

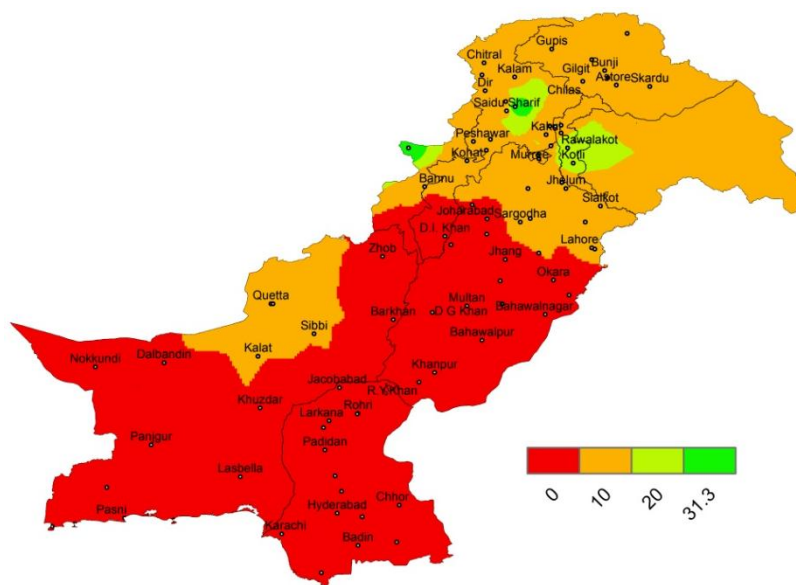
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall distribution (mm) during the
Last week (from 27th May to 2nd June, 2013)**



Contents

Highlights of past weather (General)	1-2
Past weather for Agri Plains	3-4
Crop progress	4
Min Temperature maps	5
R. H & GDD	6
Cloudiness maps	7
Wind speed maps	8
Farmers advisory	9
National data for selected stations	10-12

Highlights of Past Weather (27th May to 2nd June, 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 40.8 °C & 24.5°C respectively. For the present season on average 186.8 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 3.5/4.1 Knots. During the previous week highest amount of rainfall reported at Murree as 27.0 mm and extreme maximum temperature recorded as 46.2 °C at the Bahawalnagar.

Sindh

No rainfall reported in the province during the week. Weekly maximum temperature and minimum temperature recorded as 42.5°C & 27.2°C respectively. For the present season on average 207.2 growing degree days accumulated by the end of last week. Average relative humidity recorded as 46% and wind speed in the morning/evening recorded as 6.6/7.4 Knots. Extreme maximum temperature recorded as 49.0°C at Dadu.

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 34.3°C & 17.3°C respectively. For the present season on average 142.1 growing degree days accumulated by the end of last week. Average relative humidity recorded as 38 % and wind speed in the morning/evening recorded as 1.6/3.2 Knots. During the previous week the highest rainfall recorded at Malam Jaba as 30.0 mm and extreme maximum temperature recorded as 44.0°C at D.I.Khan.

Balochistan

No rainfall reported in the province during the week. Weekly maximum temperature and minimum temperature recorded as 37.5°C & 23.5 °C respectively. For the present season on average 170.9 growing degree days accumulated by the end of last week. Average relative humidity recorded as 38% and wind speed in the morning/evening recorded as 1.3/5.9 Knots. Extreme maximum temperature recorded as 45.0 °C at Punjgur.

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 30.1°C & 13.2°C respectively. For the present season on average 117.4 growing degree days accumulated by the end of last week. Average relative humidity recorded as 45 % and wind speed in the morning/evening recorded as 1.6/2.7 Knots. During the previous week the highest rainfall recorded at Garhi Dopatta as 36.0 mm and extreme maximum temperature recorded as 40.6°C at Muzaffarabad.

Past Weather for Major Agricultural Plains (from 27th May to 2nd June, 2013)

Rawalpindi (Potohar region)

Rainfall reported as 0.4 during the week however cloudiness in the morning/evening 0.0/0.0 Oktas while average relative humidity observed as 36 %. Mean day time temperature recorded as 39.1 °C & for the present season 180.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.8/2.0 Km/h.

Faisalabad (Central Punjab)

No rainfall reported during the week however cloudiness in the morning/evening as 0.0/0.0 Oktas while average relative humidity observed as 36%. Mean day time temperature recorded as 41.4 °C & for the present season 198.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.1/3.4 Km/h.

Tandojam (Lower Sindh)

No rainfall reported during the week, however cloudiness in the morning/evening as 0.0/0.0 Oktas while average relative humidity observed as 55%. Mean day time temperature recorded as 40.7 °C & for the present season 200.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 8.6/7.4 Km/h.

Quetta (Northern Balochistan)

No rainfall reported during the week however cloudiness in the morning/evening as 4.1/5.7 Oktas while average relative humidity observed as 19%. Mean day time temperature observed as 33.2°C & for the present season 199.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.1/5.7 Km/h.

Usta Muhammad (Eastern Balochistan)

No rainfall reported during the week, however cloudiness in the morning/evening as 4.2/5.3Oktas while average relative humidity observed as 46%. Mean day time temperature recorded as 46.1°C &

for the present season 218.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.2/5.3 Km/h.

Past Weather for sub regional Agri-cultural Plains (from 27th May to 2nd June, 2013)

Rohri

No rainfall reported during the week however cloudiness in the morning/evening as 0.0/0.0 Oktas while average relative humidity observed as 40 %. Mean day temperature recorded as 45.5°C & for the present season 220.5 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 3.1/3.7 Knots.

Multan

No rainfall reported 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 45.5°C & for the present season 213.8 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 4.6/5.7 Knots.

Lahore

No rainfall reported during the week however cloudiness in the morning/evening as 0.3/0.4 Oktas while average relative humidity observed as 30%. Mean day time temperature recorded as 43.5°C & for the present season 199.1 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 6.7/5.1 Knots.

Zhob

No rainfall reported during the week however cloudiness in the morning/evening as 0.0/1.3 Oktas while average relative humidity observed as 16%. Mean day temperature recorded as 38.5°C . Wind recorded in the morning/evening as 2.9/7.7 Knots.

D.I. Khan

No rainfall reported during the week however cloudiness in the morning/evening as 0.0/0.0 Oktas while average relative humidity observed as 31%. Mean day temperature recorded as 45.0°C & for the present season 198.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/0.6 Knots.

Peshawar

Rainfall reported as 7.1 mm during the week however cloudiness in the morning/evening as 1.7/2.4 Oktas while average relative humidity observed as 46%. Mean day temperature recorded as 41.0°C & for the present season 178.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/2.9 Knots.

Murree

Rainfall reported as 9.0 mm during the week however cloudiness in the morning/evening as 2.2/1.6 Oktas while average relative humidity observed as 41%. Mean day temperature recorded as 27.5°C & for the present season 99.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.3/0.9 Knots.

Kalam

Rainfall reported as 6.0 mm during the week however cloudiness in the morning/evening as 0.3/2.1 Oktas while average relative humidity observed as 44%. Mean day temperature recorded as 29.5°C & for the present season 82.0 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 3.4 mm during the week, however cloudiness in the morning/evening as 2.5/2.7 Oktas while average relative humidity observed as 51%. Mean day temperature recorded as 37.0°C & for the present season 112.6 growing degree days accumulated by the end of last week.

Wind speed recorded in the morning/evening 0.0/2.6 Knots.

Skardu

Rainfall reported as 0.1 mm during the week however cloudiness in the morning/evening as 3.0/2.4 Oktas while average relative humidity observed as 40%. Mean day temperature recorded as 30.6 °C & for the present season 77.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.6 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* completed .

Cotton: Good condition , *Third Leaf* 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 true leaf* .

Northern Balochistan (Quetta)

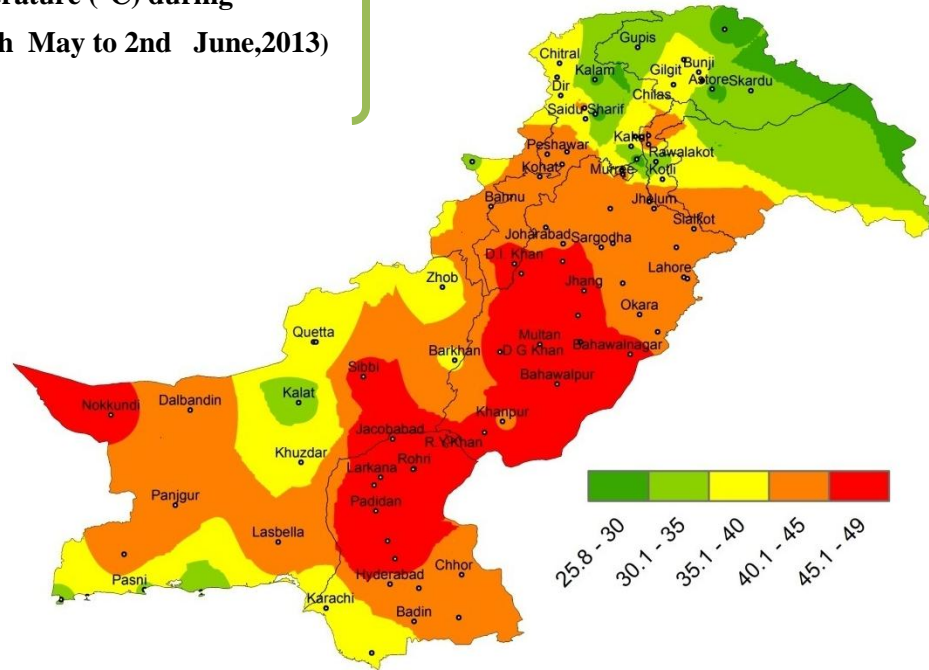
There is presently only one crop (rainfed conditions) grown in the fields as detailed below.

Wheat: Harvested.

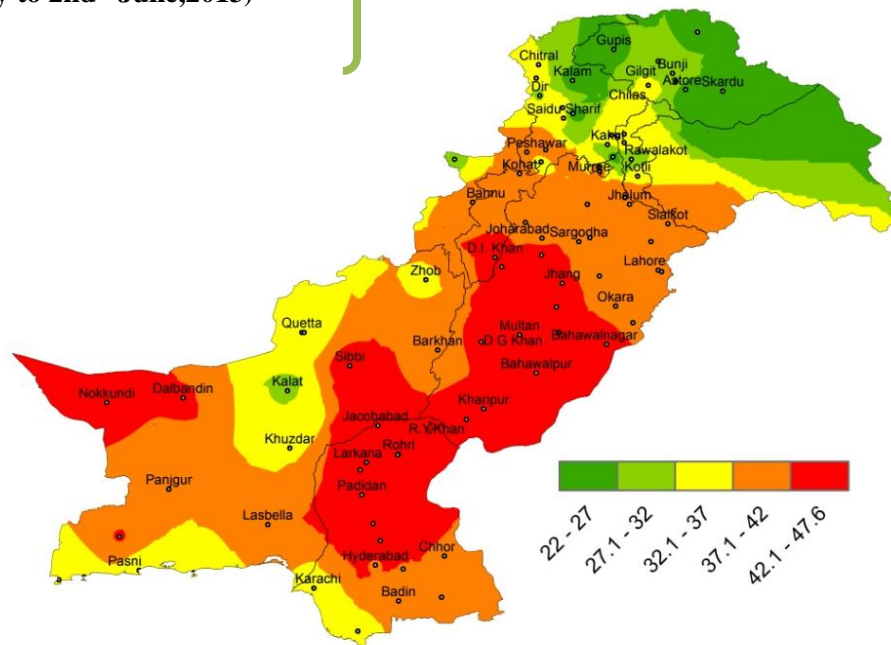
Eastern Balochistan (Usta Muhammad)

Field is ready for up coming Rice crop.

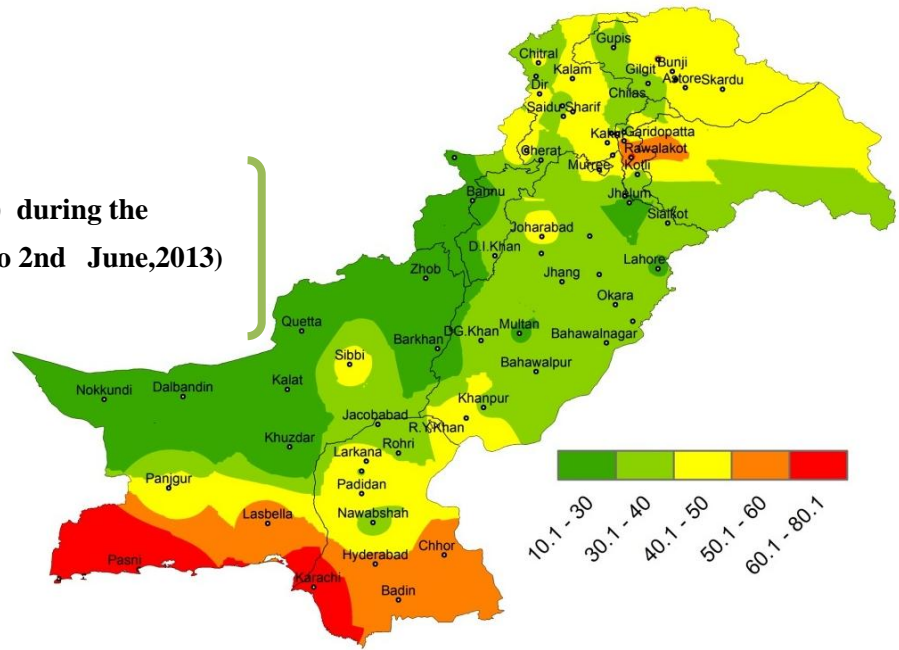
Mean maximum temperature (°C) during the last week (from 27th May to 2nd June, 2013)



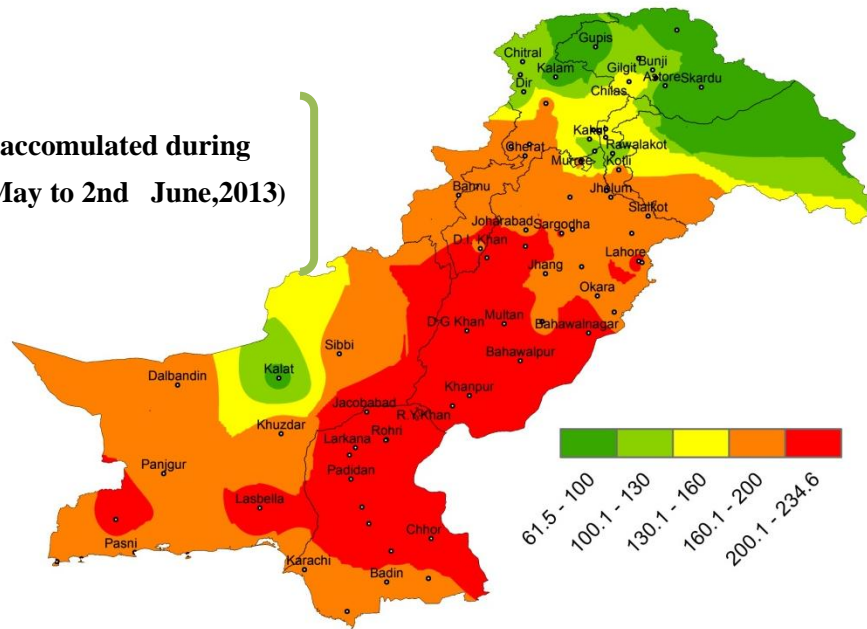
Extreme maximum temperature (°C) during the last week (from 27th May to 2nd June, 2013)



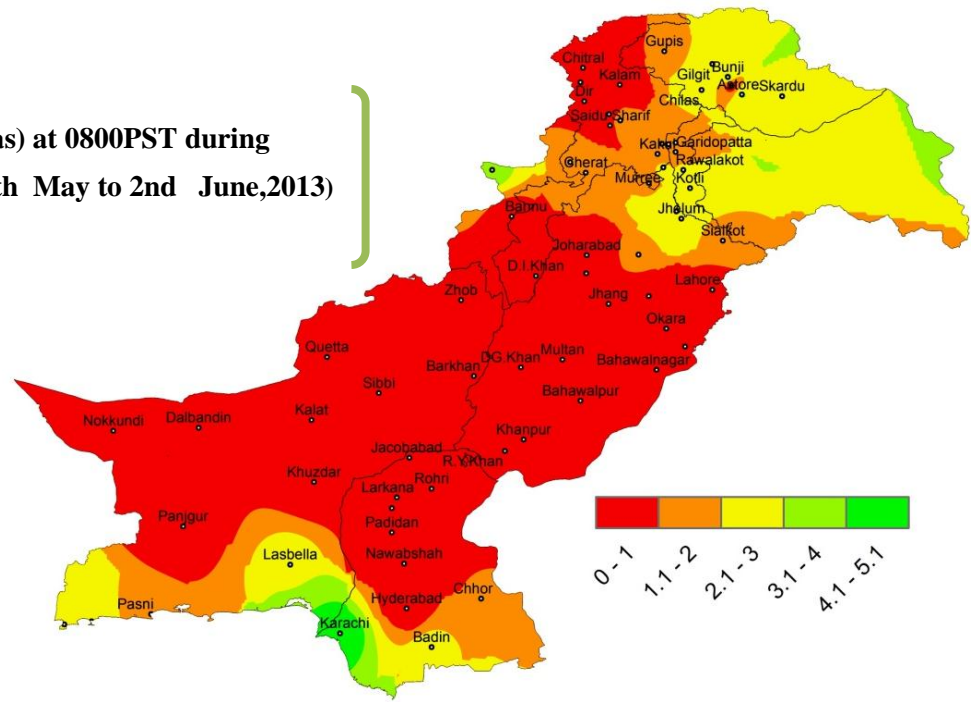
Mean relative humidity (%) during the last week (from 27th May to 2nd June, 2013)



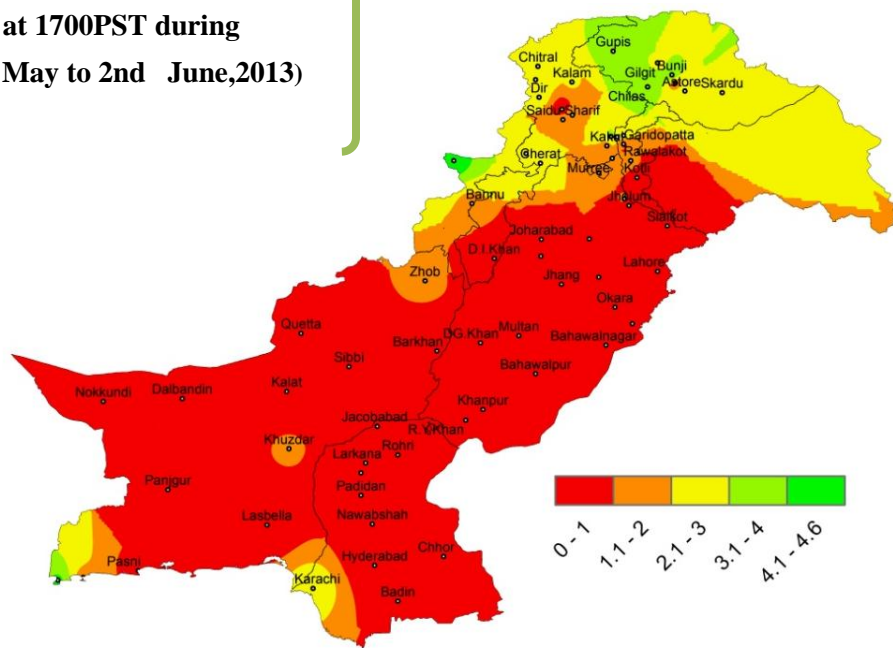
Total growing degree days accumulated during the last week (from 27th May to 2nd June, 2013)



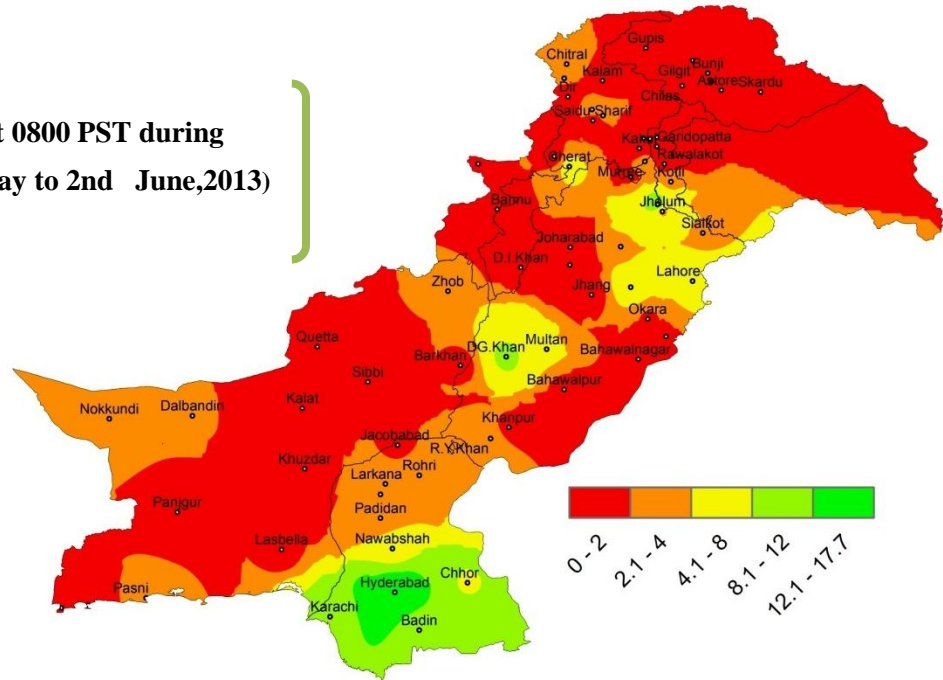
Mean Cloudiness (Oktas) at 0800PST during the last week (from 27th May to 2nd June,2013)



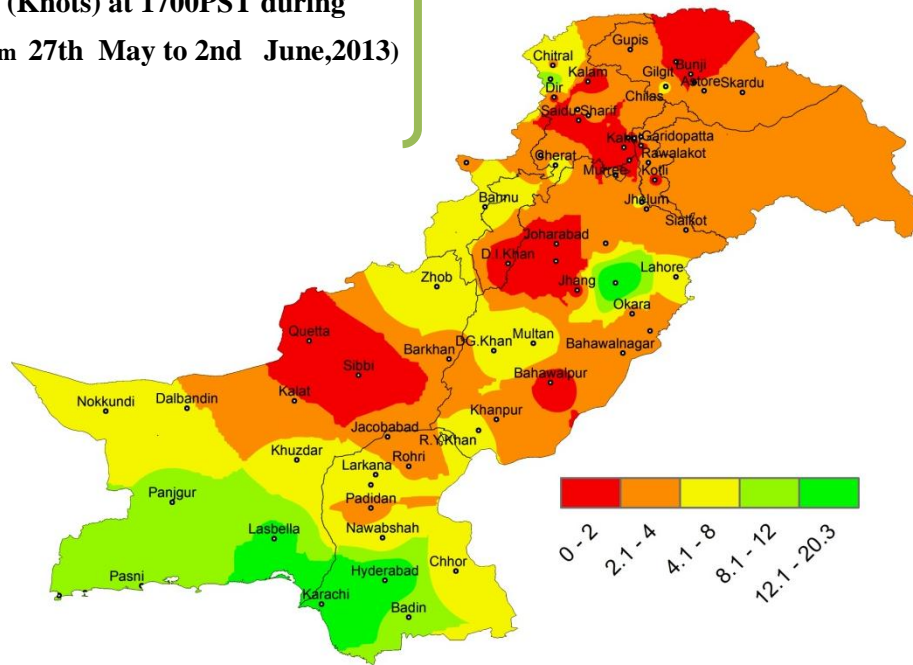
Mean Cloudiness (Oktas) at 1700PST during the last week (from 27th May to 2nd June,2013)



Mean wind speed (Knots) at 0800 PST during the last week (from 27th May to 2nd June,2013)



Mean wind speed (Knots) at 1700PST during the last week (from 27th May to 2nd June,2013)



Weekly Weather advisory for Farmers (from 3rd to 9th June , 2013)

Seasonal low lies over northeast Balochistan and its adjoining areas. A shallow westerly trough as an upper air system is affecting upper parts of the country and expected to persist over upper parts of the country till Friday.

Punjab including Islamabad:

Mainly hot & dry weather is expected in most parts of the province during the current week. However, dust-storm with isolated rain-thunderstorm is expected in upper & central parts of the province including Islamabad on Monday/Tuesday and Thursday/Friday.

Khyber Pakhtunkhwa:

Mainly hot & dry weather is expected in most parts of the province during the current week. However thunderstorm-rain associated with gusty winds is expected at isolated places of upper KP on Monday/Tuesday and Thursday.

Balochistan:

Mainly hot & dry weather is expected in most parts of the province during the current week. However thunderstorm-rain associated with gusty winds may occur at isolated places of north Balochistan on Monday and Wednesday/Thursday.

Sindh:

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

Kashmir:

Thunderstorm/rain with gusty winds is expected at isolated places in Kashmir during Monday, Tuesday, Thursday and Friday with periods. Dry weather is expected in most parts of Kashmir during the weekend.

Gilgit-Baltistan:

Thunderstorm/rain with gusty winds is expected at isolated places in Gilgit-Baltistan during Monday, Tuesday, Thursday and Friday with periods. Dry weather is expected in most parts of GB during the weekend.

Advises 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 27th May to 2nd June, 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	Heighest							
Astore	21.9	27.7	60.6	47	0.1	3.2	2.9	0.7	2.9
Badin	38.9	40.0	195.4	58	0.0	2.6	0.4	9.4	8.4
Bahawalnagar	43.4	46.2	214.7	31	0.0	0.0	0.0	1.3	2.9
Bahawalpur	44.0	45.5	211.7	33	0.0	0.0	0.0	0.9	1.1
Balakot	33.9	37.0	143.6	38	8.0	1.7	3.3	0.0	2.1
Bannu	40.7	43.0	188.5	26	0.0	0.0	1.7	0.3	5.7
Barkhan	38.0	39.5	***	18	0.0	0.0	0.0	0.9	2.0
Bunji	30.3	35.6	122.4	46	0.1	3.3	4.3	0.0	0.3
Cherat	35.4	40.0	164.3	30	4.0	1.8	2.4	5.3	4.6
Chhor	42.0	42.7	204.6	55	0.0	1.3	0.0	7.7	4.0
Chilas	32.6	38.6	141.7	33	10.1	2.8	3.9	0.3	4.3
Chitral	32.5	37.5	118.8	42	0.0	0.0	2.9	4.0	3.1
D G Khan	42.1	45.0	198.1	31	0.0	0.0	0.0	1.7	0.6
	42.2	44.5	185.9	16	0.0	0.1	1.0	2.3	4.0
Dalbandin	43.8	47.4	217.3	39	0.0	0.2	0.0	9.0	5.1
Dir	31.7	36.0	115.0	45	0.0	0.5	2.7	0.0	1.4
Drosh	32.8	36.7	127.7	30	3.0	0.0	2.6	2.3	12.7
Faisalabad	41.3	43.5	198.8	34	0.0	0.0	0.6	6.7	20.3
Garidopatta	36.5	42.0	153.0	56	10.0	1.2	0.7	0.0	1.4
Gawader	34.6	35.0	169.0	72	0.0	2.3	1.7	1.1	11.1

Gilgit	30.1	37.0	112.6	51	3.4	2.5	2.7	0.0	1.4
Gupis	25.1	30.5	89.0	38	0.0	1.3	3.4	0.9	2.9
Hyderabad	41.6	43.0	***	52	0.0	0.0	0.0	17.7	19.4
Islamabad	37.3	39.8	164.9	41	12.2	1.9	1.3	1.7	2.3
Jacobabad	45.2	47.0	224.3	31	0.0	0.0	0.0	1.4	2.6
Jhang	42.2	45.7	198.3	31	0.0	0.0	0.0	0.7	1.4
Jhelum	40.1	43.0	190.7	28	1.2	2.3	0.4	3.0	3.7
Jiwani	33.4	34.5	172.0	77	0.0	2.7	4.1	0.6	8.3
Joharabad	41.2	44.5	197.5	46	0.0	0.0	0.0	1.2	1.7
Kakul	31.9	34.5	125.6	47	9.0	1.5	1.4	0.3	1.4
Kalam	24.9	29.5	82.0	44	6.0	0.3	2.1	0.0	1.7
Kalat	31.4	33.0	93.5	26	0.0	0.0	0.0	0.0	2.0
Karachi	35.3	36.0	186.8	68	0.0	5.1	2.7	10.3	13.4
Khanpur	43.6	44.8	209.7	39	0.0	0.0	0.0	0.9	2.9
Khuzdar	36.4	39.0	174.0	19	0.0	0.0	1.1	0.6	4.9
Kotli	36.3	39.4	168.3	38	15.0	3.0	0.7	3.0	1.7
Lahore	40.8	43.5	199.1	30	0.0	0.3	0.4	6.7	5.1
Larkana	45.7	47.0	225.0	45	0.0	0.0	0.0	3.1	4.6
Lasbella	41.2	42.5	204.8	55	0.0	2.9	0.0	1.1	12.6
Lower Dir	37.9	42.0	170.5	34	3.0	0.0	0.1	4.3	2.6
M.B.din	39.8	42.8	184.8	32	0.2	1.7	0.9	3.3	2.3
Malam Jabba	21.9	25.5	***	45	32.0	1.8	1.9	2.3	2.3
Mangla	37.7	41.7	174.0	30	5.0	2.7	1.1	11.5	4.3
Mir Khani	32.3	37.0	139.5	39	4.0	0.0	1.1	0.0	2.3
Moen-Jo-Daro	44.2	45.0	207.0	39	0.0	0.0	0.0	3.1	5.7

Multan	42.5	45.1	213.8	29	0.0	0.0	0.0	4.6	5.7
Murree	24.9	27.5	99.3	41	9.0	2.2	1.6	3.3	0.9
Muzaffarabad	36.8	40.6	157.9	46	9.0	1.3	2.7	0.0	1.0
Nawabshah	45.3	46.5	221.0	37	0.0	0.0	0.0	6.0	6.0
Nokkundi	42.8	45.5	***	10	0.0	0.9	0.7	2.9	4.9
Noorpur Thal	43.8	47.5	205.9	31	0.0	0.0	0.4	1.0	2.0
Okara	41.6	43.5	199.6	34	0.0	0.0	0.0	1.7	2.9
Padidan	44.3	45.0	210.5	46	0.0	0.0	0.3	2.3	2.3
Panjgur	39.6	41.0	196.8	41	0.0	0.0	0.6	1.1	9.7
Parachinar	30.6	34.4	***	28	28.0	3.8	4.6	2.0	3.9
Pasni	34.0	34.5	193.5	80	0.0	1.4	0.3	2.9	12.0
Pattan	36.3	41.0	154.8	33	8.0	1.2	2.6	2.0	4.0
Peshawar	38.1	41.0	178.3	46	7.1	1.7	2.4	0.7	2.9
Quetta	34.0	38.0	***	16	0.1	0.0	0.3	0.0	1.7
R.Y.Khan	44.5	46.0	213.5	46	0.0	0.0	0.0	4.0	5.1
Rawalakot	27.5	30.4	97.7	61	13.1	2.2	1.1	1.3	3.4
Rohri	44.4	45.5	220.5	40	0.0	0.0	0.0	3.1	3.7
Sahiwal	41.1	44.3	191.5	38	0.0	0.0	0.0	2.0	2.3
Saidu Sharif	33.8	37.7	***	40	6.0	0.8	1.7	0.0	0.9
Sialkot	38.8	41.4	189.0	32	2.0	1.5	1.0	3.3	2.3
Sibbi	45.4	47.0	165.9	44	0.0	0.0	0.0	0.0	0.0
Skardu	24.3	30.6	77.1	40	0.1	3.0	2.4	0.0	2.6
Zhob	36.4	38.5	***	16	0.0	0.0	1.3	2.9	7.7

*** Data not available