

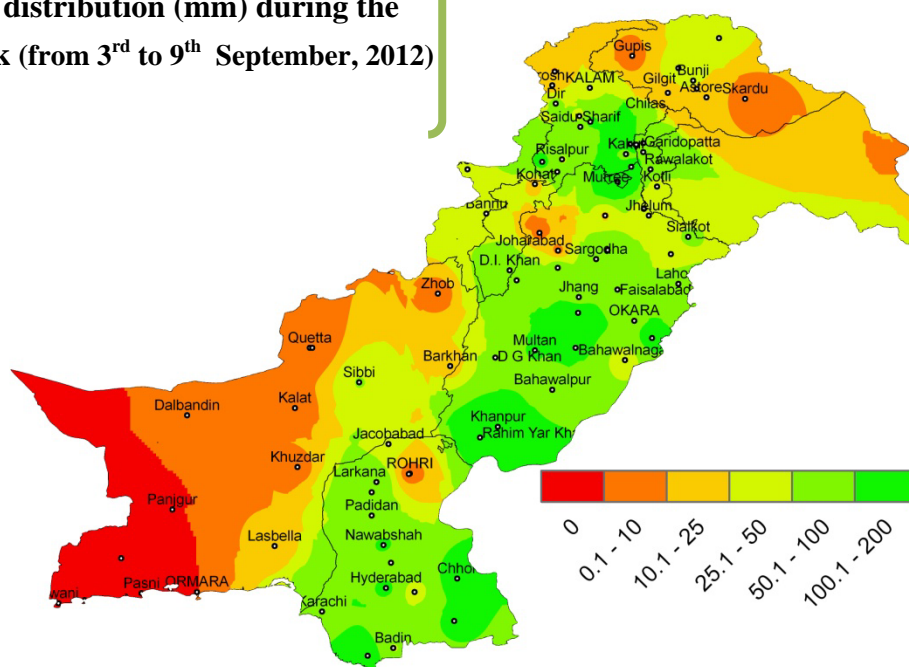
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall distribution (mm) during the
last week (from 3rd to 9th September, 2012)**



Highlights of Past Weather (3rd to 9th September, 2012):

Due to monsoon currents more rains have been produced all over the country especially except western/lower parts of Balochistan. Due to which light to moderate rainfall reported from most of the agricultural plains of Punjab, Khyber Pakhtoonkhwa, Gilgit Baltistan & Kashmir, Sindh & isolated places in north-eastern parts of Balochistan during the week. Flash flooding have also reported from isolated locations in Punjab/KP as well as Sindh.

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Punjab

Light to moderate rainfall reported from most of the agricultural plains in Punjab during the week. Weekly maximum temperature and minimum temperature recorded as 31.8°C & 24.8°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 80 % and wind speed in the morning/evening recorded as 2.3/3.5 Knots. During the previous week the highest rainfall recorded at Islamabad as 195.0 mm and the extreme maximum temperature recorded at Rahim Yar Khan as 41.8°C.

Sindh

Light to moderate rainfall reported from most of the agricultural plains in Sindh during the week. Weekly maximum temperature and minimum temperature recorded as 34.3°C & 25.6 °C respectively. For the present season on average 176.1 growing degree days accumulated by the end of last week. Average relative humidity recorded as 78 % and wind speed in the morning/evening recorded as 3.1/5.3 Knots. During the previous week the highest rainfall recorded at Thatta as 135.0 mm and extreme maximum temperature recorded at Sakkur as 42.5°C.

Khyber Pakhtoon Khawa (KP)

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 28.3°C & 18.9°C respectively. For the present season on average 124.2 growing degree days accumulated by the end of last week. Average relative humidity recorded as 75 % and wind speed in the morning/evening recorded as 1.4/2.9 Knots. During the previous week the highest rainfall recorded at Balakot as 197.0 mm and the extreme maximum temperature recorded at D. I. Khan as 38.0°C.

Balochistan

Light to moderate rainfall reported from scattered places in the province except some western locations. Weekly maximum temperature and minimum temperature recorded as 34.0°C & 21.8 °C respectively. For the present season on average 149.3 growing degree days accumulated by the end of last week. Average relative humidity recorded as 53 % and wind speed in the morning/evening recorded as 2.4/6.6 Knots. During the previous week the highest rainfall recorded at Usta Muhammad as 70.6 mm and the extreme maximum temperature recorded at Turbat as 45.0°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 25.8°C & 17.8°C respectively. For the present season on average 117.6 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 0.8/1.4 Knots. During the previous week the highest rainfall recorded at Garhi Dopatta as 93.0 mm and the extreme maximum temperature recorded at Chillas as 37.5°C.

Past Weather for Major Agricultural Plains (from 3rd to 9th September, 2012)

Rawalpindi (Potohar region)

Rainfall reported as 163.0 mm during the last week, cloudiness recorded in the morning/evening as 6.7/6.7 oktas and average relative humidity 82%. Mean day temperature recorded as 30.4°C & for the present season 151.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.2/1.7 Km/h.

Tandojam (Lower Sindh)

Rainfall reported as 132.4 mm during the last week, cloudiness recorded in the morning/evening as 4.7/5.4 oktas and average relative humidity 82%. Mean day temperature recorded as 33.8°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 7.6/4.3 Km/h.

Faisalabad (Central Punjab)

Rainfall reported as 78.2 mm during the last week, cloudiness recorded in the morning/evening as 5.1/6.3 oktas and average relative humidity 81%. Mean day temperature recorded as 32.1°C & for the present season 167.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.6/2.0 Km/h.

Quetta (Northern Balochistan)

Rainfall reported as 5.0 mm during the last week, cloudiness recorded in the morning/evening as 4/5.6 oktas and average relative humidity 50%. Mean day temperature recorded as 29.9°C & for the present season 128.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 6/7.1 Km/h.

Usta Muhammad (Eastern Balochistan)

Rainfall reported as 70.6 mm during the last week, cloudiness recorded in the morning/evening as 3.3/2.8 oktas and average relative humidity 66%. Mean day temperature recorded as 35.9°C & for the present season 184.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.2/4.8 Km/h.

Past Weather for sub regional Agri-cultural Plains (from 3rd to 9th September, 2012)

Sakkur

Rainfall reported as 6.0 mm during the last week, cloudiness recorded in the morning/evening as 5.7/6.0 oktas and average relative humidity 64%. Mean day temperature recorded as 35.9°C & for the present season 187.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.7/3.5 Knots.

Skardu

Rainfall reported as 1.4 mm during the last week, cloudiness recorded in the morning/evening as 5.2/7.2 oktas and average relative humidity 66%. Mean day temperature recorded as 25.6°C & for the present season 104.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/1.8 Knots.

Multan

Rainfall reported as 105.0 mm during the last week, cloudiness recorded in the morning/evening as 5.2/6.4 oktas and average relative humidity 79%. Mean day temperature recorded as 33.7°C & for the present season 176.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.7/8.8 Knots.

Lahore

Rainfall reported as 60.1 mm during the last week, cloudiness recorded in the morning/evening as 6.5/7.0 oktas and average relative humidity 83%. Mean day temperature recorded as 31.8°C & for the present season 165.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.0/2.0 Knots.

Saidu Sharif

Rainfall reported as 62.0 mm during the last week, cloudiness recorded in the morning/evening as 5.2/6.0 oktas and average relative humidity 77%. Mean day temperature recorded as 29.3°C & for the present season 136.4 growing degree days

accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.0/0.4 Knots.

Gilgit.

Rainfall reported as 33.2 mm during the last week, cloudiness recorded in the morning/evening as 6.5/7.4 oktas and average relative humidity 78%. Mean day temperature recorded as 26.1°C & for the present season 116.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as Calm (no wind).

Jhelum

Rainfall reported as 32.2 mm during the last week, cloudiness recorded in the morning/evening as 5.8/6.2 oktas and average relative humidity 86%. Mean day temperature recorded as 31.1°C & for the present season 159.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/0.8 Knots.

D.I. Khan

Rainfall reported as 79.1 mm during the last week, cloudiness recorded in the morning/evening as 5.2/6.4 oktas and average relative humidity 82%. Mean day temperature recorded as 31.1°C & for the present season 156.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.6/2.8 Knots.

Peshawar

Rainfall reported as 99.2 mm during the last week, cloudiness recorded in the morning/evening as 6.0/6.0 oktas and average relative humidity 76%. Mean day temperature recorded as 30.5°C & for the present season 151.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.0/2.0 Knots.

Murree

Rainfall reported as 152.0 mm during the last week, cloudiness recorded in the morning/evening as 6.8/7.8 oktas and average relative humidity 87%. Mean day temperature recorded as 19.9°C & for the present season 89.1 growing degree days accumulated by the

end of last week. Wind speed recorded in the morning/evening as 0.7/1.6 Knots.

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

Potohar Region (Rawalpindi)

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

Maize: Good condition at Ninth Leaf stage.

Central Punjab (Faisalabad)

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

Sugarcane: Good condition, Tillering stage completed.

Cotton: Very Good condition, Flowering stage completed.

Lower Sindh (Tandojam)

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

Cotton (BT-886): Damaged due to heavy rainfall.

Northern Balochistan (Quetta)

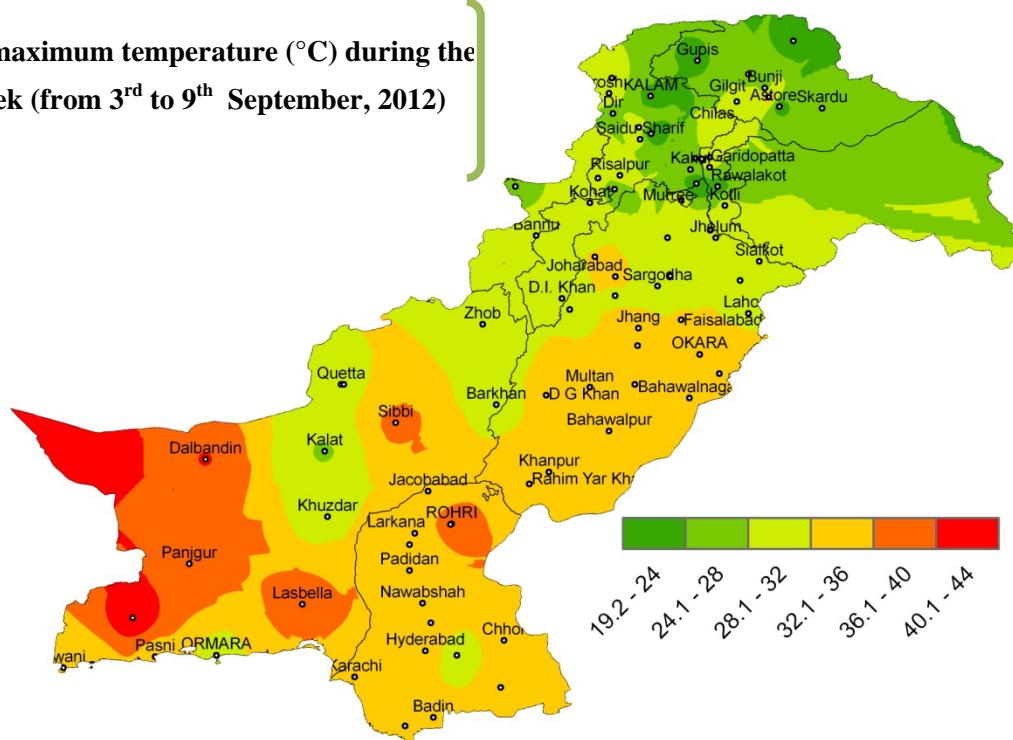
Presently no crop is grown in the fields.

Eastern Balochistan (Usta Muhammad)

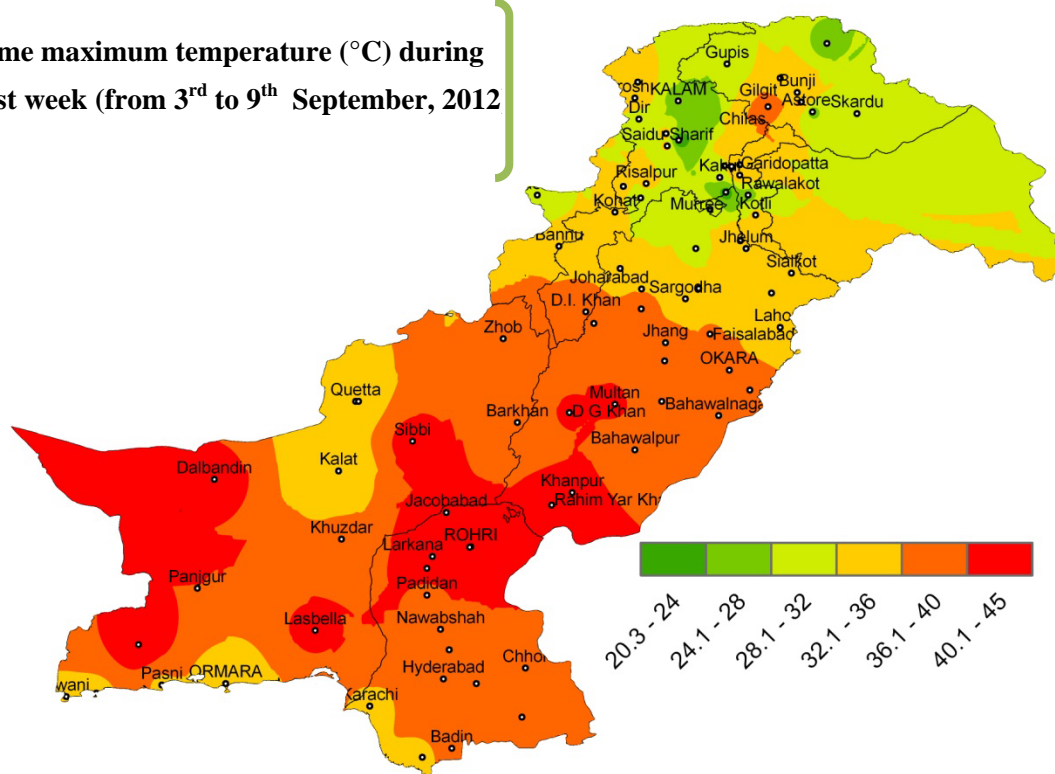
Presently one crop (Irrigated conditions) is grown at the station as detailed below;

Rice: Good condition at Shooting stage.

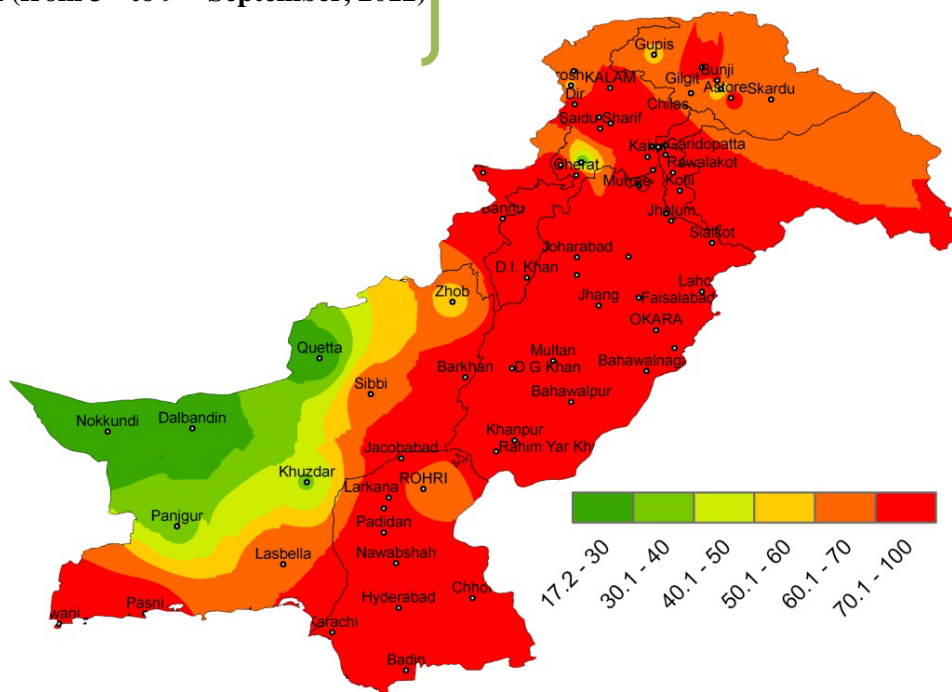
Mean maximum temperature (°C) during the last week (from 3rd to 9th September, 2012)



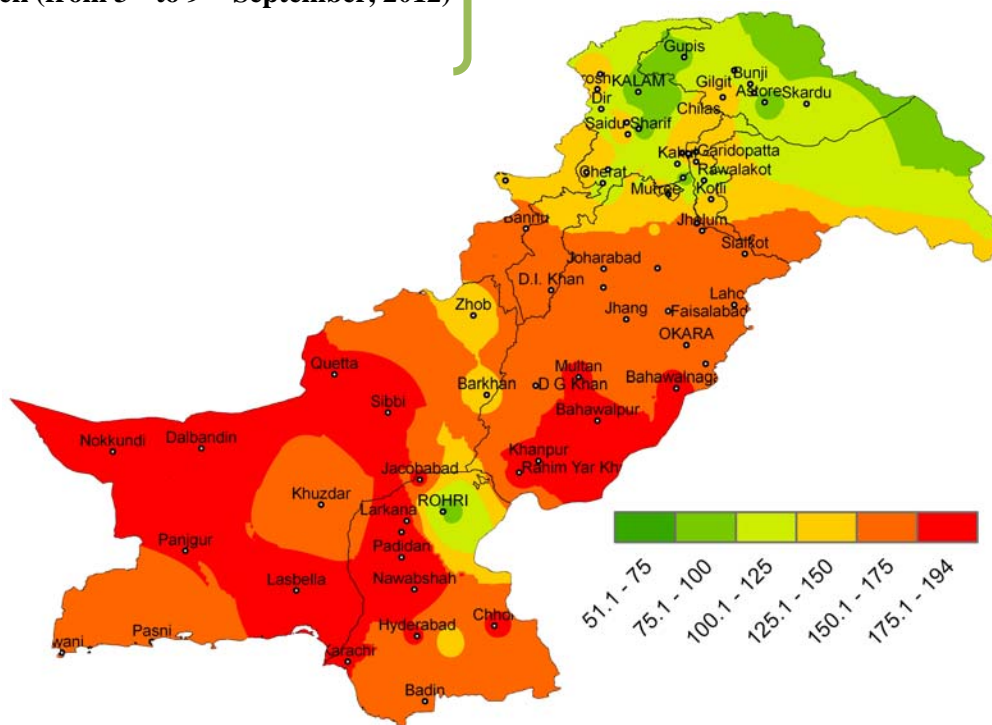
Extreme maximum temperature (°C) during the last week (from 3rd to 9th September, 2012



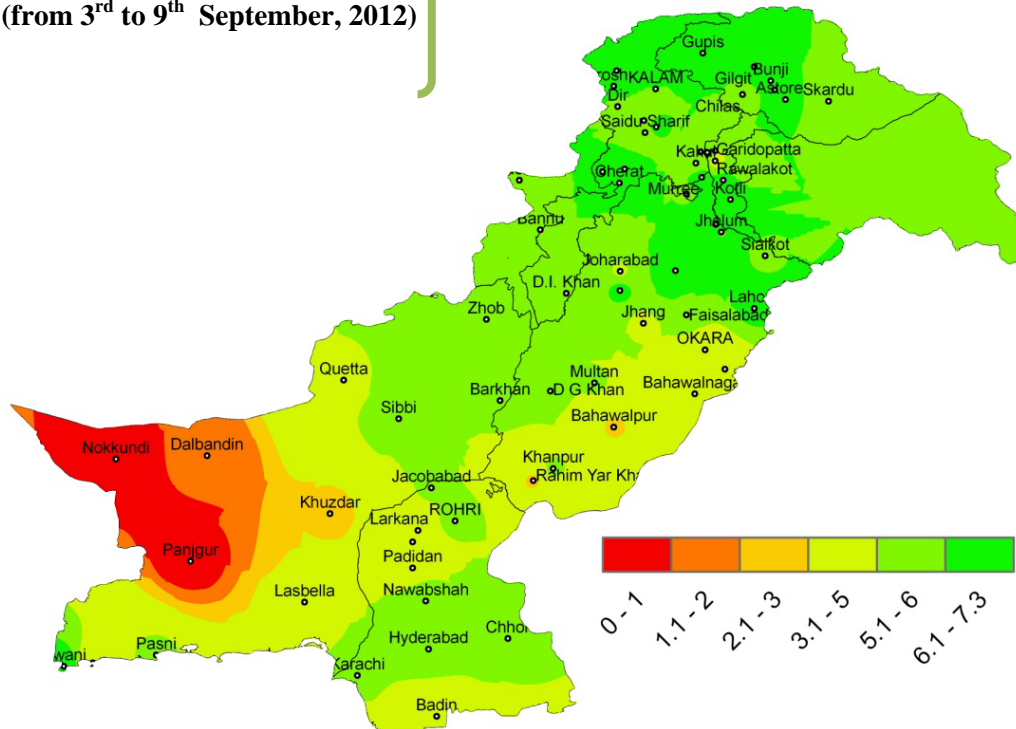
Mean relative humidity (%) during the last week (from 3rd to 9th September, 2012)



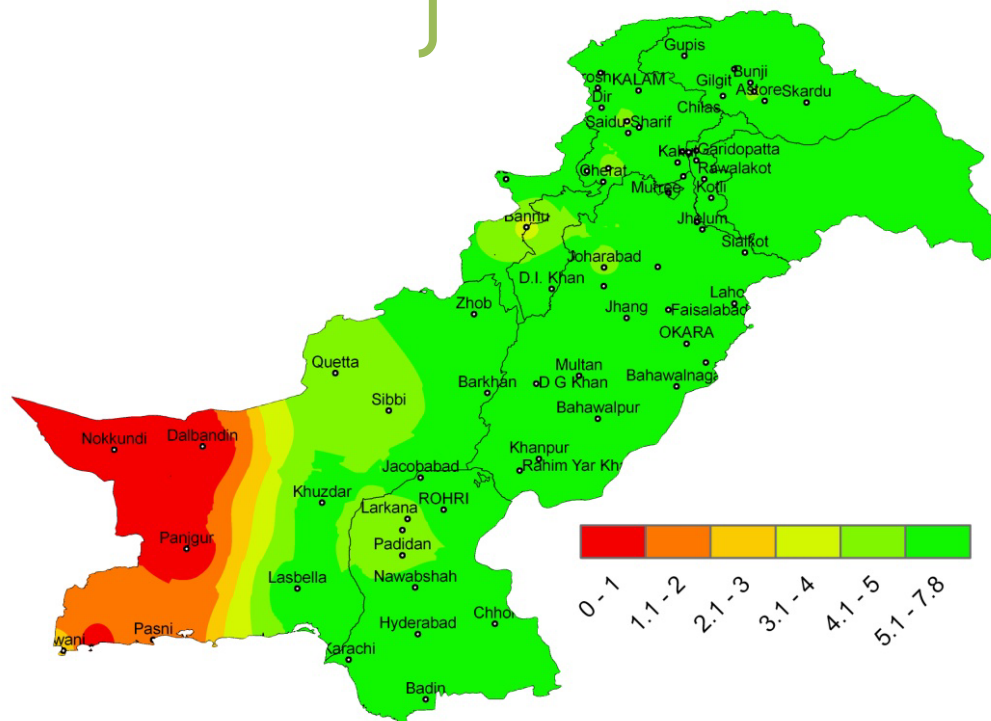
Total growing degree days accumulated during the last week (from 3rd to 9th September, 2012)



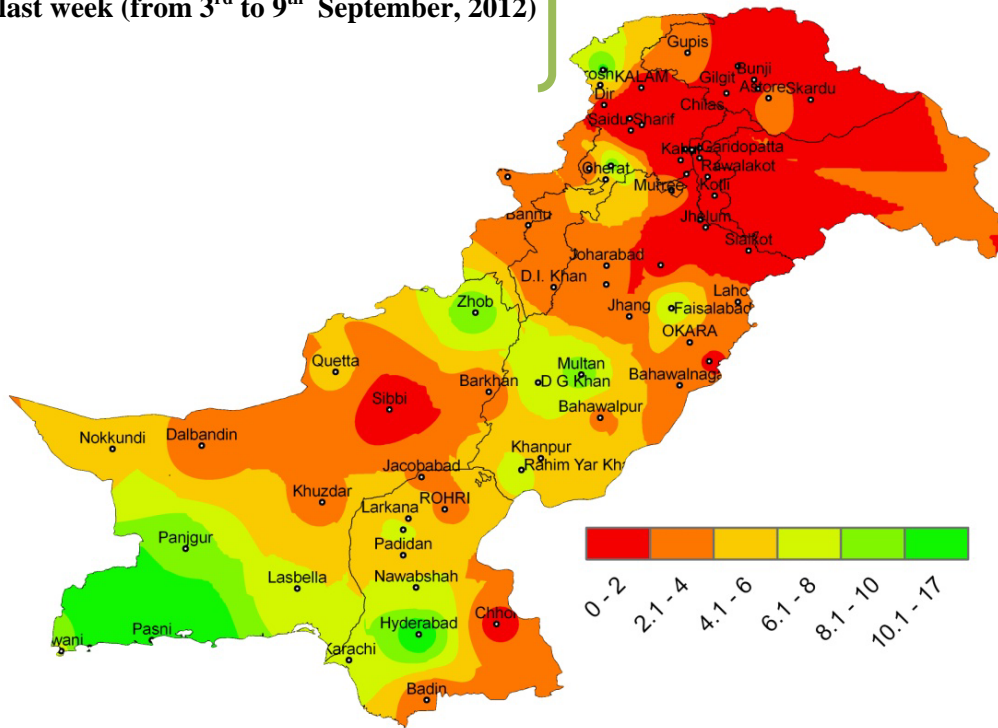
**Mean Cloudiness (Oktas) at 0800PST during
the last week (from 3rd to 9th September, 2012)**



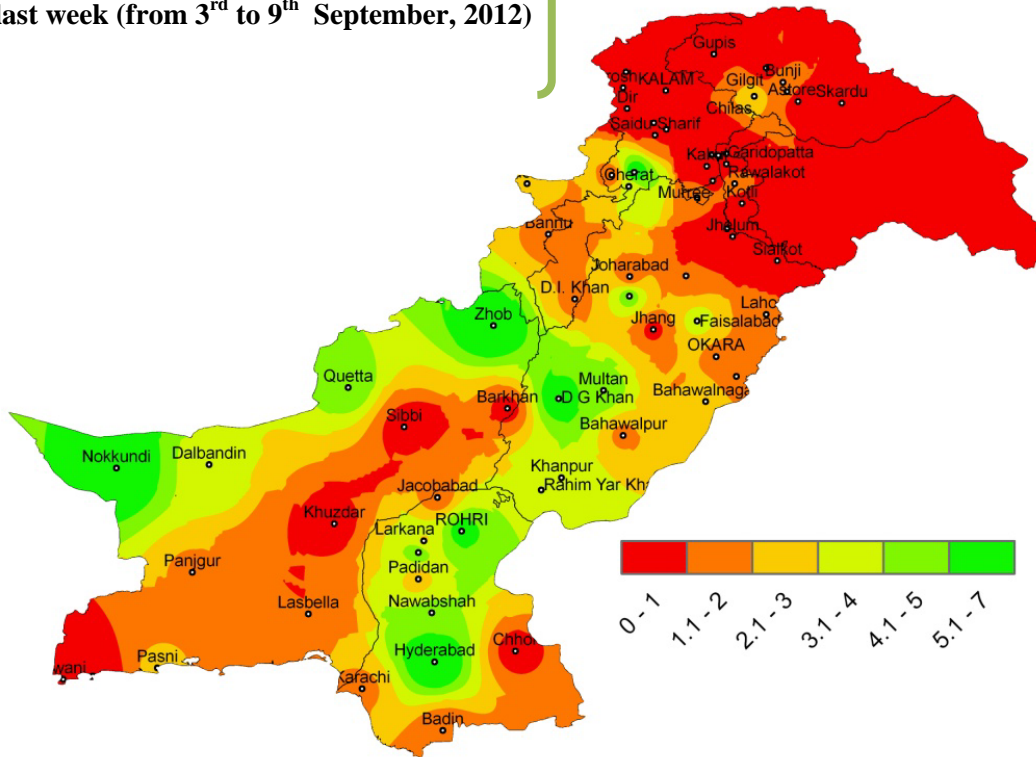
**Mean Cloudiness (Oktas) at 1700PST during
the last week (from 3rd to 9th September, 2012)**



Mean wind speed (Km/Hr) at 0800PST rcorde
during the last week (from 3rd to 9th September, 2012)



Mean wind speed (Km/Hr) at 1700PST rcorde
during the last week (from 3rd to 9th September, 2012)



Weekly Weather advisory for Farmers (from 10th to 16th September, 2012)

Yesterday's well-marked Low Pressure Area now lies over Sindh as a low pressure area and it is likely to start weakening on Tuesday. Under the influence of this weather system strong monsoon currents would continue to penetrate in central & southern parts of Pakistan, particularly in Sindh. Westerly wave is affecting northern parts of the country. Another westerly wave is likely to approach from Friday/Saturday over upper parts of the country. More Light to Moderate monsoon currents likely to penetrate in upper parts of the country during second half of the week.

Punjab including Islamabad:

Scattered rain-thundershower with isolated heavy falls is expected over Punjab on Monday. Isolated rain/thundershower is expected over Punjab on Tuesday. Scattered Rain-Thundershower is expected over Upper Punjab including Islamabad during second half of the week.

Khyber Pakhtunkhwa:

Isolated rain-thundershower is expected in Hazara division on Monday/Tuesday. Scattered rain/thundershower is expected over Upper KP during second half of the week.

Baluchistan:

Widespread rain-thundershower with scattered heavy falls is expected over Eastern Balochistan on Monday, scattered rain-thundershower on Tuesday/Wednesday, Isolated rain-thundershower on Thursday/Friday. Dry weather is expected in most parts of the province on Saturday/Sunday.

Sindh:

Widespread rain-thundershower with scattered heavy falls is expected over Sindh on Monday. Scattered rain-thundershower with isolated heavy falls on Tuesday. Scattered rain-thundershower is expected in Lower Sindh from Wednesday to Friday, while isolated rain-thundershower in Upper

Sindh from Wednesday to Friday. Dry weather is expected in most parts of the province on Saturday/Sunday.

Kashmir:

Isolated Rain-Thundershower is expected over Kashmir during first half of the week. Scattered Rain-Thundershower is expected during second half of the week.

Gilgit-Baltistan:

Mainly dry weather is expected during first half of the week. Isolated rain is expected during second half of the week.

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.

National Weather Data of Selected Cities
(Weekly data from 3rd September to 09th September, 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	21.4	26.5	88.7	76	15.2	6.4	6.8	0.0	3.2
Badin	33.4	37.0	174.8	77	48.0	3.3	5.6	1.0	2.4
Bahawalnagar	34.0	37.5	178.5	80	26.0	4.3	6.2	2.7	3.2
Bahawalpur	34.1	38.5	176.8	79	66.0	2.8	6.0	1.7	3.6
Balakot	26.8	31.2	130.5	85	197.0	5.3	7.0	0.0	0.4
Bannu	31.4	34.6	154.3	77	33.1	6.0	3.8	1.3	2.0
Barkhan	30.3	36.0	143.3	76	15.0	5.5	6.5	0.5	2.3
Bunji	26.4	34.4	126.2	74	40.1	6.2	7.6	1.7	0.0
Cherat	24.4	27.5	108.3	89	54.0	6.0	5.6	3.0	5.2
Chhor	34.3	38.2	177.1	83	123.0	5.6	5.8	0.4	1.3
Chilas	29.0	37.5	142.1	67	16.0	5.7	6.6	2.7	1.6
Chitral	29.5	34.0	132.0	62	9.0	7.2	5.8	0.7	10.8
D.G.Khan	33.0	40.4	171.6	84	51.1	5.3	5.2	6.0	8.0
D.I.Khan	31.1	38.0	156.1	82	79.1	5.2	6.4	1.6	2.8
Dalbandin	40.1	41.5	194.0	24	0.0	1.5	0.7	3.5	2.7
Dir	26.3	29.0	116.9	75	58.0	5.7	6.2	0.0	0.8
Drosh	29.8	33.7	129.3	58	13.0	6.5	7.0	0.0	4.8
Faisalabad	32.4	36.5	167.4	82	61.0	5.8	5.3	3.7	8.0
Garidopatta	28.1	35.0	132.5	79	93.0	4.3	6.4	0.7	0.4
Gawader	33.6	35.0	167.5	76	0.0	3.6	0.3	0.0	11.7
Gilgit	26.1	33.5	116.8	78	33.2	6.5	7.4	0.0	0.0
Gupis	23.4	28.0	97.8	59	4.0	6.7	5.6	0.7	3.6
Hyderabad	34.8	38.5	177.4	105	107.0	5.8	6.2	7.0	11.7
Islamabad	29.9	31.5	146.8	81	195.0	5.8	6.2	1.7	3.6
Jacobabad	34.5	40.0	182.0	77	33.1	5.3	5.8	1.0	3.6
Jhang	32.8	37.5	**	81	70.0	4.7	6.0	0.7	2.0
Jhelum	31.1	35.5	159.5	86	32.2	5.8	6.2	0.0	0.8
Jiwani	33.1	35.5	***	73	0.0	7.3	2.6	0.7	7.6
Joharabad	32.7	36.0	169.3	75	5.0	4.8	4.3	1.2	2.5
Kakul	24.9	28.5	115.4	88	64.0	5.2	5.6	0.7	0.4
Kalam	22.5	25.4	74.1	79	34.0	6.0	6.4	0.0	0.4
Karachi	33.9	35.5	**	71	89.0	5.2	5.8	1.6	7.3
Khanpur	34.1	40.1	178.1	75	183.0	5.3	6.5	4.0	4.0
Khuzdar	30.6	36.5	153.0	39	4.0	2.7	5.2	0.3	3.3
Kotli	29.2	32.8	145.6	80	37.0	6.0	6.0	0.5	1.0
Lahore	31.8	34.3	165.0	82	60.1	6.5	7.0	1.0	2.0
Larkana	34.8	41.5	181.5	74	100.0	4.0	4.3	2.8	4.7
Lasbella	37.8	41.0	186.8	70	16.0	4.2	5.3	1.0	6.3
Multan	33.7	40.3	176.4	79	105.0	5.2	6.4	4.7	8.8
Munree	19.9	22.0	89.1	87	152.0	6.8	7.8	0.7	1.6

Muzaffarabad	27.8	33.5	140.0	84	78.2	6.7	6.2	0.0	0.0
Nawabshah	35.6	40.0	185.6	77	104.1	6.0	6.0	4.4	6.2
Okara	33.5	36.0	174.9	80	98.0	4.0	6.6	1.7	3.6
Paidan	35.0	39.0	179.8	80	68.0	4.6	4.5	2.4	4.3
Panjgur	39.2	40.0	***	37	0.0	0.0	0.5	1.7	9.0
Parachinar	24.9	28.1	***	73	45.0	5.3	6.0	2.8	3.0
Pasni	34.1	35.5	162.5	78	0.0	5.3	2.0	2.3	17.0
Peshawar	30.8	33.5	151.6	76	123.1	6.0	6.0	1.0	2.0
Quetta	30.2	33.0	***	22	0.0	4.8	4.8	5.0	4.4
Rahim Yar Khan	34.9	41.8	180.7	71	117.0	2.8	5.4	3.6	7.2
Rawalakot	22.2	27.0	100.8	87	56.0	6.4	7.0	1.6	0.0
Risalpur	30.3	33.0	***	29	47.1	6.8	4.3	6.5	9.3
Rohri	36.9	42.0	***	64	3.1	5.7	6.0	5.7	3.5
Saidu Sharif	29.3	33.0	136.4	77	62.0	5.2	6.0	1.0	0.4
Sialkot	31.7	34.8	159.1	82	52.0	5.8	6.8	1.0	1.6
Sibbi	37.1	42.5	190.5	69	51.0	5.6	4.3	0.4	0.3
Skardu	25.6	30.9	104.1	66	1.4	5.2	7.2	0.5	1.8
Zhob	29.5	36.0	146.0	57	3.0	6.0	5.3	6.8	9.0

***Data not available