

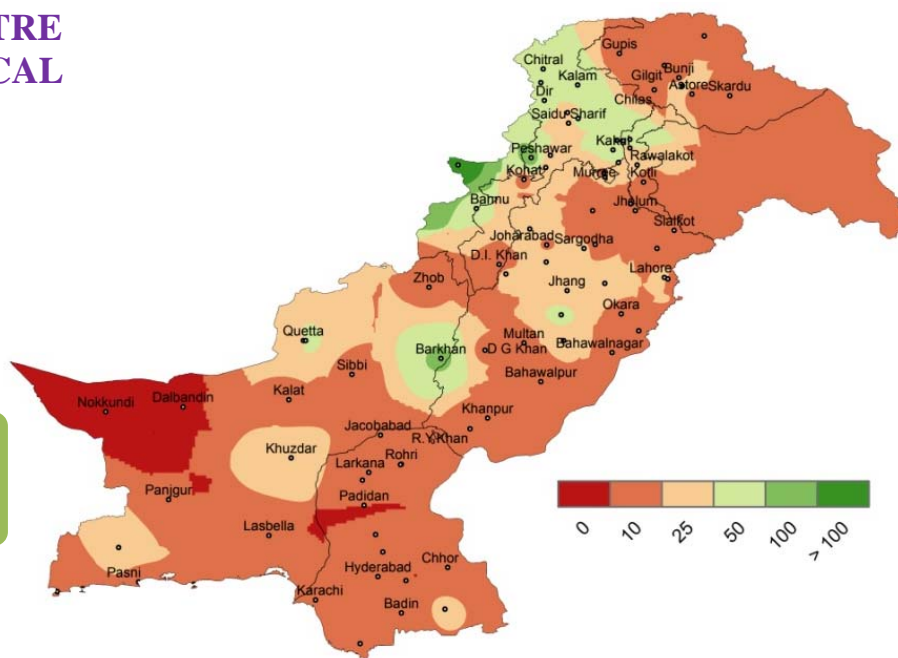
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall distribution (mm) during the
Last week (from 22nd to 28th April, 2013)**



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Highlights of Past Weather (22nd to 28th April, 2013)

Light to moderate rainfall occurred in most of the agricultural plains of the country during the week.

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 most of places of the agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 32.5 °C & 18.8°C respectively. For the present season on average 144.8 growing degree days accumulated by the end of last week. Average relative humidity recorded as 55% and wind speed in the morning/evening recorded as 2.2/2.8 Knots. During the previous week highest amount of rainfall reported from Murree as 39.0 mm and extreme maximum temperature recorded as 30.0 °C at the Shorkot.

Sindh

Light to moderate rainfall reported from most of places of agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 36.8°C & 23.6°C respectively. For the present season on average 176.5 growing degree days accumulated by the end of last week. Average relative humidity recorded as 52% and wind speed in the morning/evening recorded as 4.0/4.7 Knots. During the previous week highest amount of rainfall reported from Hyderabad as 21.0 mm and extreme maximum temperature recorded as 41.7°C at Chhor.

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 24.3°C & 12.9°C respectively. For the present season on average 91.7 growing degree days accumulated by the end of last week. Average relative humidity recorded as 64 % and wind speed in the morning/evening recorded as 1.3/1.8 Knots. During the previous week the highest rainfall

recorded from Parachinar as 176.0 mm and extreme maximum temperature recorded as 31.3°C at Bannu.

Balochistan

Light rainfall reported from most of places of the agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 30.0°C & 18.0 °C respectively. For the present season on average 117.2 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 2.3/7.0 Knots. During the previous week highest amount of rainfall reported from Barkhan as 53.1 mm and extreme maximum temperature recorded as 38.5 °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 23.7°C & 11.4°C respectively. For the present season on average 87.2 growing degree days accumulated by the end of last week. Average relative humidity recorded as 56 % and wind speed in the morning/evening recorded as 0.6/3.2 Knots. During the previous week the highest rainfall recorded from Pattan/Muzaffarabad as 32.0 mm and extreme maximum temperature recorded as 32.2°C at Kotli.

Past Weather for Major Agricultural Plains**(from 22nd to 28th April, 2013)****Rawalpindi (Potohar region)**

Rainfall reported as 10.2 mm during the week however cloudiness in the morning/evening as 4.8/5.6 Oktas while average relative humidity observed as 61 %. Mean day time temperature recorded as 39.9 °C & for the present season 129.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.2/2.5 Km/h.

Faisalabad (Central Punjab)

Rainfall reported as 11.0 mm during the week however cloudiness in the morning/evening as 3.4/6.0 Oktas while average relative humidity observed as 45%. Mean day time temperature recorded as 33.8 °C & for the present season 157.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.3/2.7 Km/h.

Tandojam (Lower Sindh)

Rainfall reported as 18.0 mm during the week, however cloudiness in the morning/evening as 1.6/4.0 Oktas while average relative humidity observed as 52%. Mean day time temperature recorded as 39.0 °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 1.4/2.3 Km/h.

Quetta (Northern Balochistan)

Rainfall reported as 9.8 mm during the week however cloudiness in the morning/evening as 4.8/4.4 Oktas while average relative humidity observed as 57%. Mean day time temperature observed as 21.6°C & for the present season 85.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 6.1/6.6 Km/h.

Usta Muhammad (Eastern Balochistan)

No rainfall reported during the week, however cloudiness in the morning/evening as 1.0/2.1 Oktas while average relative humidity observed as 38%. Mean day time temperature recorded as 34.7 °C & for the present season 174.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.8/4.1 Km/h.

Past Weather for sub regional Agri-cultural Plains (from 22nd to 28th April, 2013)**Rohri**

Rainfall reported as 0.1 mm during the week however cloudiness in the morning/evening as 14.0/4.1 Oktas while average relative humidity observed as 50 %. Mean day time temperature recorded as 37.0°C & for the present season 174.3 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 13.1/3.7 Knots.

Multan

Rainfall reported as 3.3 mm during the week however cloudiness in the morning/evening as 3.6/6.3 Oktas while average relative humidity observed as 54 %. Mean day time temperature recorded as 35.3°C & for the present season 152.5 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 8.0/6.3 Knots.

Lahore

Rainfall reported as 15.1 mm during the week however cloudiness in the morning/evening as 4.6/4.6 Oktas while average relative humidity observed as 46%. Mean day time temperature recorded as 37.7°C & for the present season 156.3 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 0.9/6.3 Knots.

Zhob

Rainfall reported as 3.0 mm during the week however cloudiness in the morning/evening as

5.7/7.2 Oktas while average relative humidity observed as 55%. Mean day time temperature recorded as 27.0°C . & for the present season 95.0 growing degree days accumulated by the end of last week Wind recorded in the morning/evening as 5.6/10.3 Knots.

D.I. Khan

Rainfall reported as 1.1 mm during the week however cloudiness in the morning/evening as 2.4/5.1 Oktas while average relative humidity observed as 59%. Mean day time temperature recorded as 34.5°C & for the present season 144.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/0.3 Knots.

Peshawar

Rainfall reported as 69.3 mm during the week however cloudiness in the morning/evening as 3.7/5.7 Oktas while average relative humidity observed as 67%. Mean day time temperature recorded as 31.0°C & for the present season 126.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.0 Knots.

Murree

Rainfall reported as 24.0 mm during the week however cloudiness in the morning/evening as 4.7/6.0 Oktas while average relative humidity observed as 67 %. Mean day time temperature recorded as 18.3C & for the present season 58.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/1.7 Knots.

Kalam

Rainfall reported as 48.0 mm during the week however cloudiness in the morning/evening as 4.6/6.3 Oktas while average relative humidity observed as 71%. Mean day time temperature recorded as 16.7°C & for the present season 42.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.1 Knots.

Gilgit

Rainfall reported as 1.2 mm during the week, however cloudiness in the morning/evening as

5.9/7.0 Oktas while average relative humidity observed as 41%. Mean day time temperature recorded as 26.1°C & for the present season 100.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 0.0/7.3 Knots.

Skardu

No rainfall reported during the week however cloudiness in the morning/evening as 5.3/5.7 Oktas while average relative humidity observed as 36%. Mean day time temperature recorded as 23.8°C & for the present season 72.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/7.3 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 *Wax-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 .

Wheat: Harvested on 24-04-2013 .

Lower Sindh (Tandojam)

Cotton(BT-3701): sowing on 28-04-2013

Northern Balochistan (Quetta)

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

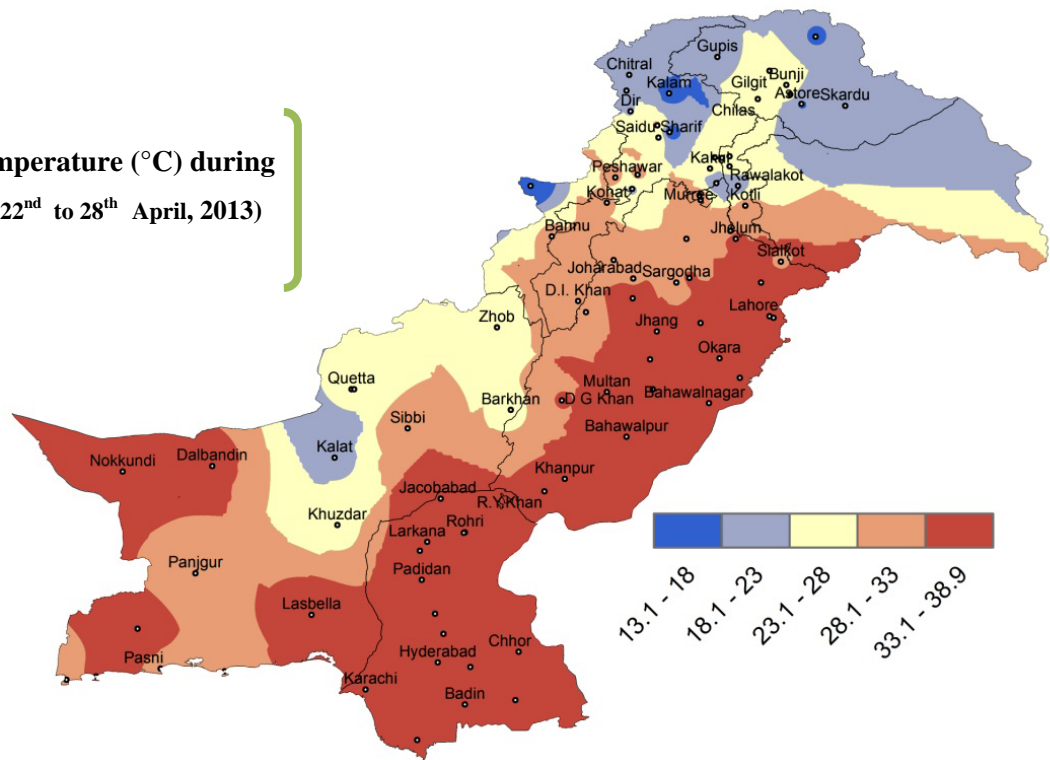
Wheat: Good condition at *Flowering* stage.

Eastern Balochistan (Usta Muhammad)

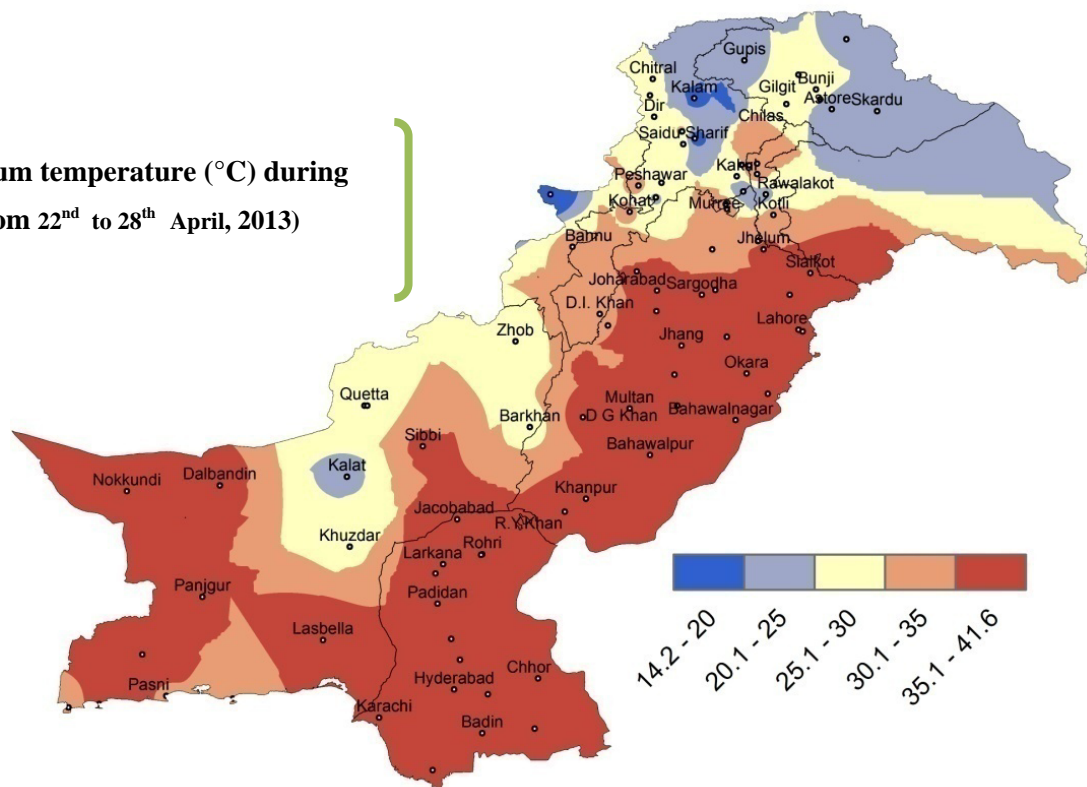
There is presently one crop (irrigated conditions) grown in the fields as detailed below.

Wheat: Good condition at *Wax Maturity* stage .

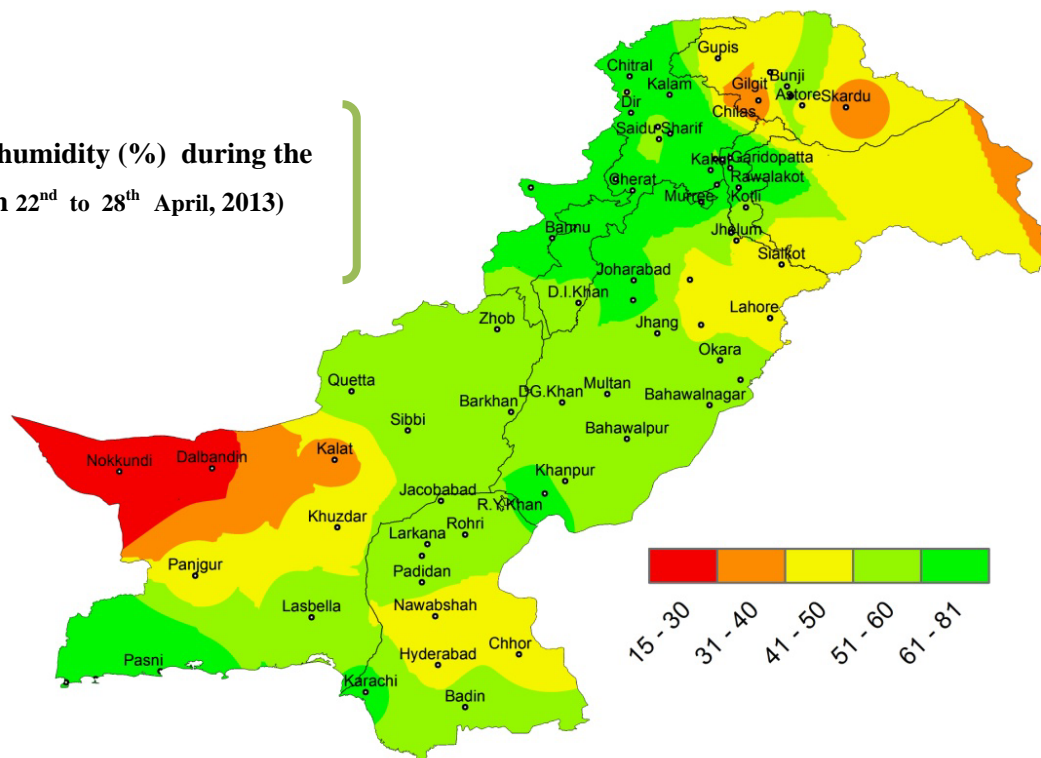
**Mean maximum temperature (°C) during
the last week (from 22nd to 28th April, 2013)**



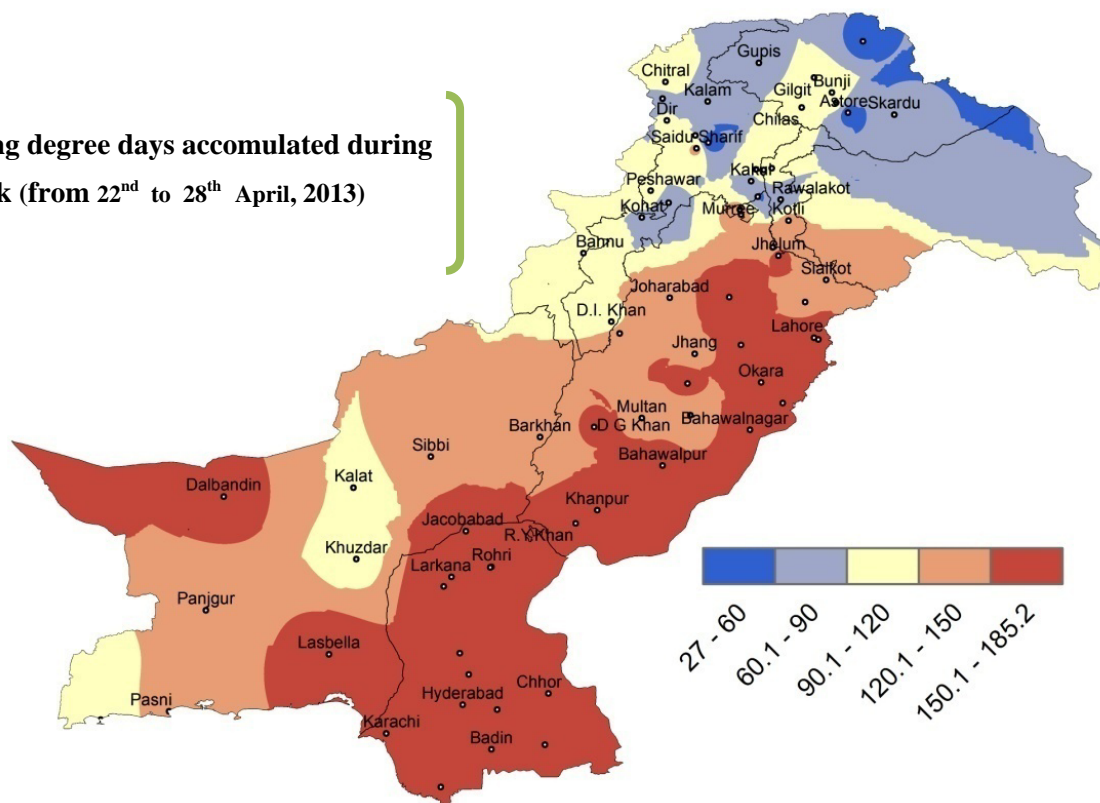
**Extreme maximum temperature (°C) during
the last week (from 22nd to 28th April, 2013)**



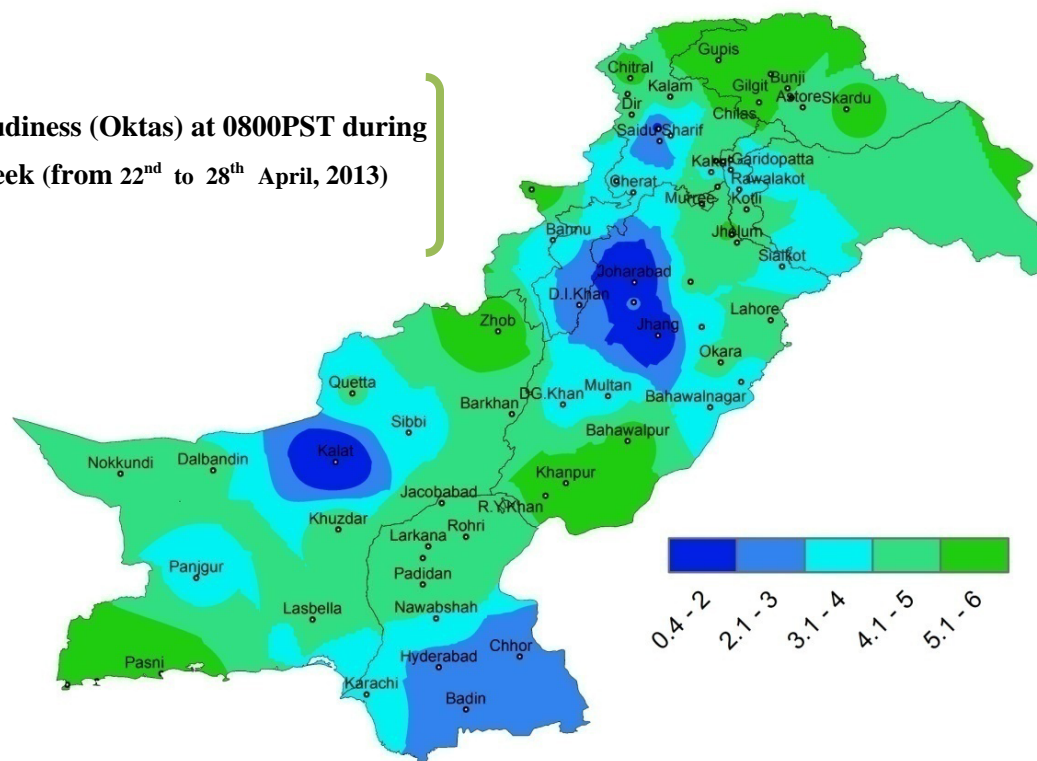
Mean relative humidity (%) during the last week (from 22nd to 28th April, 2013)



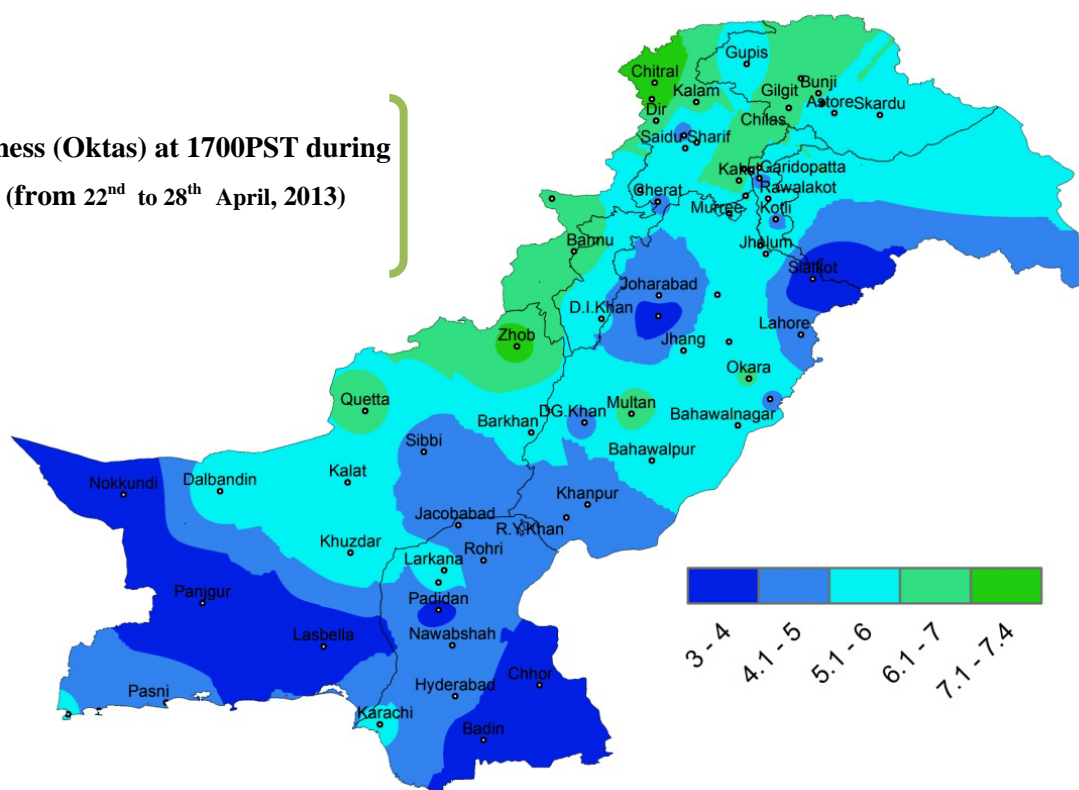
Total growing degree days accumulated during the last week (from 22nd to 28th April, 2013)



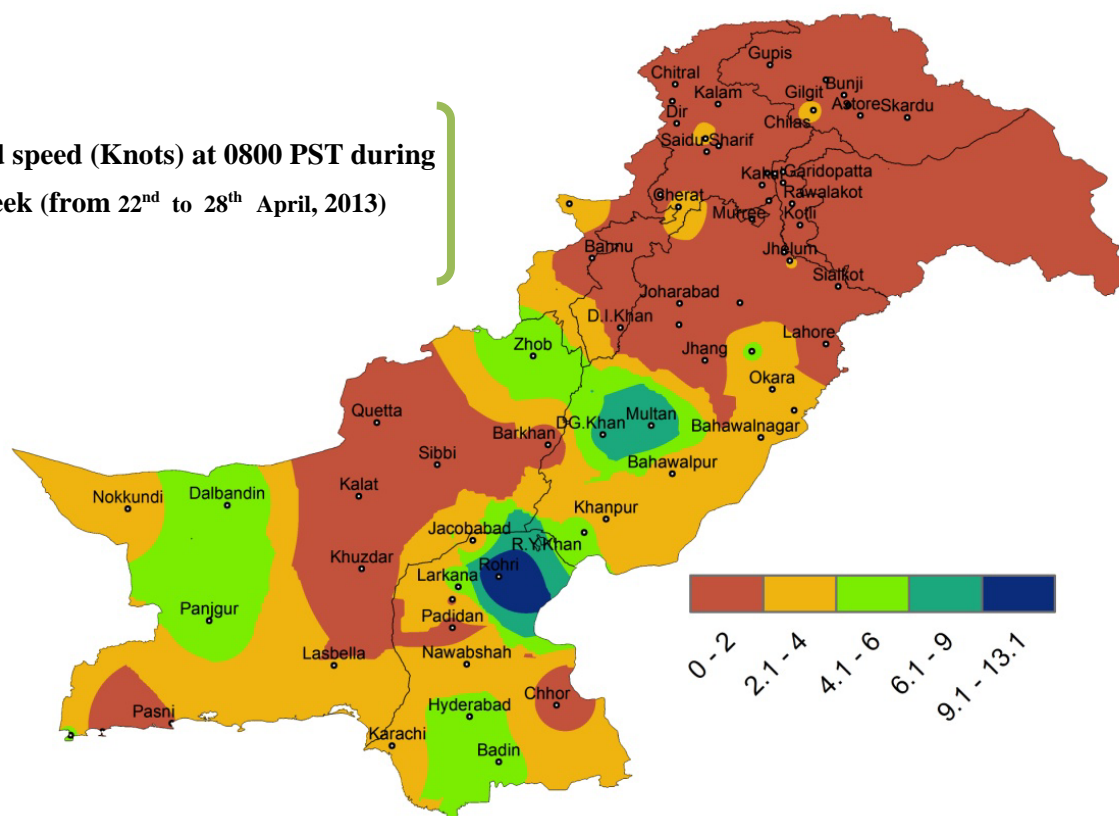
**Mean Cloudiness (Oktas) at 0800PST during
the last week (from 22nd to 28th April, 2013)**



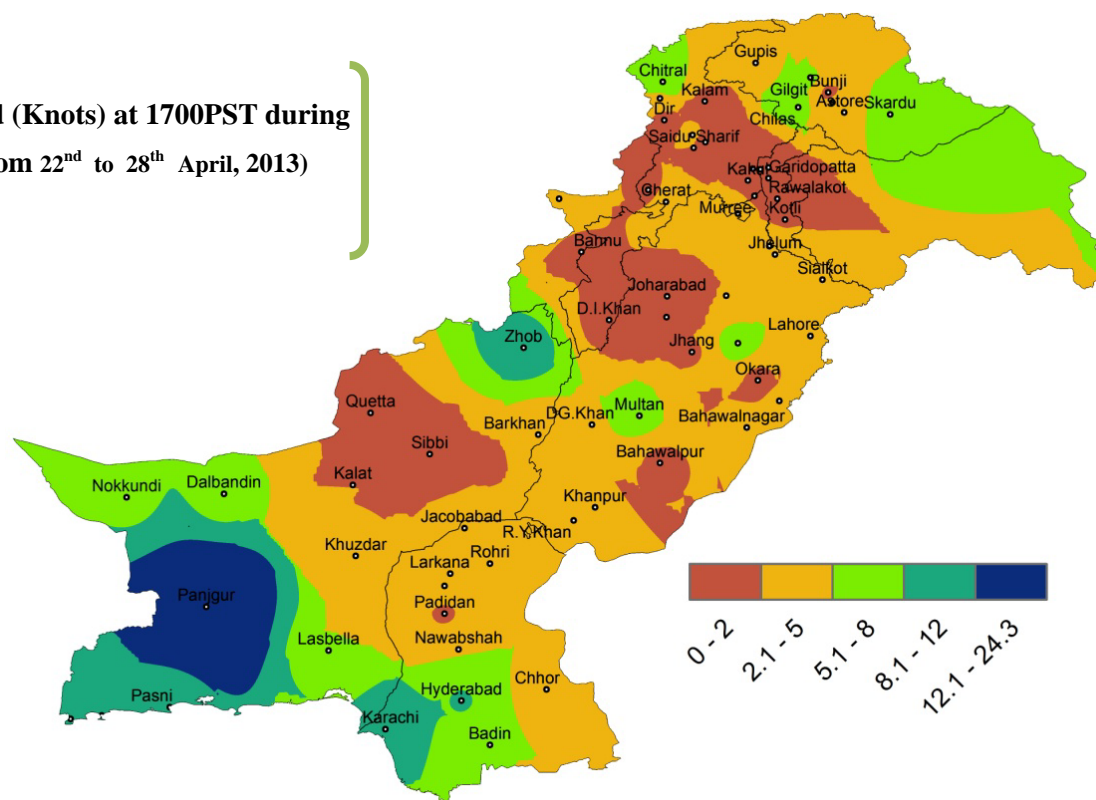
**Mean Cloudiness (Oktas) at 1700PST during
the last week (from 22nd to 28th April, 2013)**



Mean wind speed (Knots) at 0800 PST during
the last week (from 22nd to 28th April, 2013)



Mean wind speed (Knots) at 1700 PST during
the last week (from 22nd to 28th April, 2013)



Weekly Weather advisory for Farmers (from 29th April to 5th May, 2013)

A fresh westerly wave is affecting the upper and central parts of the country and likely to persist in upper parts of the country during the current week.

Punjab including Islamabad:

Rain-thunderstorm is expected at isolated places of Islamabad, Rawalpindi & Sargodha divisions on Monday & Tuesday. Hot & dry weather is expected in most parts of the province during remaining days of the week.

Khyber Pakhtunkhwa:

Rain-thunderstorm is expected at isolated places of Malakand, Hazara, Peshawar, Kohat divisions on Monday/Tuesday. Hot & dry weather is expected in most parts of the province during remaining days of the week.

Balochistan:

Mainly hot and dry weather is expected in 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 isolated places of Kashmir on Monday/Tuesday & Saturday/Sunday with periods. Dry/partly cloudy weather expected during remaining days of the week.

Gilgit-Baltistan:

Rain-thunderstorm is expected at isolated places of Gilgit-Baltistan on Monday/Tuesday & Saturday/Sunday with periods. Dry/partly cloudy weather expected 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 22nd to 28th April, 2013)

Stations	Minimum/Night 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	17.4	21.2	40.1	47	2.7	4.3	5.9	0.9	4.0
Badin	37.8	41.0	182.6	55	0.1	2.4	3.5	4.3	5.0
Bahawalnagar	35.5	39.5	165.2	50	2.0	3.3	5.3	2.0	2.6
Bahawalpur	34.4	39.0	158.3	52	0.3	5.6	5.0	2.3	1.1
Balakot	27.3	29.7	112.9	58	23.1	4.7	6.6	0.0	1.7
Bannu	29.3	32.4	109.1	64	29.3	3.6	6.4	1.1	1.4
Barkhan	26.8	28.5	129.9	52	55.0	4.4	5.2	1.1	2.3
Bunji	25.6	28.8	111.3	59	0.1	5.6	6.6	0.9	1.4
Cherat	22.1	24.0	70.8	65	16.0	3.0	4.9	3.1	3.7
Chhor	39.0	41.7	183.3	49	0.0	2.4	3.2	1.4	3.3
Chilas	27.3	29.4	113.5	32	0.0	5.6	6.1	2.3	6.6
Chitral	22.7	25.5	107.1	72	31.0	5.3	7.4	0.6	7.4
DG.Khan	33.2	36.5	153.4	52	6.2	2.4	4.9	6.3	4.9
D.I.Khan	32.6	34.5	101.3	59	1.1	4.1	5.1	2.0	0.3
Dalbandin	33.9	36.0	168.0	29	0.0	3.9	5.5	5.4	6.3
Dir	22.9	26.0	93.0	69	36.0	4.7	6.4	0.0	0.6
Drosh	22.1	25.5	75.9	58	37.0	4.4	7.3	0.0	4.6
Faisalabad	33.6	36.5	153.1	48	22.0	3.7	5.7	4.3	6.9
Garidopatta	25.0	32.5	91.3	68	17.0	3.1	4.0	0.0	1.3
Gawader	33.6	36.5	100.9	70	0.0	5.1	4.1	0.6	10.0
Gilgit	20.1	22.0	65.8	41	1.2	5.9	7.0	0.6	5.7
Hyderabad	37.5	41.0	185.3	47	0.0	2.3	4.1	5.1	8.3
Islamabad	29.3	31.5	125.9	66	8.0	4.0	5.6	0.6	3.7
Jacobabad	34.4	37.0	172.9	53	0.0	4.4	4.4	2.9	2.9
Jhang	33.7	36.5	146.3	54	13.0	1.1	5.3	0.6	1.7
Jhelum	33.6	36.0	153.5	49	0.1	3.9	5.6	2.3	2.6
Jiwani	31.5	33.0	128.8	64	0.0	5.3	5.3	4.3	9.3
Joharabad	32.9	35.5	145.1	63	7.0	0.9	4.3	0.6	0.9
Kakul	24.4	26.0	69.2	67	44.0	3.6	6.1	0.0	1.4
Kalam	16.7	19.0	80.8	71	48.0	4.6	6.3	0.0	1.1
Kalat	21.5	24.0	118.5	36	0.0	0.4	5.6	0.0	2.0
Karachi	35.1	38.0	175.9	63	6.0	3.9	5.1	3.4	9.7
Khanpur	33.9	36.5	154.8	55	2.0	5.4	5.0	2.0	2.0
Khuzdar	26.2	29.0	105.3	47	24.4	4.7	5.3	0.9	2.7
Kotli	29.9	32.2	131.6	52	8.0	4.6	4.9	2.0	1.7
Lahore	34.7	37.7	155.4	46	15.1	4.6	4.6	0.9	3.7
Larkana	35.2	37.0	176.4	54	0.1	4.4	5.3	5.4	4.3
Lasbella	35.9	38.5	174.9	53	0.0	4.0	3.5	2.0	5.0

Lower Dir	29.1	31.5	90.3	56	18.0	1.7	4.3	3.7	2.9
Malam Jabba	13.8	16.0	25.2	64	31.0	4.2	6.0	0.3	0.3
Mandibahudin	33.2	36.2	159.0	49	0.2	4.0	5.1	0.0	2.0
Mangla	32.6	34.5	145.8	52	1.1	5.6	5.3	0.6	4.0
Mir Khani	23.9	25.0	107.0	53	32.0	4.3	5.1	0.0	2.4
Moinjodaro	35.4	37.0	162.3	56	0.0	4.4	5.3	1.7	3.0
Multan	33.0	35.3	145.6	54	3.3	3.6	6.3	8.0	6.3
Murree	18.3	20.0	57.9	67	24.0	4.7	6.0	0.6	1.7
Muzaffarabad	27.8	32.0	110.7	63	25.0	3.9	5.7	0.3	0.0
Nokkundi	35.1	38.0	0.0	15	0.0	3.9	3.3	3.4	7.0
Noorpurthal	33.6	37.5	***	62	23.2	4.4	3.3	0.3	0.6
Okara	33.8	37.0	156.6	54	5.1	2.1	6.1	2.3	1.1
Padidan	35.6	37.0	167.3	52	0.0	4.4	3.4	1.7	1.6
Panjgur	30.9	35.0	124.3	45	0.0	5.0	3.0	4.9	24.3
Parachinar	13.0	14.2	69.9	82	161.0	3.7	6.8	3.6	4.3
Pasni	32.6	34.5	130.5	75	6.0	6.0	4.4	2.0	8.6
Pattan	25.7	30.0	96.5	60	48.0	6.0	6.4	0.3	0.3
Peshawar	28.9	31.0	110.8	67	69.3	4.4	5.7	0.3	1.0
Quetta	23.1	27.0	112.0	56	18.0	3.7	6.3	0.0	1.1
R.Y.Khan	34.5	37.4	161.9	66	0.2	4.2	4.4	4.9	3.1
Rawalakot	20.9	23.5	68.1	80	10.1	5.0	6.0	0.3	0.6
Rohri	34.7	37.0	176.0	50	0.1	3.6	4.1	13.1	3.7
Sahiwal	34.0	35.6	149.8	54	8.0	4.0	4.9	2.9	2.6
Saidu Sharif	26.3	27.5	138.3	59	19.2	3.4	6.0	0.0	2.0
Sialkot	32.9	36.2	136.7	44	1.5	2.6	3.0	1.4	2.3
Sibbi	32.9	36.0	126.5	56	0.1	3.6	4.6	0.0	0.0
Skardu	21.5	23.8	70.8	36	0.0	3.7	5.7	0.0	7.3
Zhob	24.6	27.0	***	55	3.0	5.3	7.2	5.6	10.3

*** Data not available