14.4
Peshawar	41.3	43.8	203.8	42	15.0	1.0	1.7	0.7	3.0
Quetta	35.0	36.5	***	19	0.0	0.0	1.0	0.3	1.1
R.Y.Khan	46.4	47.7	221.6	39	0.0	0.0	0.1	7.7	4.3
Rawalakot	30.2	34.5	119.6	59	24.0	2.3	2.7	0.3	1.1
Rohri	44.9	47.0	***	35	0.0	0.6	0.0	2.9	4.0
Sahiwal	43.6	46.6	213.6	39	0.0	0.4	0.0	1.4	2.9
Saidu Sharif	35.9	39.5	157.3	36	19.0	1.3	2.0	0.0	0.0
Sialkot	44.9	47.0	216.0	30	2.0	0.6	1.1	0.0	2.9
Sibbi	47.0	49.0	199.4	34	0.0	0.6	0.0	0.0	0.0
Skardu	23.1	29.8	147.6	48	44.1	4.1	5.6	0.0	5.6
Zhob	37.0	38.5	178.8	16	0.0	0.0	0.9	5.0	7.9

*** Data not available