

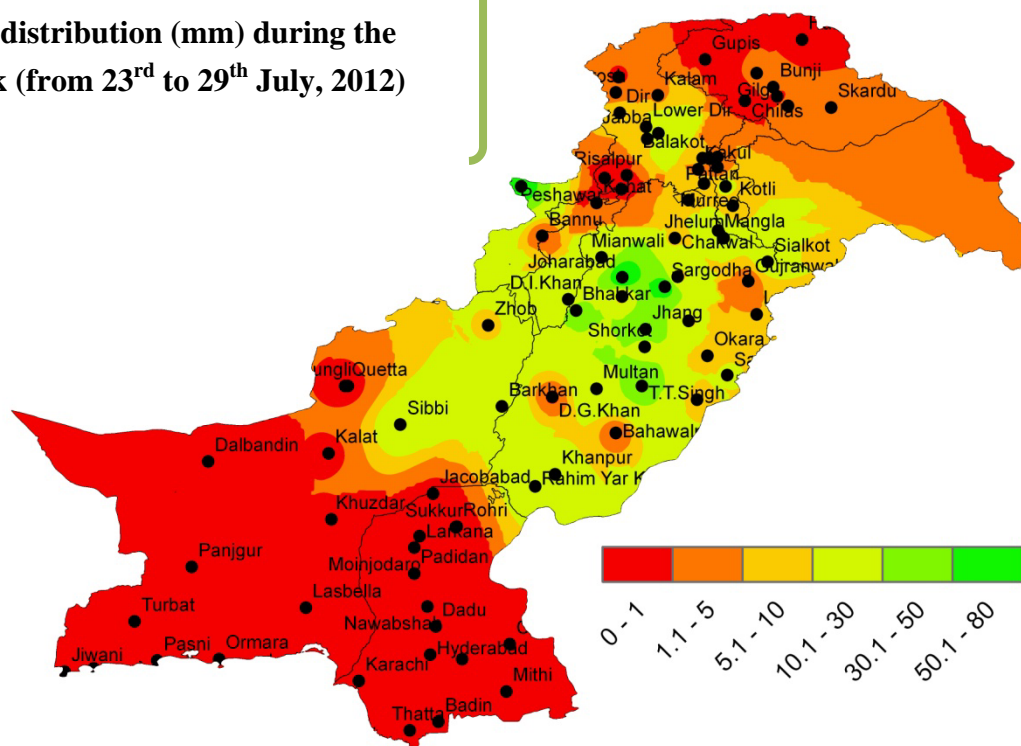
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall distribution (mm) during the
last week (from 23rd to 29th July, 2012)**



Highlights of Past Weather (from 23rd to 29th July,

2012):

Monsoon rains of this season continued with a slower pace mainly in upper half of the country. Due to which light to moderate rainfall reported from scattered places of Punjab, upper Khyber Pakhtoonkhwa, Gilgit Baltistan & Kashmir and few places in northern & eastern parts of Balochistan during the week. Whereas dry weather rainfall reported from Sindh and rest of the agricultural plains of Balochistan.

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Punjab

Light to moderate rainfall reported from scattered places of Punjab during the decade, chief amount received from the eastern parts of the province. Weekly maximum temperature and minimum temperature recorded as 38.6°C & 27.9°C respectively. For the present season on average 196.9 growing degree days accumulated by the end of last week. Average relative humidity recorded as 60% and wind speed in the morning/evening recorded as 2.0/3.0 Knots. During the previous week the highest rainfall recorded at Sialkot as 130 mm and the extreme maximum temperature recorded at Noorpurthal as 44.0°C.

Sindh

Dry weather reported from most of the places except Karachi where rainfall occurred in meager amount. Weekly maximum temperature and minimum temperature recorded as 38.5°C & 27.1°C respectively. For the present season on average 194.1 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 8.0/8.0 Knots. During the previous week rainfall occurred only at Karachi as 0.1 mm and extreme maximum temperature recorded at Nawabshah as 44.0°C.

Khyber Pakhtoon Khawa (KP)

Light rainfall reported from scattered places especially from central-eastern parts of KP during the week. Weekly maximum temperature and minimum temperature recorded as 35.8°C & 21.8°C respectively. For the present season on average 169.5 growing degree days accumulated by the end of last week. Average relative humidity recorded as 54 % and wind speed in the morning/evening recorded as 2.0/3.0 Knots. During the previous week the highest rainfall recorded at Balakot as 32 mm and the extreme maximum temperature recorded at Bannu as 43.6°C.

Balochistan

Light rainfall reported from few of the agricultural plains in the northern and central parts of the province. Weekly maximum temperature and minimum temperature recorded as 37.4°C & 23.8°C respectively. For the present season on average 183.1 growing degree days accumulated by the end of last week. Average relative humidity recorded as 47% and wind speed in the morning/evening recorded as 4.0/9.0 Knots. During the previous week the highest rainfall recorded at Sibbi as 24 mm and the extreme maximum temperature recorded at Turbat as 46.5°C.

Gilgit Baltistan and Azad Jammu & Kashmir

Light to moderate rainfall reported from most of the agricultural plains of the specified region especially from Kashmir. Weekly maximum temperature and minimum temperature recorded as 34.0°C & 19.7°C respectively. For the present season on average 149.4 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 1.0/4.0 Knots. During the previous week the highest rainfall recorded at Kotli as 67 mm and the extreme maximum temperature recorded at Chillas as 42.6°C.

Past Weather for Major Agricultural Plains (from 23rd to 29th July, 2012)

Rawalpindi (Potohar region)

Rainfall reported as 22 mm during the last week, cloudiness recorded in the morning/evening as 2.9/3.0 oktas and average relative humidity 59%. Mean day temperature recorded as 36.9°C & for the present season 184.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.0/1.0 Knots.

Tandojam (Lower Sindh)

No rainfall reported during the last week, cloudiness recorded in the morning/evening as 1.2/2.5 oktas and average relative humidity 61%. Mean day temperature recorded as 37.9°C & for the present season 189.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 12.0/13.7 Km/h.

Faisalabad (Central Punjab)

No rainfall reported during the last week, cloudiness recorded in the morning/evening as 1.4/1.8 oktas and average relative humidity 58%. Mean day temperature recorded as 37.9°C & for the present season 203.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 7.1/6.3 Knots.

Quetta (Northern Balochistan)

No Rainfall reported during the last week, cloudiness recorded in the morning/evening as 0.8/0.8 oktas and average relative humidity 22%. Mean day temperature recorded as 36.6°C & for the present season 176.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.7/7.0 Km/h.

Usta Muhammad (Eastern Balochistan)

No Rainfall reported during the last week, with clear skies and average relative humidity 36%. Mean day temperature recorded as 40.6°C & for the present season 185.5 growing degree days accumulated by the end of last week. Wind speed

recorded in the morning/evening as 14.3/13.7 Km/h.

Past Weather for sub regional Agricultural Plains (from 23rd to 29th July, 2012)

Rohri

No rainfall reported during the last week, cloudiness recorded in the morning/evening as 0.0/0.5 oktas and average relative humidity 61%. Mean day temperature recorded as 41.9°C & for the present season 209.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.7/4.0 Knots.

Skardu

No rainfall reported during the last week, cloudiness recorded in the morning/evening as 3.0/5.2 oktas and average relative humidity 45%. Mean day temperature recorded as 38°C & for the present season 133.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/4.7 Knots.

Multan

Rainfall reported as 2.0 mm during the last week, cloudiness recorded in the morning/evening as 1.9/3.2 oktas and average relative humidity 59%. Mean day temperature recorded as 40.4°C & for the present season 211.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 6.0/8.0 Knots.

Lahore

Rainfall reported as 40.1 mm during the last week, cloudiness recorded in the morning/evening as 2.4/4.7 oktas and average relative humidity 64%. Mean day temperature recorded as 37.8°C & for the present season 194.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/1.3 Knots.

Sargodha

No Rainfall reported during the last week, cloudiness recorded in the evening as 3.4 oktas and average relative humidity 52%. Mean day temperature recorded as 39.6°C & for the present season 207.0 growing degree days accumulated by the end of last week. Wind speed recorded in the evening as 9.3 Knots.

Gilgit.

Rainfall reported as 0.6 mm during the last week, cloudiness recorded in the morning/evening as 3.2/5.5 oktas and average relative humidity 48%. Mean day temperature recorded as 36.3°C & for the present season 153.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.0/5.7 Knots.

Jhelum

Rainfall reported as 36.1 mm during the last week, cloudiness recorded in the morning/evening as 3.0/4.0 oktas and average relative humidity 66%. Mean day temperature recorded as 38.0°C & for the present season 192.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/3.7 Knots.

D.I. Khan

No Rainfall reported during the last week, cloudiness recorded in the morning/evening as 2.6/4.0 oktas and average relative humidity 66%. Mean day temperature recorded as 39.3°C & for the present season 197.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/3.3 Knots.

Peshawar

No Rainfall reported during the last week, cloudiness recorded in the morning/evening as 2.6/4.0 oktas and average relative humidity 58%. Mean day temperature recorded as 40.3°C & for the present season 198.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 7.3/5.0 Knots.

Murree

Rainfall reported as 5.0 mm during the last week, cloudiness recorded in the morning/evening as 3.9/3.0 oktas and average relative humidity 72%. Mean day temperature recorded as 25.7°C & for the present season 116.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/0.7 Knots.

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

Potohar Region (Rawalpindi)

Presently no crop is grown in the fields.

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, Budding stage completed.

Lower Sindh (Tandojam)

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

Cotton (BT-886): Good condition at Boll Opening stage.

Northern Balochistan (Quetta)

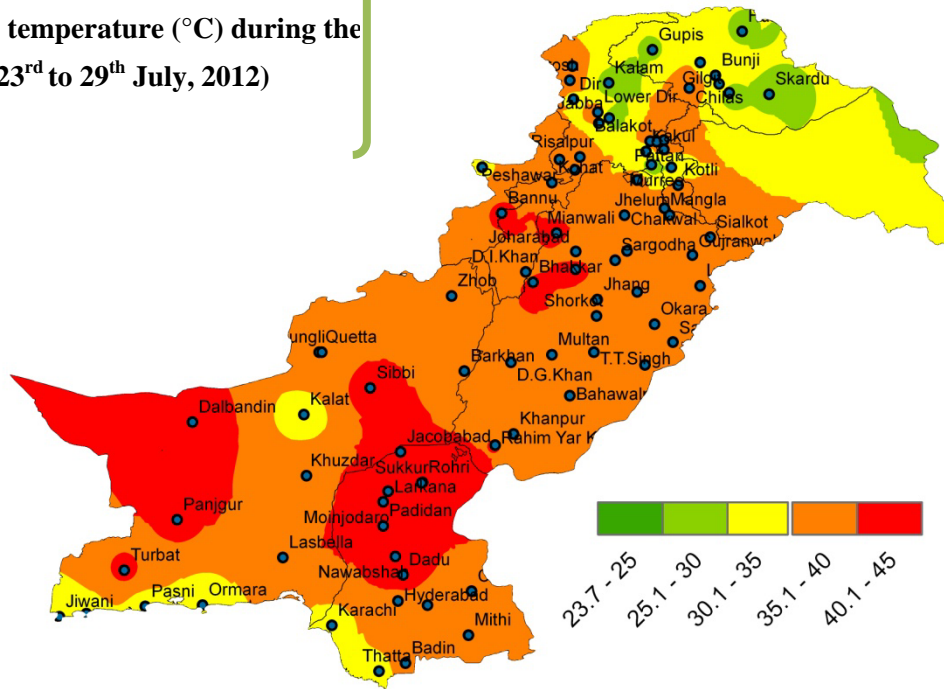
Presently no crop is grown in the fields.

Eastern Balochistan (Usta Muhammad)

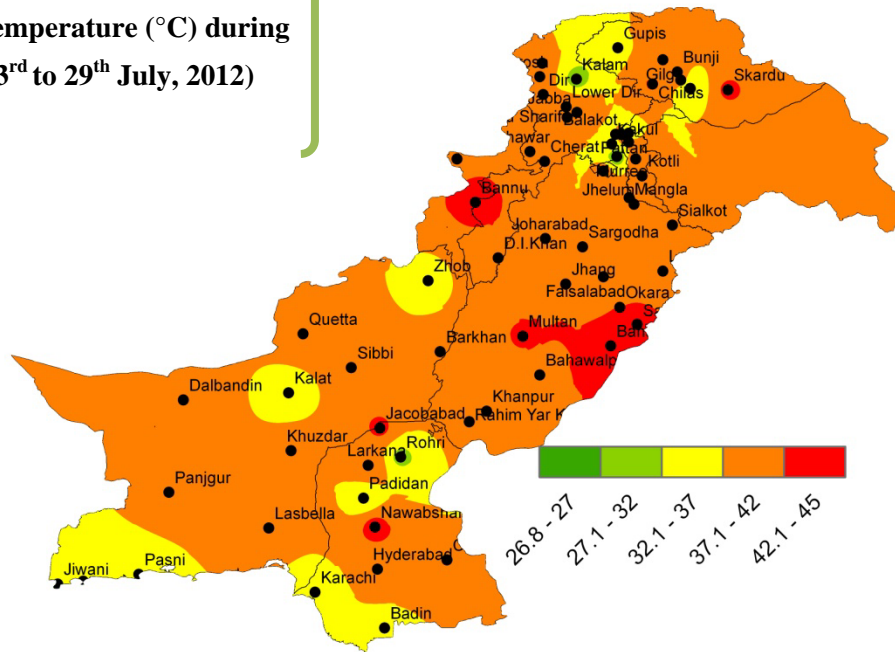
Presently one crop (Irrigated conditions) is grown at the station as detailed below:

Rice: Good condition at Third Leaf stage.

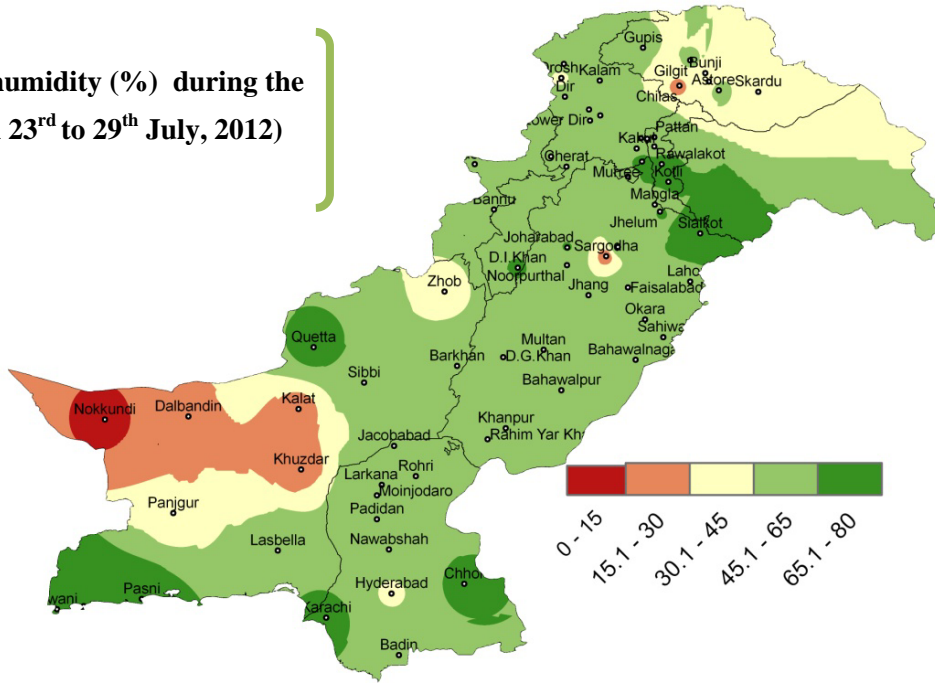
Mean maximum temperature (°C) during the last week (from 23rd to 29th July, 2012)



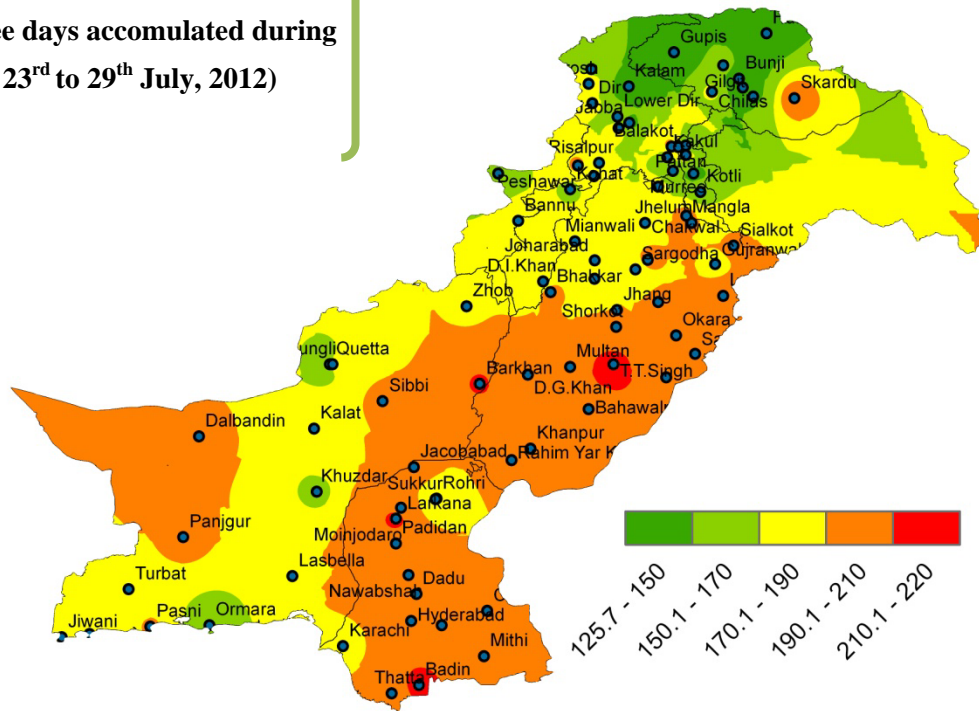
Extreme maximum temperature (°C) during the last week (from 23rd to 29th July, 2012)



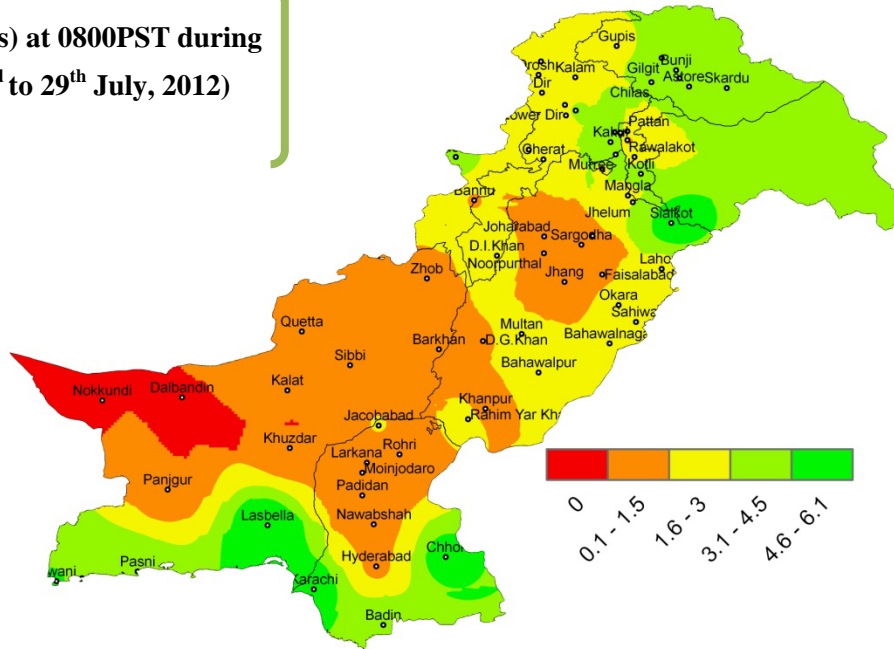
Mean relative humidity (%) during the last week (from 23rd to 29th July, 2012)



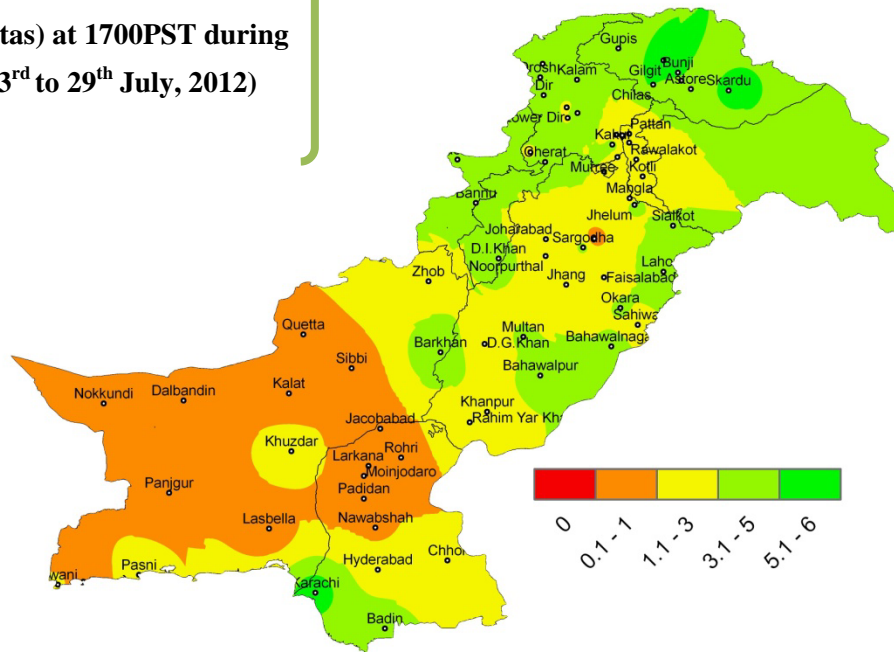
Total growing degree days accumulated during the last week (from 23rd to 29th July, 2012)



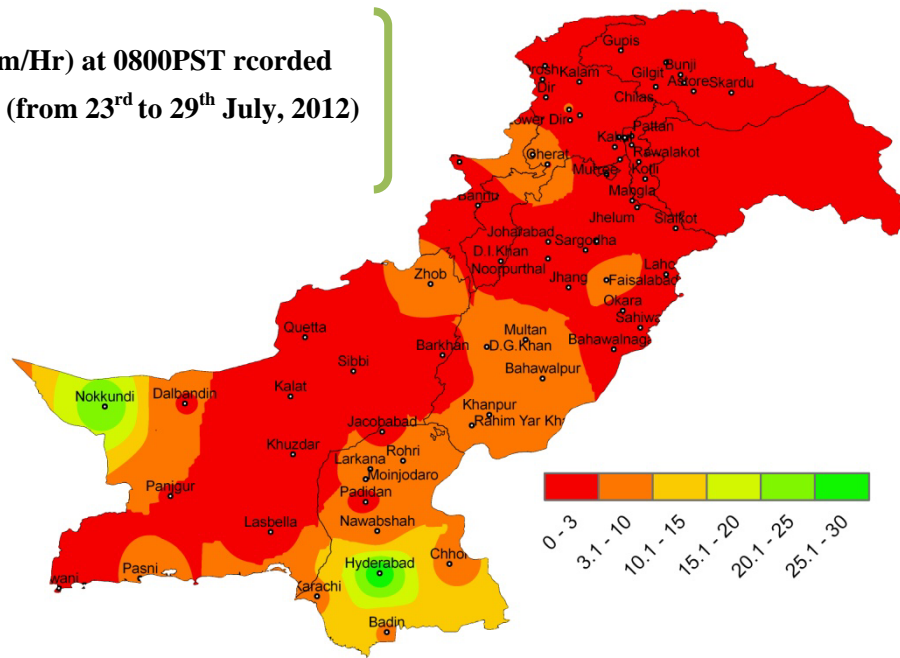
Mean Cloudiness (Oktas) at 0800PST during the last week (from 23rd to 29th July, 2012)



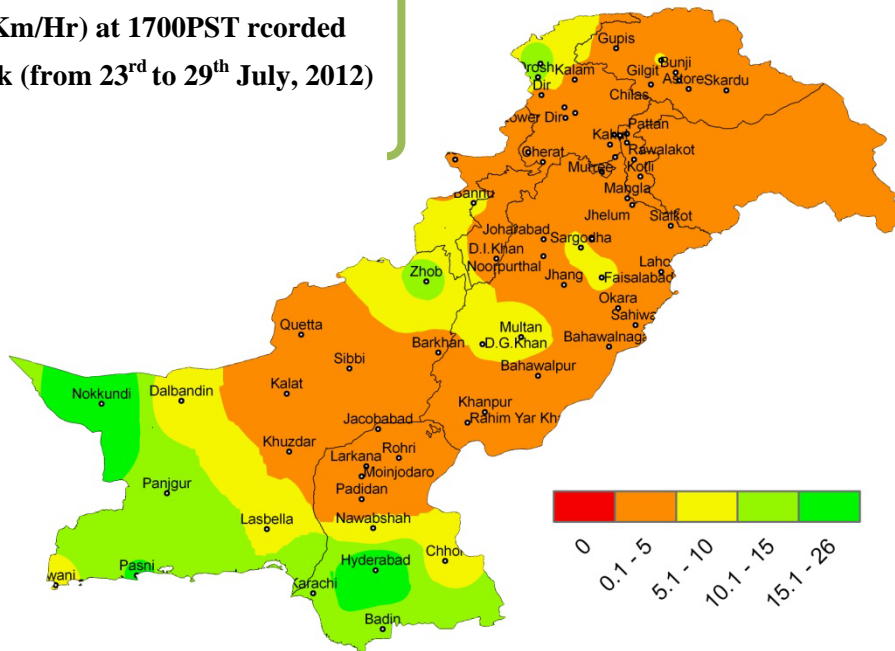
Mean Cloudiness (Oktas) at 1700PST during the last week (from 23rd to 29th July, 2012)



Mean wind speed (Km/Hr) at 0800PST rcorde
during the last week (from 23rd to 29th July, 2012)



Mean wind speed (Km/Hr) at 1700PST rcorde
during the last week (from 23rd to 29th July, 2012)



Weekly Weather advisory for Farmers (from 30th July to 5th August, 2012)

Weak Monsoon currents would likely to penetrate in Northeastern parts of the country and lower Sindh during next 2 to 3 days. A westerly wave is expected to approach northern half of the country during mid week and likely to prevail for 3 days.

Punjab including Islamabad:

Mainly hot & humid weather is expected in most parts of the province during the first half the week. However Rain/Thundershower is expected at isolated places of Northeast Punjab from Monday to Wednesday. Scattered Rain/Thundershower with isolated heavy falls is expected over upper and central parts of the province from Thursday to Saturday.

Khyber Pakhtunkhwa:

Mainly hot & humid weather is expected in most parts of the province during the first half the week. However Rain/Thundershower is expected at isolated places of Hazara divisions from Monday to Wednesday. Scattered Rain/Thundershower is expected over the province from Thursday to Saturday.

Baluchistan:

Mainly hot and dry weather is expected in most parts of the province. However Thundershower is expected at isolated places of Northeast Balochistan (Zhob, Kalat and Sibi divisions) on Friday/Saturday.

Sindh:

Mainly hot and humid weather is expected in most parts of the province. However Rain/Thundershower is expected at scattered places of Southeastern Sindh (Hyderabad and Mirpurkhas divisions) on Tuesday.

Kashmir:

Rain/Thundershower is expected at isolated places of Kashmir from Monday to Wednesday. Scattered Rain/Thundershower with isolated heavy falls is expected from Thursday to Sunday.

Gilgit-Baltistan:

Mainly dry weather is expected in most parts of GB during the first half the week. However Rain with thunderstorm is expected at isolated places of GB from Thursday to Saturday.

Advises for Crops:

Cotton/Sugarcane: Farmers of cotton belt are advised to manage irrigation practices as per prediction of monsoon rains 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, as there is forecast for light to moderate rainfall during the week. Also farmers are advised to keep control on post-harvesting losses due to pests/insects & hot/moist monsoon season.

Precautionary Measures for Animals Care:

Farmers in the lower half of the country especially those in central regions are advised to take up poultry rearing houses to maintain optimum room temperature and take care against the rapid changes in air temperature and relative humidity.

Farmers in the coastal belt of the country are advised to vaccinate the cattle's against black quarter and other diseases.

In central-southern Punjab, upper Sindh and southern Balochistan as the temperature is high, provide sufficient water and rice water (in particular areas) to the animals before leaving them for grazing. Restrict grazing after 11 am and before 4 pm due to chances of sunstroke.

National Weather Data of Selected Cities
(Weekly data from 23rd July to 29th July, 2012)

Stations	Maximum/Day Temperature (°C)		Growing Deg. Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Okta) 0800PST	Cloudiness (Okta) 1700PST	Wind Speed (Knots) 0800PST	Wind Speed (Knots) 1700PST
	Mean	Highest							
ASTORE	13.9	30.5	148.7	48	4.0	3.7	4.1	0.0	1.1
BADIN	27.2	35.5	220.0	***	0.0	4.3	3.9	9.4	11.7
BAHAWALNAGAR	30.9	42.5	204.1	54	0.0	2.1	3.1	1.7	3.7
BAHAWALPUR	29.4	41.5	206.4	53	0.0	2.6	3.1	4.6	2.9
BALAKOT	21.9	36.5	210.3	56	32.0	4.7	2.4	0.3	2.0
BANNU	24.6	43.6	179.5	53	23.0	1.4	3.3	0.6	6.3
BARKHAN	24.2	37.8	211.0	***	***	0.4	4.6	0.0	3.1
BUNJI	21.9	37.8	127.7	42	2.0	3.9	6.0	0.9	0.6
CHERAT	22.2	37.5	172.5	45	3.0	1.9	4.7	2.9	4.6
CHHOR	26.4	37.5	196.6	***	0.0	5.4	1.1	8.6	8.0
CHILLAS	28.1	42.6	175.8	27	TR	3.3	5.3	2.0	2.9
CHITRAL	15.5	39.0	166.4	43	0.0	1.3	3.9	0.0	11.4
D I KHAN	28.5	41.0	166.2	61	0.0	1.4	3.4	4.9	5.1
DALBANDIN	27.1	41.5	202.3	65	0.0	2.6	0.0	0.3	2.9
D G KHAN	21.5	43.5	199.5	25	0.0	0.0	1.1	2.3	6.6
DIR	17.5	37.0	172.5	53	6.0	2.7	4.9	0.3	1.7
DROSH	17.9	39.9	180.0	41	24.0	2.1	5.3	0.0	11.7
FAISALABAD	28.6	39.5	192.8	58	0.0	1.4	1.6	7.1	6.0
GARHIDOPATTA	22.1	38.5	185.5	55	10.0	1.0	1.0	0.0	3.1
GAWDAR	22.6	35.5	175.8	68	0.0	2.6	0.0	0.0	10.0
GILGIT	14.9	40.0	159.5	45	TR	2.7	5.7	0.9	4.9
GUPIS	16.4	35.5	127.9	47	5.0	2.7	3.7	0.9	3.4
HYDERABAD	22.6	39.5	193.3	41	0.0	1.0	2.4	24.6	27.1
ISLAMABAD	25.7	40.0	180.7	59	12.0	2.9	2.9	1.7	0.9
JACOBABAD	25.4	43.0	203.5	54	0.0	1.4	0.4	2.0	4.6
JHANG	28.9	42.0	190.6	57	0.0	0.1	1.3	1.1	2.0
JHELUM	26.9	40.0	189.9	66	35.0	3.0	4.0	1.1	4.0
JIWANI	26.7	32.5	171.8	79	0.0	4.9	1.0	2.0	8.3
JOHARABAD	28.6	40.0	184.0	67	0.0	1.0	1.0	1.4	1.7
KAKUL	20.7	35.0	152.1	57	1.0	3.4	3.4	0.0	1.4
KALAM	15.6	29.0	125.7	56	2.0	2.3	3.4	1.1	2.4
KALAT	13.7	33.0	175.8	21	0.0	0.0	0.0	***	***
KARACHI	27.4	33.5	183.9	72	***	5.7	5.7	9.1	14.3
KHANPUR	28.3	40.3	197.4	63	0.0	0.4	2.9	3.1	1.1
KHUZDAR	24.3	39.5	166.0	24	0.0	0.0	1.7	1.1	4.9
KOTLI	24.7	38.5	155.7	65	67.0	3.4	1.4	0.9	1.3

LAHORE	27.8	38.5	230.3	***	***	2.4	4.7	2.0	1.7
LARKANA	28.0	42.5	202.4	***	0.0	0.0	0.0	4.0	3.7
LASBELLA	23.4	40.0	186.0	60	0.0	6.1	0.0	1.4	9.7
LOWER DIR	24.4	41.0	159.0	43	3.0	1.4	2.7	4.0	4.3
M. B DIN	15.3	26.0	197.4	66	24.0	3.9	4.3	0.0	0.6
MALAMJABA	27.4	40.8	140.5	59	63.0	1.6	0.1	1.1	1.4
MIANGLA	26.4	40.2	198.9	59	***	2.7	1.0	2.3	3.7
MIRKHANI	18.8	38.6	139.1	41	4.0	3.6	4.0	0.0	3.1
MOENJODARO	27.3	43.0	215.3	57	0.0	0.3	0.7	3.4	3.7
MULTAN	30.1	42.2	209.0	55	1.0	1.9	2.7	6.0	8.0
MURREE	17.4	26.6	146.2	72	5.0	3.9	3.1	1.4	1.1
MUZAFFARABAD	23.5	40.0	183.9	58	43.0	4.9	3.0	1.1	0.3
NAWABSHAN	23.8	44.0	207.9	48	0.0	0.7	0.6	5.4	6.3
NOKUNDI	20.1	***	169.4	9	0.0	0.0	0.9	16.6	26.3
NOORPUR THAL	28.8	44.0	195.8	52	0.0	0.7	1.7	1.7	3.1
OKARA	29.9	42.0	205.5	58	0.0	2.1	3.1	0.9	1.1
PADIDAN	27.8	32.0	205.5	73	0.0	0.9	0.7	2.0	19.4
PANJGUR	24.9	40.5	197.8	45	0.0	0.0	0.0	2.7	1.4
PARACHINAR	12.8	41.0	154.0	32	15.0	2.9	3.3	2.1	14.1
PASNI	22.3	34.3	191.8	59	0.0	3.7	1.6	3.7	2.1
PATTAN	17.3	33.0	129.0	62	29.0	0.9	2.3	0.0	15.7
PESHAWAR	24.4	42.0	199.2	***	0.0	1.4	3.4	6.3	0.0
QUETTA	***	42.0	147.8	***	***	***	0.7	***	4.6
R Y KHAN	28.6	37.5	203.0	89	0.0	2.4	2.3	3.7	4.3
RAWALAKOT	17.1	41.7	144.0	62	9.0	2.9	1.9	0.0	1.4
ROHRI	27.9	30.5	205.1	66	0.0	0.0	0.4	3.7	4.6
SAHIWAL	29.8	43.5	193.6	57	0.0	2.0	2.1	0.9	4.0
SAIDUSHARIF	22.9	42.0	186.0	56	8.0	2.3	2.7	0.3	2.0
SARGODHA	0.0	38.5	171.8	22	0.0	0.0	2.4	0.0	1.4
SIALKOT	19.1	41.5	192.3	***	129.0	4.3	2.7	1.4	8.0
SIBBI	23.8	38.7	212.5	57	24.0	0.0	0.0	0.0	1.1
SKARDU	16.1	43.0	153.8	49	0.0	3.0	5.7	0.6	0.6
ZHOB	24.9	35.0	185.25	40	20.0	1.0	2.0	5.0	4.6

***Data not available

TR means rainfall amount not measurable.