

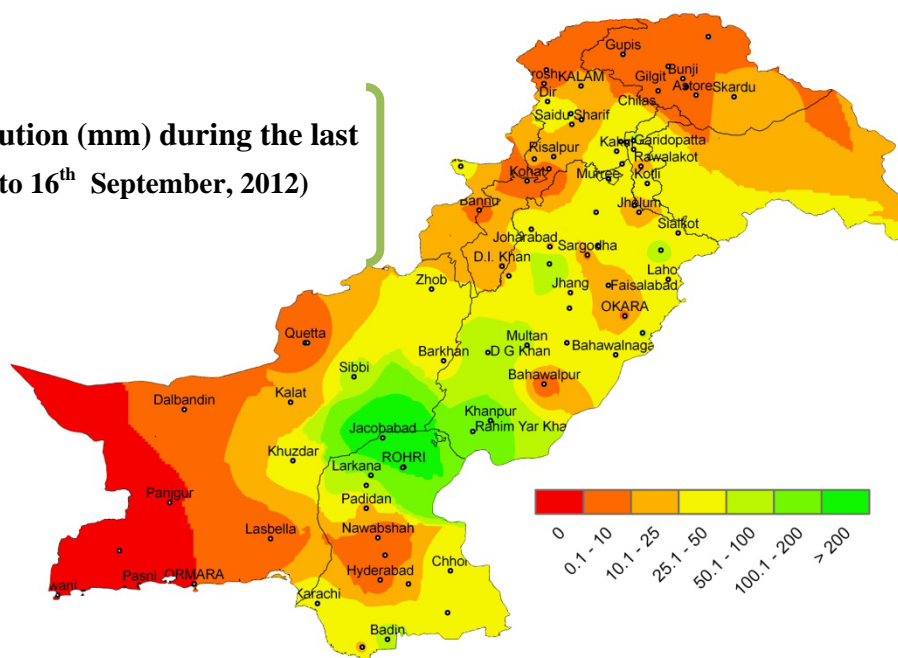
Weekly Weather and Crop Bulletin for Pakistan

**NATIONAL AGROMET CENTRE
PAKISTAN METEOROLOGICAL DEPARTMENT
SECTOR H-8/2, ISLAMABAD**

Phone: +92-51-9250592

email: dirnamc@yahoo.com

Rainfall distribution (mm) during the last week (from 10th to 16th September, 2012)



Contents

Highlights of past weather (General)	1-2
Past weather for Agri Plains	3-4
Crop progress	4
Max Temperature maps	5
R. H & GDD	6
Cloudiness maps	7
Wind speed maps	8
Farmers advisory	9
National data for selected stations	10-11

Highlights of Past Weather (10th to 16th Sep, 2012):

Due to summer monsoon more rains have been produced all over the country especially in the north-eastern and south-eastern regions. Due to which moderate to heavy rainfall reported from scattered places of Punjab, Kashmir and Sindh where as light to moderate rainfall from all over the country during the week. Flash flooding have also reported from isolated locations in Punjab as well as upper Sindh.

Chief Editor: Dr. Khalid Mehmood Malik (Director, NAMC)

Editor: Dildar Hussain Kazmi (Meteorologist)

Punjab

Light to moderate rainfall reported from most of the agricultural plains in Punjab during the week however heavy showers with flash flooding also reported from few locations. Weekly maximum temperature and minimum temperature recorded as 34.1°C & 24.9°C respectively. For the present season on average 171.2 growing degree days accumulated by the end of last week. Average relative humidity recorded as 79 % and wind speed in the morning/evening recorded as 1.2/3.2 Knots. During the previous week highest rainfall recorded at Rahim Yar Khan as 128 mm and the extreme maximum temperature recorded at Bhakkar as 39.0°C.

Sindh

Light to moderate rainfall reported from most of the agricultural plains in Sindh during the week however heavy showers with flash flooding also reported from isolated locations in the upper parts. Weekly maximum temperature and minimum temperature recorded as 32.6°C & 24.9°C respectively. For the present season on average 170.3 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 3.7/4.6 Knots. During the previous week the highest rainfall recorded at Jacobabad as 448.0 mm and extreme maximum temperature recorded at Nawabshah as 38.0°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 30.3°C & 19.1°C respectively. For the present season on average 136.2 growing degree days accumulated by the end of last week. Average relative humidity recorded as 69 % and wind speed in the morning/evening recorded as 2.3/3.5 Knots. During the previous week the highest rainfall recorded at Balakot/Kakul as 37.0 mm and the

extreme maximum temperature recorded at D. I. Khan as 37.5°C.

Balochistan

Light to moderate rainfall reported from scattered places in the province except some western locations as per available data. *Heavy showers occurred at few places on eastern side and water is still standing there making it difficult to observe data.* Weekly maximum temperature and minimum temperature recorded as 33.2°C & 21.6 °C respectively. For the present season on average 162.2 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 2.3/7.6 Knots. During the previous week as per available of data the highest rainfall recorded at Sibbi as 61.0 mm and the extreme maximum temperature recorded at Turbat as 43.5°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 29.4°C & 17.4°C respectively. For the present season on average 128.8 growing degree days accumulated by the end of last week. Average relative humidity recorded as 65 % and wind speed in the morning/evening recorded as 0.1/1.6 Knots. During the previous week the highest rainfall recorded at Muzaffarabad as 46.0 mm and the extreme maximum temperature recorded at Garhi Dopatta as 37.0°C.

Past Weather for Major Agricultural Plains

(from 10th to 16th September, 2012)

Rawalpindi (Potohar region)

Rainfall reported as 27.0 mm during the last week, cloudiness recorded in the morning/evening as 4.1/4.8 oktas and average relative humidity 81%. Mean day temperature recorded as 32.7°C & for the present season 160.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.1 Km/h.

Tandojam (Lower Sindh)

Rainfall reported as 1.0 mm during the last week, cloudiness recorded in the morning/evening as 6.1/4.6 oktas and average relative humidity 77%. Mean day temperature recorded as 33.0°C & for the present season 169.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 6.7/6.8 Km/h.

Faisalabad (Central Punjab)

Rainfall reported as 60.7 mm during the last week, cloudiness recorded in the morning/evening as 3.0/5.0 oktas and average relative humidity 71%. Mean day temperature recorded as 34.9°C & for the present season 178.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/1.7 Km/h.

Quetta (Northern Balochistan)

Rainfall reported as 6.4 mm during the last week, cloudiness recorded in the morning/evening as 2.9/2.3 oktas and average relative humidity 41%. Mean day temperature recorded as 29.5°C & for the present season 118.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.6/6.1 Km/h.

Usta Muhammad (Eastern Balochistan)

Due to heavy showers and standing water in the area data couldn't been observed.

Past Weather for sub regional Agri-cultural Plains (from 10th to 16th September, 2012)

Rohri

Rainfall reported as 206.0 mm during the last week, cloudiness recorded in the morning/evening as 4/3.4 oktas and average relative humidity 76%. Mean day temperature recorded as 33.9°C & for the present season 174.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.3/1.7 Knots.

Skardu

Rainfall reported as 16.1 mm during the last week, cloudiness recorded in the morning/evening as 3.2/6.0 oktas and average relative humidity 64%. Mean day temperature recorded as 24.4°C & for the present season 97.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/2.2 Knots.

Multan

Rainfall reported as 51.1 mm during the last week, cloudiness recorded in the morning/evening as 5.0/3.9 oktas and average relative humidity 80%. Mean day temperature recorded as 34.6°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 3.6/7.7 Knots.

Lahore

Rainfall reported as 17.1 mm during the last week, cloudiness recorded in the morning/evening as 3.8/4.7 oktas and average relative humidity 75%. Mean day temperature recorded as 34.5°C & for the present season 174.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/2.7 Knots.

Saidu Sharif

Rainfall reported as 24.0 mm during the last week, cloudiness recorded in the morning/evening as 4.5/3.3 oktas and average relative humidity 76%. Mean day temperature recorded as 30.8°C & for the present season 142.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/0.3 Knots.

Gilgit.

Rainfall reported as 1.2 mm during the last week, cloudiness recorded in the morning/evening as 4.4/5.7 oktas and average relative humidity 70%. Mean day temperature recorded as 30.4°C & for the present season 130.8 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 16.0 mm during the last week, cloudiness recorded in the morning/evening as 4/5 oktas and average relative humidity 81%. Mean day temperature recorded as 34.2°C & for the present season 167.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/0.7 Knots.

D.I. Khan

Rainfall reported as 8.1 mm during the last week, cloudiness recorded in the morning/evening as 3.7/3.8 oktas and average relative humidity 76%. Mean day temperature recorded as 34.7°C & for the present season 174.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.3/1.3 Knots.

Peshawar

Rainfall reported as 12.1 mm during the last week, cloudiness recorded in the morning/evening as 6/7.3 oktas and average relative humidity 83%. Mean day temperature recorded as 33.2°C & for the present season 167.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.6/3.3 Knots.

Murree

Rainfall reported as 33.0 mm during the last week, cloudiness recorded in the morning/evening as 4.3/7.2 oktas and average relative humidity 84%. Mean day temperature recorded as 22.8°C & for the present season 98.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/0.3 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 Tesling 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): Good condition, picking discontinued due to rainfall.

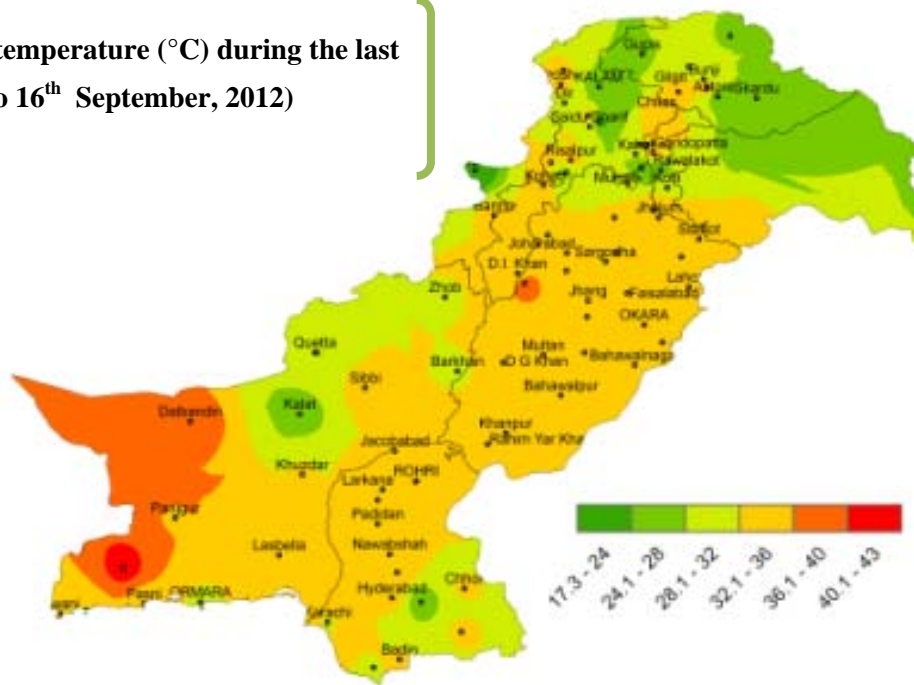
Northern Balochistan (Quetta)

Presently no crop is grown in the fields.

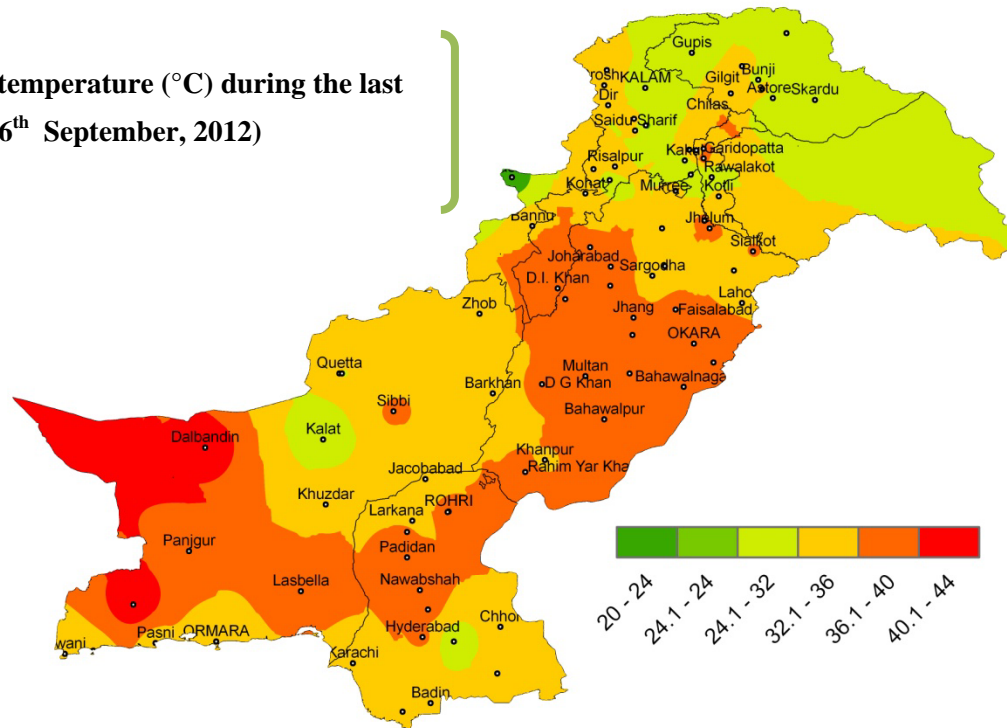
Eastern Balochistan (Usta Muhammad)

Due to heavy showers and standing water in the area data couldn't been observed.

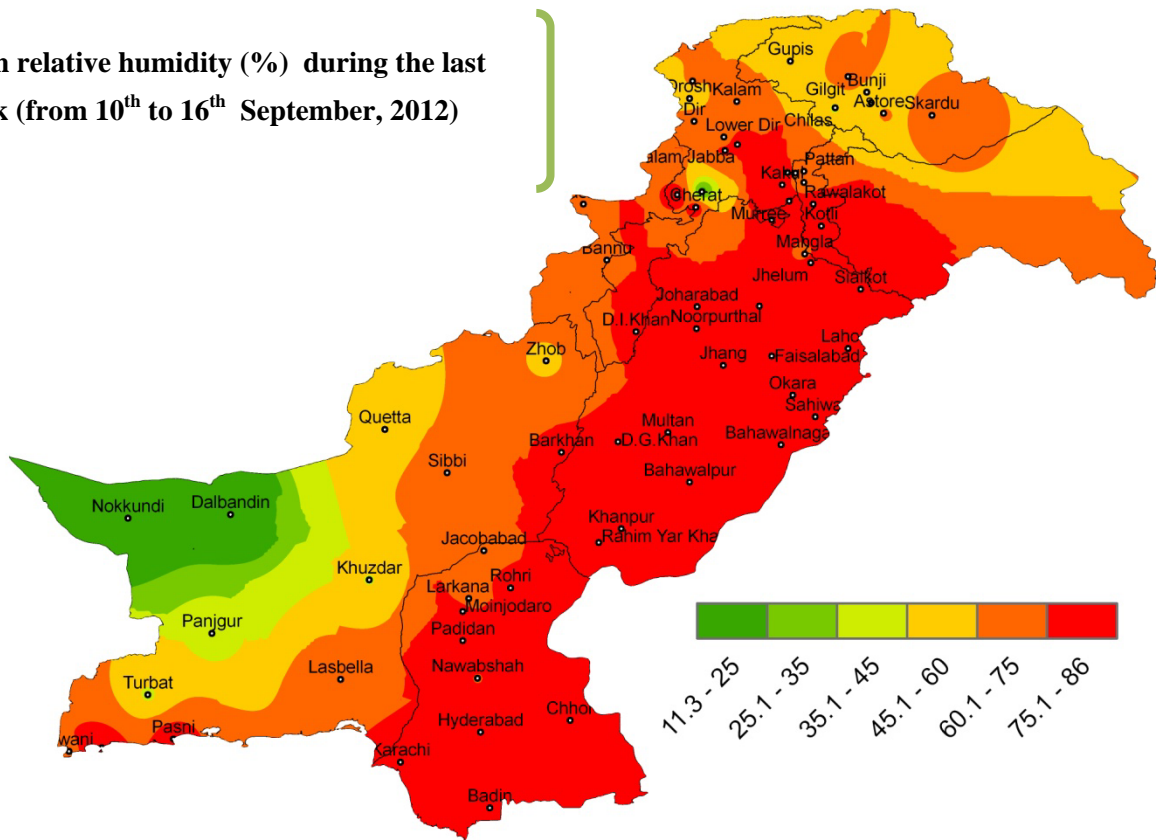
Mean maximum temperature (°C) during the last week (from 10th to 16th September, 2012)



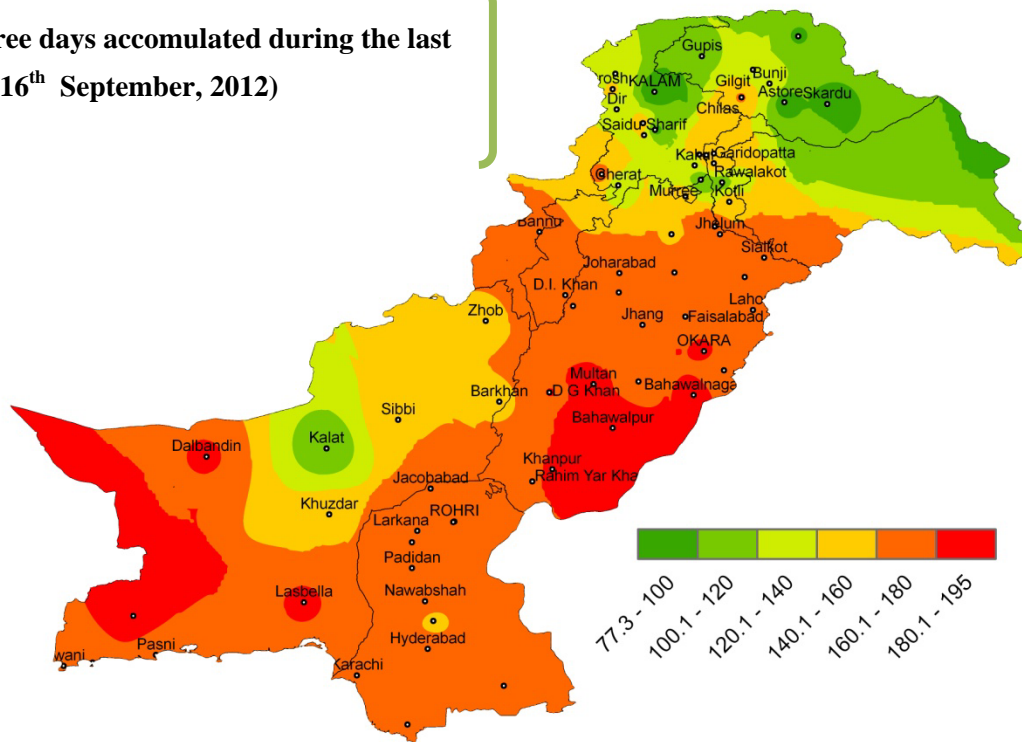
Extreme maximum temperature (°C) during the last week (from 10th to 16th September, 2012)



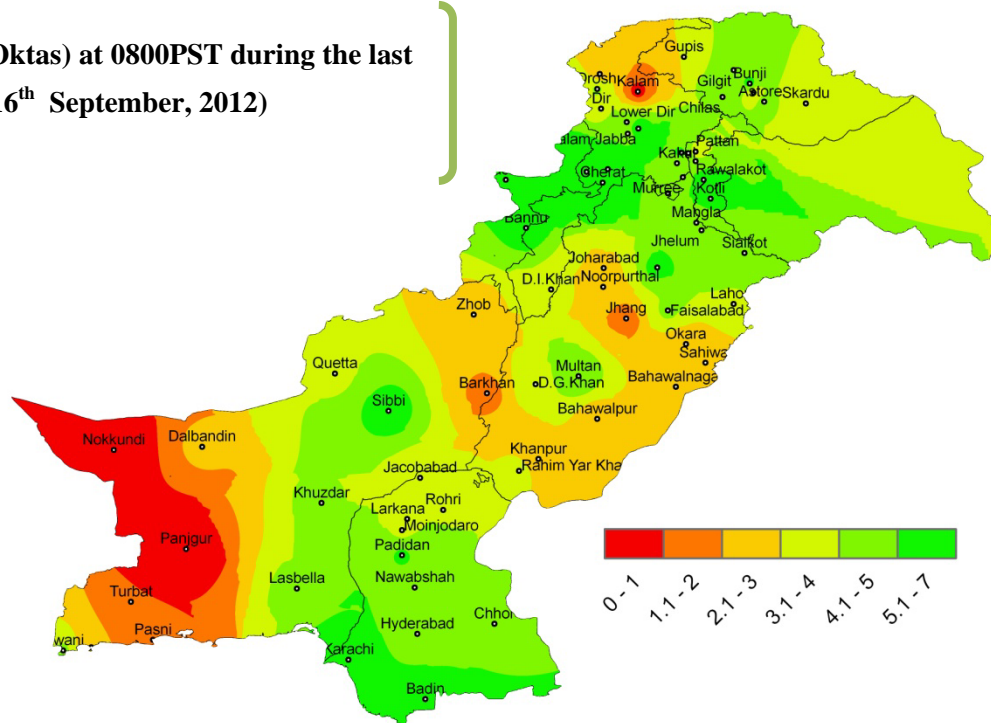
Mean relative humidity (%) during the last week (from 10th to 16th September, 2012)



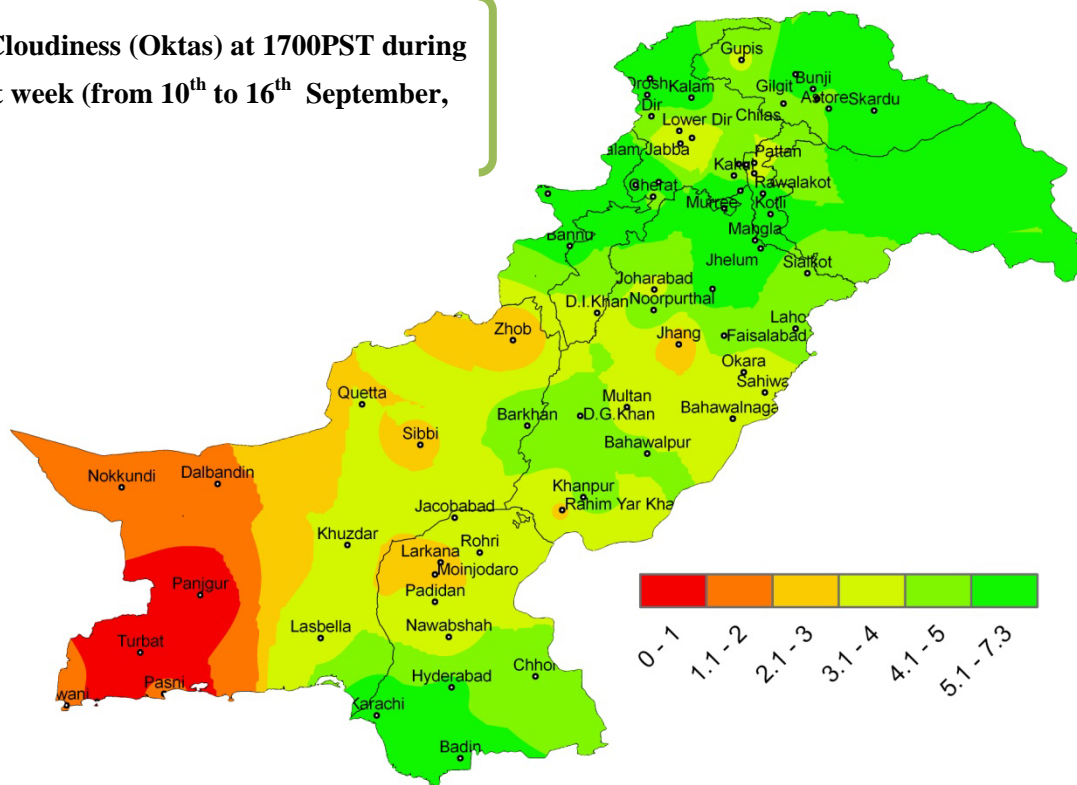
Total growing degree days accumulated during the last week (from 10th to 16th September, 2012)



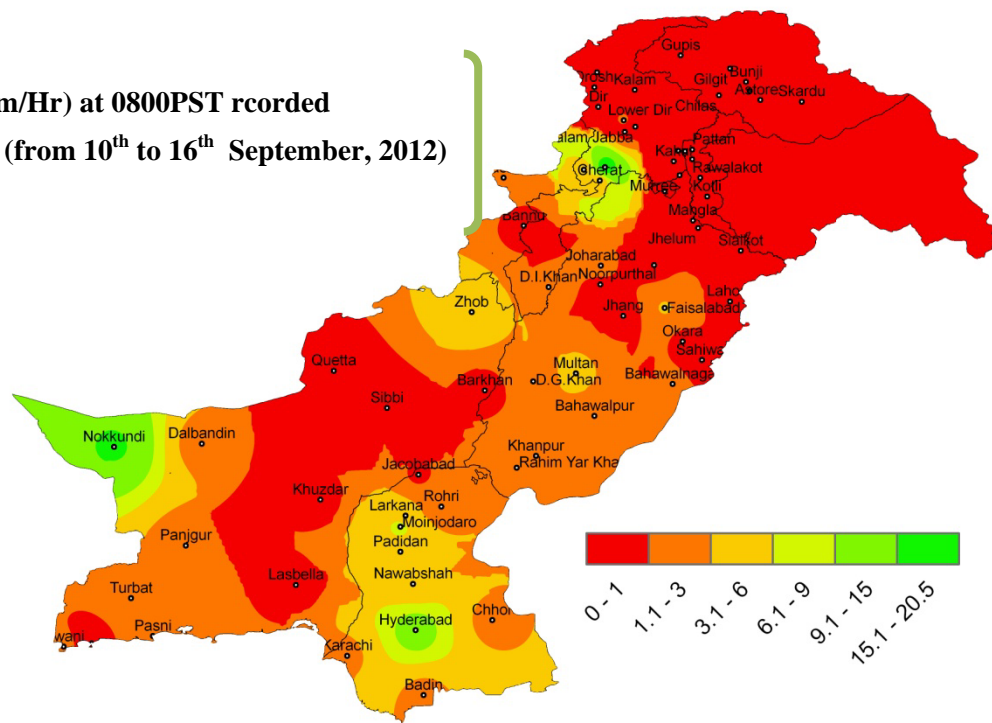
Mean Cloudiness (Oktas) at 0800PST during the last week (from 10th to 16th September, 2012)



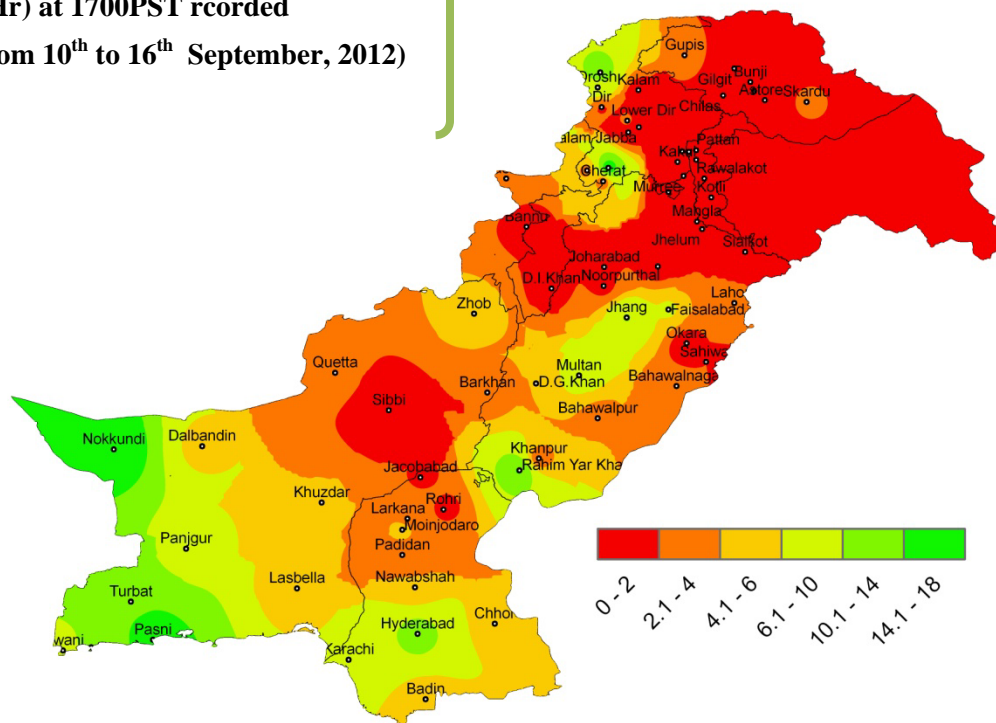
Mean Cloudiness (Oktas) at 1700PST during the last week (from 10th to 16th September, 2012)



Mean wind speed (Km/Hr) at 0800PST rcorde
during the last week (from 10th to 16th September, 2012)



Mean wind speed (Km/Hr) at 1700PST rcorde
during the last week (from 10th to 16th September, 2012)



Weekly Weather advisory for Farmers (from 17th to 23rd September, 2012)

A strong westerly wave is affecting most upper parts of the country, which is likely to move eastward on Wednesday. Moderate monsoon currents from Arabian Sea are also penetrating in upper parts of the country. A weak westerly wave is still likely to affect upper parts of the country during second half of the week. Light to Moderate monsoon currents expected to penetrate upper parts of the country on Sunday.

Punjab including Islamabad

Widespread rain-thundershower with isolated heavy fall is expected over upper Punjab on Monday & Tuesday. Dry weather expected during rest of the week.

Khyber Pakhtunkhwa

Scattered rain-thundershower is expected in Khyber Pakhtunkhwa on Monday and Tuesday. Dry weather expected during rest of the week.

Baluchistan

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

Sindh

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

Kashmir

Widespread rain-thundershower with isolated heavy falls expected in Kashmir on Monday & Tuesday. Dry weather expected during rest of the week.

Gilgit-Baltistan

Scattered rain/thundershower is likely in Gilgit-Baltistan during first half of the week. Dry weather expected during rest of the week.

Advices 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 & 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.

National Weather Data of Selected Cities
(Weekly data from 10th to 16th September, 2012)

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	Highest							
Astore	23.2	25.8	87.0	61.9	7.2	4.3	5.2	0.3	1.3
Badin	32.3	33.5	***	79.1	65.1	6.0	5.4	2.0	4.3
Bahawalnagar	35.8	38.0	182.9	76.6	25.0	2.7	4.0	1.1	2.3
Bahawalpur A/P	35.6	37.5	188.7	75.4	1.0	2.2	4.0	2.0	3.0
Balakot	30.4	32.4	139.6	77.8	37.0	5.3	4.0	0.0	0.7
Bannu	34.3	36.0	165.6	74.3	7.1	5.5	5.2	0.0	1.3
Barkhan	31.2	33.0	154.3	77.2	32.0	1.6	4.7	0.0	2.0
Bunji	31.4	30.3	140.2	60.6	10.2	5.5	6.2	0.0	0.7
Chhor	32.4	34.0	***	81.9	47.0	4.7	4.3	2.0	4.9
Chilas	33.8	36.1	162.4	44.3	0.3	4.3	4.7	1.0	1.0
Chitral	32.5	34.0	138.1	61.4	0.0	2.5	5.2	0.3	13.3
D.G.Khan	35.0	37.0	180.2	78.2	80.1	3.8	4.3	2.3	4.0
D.I.Khan	34.7	37.5	174.8	76.2	8.1	3.7	3.8	1.3	1.3
Dalbandin	38.8	41.5	181.9	17.6	0.0	2.2	2.0	1.6	4.9
Dir	29.6	32.0	126.4	73.3	32.0	3.8	4.5	0.0	1.7
Drosh	33.6	35.4	143.2	47.8	0.0	4.2	6.2	0.0	8.0
Faisalabad	35.1	37.0	179.4	76.3	12.0	4.2	4.8	3.2	6.3
Garhi dopatta	34.4	37.0	157.3	64.7	26.0	4.3	3.0	0.0	1.0
Gawadar	33.6	35.0	173.0	81.0	0.0	2.0	0.6	0.0	11.1
Gilgit	30.4	32.5	130.8	70.0	1.2	4.4	5.7	0.0	0.0
Gupis	26.9	29.0	106.0	50.9	1.0	3.0	3.8	0.0	3.3
Hyderabad	33.2	36.5	169.6	77.0	3.2	4.0	5.1	11.6	12.0
Islamabad ZP	31.9	34.0	157.0	80.6	34.1	4.3	5.5	0.7	0.0
Jacobabad	32.4	34.0	171.3	73.4	448.0	3.0	3.9	0.6	1.7
Jhang	35.1	36.8	177.5	76.9	44.0	1.5	2.2	0.0	10.2
Jhelum	34.2	36.2	167.7	81.3	16.0	4.0	5.0	0.0	0.7
Jiwani	32.7	33.0	171.1	74.2	0.0	4.2	1.9	1.3	8.0
Joharabad	35.3	38.5	178.3	78.0	21.0	2.8	3.8	1.3	1.6
Kakul	28.6	31.0	128.2	79.3	37.0	4.7	4.7	0.0	0.3
Kalam	24.1	27.0	77.3	70.4	12.0	0.6	5.8	0.0	0.3
Karachi A/P	32.0	32.5	169.4	79.2	36.2	6.2	5.7	2.4	6.6
Khanpur	34.9	35.8	180.4	78.8	111.1	2.2	4.4	2.7	2.3
Khuzdar	32.3	35.0	150.8	44.8	31.0	4.2	3.1	0.0	4.3
Kotli	32.0	33.9	154.2	77.5	36.0	5.3	5.3	0.6	0.7
Lahore A/P	34.9	36.0	174.1	75.3	40.0	3.8	4.7	0.3	2.7

Nawabshah	34.8	38.0	177.3	74.9	0.0	4.8	3.7	3.2	4.1
Okara	35.6	38.0	180.9	75.7	8.0	2.3	3.5	0.7	1.0
Padidan	33.9	37.0	174.8	81.1	18.1	5.2	3.6	4.0	2.9
Panigur	35.9	39.0	***	40.2	0.0	0.0	0.4	1.0	7.7
Parachinar	17.2	20.0	***	70.6	31.0	5.5	6.1	3.0	3.0
Pasni	33.4	34.5	166.0	82.3	0.0	1.3	1.1	2.5	16.0
Peshawar A/P	32.8	35.5	167.0	83.3	12.1	6.0	7.3	3.6	3.3
Quetta	30.4	33.0	***	47.5	0.0	3.8	3.0	0.0	2.9
Rahim yar khan	35.0	36.5	179.8	79.5	128.1	3.4	2.8	2.4	14.3
Rawalakot	25.3	26.3	110.0	85.9	18.1	6.2	5.8	0.0	0.7
Risalpur	34.0	34.5	***	19.5	23.1	7.0	5.4	20.5	17.1
Rohri	33.9	36.5	174.5	76.3	206.0	4.0	3.4	1.3	1.7
Saidu sharif	30.8	33.0	142.8	75.7	24.0	4.5	3.3	0.0	0.3
Sialkot cantt	33.5	36.1	160.2	77.0	29.3	4.8	4.6	0.0	0.8
Sibbi	34.4	36.5	154.8	71.3	61.0	5.7	2.9	0.0	0.0
Skardu	24.4	27.2	97.6	64.4	16.1	3.2	6.0	0.0	2.2
Zhob	31.3	33.5	155.5	58.3	28.0	2.0	2.3	5.8	5.6

***Data not available