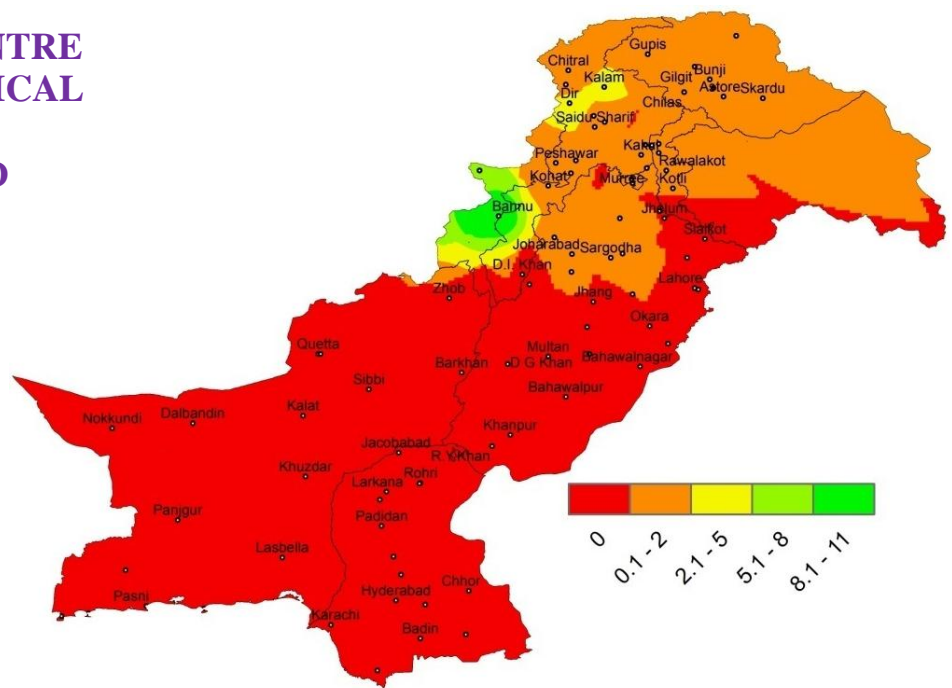


Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall distribution (mm) during the
Last week (from 3rd to 9th June, 2013)**



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Highlights of Past Weather 3rd to 9th June, 2013)

Light to moderate rainfall occurred in upper half of the country mainly Northern Areas and Khyber Pakhtunkhwa. Whereas weather remain dry in Sindh and meager amount of rainfall reported from Balochistan. Also the day temperatures are touching the highest values (50°C) at some plain stations in lower half of the country.

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 from some places of the province during the week. Weekly maximum temperature and minimum temperature recorded as 43.2 °C & 26.8°C respectively. For the present season on average 206.0 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 3.0/3.0 Knots. During the previous week highest amount of rainfall reported at Islamabad as 12.0 mm and extreme maximum temperature recorded as 50.0 °C at the Noorpur Thal.

Sindh

No rainfall reported from the province during the week. Weekly maximum temperature and minimum temperature recorded as 43.0 °C & 28.7°C respectively. For the present season on average 215.8 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 5.0/8.8 Knots. Extreme maximum temperature recorded as 51.0°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 36.9°C & 20.2°C respectively. For the present season on average 162.9 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 1.1/4.1 Knots. During the previous week the highest rainfall recorded at Parachinar as 35.0 mm and extreme maximum temperature recorded as 46.2 °C at D.I.Khan.

Balochistan

Rainfall reported in traces at few places of the province during the week. Weekly maximum temperature and minimum temperature recorded as 38.1°C & 23.7 °C respectively. For the present season on average 177.3 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 0.8/5.5 Knots. Extreme maximum temperature recorded as 50.0 °C at Sibbi.

Gilgit Baltistan and Azad Jammu & Kashmir

Light to moderate rainfall reported from most of the agricultural plains of the region during the week. Weekly maximum temperature and minimum temperature recorded as 32.8°C & 17.3°C respectively. For the present season on average 140.6 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 0.7/2.0 Knots. During the previous week the highest rainfall recorded at Rawalakot as 11.1 mm and extreme maximum temperature recorded as 44.0°C at Pattan.

Past Weather for Major Agricultural Plains (from 3rd to 9th June, 2013)

Rawalpindi (Potohar region)

Rainfall reported as 4.0 during the week however cloudiness in the morning/evening 1.2/1.0 Oktas while average relative humidity observed as 35 %. Mean day time temperature recorded as 41.31 °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 2.0/2.6 Km/h.

Faisalabad (Central Punjab)

No rainfall reported during the week however cloudiness in the morning/evening as 1.1/1.0 Oktas while average relative humidity observed as 31%. Mean day time temperature recorded as 43.9 °C & for the present season 219.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.1/1.9 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 40.4 °C & for the present season 203.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.7/9.1 Km/h.

Quetta (Northern Balochistan)

Rainfall reported as Trace (udertermind) during the week however cloudiness in the morning/evening as 0.0/1.3 Oktas while average relative humidity observed as 26%. Mean day time temperature observed as 35.3°C & for the present season 159.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.1/6.2 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 40%.

Mean day time temperature recorded as 47.8°C & for the present season 230.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.7/5.8 Km/h.

Past Weather for sub regional Agri-cultural Plains (from 3rd to 9th , 2013)

Rohri

No rainfall reported during the week however cloudiness in the morning/evening as 0.0/0.3 Oktas while average relative humidity observed as 38 %. Mean day temperature recorded as 48.0°C. Wind recorded in the morning/evening as 3.1/3.4 Knots.

Multan

No rainfall reported during the week however cloudiness in the morning/evening as 0.1/0.4 Oktas while average relative humidity observed as 35 %. Mean day temperature recorded as 47.1°C & for the present season 225.8 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 11.1/7.1 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 0.0/1.0 Oktas while average relative humidity observed as 17%. Mean day temperature recorded as 40.5°C . Wind recorded in the morning/evening as 2.9/6.3 Knots.

D.I. Khan

No rainfall reported during the week however cloudiness in the morning/evening as 1.3/0.0 Oktas while average relative humidity observed as 34%. Mean day temperature recorded as 46.2°C & for the present season 214.1 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 0.1 mm during the week however cloudiness in the morning/evening as 1.5/1.2 Oktas while average relative humidity observed as 43%. Mean day temperature recorded as 43.5°C & for the present season 200.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.0/1.2 Knots.

Murree

Rainfall reported as 0.1 mm during the week however cloudiness in the morning/evening as 0.0/1.5 Oktas while average relative humidity observed as 43%. Mean day temperature recorded as 30.1°C & for the present season 128.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/0.7 Knots.

Kalam

Rainfall reported as 3.0 mm during the week however cloudiness in the morning/evening as 0.4/3.3 Oktas while average relative humidity observed as 41%. Mean day temperature recorded as 31.5°C & for the present season 102.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.3 Knots.

Gilgit

Rainfall reported as 0.2 mm during the week, however cloudiness in the morning/evening as 1.9/2.3 Oktas while average relative humidity observed as 38%. Mean day temperature recorded as 41.5°C & for the present season 112.6 growing degree days accumulated by the end of last week.

Wind speed recorded in the morning/evening 0.0/2.7 Knots.

Skardu

No Rainfall reported during the week however cloudiness in the morning/evening as 2.4/3.2 Oktas while average relative humidity observed as 30%. Mean day temperature recorded as 33.8 °C & for the present season 113.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/5.3 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 , *Budding* completed.

Lower Sindh (Tandojam)

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

Cotton(BT-3701): Good condition at *Budding* .

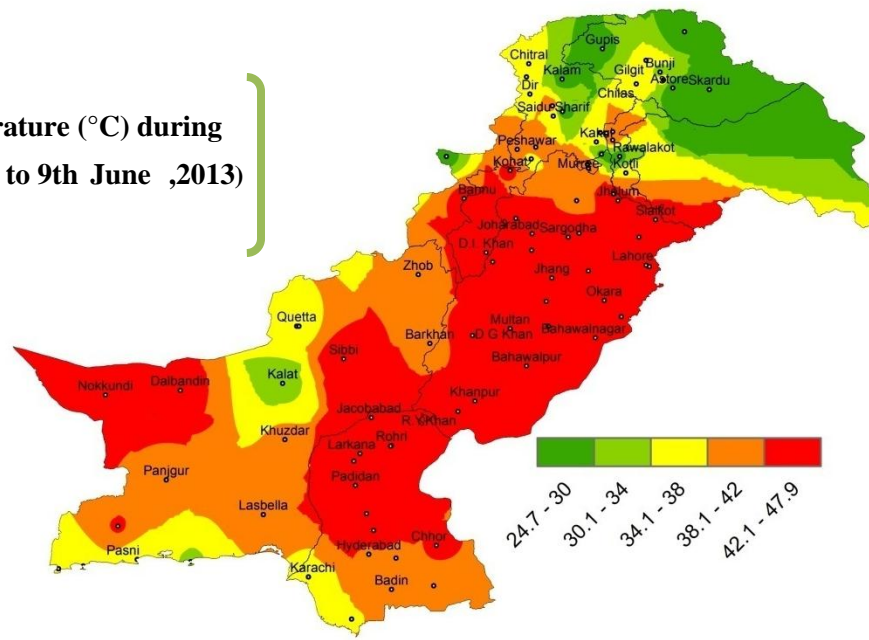
Northern Balochistan (Quetta)

There is presently no crop in the fields.

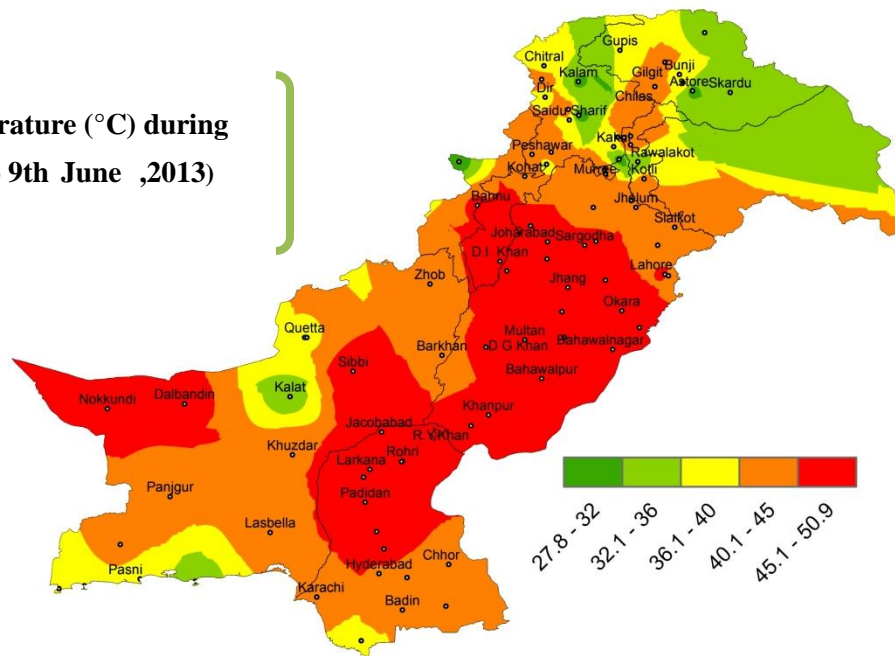
Eastern Balochistan (Usta Muhammad)

Field is ready for up coming Rice crop.

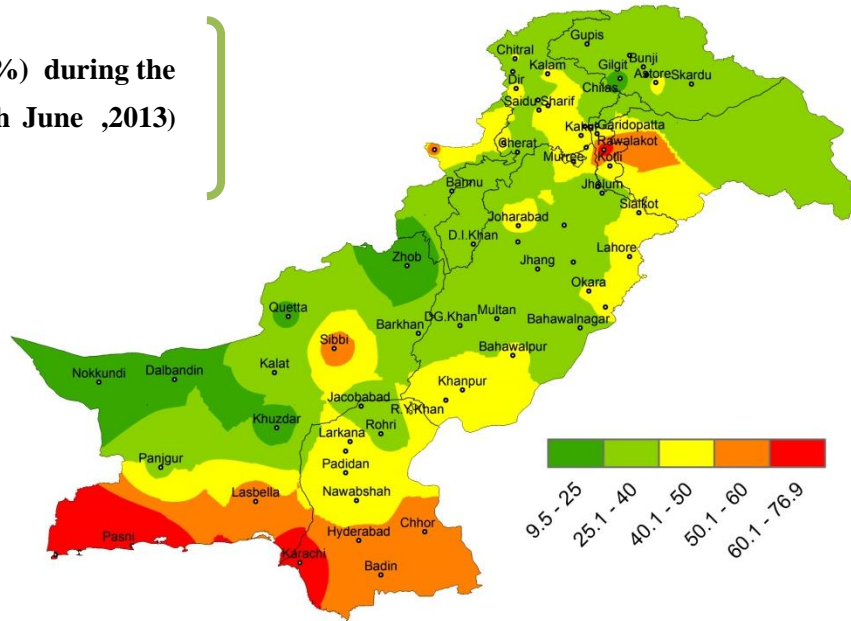
Mean maximum temperature (°C) during the last week (from 3rd to 9th June ,2013)



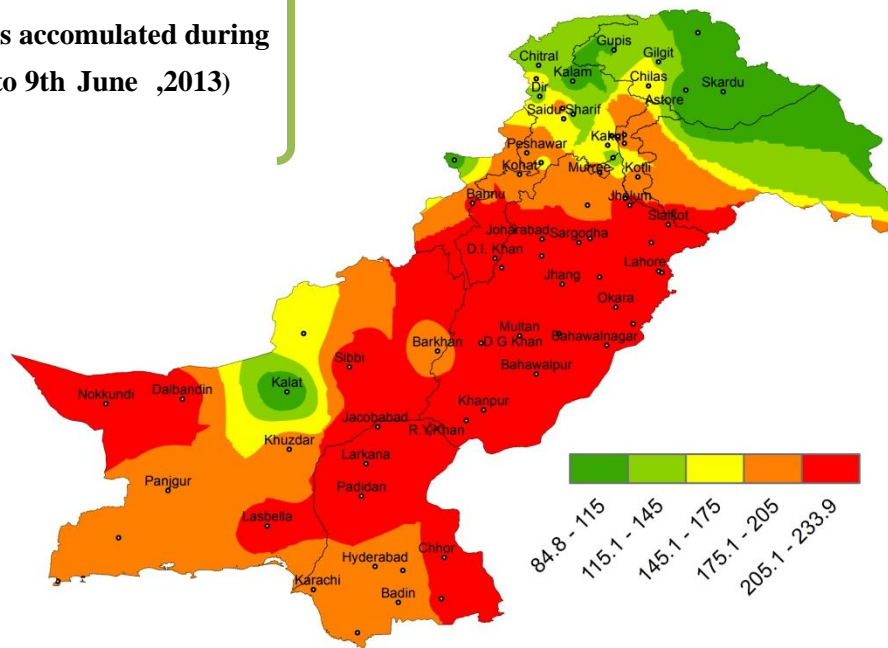
Extreme maximum temperature (°C) during the last week (from 3rd to 9th June ,2013)



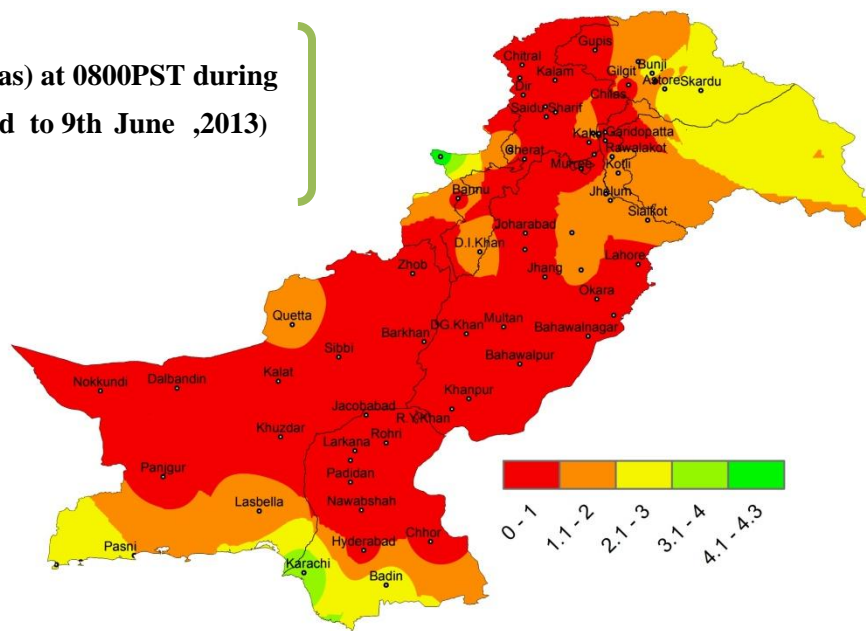
Mean relative humidity (%) during the last week (from 3rd to 9th June ,2013)



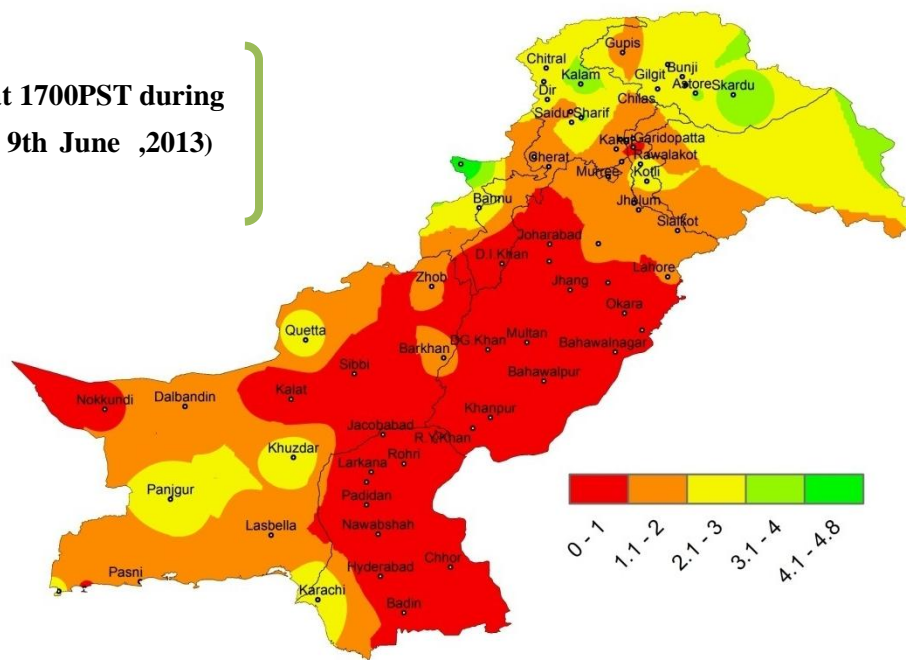
Total growing degree days accumulated during the last week (from 3rd to 9th June ,2013)



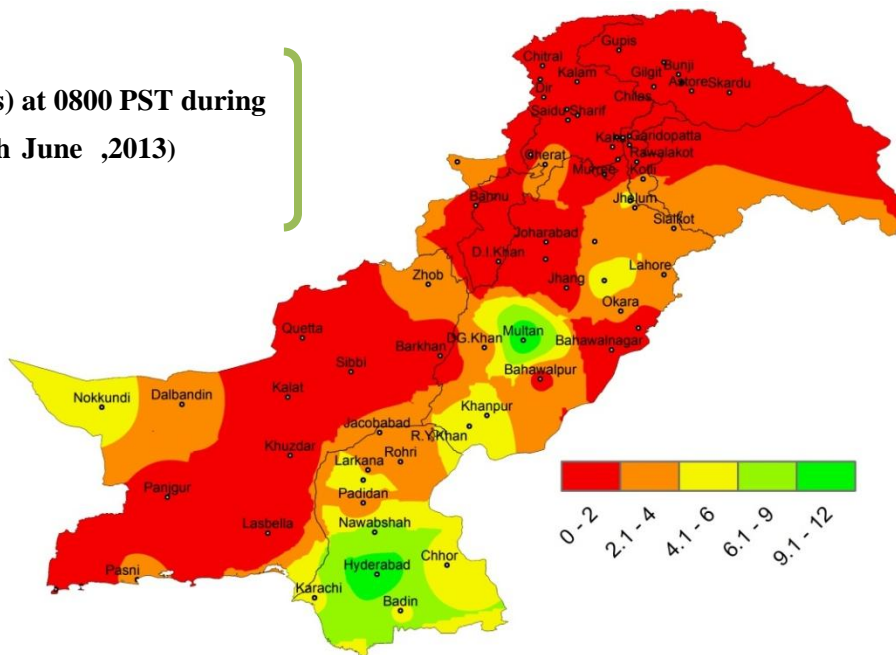
Mean Cloudiness (Oktas) at 0800PST during the last week (from 3rd to 9th June ,2013)



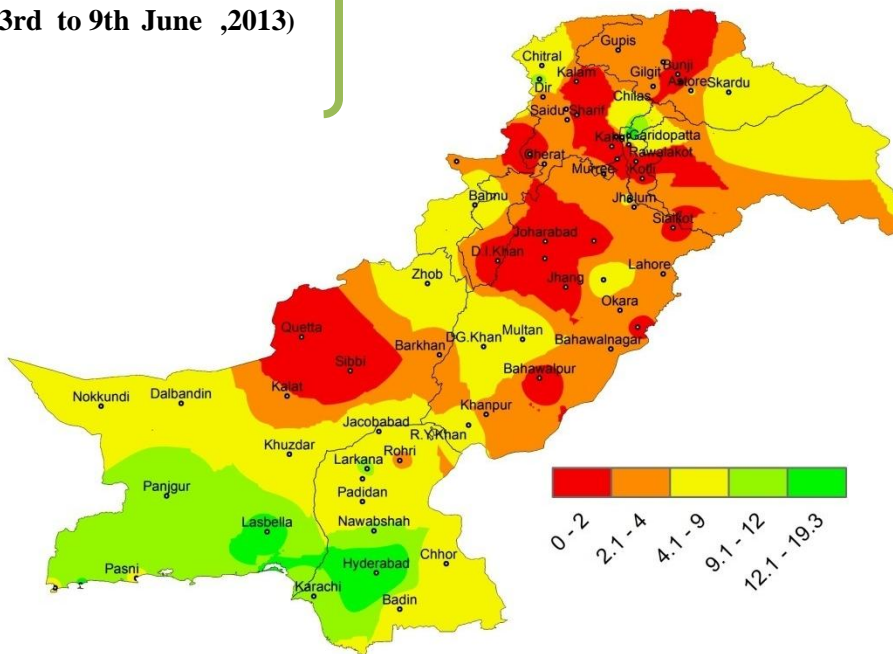
Mean Cloudiness (Oktas) at 1700PST during the last week (from 3rd to 9th June ,2013)



Mean wind speed (Knots) at 0800 PST during the last week (3rd to 9th June ,2013)



Mean wind speed (Knots) at 1700PST during the last week (from 3rd to 9th June ,2013)



Weekly Weather advisory for Farmers (from 10th to 16th June , 2013)

Pre-monsoon currents from Arabian Sea have started penetrating into southern parts of the country and would extend towards most parts on Wednesday. A westerly wave is expected to approach upper parts of the country on Wednesday. Another western disturbance is also likely to approach upper/central parts of the country from Sunday.

Punjab including Islamabad:

The prevailing hot weather conditions are likely to subside over most parts of the province from Wednesday. Scattered Rain dust-thundershowers is expected in Islamabad, northeast Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore and Faisalabad divisions), while at isolated places of southern Punjab from Tuesday to Monday with occasional gaps.

Isolated heavy falls associated strong gusty winds are also expected in Islamabad, Rawalpindi, Sargodha, Lahore and Gujranwala divisions from Friday to Sunday.

Khyber Pakhtunkhwa:

The prevailing hot weather conditions are likely to subside over most parts of the province from Wednesday. Widespread rain dust-thundershowers is expected in upper/central KP (Malakand, Hazara, Peshawar, Kohat Divisions), while at isolated places of Bannu and D.I. Khan divisions from Wednesday to Monday with occasional gaps.

Isolated heavy falls associated strong gusty winds are also expected in Malakand, Hazara, Peshawar and Kohat divisions from Friday to Sunday.

Balochistan:

The prevailing hot weather conditions are likely to subside over most parts of the province from Wednesday.

Isolated to Scattered rain dust-thundershowers is expected in Balochistan (Makran, Kalat, Nasirabad and Sibbi divisions) from Tuesday to Sunday with occasional gaps

Sindh:

Mainly Hot & Humid weather is expected in most parts of the province during the current week. Scattered rain dust-thundershowers with gusty winds are expected in lower Sindh (Mirpur Khas Karachi and Hyderabad divisions), while at isolated places in upper Sindh from Tuesday to Thursday and again on Saturday/Sunday.

Kashmir:

Widespread rain-thundershowers (Isolated heavy falls associated with strong gusty winds from Friday to Sunday) are expected in Kashmir from Tuesday to Sunday with occasional gaps.

Gilgit-Baltistan:

Isolated to Scattered rain thundershowers is expected in Gigit-Baltistan from Wednesday to Monday with occasional gaps.

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 3rd to 9th June, 2013)

Stations	Maximum/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	Heighst							
Astore	24.5	30.2	84.7	42	0.2	2.6	3.2	1.7	4.3
Badin	39.8	40.5	201.5	55	0.0	2.7	0.8	5.7	6.3
Bahawalnagar	45.4	47.0	231.2	34	0.0	0.3	0.5	0.9	3.7
Bahawalpur	44.9	46.0	233.9	41	0.0	0.1	0.6	1.4	0.9
Balakot	36.9	39.0	169.8	40	0.0	1.9	2.0	0.0	0.7
Bannu	43.8	46.0	208.1	28	11.0	0.9	2.2	1.4	6.0
Barkhan	39.7	41.5	195.5	28	0.0	0.0	1.1	0.6	2.0
Bunji	33.2	38.3	***	39	1.1	2.9	3.0	0.0	0.0
Cherat	35.6	38.0	169.3	30	0.0	0.3	1.0	3.1	2.3
Chhor	42.5	44.5	212.0	54	0.0	0.7	0.9	4.6	5.4
Chilas	36.5	42.0	175.1	22	0.1	0.7	2.0	1.1	2.3
Chitral	35.6	39.0	139.7	41	0.0	0.3	2.6	1.7	4.6
D G Khan	44.0	46.2	214.1	34	0.0	1.3	0.0	0.6	0.6
	43.8	46.8	211.3	24	0.0	0.3	1.3	3.4	7.7
Dalbandin	45.2	47.0	226.2	37	0.0	0.0	0.3	3.1	7.7
Dir	34.6	39.0	140.8	44	4.0	0.0	2.1	0.0	2.3
Drosh	36.3	41.5	149.6	26	0.0	0.0	3.0	0.9	11.0
Faisalabad	43.8	45.5	219.0	33	0.0	1.3	0.6	5.7	5.7
Garidopatta	39.0	43.0	179.8	48	0.0	0.0	0.0	0.0	0.0
Gawader	35.8	36.5	175.8	67	0.0	2.1	0.9	1.4	12.3
Gilgit	34.9	41.5	143.8	38	0.2	1.9	2.3	0.0	2.7

Gupis	28.4	36.0	114.5	33	0.0	0.7	1.8	1.7	3.0
Hyderabad	40.9	44.0	203.0	53	0.0	0.7	0.4	12.0	19.4
Islamabad	39.7	42.0	197.5	42	0.0	0.9	1.7	0.0	2.9
Jacobabad	46.9	51.0	233.8	36	0.0	0.6	0.0	2.3	6.0
Jhang	44.6	46.2	218.2	38	0.0	0.9	0.0	0.9	0.3
Jhelum	43.2	44.6	213.5	37	0.0	1.1	1.5	3.4	3.7
Jiwani	34.4	37.0	177.8	76	0.0	2.3	2.3	0.6	8.6
Joharabad	44.0	46.5	213.3	44	0.1	0.9	0.0	1.1	1.7
Kakul	34.8	37.0	148.5	49	2.0	0.3	1.0	0.0	2.0
Kalam	28.7	31.5	102.3	41	3.0	0.4	3.3	0.0	1.3
Kalat	31.4	34.0	91.5	27	0.0	0.0	0.0	0.0	2.0
Karachi	36.5	40.0	193.6	65	0.0	3.6	3.0	5.7	10.3
Khanpur	43.9	45.3	222.6	50	0.0	0.0	0.3	4.3	3.4
Khuzdar	38.8	44.0	189.0	22	0.0	0.0	2.7	0.0	5.7
Kotli	37.6	41.1	182.9	47	0.0	1.4	2.2	2.3	1.7
Lahore	42.8	44.5	214.1	42	0.0	0.4	1.0	3.4	3.3
Larkana	46.6	49.0	232.8	44	0.0	0.3	0.0	3.1	9.4
Lasbella	41.5	43.0	208.3	54	0.0	1.7	1.1	0.9	12.6
Lower Dir	40.8	43.5	189.0	33	2.0	0.0	1.3	1.7	2.3
M.B.din	43.4	45.5	210.5	38	0.1	1.1	1.5	2.3	1.0
Malam Jabba	25.0	27.5	109.0	45	0.0	0.4	3.3	0.0	0.3
Mangla	42.7	44.5	204.0	37	0.0	1.1	1.9	4.6	4.3
Mir Khani	36.0	39.5	***	33	0.0	0.6	2.0	0.0	1.4
Moen-Jo-Daro	45.4	48.0	***	45	0.0	0.3	0.0	6.3	8.9
Multan	44.5	47.1	225.8	35	0.0	0.1	0.4	11.1	7.1

Murree	28.2	30.1	128.8	43	0.1	0.0	1.5	0.9	0.7
Muzaffarabad	38.3	42.8	178.1	41	0.0	1.0	2.0	0.0	0.0
Nawabshah	44.7	46.5	***	43	0.0	0.7	0.3	7.1	9.6
Nokkundi	44.0	46.5	221.8	10	0.0	1.0	0.9	4.9	7.4
Noorpur Thal	47.1	50.0	225.0	33	0.0	0.6	0.0	0.9	0.7
Okara	44.0	45.7	219.7	40	0.0	0.4	0.0	2.6	2.7
Padidan	43.7	46.5	218.3	49	0.0	0.6	0.6	2.0	4.9
Panjgur	40.7	42.0	193.5	39	0.0	0.6	2.6	0.9	11.1
Parachinar	28.1	30.4	106.7	51	7.0	4.3	4.8	3.9	3.7
Pasni	34.8	36.5	***	77	0.0	2.0	1.0	2.3	8.9
Pattan	38.6	44.0	178.5	34	0.4	0.0	1.5	0.6	20.2
Peshawar	41.1	43.5	200.0	43	0.1	1.5	1.2	1.0	1.2
Quetta	36.8	40.0	***	23	0.0	1.7	2.5	0.0	1.0
R.Y.Khan	45.9	47.7	228.6	49	0.0	0.0	0.0	4.9	4.7
Rawalakot	28.1	31.8	***	66	0.1	1.3	2.6	0.0	2.0
Rohri	45.2	48.0	***	38	0.0	0.0	0.3	3.1	3.4
Sahiwal	43.8	45.3	211.0	41	0.0	0.0	0.0	0.9	1.7
Saidu Sharif	37.9	40.3	170.8	41	1.0	0.0	2.2	1.4	3.0
Sialkot	42.4	44.4	206.7	42	0.0	1.6	1.0	3.7	1.7
Sibbi	47.2	50.0	225.7	54	0.0	0.0	0.0	0.0	0.0
Skardu	28.5	33.8	113.8	30	0.0	2.4	3.2	0.9	5.3
Zhob	38.3	40.5	***	17	0.0	0.0	1.0	2.9	6.3

*** Data not available