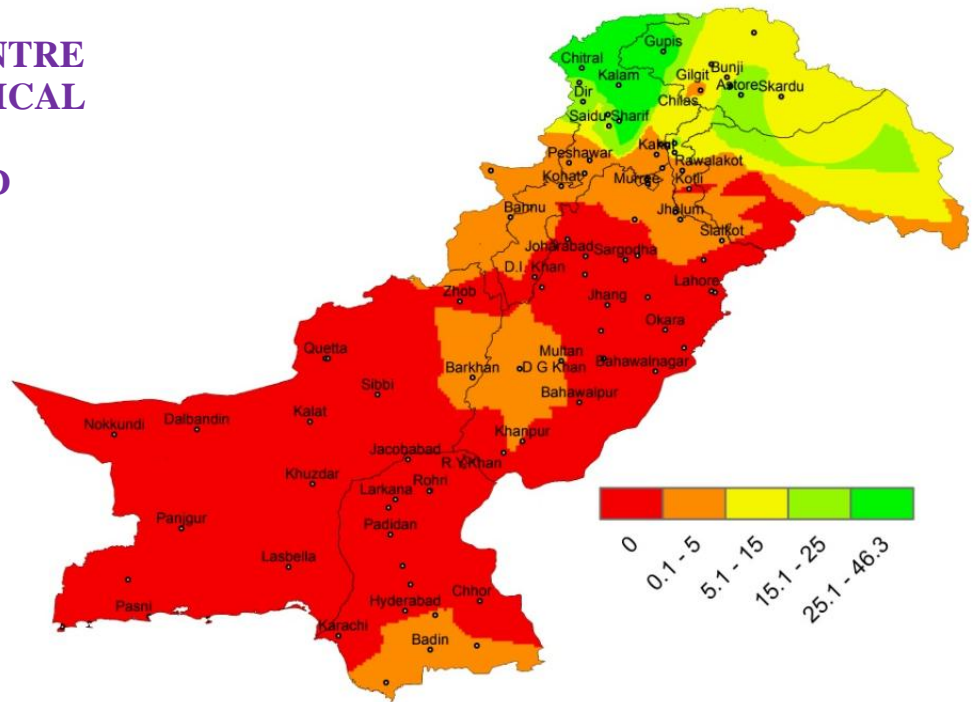


Weekly Weather and Crop Bulletin for Pakistan

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PAKISTAN METEOROLOGICAL
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Rainfall distribution (mm) during the
Last week (from 29th to 5th May, 2013)



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Highlights of Past Weather (29th to 5th May, 2013)

Light to moderate rainfall occurred in most of the agricultural plains of the country during the week. Where as the day temperatures are gradually on increase all over the country especially in the lower half.

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

Punjab

Rainfall reported in fewer amount from scattered places of the province during the week. Weekly maximum temperature and minimum temperature recorded as 37.4 °C & 19.5°C respectively. For the present season on average 166.5 growing degree days accumulated by the end of last week. Average relative humidity recorded as 36% and wind speed in the morning/evening recorded as 1.0/2.6 Knots. During the previous week highest amount of rainfall reported at D.G.Khan as 0.2 mm and extreme maximum temperature recorded as 43.2 °C at the Rahim Yar Khan.

Sindh

Light rainfall reported from a few places in agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 40.5°C & 23.0°C respectively. For the present season on average 182.9 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 1.9/4.9 Knots. During the previous week highest amount of rainfall reported at Badin as 3.0 mm and extreme maximum temperature recorded as 45.5°C at Dadu.

Khyber Pakhtoon Khawa

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 27.7°C & 13.0°C respectively. For the present season on average 133.2 growing degree days accumulated by the end of last week. Average relative humidity recorded as 50 % and wind speed in the morning/evening recorded as 1.5/3.6 Knots. During the previous week the highest rainfall recorded at Kalam as 40.0 mm and extreme

maximum temperature recorded as 36.5°C at D.I.Khan.

Balochistan

Light rainfall reported from a few places in the agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 32.9°C & 15.6 °C respectively. For the present season on average 119.0 growing degree days accumulated by the end of last week. Average relative humidity recorded as 34% and wind speed in the morning/evening recorded as 2.3/6.4 Knots. During the previous week highest amount of rainfall reported at Barkhan as 2.0 mm and extreme maximum temperature recorded as 40.0 °C at Lasbela.

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 26.4°C & 13.2°C respectively. For the present season on average 57.4 growing degree days accumulated by the end of last week. Average relative humidity recorded as 48 % and wind speed in the morning/evening recorded as 2.4/4.7 Knots. During the previous week the highest rainfall recorded at Pattan as 37.0 mm and extreme maximum temperature recorded as 33.8°C at Muzaffarabad.

Past Weather for Major Agricultural Plains (from 29th to 5th May , 2013)

Rawalpindi (Potohar region)

Trace rainfall (not measurable) during the week however cloudiness in the morning/evening as 2.2/2.5 Oktas while average relative humidity observed as 42 %. Mean day time temperature recorded as 31.4 °C & for the present season 126.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.1/2.7 Km/h.

Faisalabad (Central Punjab)

No rainfall reported during the week however cloudiness in the morning/evening as 1.7/2.4 Oktas while average relative humidity observed as 26%. Mean day time temperature recorded as 37.9 °C & for the present season 169.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/2.3 Km/h.

Tandojam (Lower Sindh)

No rainfall reported during the week, however cloudiness in the morning/evening as 0.6/0.4 Oktas while average relative humidity observed as 46%. Mean day time temperature recorded as 39.8 °C & for the present season 182.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/3.1 Km/h.

Quetta (Northern Balochistan)

No rainfall reported during the week however cloudiness in the morning/evening as 1.1/2.1 Oktas while average relative humidity observed as 21%. Mean day time temperature observed as 23.1°C & for the present season 80.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.6/7.7 Km/h.

Usta Muhammad (Eastern Balochistan)

No rainfall reported during the week, however cloudiness in the morning/evening as 0.3/0.3 Oktas while average relative humidity observed as 26%. Mean day time temperature recorded as 39.1°C & for the present season 170.5 growing degree days

accumulated by the end of last week. Wind speed recorded in the morning/evening as 6.9/4.8 Km/h.

Past Weather for sub regional Agri-cultural Plains (from 29th to 5th May, 2013)

Rohri

No rainfall reported during the week however cloudiness in the morning/evening as 2.7/0.7 Oktas while average relative humidity observed as 30 %. Mean day timenight temperature recorded as 40.3°C & for the present season 193.5 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 1.7/2.3 Knots.

Multan

No rainfall reported during the week however cloudiness in the morning/evening as 2.3/2.7 Oktas while average relative humidity observed as 30 %. Mean day tmie temperature recorded as 38.5°C & for the present season 168.7 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 2.3/5.1 Knots.

Lahore

No rainfall reported during the week however cloudiness in the morning/evening as 2.0/1.7 Oktas while average relative humidity observed as 27%. Mean day time temperature recorded as 37.9°C & for the present season 175.0 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 2.0/2.3 Knots.

Zhob

No rainfall reported during the week however cloudiness in the morning/evening as 0.3/1.1 Oktas while average relative humidity observed as 15%. Mean night temperature recorded as 29.1°C . Wind recorded in the morning/evening as 5.0/9.0 Knots.

D.I. Khan

No rainfall reported during the week however cloudiness in the morning/evening as 0.5/1.0 Oktas while average relative humidity observed as 23%.

Mean day time temperature recorded as 34.4°C & for the present season 140.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/3.4 Knots.

Peshawar

Rainfall reported as 0.1 mm during the week however cloudiness in the morning/evening as 2.7/3.9 Oktas while average relative humidity observed as 51%. Mean day time temperature recorded as 33.0°C & for the present season 139.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.4 Knots.

Murree

Rainfall reported as 1.0 mm during the week however cloudiness in the morning/evening as 3.2/2.0 Oktas while average relative humidity observed as 43 %. Mean day time temperature recorded as 22.1°C & for the present season 110.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.3/3.4 Knots.

Kalam

Rainfall reported as 41.0 mm during the week however cloudiness in the morning/evening as 3.0/5.1 Oktas while average relative humidity observed as 60%. Mean day time temperature recorded as 18.2°C & for the present season 48.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.3 Knots

Gilgit

Rainfall reported as 7.2 mm during the week, however cloudiness in the morning/evening as 5.5/5.9 Oktas while average relative humidity observed as 43%. Mean day time temperature recorded as 25.8°C & for the present season 102.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 0.0/5.4 Knots.

Skardu

Rainfall reported as 7.0 mm during the week however cloudiness in the morning/evening as 4.3/6.0 Oktas while average relative humidity observed as 33%. Mean day time temperature recorded as 21.1°C & for the present season 102.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/8.7 Knots.

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

Potohar Region (Rawalpindi)

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

Wheat (Chakwal-97): Good condition at *full Maturity* stage.

Central Punjab (Faisalabad)

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

Sugarcane: Good condition at *Tillering* stage completed .

Cottont: Good condition at *third leaf* stage .

Lower Sindh (Tandojam)

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

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

Northern Balochistan (Quetta)

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

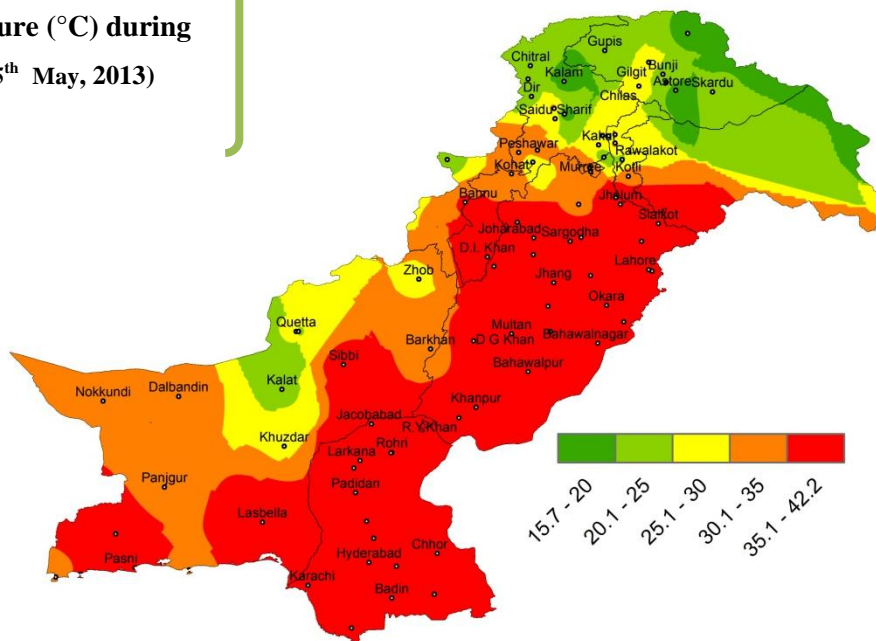
Wheat: Good condition at *Milk Maturity* stage.

Eastern Balochistan (Usta Muhammad)

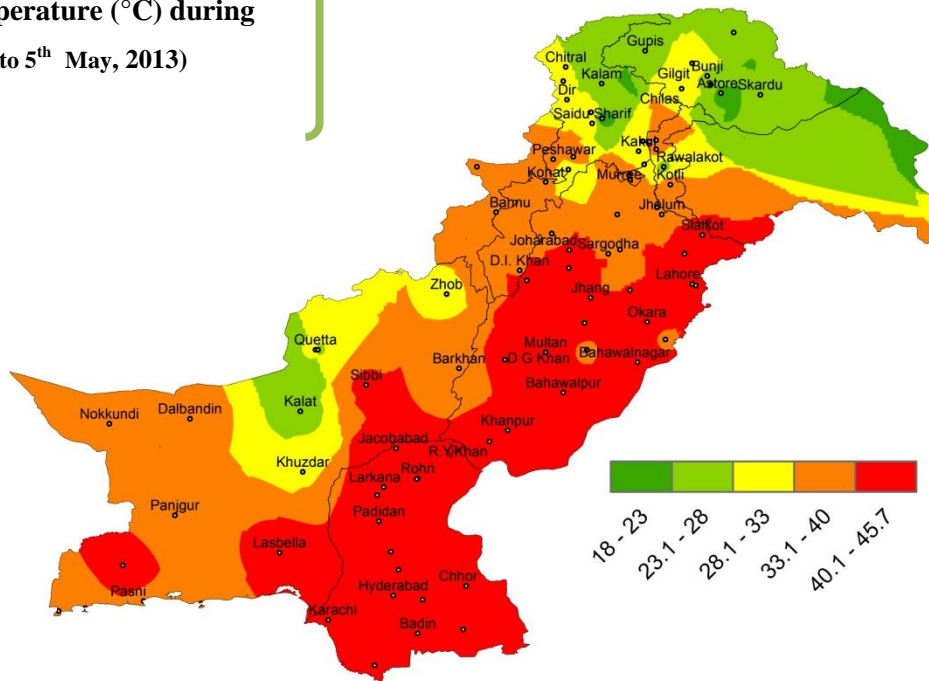
There is presently one crop (irrigated conditions) grown in the fields as detailed below.

Wheat: Good condition at *Full Maturity* stage .

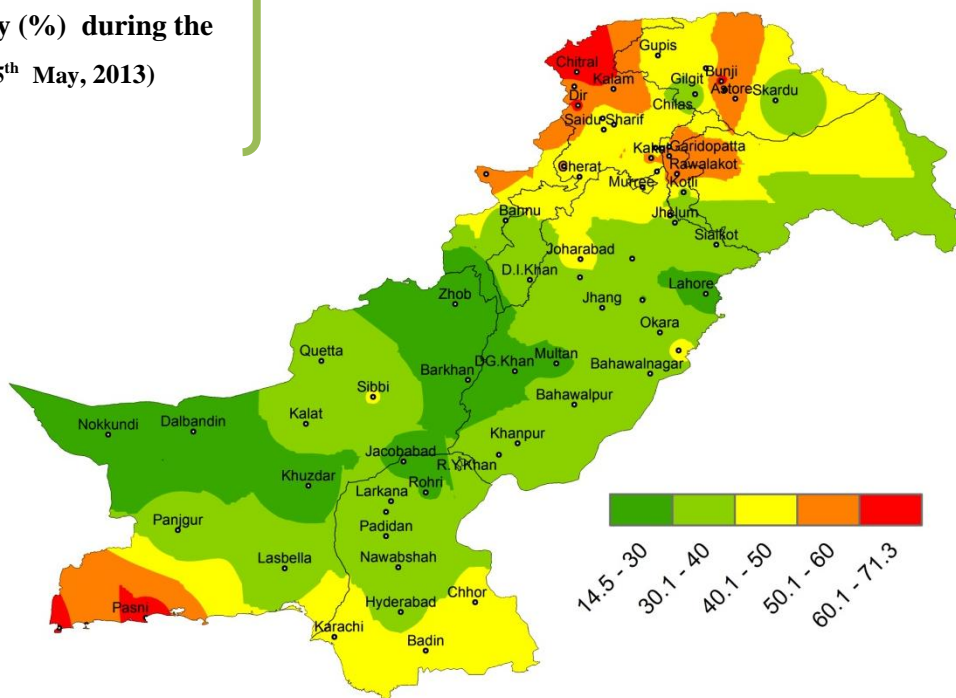
Mean maximum temperature (°C) during the last week (from 29th to 5th May, 2013)



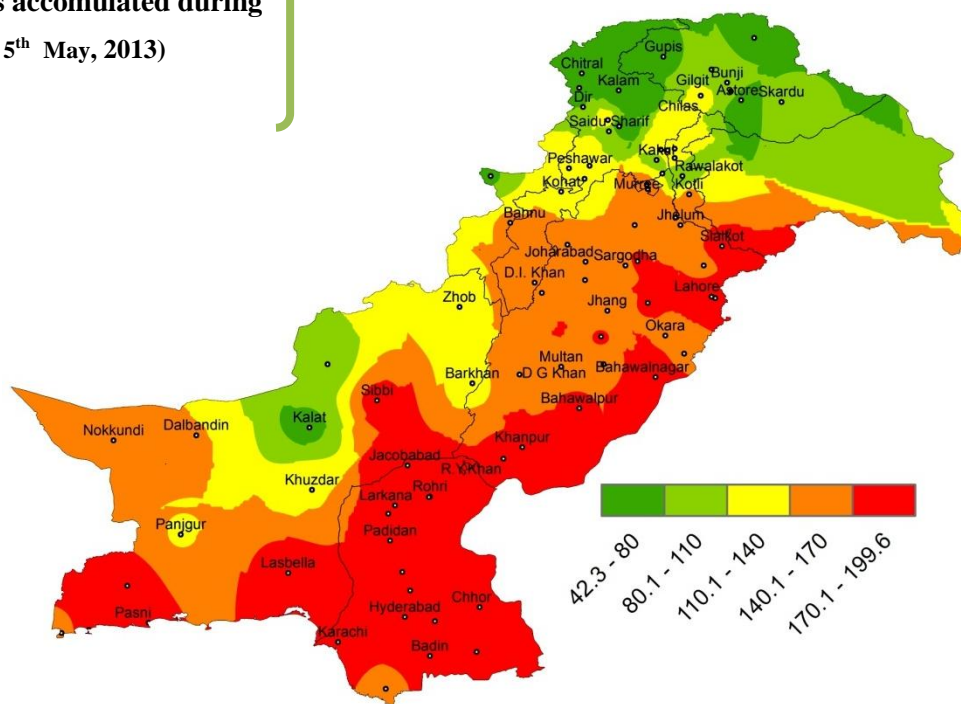
Extreme minimum temperature (°C) during the last week (from 29th to 5th May, 2013)



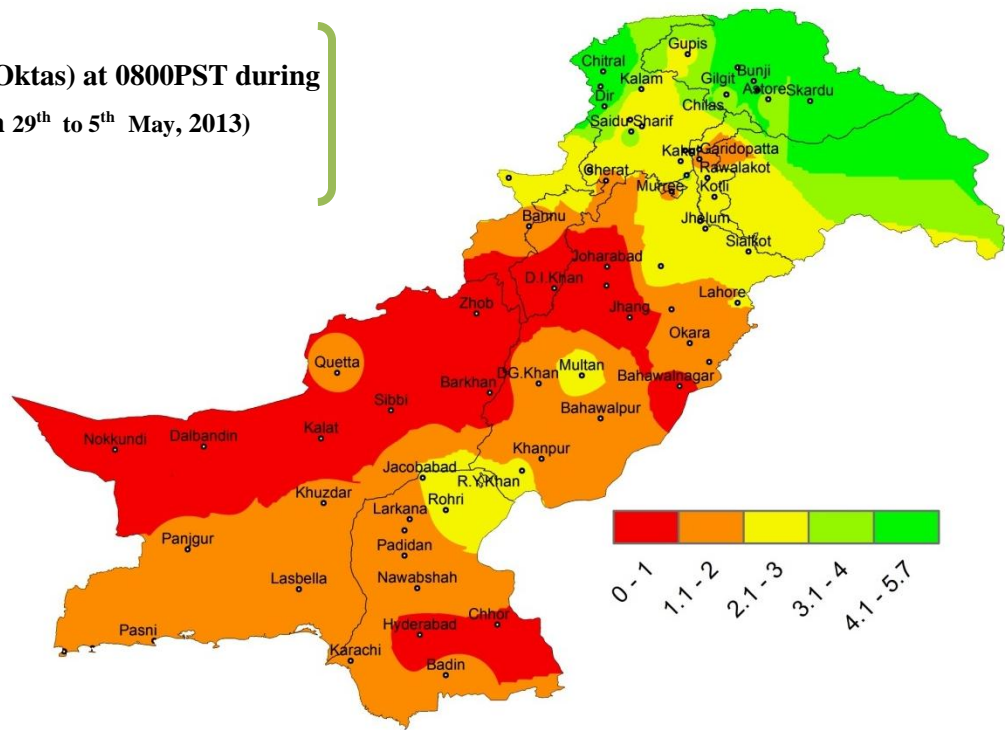
Mean relative humidity (%) during the last week (from 29th to 5th May, 2013)



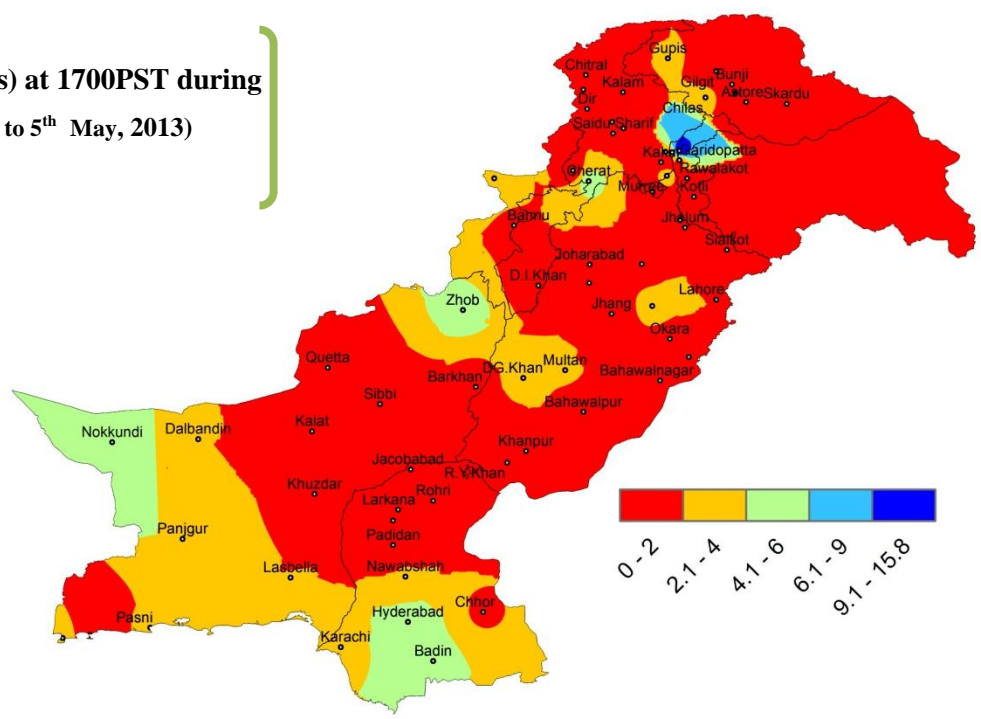
Total growing degree days accumulated during the last week (from 29th to 5th May, 2013)



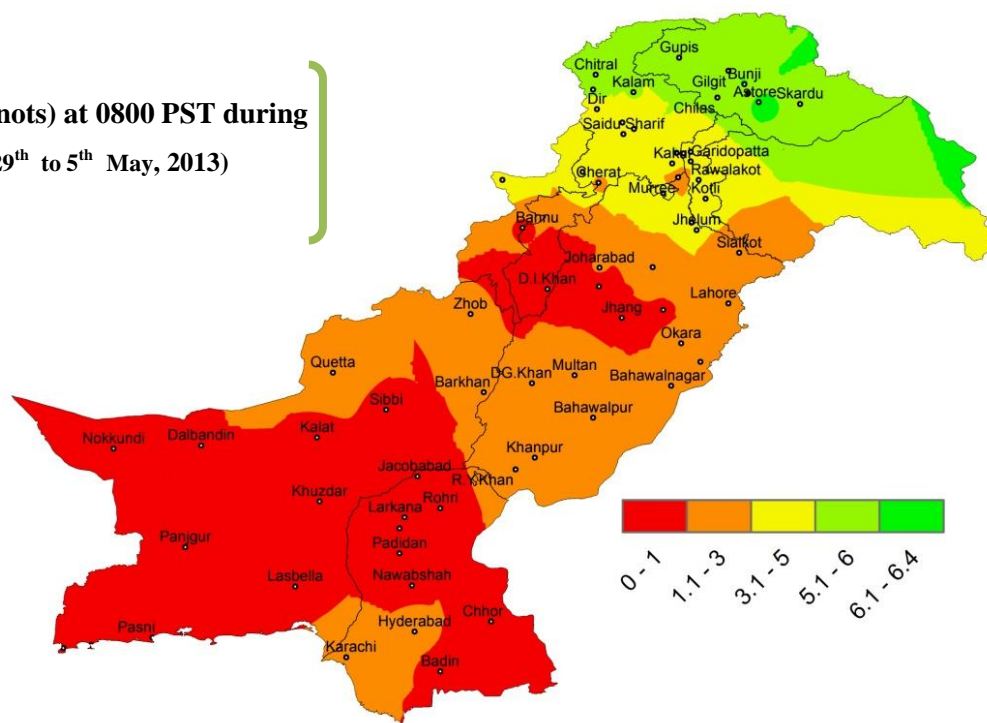
Mean Cloudiness (Oktas) at 0800PST during the last week (from 29th to 5th May, 2013)



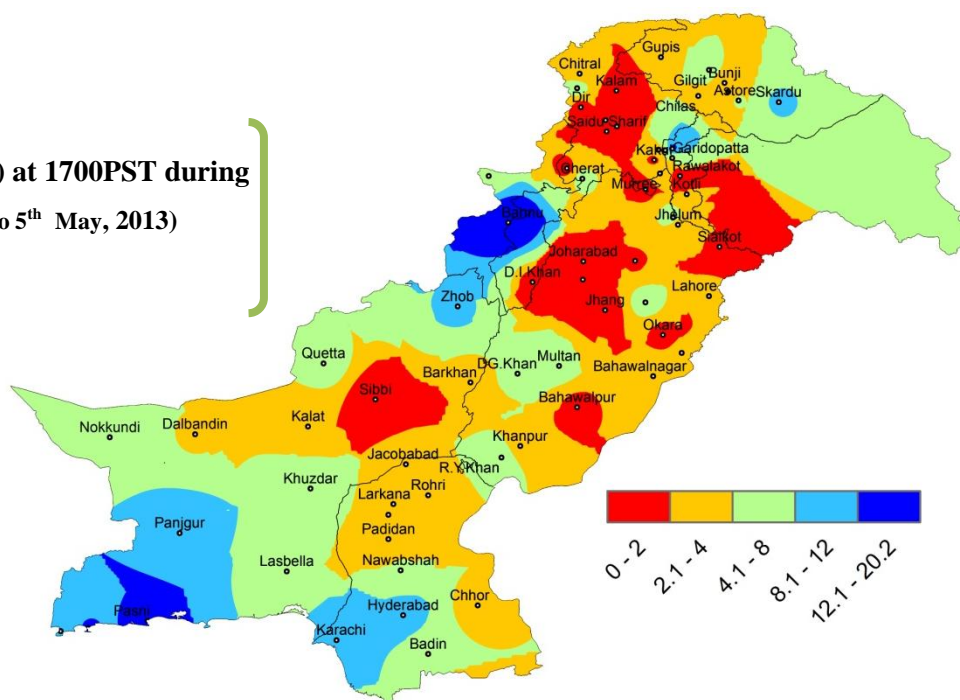
Mean Cloudiness (Oktas) at 1700PST during the last week (from 29th to 5th May, 2013)



Mean wind speed (Knots) at 0800 PST during the last week (from 29th to 5th May, 2013)



Mean wind speed (Knots) at 1700 PST during the last week (from 29th to 5th May, 2013)



Weekly Weather advisory for Farmers (from 6th to 12th May, 2013)

Continental air would prevail over most parts of the country during the week. A feeble westerly trough is affecting northern area and likely to move eastward during next 24 hours. A fresh shallow western disturbance would effect northern area from Friday evening till Sunday morning.

Punjab including Islamabad:

Mainly hot & dry weather is expected over most parts during the week. Rain-thunderstorm is expected at isolated places of Islamabad, Rawalpindi & Sargodha divisions on Saturday/Sunday morning.

Khyber Pakhtunkhwa:

Hot & dry weather would prevail over most parts of the province during the week. However, rain-thunderstorm is expected at few places of Malakand, Hazara divisions on Tuesday evening/night while at isolated places from Friday night till Sunday morning.

Balochistan:

Mainly hot and dry weather is expected over most parts of the province during the current week.

Sindh:

Mainly hot and dry weather is expected in most parts of the province during the current week.

Kashmir:

Rain-thunderstorm is expected at few places of Kashmir on Tuesday night while at isolated places on Saturday/Sunday.

Dry/partly cloudy weather is expected over most parts during remaining days of the week.

Gilgit-Baltistan:

Rain-thunderstorm is expected at few places of Gilgit-Baltistan tonight/Tuesday night while at isolated places on Saturday/Sunday.

Dry/partly cloudy weather is expected over most parts during remaining days of the week.

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 29th to 5th 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	16.2	21.0	41.5	51.5	25.0	3.7	6.4	1.7	4.3
Badin	40.0	42.5	192.4	47.1	3.0	1.2	0.9	4.7	4.3
Bahawalnagar	40.4	43.0	187.2	31.4	0.0	0.7	1.6	0.0	4.0
Bahawalpur	39.5	41.7	171.8	34.0	0.0	1.3	2.0	0.0	1.1
Balakot	27.9	31.0	116.6	42.3	4.5	2.8	5.4	2.5	2.3
Bannu	35.5	37.0	146.4	36.9	1.0	1.6	0.8	1.6	20.2
Barkhan	30.9	34.0	129.0	22.3	0.0	0.3	1.3	0.7	2.0
Bunji	24.7	27.8	107.3	63.0	7.1	5.3	6.1	0.3	2.0
Cherat	25.9	28.0	113.0	41.3	0.0	1.7	2.9	5.3	4.9
Chhor	41.8	42.3	192.1	41.1	0.0	1.0	0.7	1.7	2.3
Chilas	26.0	32.2	112.9	33.9	4.4	3.7	5.4	3.0	3.7
Chitral	22.3	28.0	70.9	71.7	32.0	4.7	5.4	1.7	2.9
D G Khan	37.0	39.5	157.8	35.0	0.0	0.0	0.4	0.3	1.1
D.I. Khan	34.4	36.5	140.6	23.1	0.0	0.5	1.0	2.0	3.4
Dalbandin	40.3	43.3	164.3	29.6	0.1	1.8	1.3	3.0	5.1
Dir	23.6	29.0	80.1	61.2	17.0	4.0	4.9	0.3	1.1
Drosh	22.3	28.0	66.8	51.3	23.0	5.7	5.0	0.7	5.3
Faisalabad	37.7	40.0	172.8	29.9	0.0	1.0	0.9	3.0	5.4
Garidopatta	30.1	34.5	121.4	57.2	5.0	1.3	3.1	0.0	2.9
Gawader	35.2	37.0	176.3	54.1	0.0	1.6	0.4	0.0	12.3
Gilgit	25.8	31.0	102.1	43.1	7.2	5.5	5.9	0.0	5.4

Gupis	20.5	23.5	65.1	46.9	31.0	2.8	5.6	2.3	2.9
Hyderabad	40.6	44.5	195.1	36.8	0.0	0.5	1.1	5.3	10.9
Islamabad	32.7	36.0	148.4	46.8	0.0	1.8	3.6	0.0	1.1
Jacobabad	40.0	43.0	182.6	26.3	0.0	2.0	0.6	2.0	3.1
Jhang	38.1	40.0	152.7	39.8	0.0	0.5	0.4	0.0	0.3
Jhelum	37.7	40.0	162.8	33.2	0.1	2.3	3.0	1.3	2.0
Jiwani	33.7	38.0	165.2	63.7	0.0	1.0	0.3	3.3	8.9
Joharabad	37.6	40.0	162.7	42.9	0.0	0.4	1.1	0.4	1.7
Kakul	26.0	29.5	99.1	53.0	3.0	2.2	3.7	0.3	1.7
Kalam	18.2	23.0	48.6	59.5	41.0	3.0	5.1	0.0	0.3
Kalat	23.0	25.0	70.3	33.3	0.0	0.0	0.6	0.0	2.0
Karachi	38.9	41.5	191.6	47.8	0.0	1.8	1.6	3.3	10.0
Khanpur	39.3	41.7	172.6	30.6	0.0	1.7	2.4	0.0	2.3
Khuzdar	29.6	32.0	134.6	24.6	0.0	1.3	0.3	1.0	6.9
Kotli	33.8	35.9	147.7	38.0	0.0	3.0	3.7	2.0	2.0
Lahore	37.9	41.0	175.0	26.8	0.0	2.0	1.7	2.0	2.3
Larkana	40.9	43.0	192.5	39.4	0.0	1.3	0.4	1.3	2.6
Lasbella	42.1	43.5	184.8	36.8	0.0	1.7	0.6	2.0	4.3
Lower Dir	31.4	34.0	174.1	44.0	14.0	2.2	3.1	2.0	2.0
M.B.din	37.8	40.0	133.1	31.3	0.0	3.0	2.3	1.0	1.7
Malam Jabba	15.5	17.7	45.7	50.1	47.0	2.8	4.7	0.7	0.4
Mangla	37.0	39.0	167.2	42.2	0.0	2.8	3.4	0.7	5.7
Mir Khani	23.7	26.3	106.1	53.4	21.0	4.0	4.9	0.0	3.1
Moen-Jo-Daro	40.7	43.5	170.4	35.6	0.0	1.2	0.7	0.3	3.1
Multan	38.5	41.3	168.7	29.3	0.0	2.3	2.7	2.3	5.1

Murree	22.1	29.5	110.2	43.0	1.0	3.2	2.0	3.3	3.4
Muzaffarabad	29.8	33.8	125.8	50.5	1.3	2.7	3.9	1.0	3.6
Nawabshah	41.9	44.5	192.1	38.2	0.0	1.7	1.0	2.3	4.4
Nokkundi	33.9	36.0	154.5	15.3	0.0	0.5	0.4	6.0	6.9
Noorpur Thal	39.5	42.5	146.5	37.7	0.0	0.0	0.0	0.0	0.6
Okara	38.5	41.5	167.8	37.4	0.0	1.8	1.4	1.3	1.1
Padidan	40.2	44.0	186.6	39.9	0.0	1.2	0.4	0.3	2.0
Panjgur	31.4	34.5	137.5	35.4	0.0	1.2	0.0	4.0	11.1
Parachinar	21.1	34.0	76.2	57.6	4.0	3.0	5.0	4.0	4.0
Pasni	36.2	39.5	171.8	62.7	0.0	1.2	1.0	2.3	12.6
Pattan	29.0	34.0	116.0	49.2	21.0	2.0	4.4	16.5	14.7
Peshawar	33.0	35.4	139.4	50.6	0.1	2.7	3.9	0.3	1.4
Quetta	25.5	28.5	***	30.7	0.0	1.2	2.4	0.0	5.7
R.Y.Khan	40.4	43.2	178.5	35.6	0.0	2.2	1.7	1.7	6.0
Rawalakot	24.5	26.5	78.0	60.9	0.0	2.3	3.6	0.0	1.1
Rohri	40.3	43.0	193.5	29.5	0.0	2.7	0.7	1.7	2.3
Sahiwal	37.8	39.5	163.2	41.4	0.0	1.5	1.0	1.3	2.6
Saidu Sharif	27.8	30.7	105.7	47.0	12.0	3.3	4.4	1.2	1.7
Sialkot	37.3	40.0	174.2	34.3	0.0	2.3	2.0	0.3	1.4
Sibbi	39.5	42.0	184.2	40.3	0.0	0.7	0.6	0.0	0.0
Skardu	21.1	23.6	102.8	33.1	7.0	4.3	6.0	0.0	8.7
Zhob	29.1	31.5	119.0	14.5	0.0	0.3	1.1	5.0	9.0

*** Data not available