

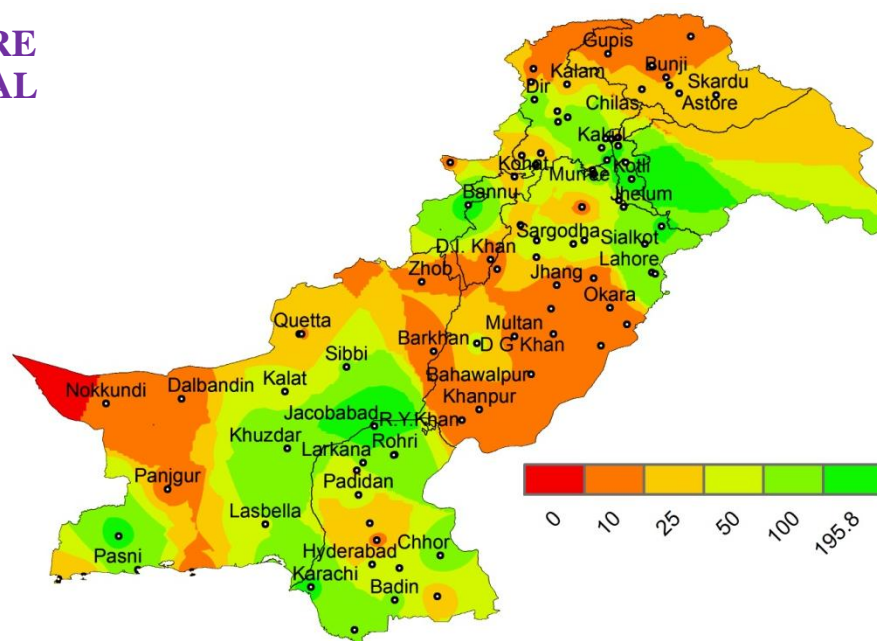
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall distribution (mm) during the Last
week (from 29th July to 4th August, 2013)**



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Highlights of Past Weather (from 29th July to 4th August, 2013)

Light to Moderate rainfall with isolated heavy spells reported from a number of places in the Punjab, Khyber Pakhtunkhwa, Balochistan and Sindh provinces and Gilgit Baltistan & Kashmir regions.

Pattern-in-Chief: Arif Mahmood (Director General)
Chief Editor: Dr. Khalid Mehmood Malik (Director)
Editor: Tahir Mehmood (Assistant Meteorologist)

Punjab

Light to Moderate rainfall with isolated heavy spells reported from a number of places in the Punjab province during the week. Weekly maximum temperature and minimum temperature recorded as 36.0°C & 26.3°C respectively. For the present season on average 185.9 growing degree days accumulated by the end of last week. Average relative humidity recorded as 73% and wind speed in the morning/evening recorded as 2.0/3.6 Knots. During the previous week highest amount of rainfall reported at Murree as 122.0 mm and extreme maximum temperature recorded as 42 °C at the Bhakkar.

Sindh

Light to Moderate rainfall with isolated heavy spells reported from a number of places in the Sindh province during the week. Weekly maximum temperature and minimum temperature recorded as 35.5°C & 27.0°C respectively. For the present season on average 181.8 growing degree days accumulated by the end of last week. Average relative humidity recorded as 67% and wind speed in the morning/evening recorded as 4.3/5.2 Knots. During the previous week highest amount of rainfall reported at Jacobabad as 196.0 mm and Extreme maximum temperature recorded as 41.5°C at Dadu

Khyber Pakhtunkhwa

Light to Moderate rainfall with isolated heavy spells reported from a number of places in the Khyber- Pakhtunkhwa Province during the week. Weekly maximum temperature and minimum temperature recorded as 32.5°C & 22.2°C respectively. For the present season on average 154.9 growing degree days accumulated by the end of last week. Average relative humidity recorded as 72% and wind speed in the morning/evening

recorded as 0.6/3.5 Knots. During the previous week the highest rainfall recorded at Bannu as 118.0 mm and extreme maximum temperature recorded as 40.5 °C at D.I Khan.

Balochistan

Light to Moderate rainfall with isolated heavy spells reported from a number of places in the Balochistan province during the week. Weekly maximum temperature and minimum temperature recorded as 35.8°C & 24.4°C respectively. For the present season on average 169.0 growing degree days accumulated by the end of last week. Average relative humidity recorded as 59% and wind speed in the morning/evening recorded as 1.2/5.8 Knots. During the previous week highest amount of rainfall reported at Turbat as 69.0 mm Extreme maximum temperature recorded as 47.5°C at Nokkundi.

Gilgit Baltistan and Azad Jammu & Kashmir

Light to Moderate rainfall with isolated heavy spells reported from a number of places in the Gilgit- Baltistan & Kashmir regions. Weekly maximum temperature and minimum temperature recorded as 34.7°C & 22.0°C respectively. For the present season on average 163.2 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 0.7/2.8 Knots. During the previous week the highest rainfall recorded at Kotli as 189.1 mm and extreme maximum temperature recorded as 45.6°C at Chilas.

Past Weather for Major Agricultural Plains (from 29th July to 4th August, 2013)

Rawalpindi (Potohar region)

Rainfall reported as 44.2 mm during the week however cloudiness in the morning/evening 3.4/5.7 Oktas while average relative humidity observed as 71%. Mean day time temperature recorded as 34.6 °C & for the present season 178.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/2.7 Km/h.

Faisalabad (Central Punjab)

Rainfall reported as 3.2 mm during the week however cloudiness in the morning/evening as 4.4/5.7 Oktas while average relative humidity observed as 60%. Mean day time temperature recorded as 38.1°C & for the present season 198.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/2.3Km/h.

Tandojam (Lower Sindh)

Rainfall reported as 97.0 mm during the week, however cloudiness in the morning/evening as 5.2/5.9 Oktas while average relative humidity observed as 80%. Mean day time temperature recorded as 33.5 °C & for the present season 173.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.1/3.4 Km/h.

Quetta (Northern Balochistan)

Rainfall reported as 5.4 mm during the week, however cloudiness in the morning/evening as 4.0/6.1 Oktas while average relative humidity observed as 54%. Mean day time temperature observed as 33.9 °C & for the present season 158.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.4/5.7 Km/h.

Usta Muhammad (Eastern Balochistan)

Rainfall reported as 170.0 mm during the week, however cloudiness in the morning/evening as 2.0/2.3 Oktas while average relative humidity observed as 52%. Mean day time temperature recorded as 41.8 °C & for the present season 151.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.1/0.1 Km/h.

Past Weather for sub regional Agri-cultural Plains (from 29th July to 4th August, 2013)

Rohri

Rainfall reported as 59.1 mm during the week, however cloudiness in the morning/evening as 4.3/3.8 Oktas while average relative humidity observed as 62%. Mean day temperature recorded as 37.2°C & for the present season 194.8 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 3.0/2.8 Knots.

Multan

Rainfall reported as 5.0 mm during the week , however cloudiness in the morning/evening as 4.3/4.4 Oktas while average relative humidity observed as 54%. Mean day time temperature recorded as 37.3°C & for the present season 195.2 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 5.3/11.2 Knots.

Lahore

Rainfall reported as 60 mm during the week however, cloudiness in the morning/evening as 7.3/6.4 Oktas while average relative humidity observed as 76%. Mean day time temperature recorded as 34.8°C & for the present season 175.1 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 2.7/1.6Knots.

Zhob

Rainfall reported as 10 mm during the week however, cloudiness in the morning/evening as 4.0/5.8 Oktas while average relative humidity observed as 67%. Mean day temperature recorded as 33.4°C & for the present season 166.0 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 5.0/8.6 Knots.

D.I. Khan

Rainfall reported as 6.1 mm during the week however cloudiness in the morning/evening as 4.5/3.2 Oktas while average relative humidity observed as 72%. Mean day temperature was recorded 37.1°C & for the present season 186.2 growing degree days accumulated by the end of last week by the end of last week. Wind speed recorded in the morning/evening as 1.0/0.8 Knots.

Peshawar

Rainfall reported as 11.0 mm during the week however cloudiness in the morning/evening as 5.7/5.4 Oktas while average relative humidity observed as 79%. Mean day temperature recorded as 35.1°C & for the present season 181.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/1.6 Knots.

Murree

Rainfall reported as 122.0 mm during the week however cloudiness in the morning/evening as 6.3/8.0 Oktas while average relative humidity observed as 91%. Mean day temperature recorded as 23.4°C & for the present season 104.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/2.8 Knots.

Kalam

Rainfall reported as 14.0 mm during the week, however cloudiness in the morning/evening as 5.8/6.6 Oktas while average relative humidity observed as 76%. Mean day temperature recorded as 25.5°C & for the present season 124.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.2 Knots.

Gilgit

Rainfall reported as 7.0 mm during the week, however cloudiness in the morning/evening as 3.8/6.0 Oktas while average relative humidity observed as 56%. Mean day temperature recorded as 38.0°C & for the present season 169.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 0.0/3.6 Knots.

Skardu

Rainfall reported as 11.0 mm during the week, however cloudiness in the morning/evening as 3.8/4.8 Oktas while average relative humidity observed as 31%. Mean day temperature recorded as 34.9°C & for the present season 145.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/5.3 Knots.

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

Potohar Region (Rawalpindi)

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

Maize: Sowing stage completed on 03.08.2013

Central Punjab (Faisalabad)

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

Sugarcane: Very Good condition, *Tillering* stage completed.

Cotton: Very Good condition at *Boll Opening* stage.

Lower Sindh (Tandojam)

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

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

Northern Balochistan (Quetta)

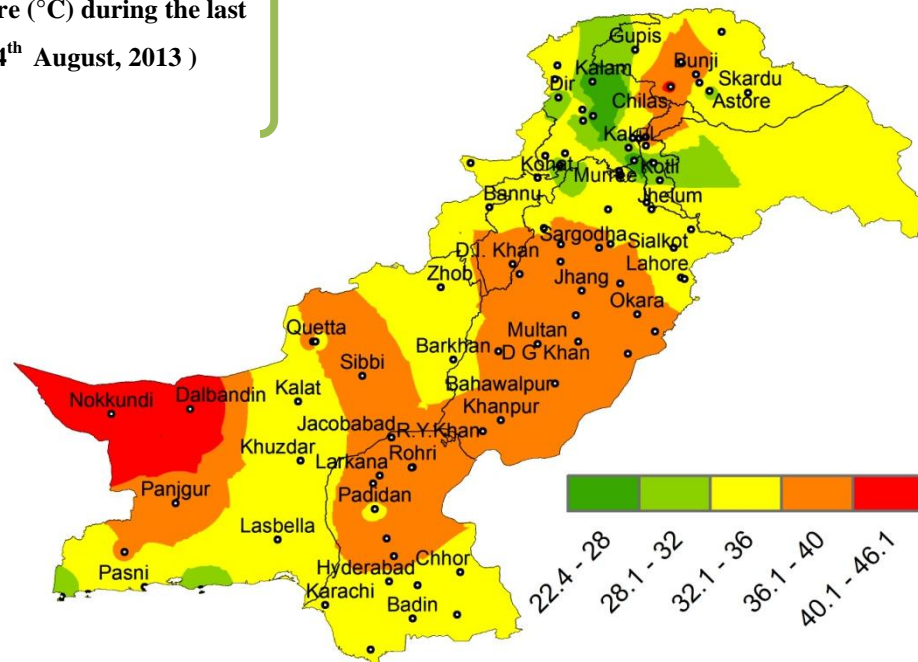
There is presently no crop in the fields.

Eastern Balochistan (Usta Muhammad)

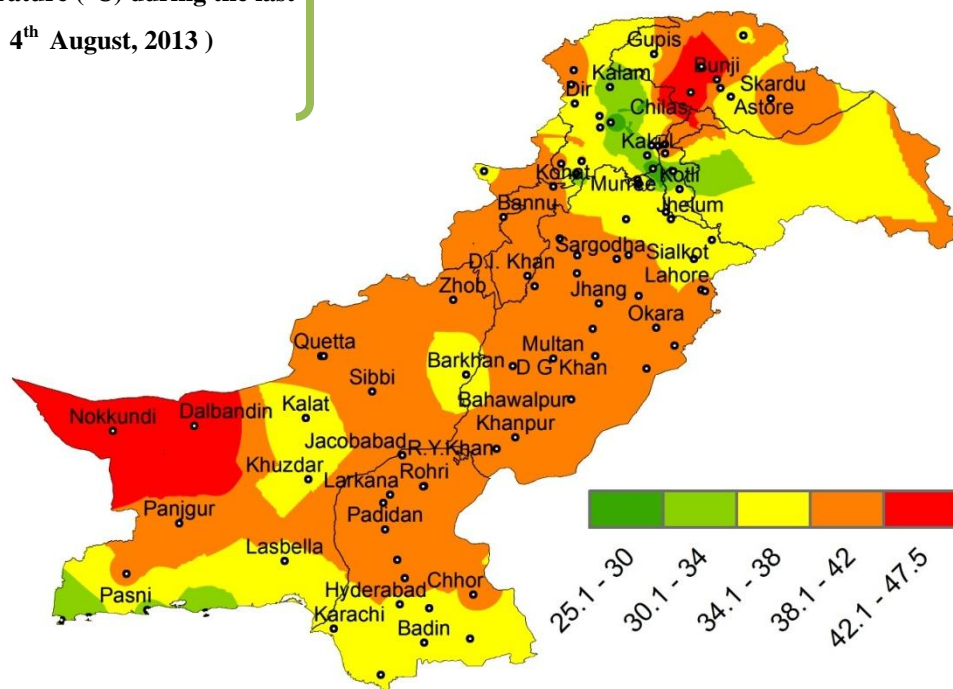
There is only one crop (irrigated conditions) grown in the fields as detailed below.

Rice: Badly damage by the heavy rain.

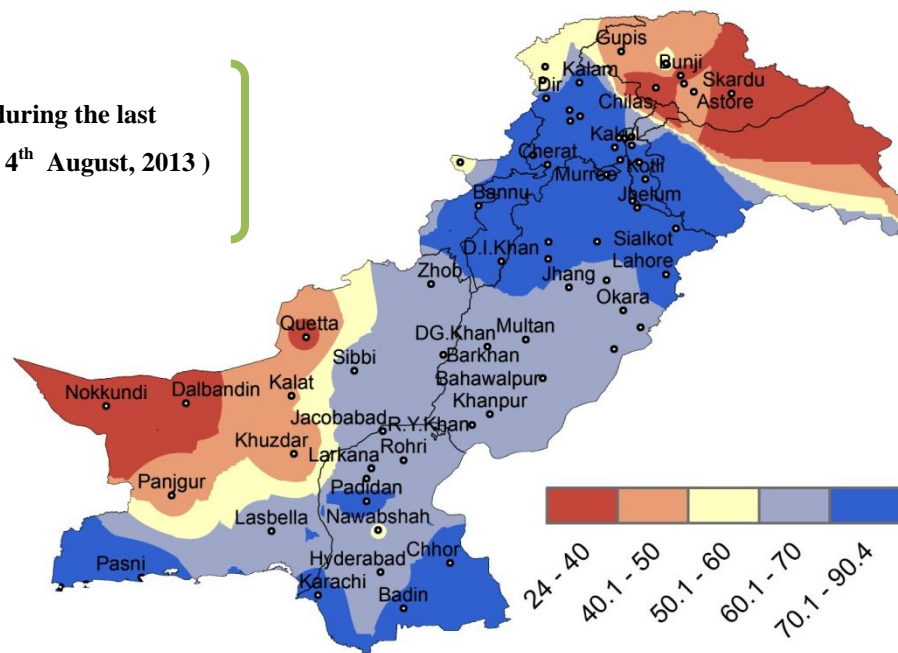
Mean maximum temperature (°C) during the last week (from 29th July to 4th August, 2013)



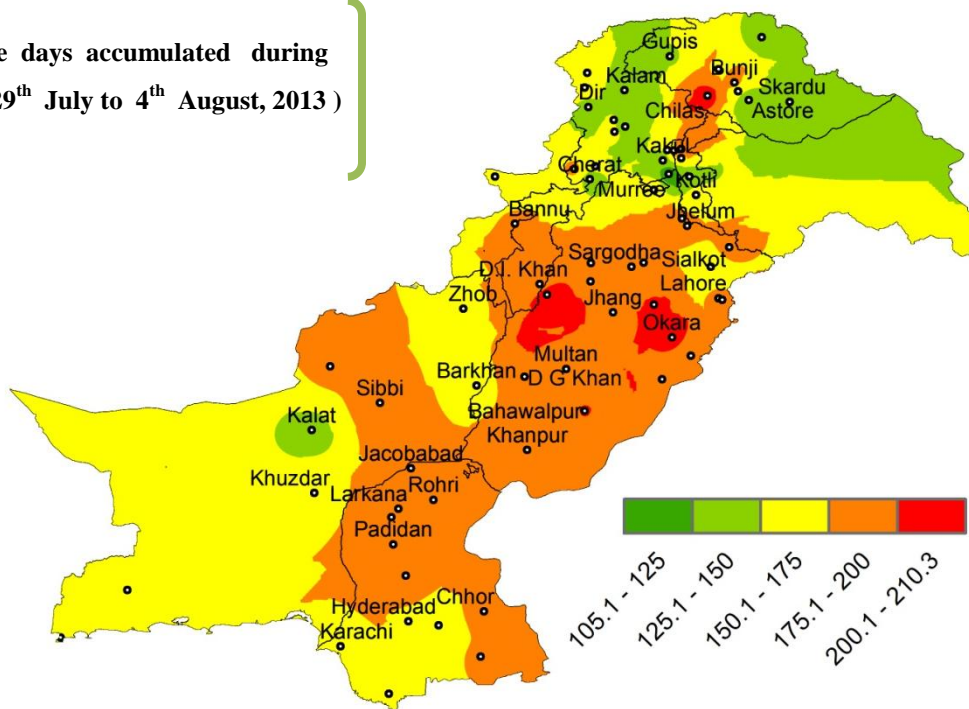
Extreme maximum temperature (°C) during the last Week (from 29th July to 4th August, 2013)



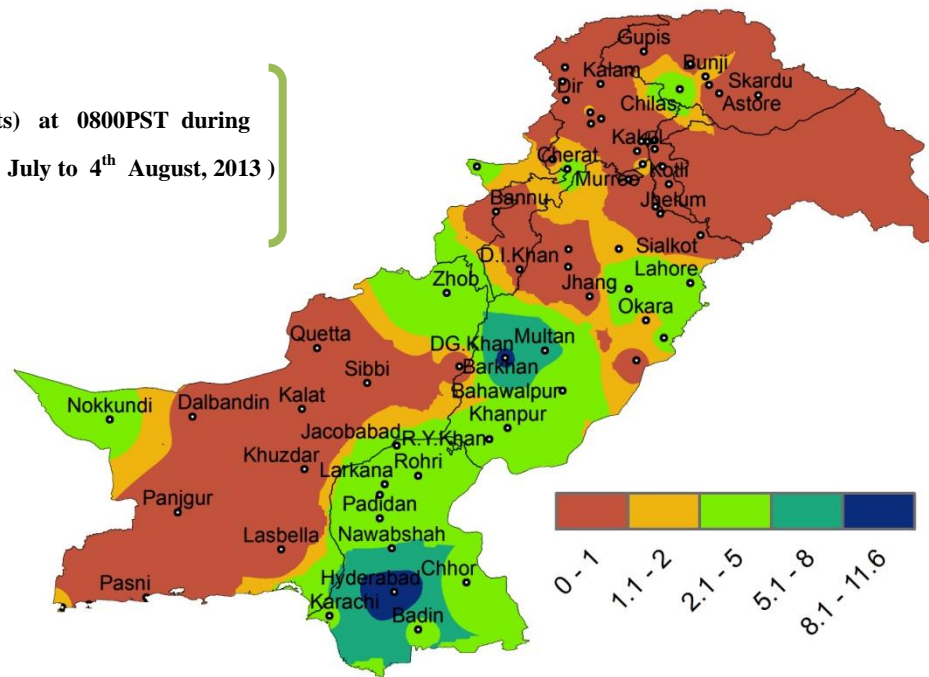
Mean realitive humidity during the last week (from 29th July to 4th August, 2013)



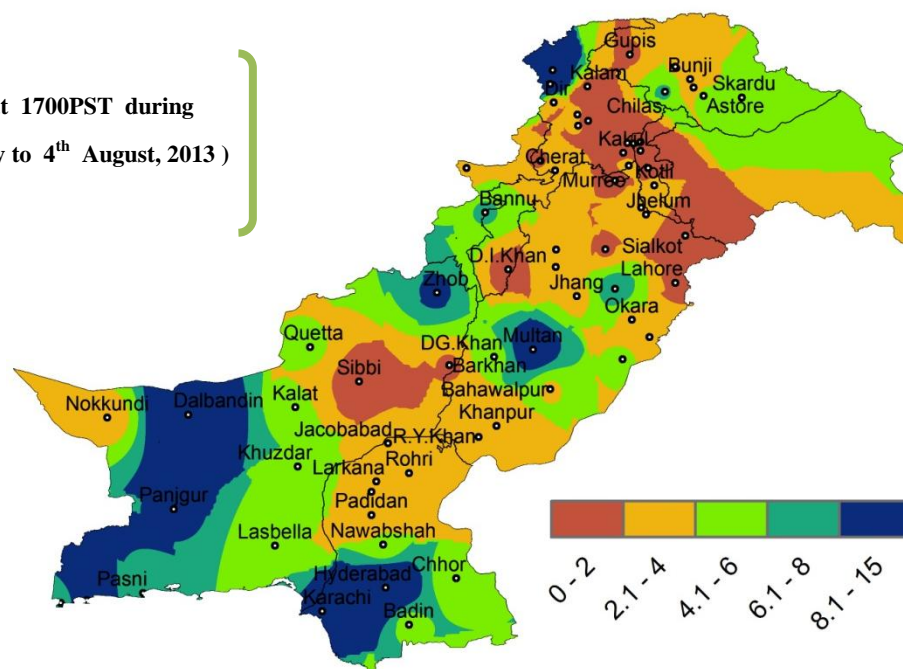
Total growing degree days accumulated during the last week (from 29th July to 4th August, 2013)



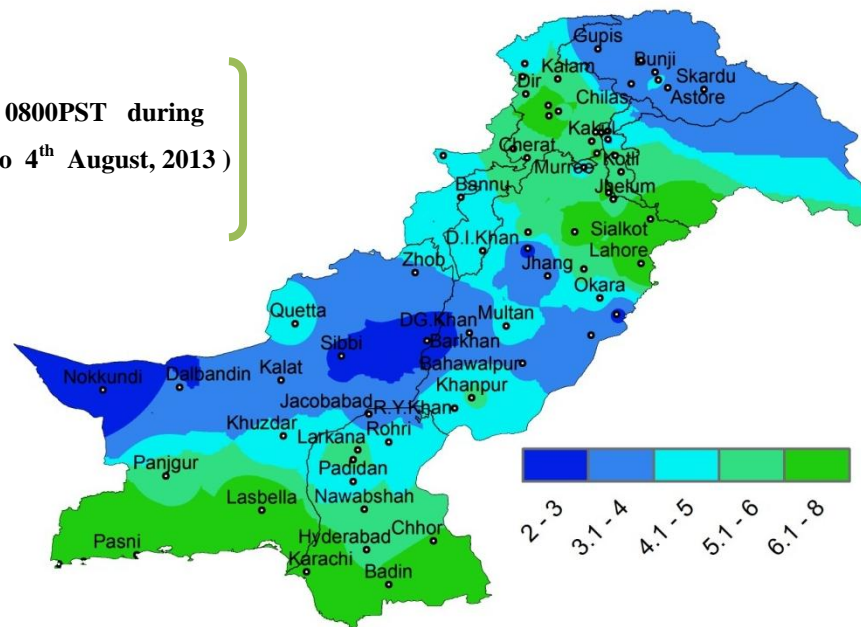
Mean wind speed (Knots) at 0800PST during
The last week (from 29th July to 4th August, 2013)



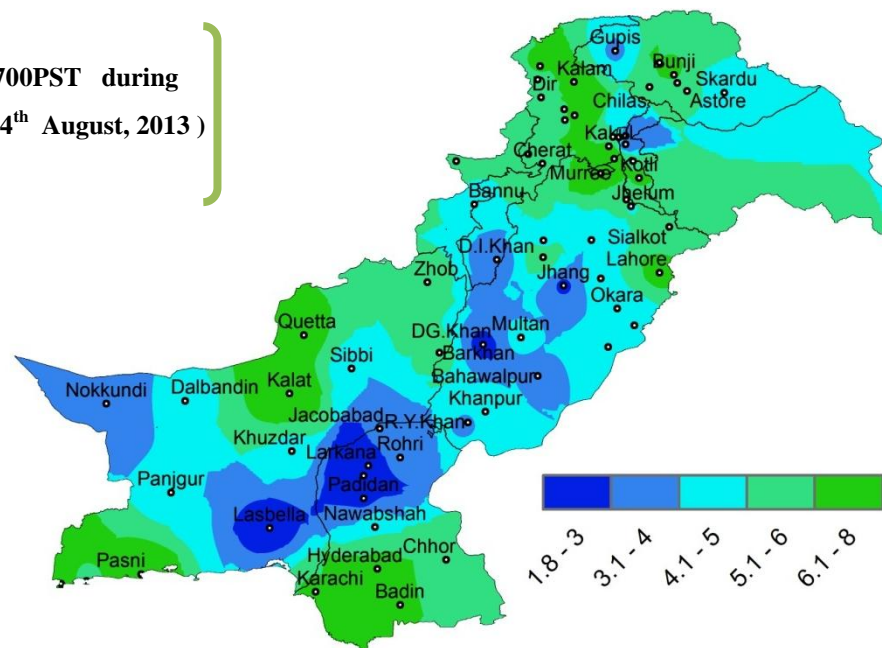
Mean wind speed (Knots) at 1700PST during
the last week (from 29th July to 4th August, 2013)



Mean Cloudiness (Oktas) at 0800PST during
the last week (from 29th July to 4th August, 2013)



Mean Cloudiness (Oktas) at 1700PST during
the last week (from 29th July to 4th August, 2013)



Weekly Weather advisory for Farmers (from 5th to 11th August , 2013)

A well marked seasonal low lies over northwest Balochistan and adjoining areas. Monsoonal currents from the Arabian Sea are penetrating into most parts of the country and likely to continue during the current week. Monsoon weather system will remain active on upper parts of the country from tomorrow (Tuesday) and would continue during the week.

Punjab including Islamabad:

Rain-thundershower associated with gusty winds is expected at isolated to scattered places of Islamabad, Upper Punjab including Rawalpindi, Gujranwala, Lahore and Sargodha divisions with occasional gaps during the week.

Khyber Pakhtunkhwa:

Rain-thundershower associated with gusty winds is expected at isolated to scattered places of upper KP (Malakand, Hazara and Kohat divisions) with occasional gaps during the week.

Balochistan:

Mainly Hot & Humid weather is expected in most parts of the province during the week. However, rain-thundershower associated with gusty winds is expected at isolated places in Makran, Sibbi, Zhob, Kalat and Quetta divisions during the week.

Sindh:

Mainly Hot & Humid weather is expected in most parts of the province during the week. However, rain-thundershower associated with gusty winds is

expected at isolated places in Lower Sindh during second half of the week.

Kashmir:

Rain-thundershower (with isolated heavy falls) associated with gusty winds is expected at scattered places of Kashmir during the current week.

Gilgit-Baltistan:

Mainly Dry/Partly cloudy weather is expected in most parts of GB during the week, However rain-thunderstorm is expected at isolated places of GB during the week.

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 29th July to 4th August, 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	Lowest							
Astore	30.7	34.5	132.6	45	11.0	3.3	5.2	0.3	5.2
Badin	33.6	36.5	***	71	54.1	6.2	6.0	4.4	5.0
Bahawalnagar	38.2	41.0	199.5	66	5.0	3.3	4.8	0.7	4.4
Bahawalpur	37.9	40.2	200.1	62	8.0	3.8	3.6	2.0	3.6
Balakot	31.9	33.5	148.6	83	102.0	5.2	5.2	0.3	1.0
Bannu	35.2	40.0	176.3	78	118.0	4.2	4.6	0.0	6.4
Barkhan	33.7	36.0	160.0	63	0.3	2.5	5.6	0.0	1.6
Bunji	38.2	43.3	190.3	33	8.0	3.5	6.6	2.3	4.0
Cherat	27.6	31.5	141.0	85	51.0	5.7	5.8	2.7	4.0
Chhor	35.9	38.5	182.3	75	66.0	6.0	5.5	3.3	4.0
Chilas	40.2	45.6	208.4	29	14.2	3.7	5.4	4.0	6.4
Chitral	34.1	39.2	158.9	55	5.0	4.2	6.4	0.0	12.4
D.I.Khan	37.1	40.5	186.2	72	6.1	4.5	3.2	1.0	0.8
Dalbandin	42.8	47.0	***	37	0.0	3.0	4.5	0.8	15.0
DG.Khan	37.9	40.4	200.4	66	28.1	3.0	2.6	8.5	5.2
Dir	30.4	36.0	139.3	79	80.0	6.0	5.4	0.0	1.6
Drosh	35.4	40.1	170.1	49	6.0	5.3	5.2	0.0	12.8
Faisalabad	38.2	40.5	201.8	64	0.1	5.3	4.8	4.0	8.0
Garidopatta	35.5	38.5	169.5	76	133.0	3.7	3.2	0.0	0.0
Gawader	32.2	33.0	***	74	13.0	8.0	5.8	0.0	11.6
Gilgit	38.0	44.5	169.8	56	8.0	3.8	6.0	0.0	3.6

Gupis	31.9	37.5	146.8	40	9.0	3.0	3.8	0.7	1.6
Hyderabad	33.9	36.5	174.0	67	27.0	5.8	6.6	11.6	14.8
Islamabad	34.3	37.5	177.5	76	30.0	4.7	6.2	0.3	1.2
Jacobabad	36.4	40.0	192.5	70	196.0	3.2	3.2	2.0	3.2
Jhang	38.0	40.0	196.5	63	2.0	3.8	2.8	0.7	3.2
Jhelum	35.0	37.8	178.7	77	59.0	5.8	4.8	0.0	2.0
Jiwani	30.9	31.5	164.3	78	13.0	6.0	6.4	1.3	6.4
Joharabad	36.1	40.0	186.8	83	37.0	5.8	4.8	1.0	3.6
Kakul	29.7	32.0	139.9	83	80.0	5.7	6.4	0.0	1.6
Kalam	25.5	30.5	124.5	76	14.0	5.8	6.6	0.0	1.2
Kalat	32.2	35.0	142.3	50	40.0	3.7	7.4	0.3	4.4
Karachi	32.0	34.0	170.5	71	103.0	7.6	6.2	4.8	8.4
Khanpur	37.0	39.1	194.7	68	1.1	5.3	5.0	2.0	2.8
Khuzdar	32.7	38.0	158.0	44	96.0	4.0	4.8	0.0	6.0
Kotli	32.0	34.4	163.9	78	183.1	5.7	6.2	0.0	2.4
Lahore	34.8	38.0	175.1	76	74.3	7.3	6.4	2.7	1.6
Larkana	37.1	40.5	191.8	71	82.0	5.2	2.2	3.0	2.4
Lasbella	34.8	38.0	***	67	49.1	7.2	2.4	0.3	4.0
Lower Dir	33.8	38.5	151.0	74	20.0	6.3	5.8	1.3	2.4
M.B Din	35.7	38.0	182.2	78	50.0	6.5	4.0	1.7	1.6
Malam Jabba	22.2	25.0	136.3	84	79.0	5.8	7.4	0.0	0.0
Mangla	34.3	37.3	176.1	83	28.0	6.2	5.6	0.0	4.0
Mir Khani	35.6	38.0	150.7	43	13.0	4.5	4.8	0.0	1.8
Moinjodaro	36.9	40.0	193.2	59	15.1	5.2	1.8	4.3	4.0
Multan	37.3	38.3	195.2	64	5.0	4.3	4.4	5.3	11.2

Murree	23.4	25.0	104.8	90	122.1	6.3	8.0	1.7	2.8
Muzaffarabad	35.4	36.7	173.9	76	31.1	6.7	5.4	0.0	0.0
Nawabshah	36.4	40.0	187.5	59	15.0	5.4	5.0	5.0	4.3
Nokkundi	46.2	47.5	***	24	0.0	2.0	3.0	2.7	2.3
Noorpurthal	38.5	41.8	198.6	75	24.0	2.5	5.8	0.0	2.8
Okara	37.5	40.5	202.8	69	0.0	4.7	4.4	1.7	3.2
Padidan	35.8	38.5	187.0	80	31.1	4.6	2.8	2.4	3.2
Panjgur	38.4	41.0	***	46	2.0	5.3	4.3	0.0	9.0
Parachinar	34.8	37.6	162.6	56	7.0	4.8	5.4	3.0	3.0
Pasni	32.6	33.5	***	79	59.0	8.0	6.8	0.8	6.0
Pattan	38.1	41.5	194.0	52	0.0	4.3	2.8	0.0	0.8
Peshawar	35.1	39.0	181.2	79	20.1	5.7	5.4	0.7	1.6
Quetta	36.6	40.0	***	38	12.0	4.3	6.5	0.0	4.5
R.Y.Khan	38.6	40.7	***	67	0.2	4.0	3.8	3.7	3.6
Rawalakot	27.6	29.5	125.4	89	75.3	5.5	5.4	0.0	1.2
Rohri	37.2	41.0	194.8	62	76.1	4.3	3.8	3.0	2.8
Sahiwal	37.9	40.2	192.8	66	0.0	2.8	4.0	2.3	2.8
Saidu Sharif	32.4	37.0	154.8	79	69.1	6.2	5.4	0.0	2.4
Sialkot	33.8	37.0	178.6	80	103.0	6.3	5.4	0.0	0.0
Sibbi	38.7	42.0	192.3	69	52.0	2.8	4.0	0.0	0.0
Skardu	34.9	39.5	145.6	31	11.0	3.8	4.8	0.0	5.3
Zhob	33.4	38.5	166.0	67	10.0	4.0	5.8	5.0	8.6

*** Data not available