

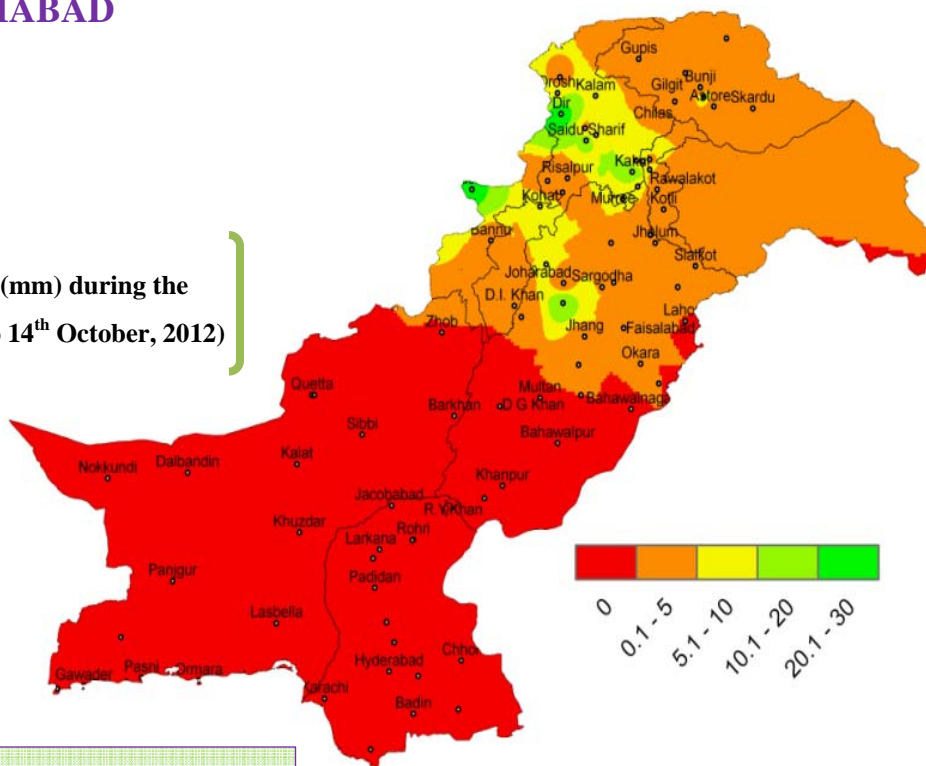
Weekly Weather and Crop Bulletin for Pakistan

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Rainfall distribution (mm) during the
last week (from 8th to 14th October, 2012)



Contents

Highlights of past weather (General)	1-2
Past weather for Agri Plains	3-4
Crop progress	4
Min 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 (8th to 14th October, 2012):

Light rainfall occurred at isolated places in Punjab, scattered places in Khyberpakhtunkhwa, Gilgit Baltistan region and Kashmir. Where as dry weather observed in rest of the country including Sindh and Balochistan provinces.

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

Editor: Dildar Hussain Kazmi (Meteorologist)

Punjab

Light rainfall reported from isolated places in the agriculture plains of the province, during the week. Weekly maximum temperature and minimum temperature recorded as 33.8°C & 18.7°C respectively. For the present season on average 148.1 growing degree days accumulated by the end of last week. Average relative humidity recorded as 61 % and wind speed in the morning/evening recorded as 0.4/1.0 Knots. During the previous week the highest rainfall recorded at Noorpur Thal as 18.0 mm and the extreme minimum temperature recorded at Murree as 10.2°C.

Sindh

Dry weather observed all over the province, during the week. Weekly maximum temperature and minimum temperature recorded as 35.4°C & 21.1°C respectively. For the present season on average 164.9 growing degree days accumulated by the end of last week. Average relative humidity recorded as 63 % and wind speed in the morning/evening recorded as 1.4/4.0 Knots. During the previous week the extreme minimum temperature recorded at Mirpur Khas as 14.0°C.

Khyber Pakhtoon Khawa (KP)

Light rainfall reported from scattered places in the agriculture plains of the province, during the week. Weekly maximum temperature and minimum temperature recorded as 27.5°C & 12.6°C respectively. For the present season on average 102.1 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 0.9/1.5 Knots. During the previous week the highest rainfall recorded at Dir as 30.0 mm and the extreme minimum temperature recorded at Kalam as 3.0°C.

Balochistan

Dry weather observed all over the province, during the week. Weekly maximum temperature and minimum temperature recorded as 32.3°C & 15.1°C respectively. For the present season on average 135.0 growing degree days accumulated by the end of last week. Average relative humidity recorded as 48 % and wind speed in the morning/evening recorded as 0.9/5.1 Knots. During the previous week the extreme minimum temperature recorded at Kallat as 2.0°C.

Gilgit Baltistan and Azad Jammu & Kashmir

Light rainfall reported from scattered places in the agriculture plains of the province, during the week. Weekly maximum temperature and minimum temperature recorded as 25.2°C & 9.4°C respectively. For the present season on average 86.9 growing degree days accumulated by the end of last week. Average relative humidity recorded as 51 % and wind speed in the morning/evening recorded as 0.2/1.7 Knots. During the previous week the highest rainfall recorded at Muzaffarabad as 10.0 mm and the extreme minimum temperature recorded at Astore as 1.2°C.

Past Weather for Major Agricultural Plains (from 8th to 14th October, 2012)

Rawalpindi (Potohar region)

Rainfall reported as 5.1 mm during the last week with cloudiness in the morning/evening as 2/2 Oktas and average relative humidity observed as 50%. Mean night temperature recorded as 16.8°C & for the present season 138.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4/6 Km/h.

Tandojam (Lower Sindh)

Dry weather observed during the last week with cloudiness in the morning/evening as 0.4/0.3 Oktas and average relative humidity observed as 58%. Mean night temperature recorded as 19.9°C & for the present season 161.3 growing degree days accumulated by the end of last week.

Faisalabad (Central Punjab)

Rainfall reported as 5.6 mm during the last week with cloudiness in the morning/evening as 2/2 Oktas and average relative humidity observed as 48%. Mean night temperature recorded as 19.1°C & for the present season 150.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.9/1.9 Km/h.

Quetta (Northern Balochistan)

Dry weather observed during the last week with cloudiness in the morning/evening as 0/0.9 Oktas and average relative humidity observed as 18%. Mean night temperature recorded as 6.1°C & for the present season 78.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.2/6.1 Km/h.

Past Weather for sub regional Agri-cultural Plains (from 8th to 14th October, 2012)

Rohri

Dry weather with clear skies observed during the last week however average relative humidity recorded as 50%. Mean night temperature recorded as 22.8°C & for the present season 169.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/1.4 Knots.

Multan

Dry weather observed during the last week with cloudiness recorded in the morning/evening as 0/1.0 oktas and average relative humidity recorded as 53%. Mean night temperature recorded as 21.0°C & for the present season 161.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.8/3.4 Knots.

Lahore

Dry weather with clear skies observed during the last week however average relative humidity recorded as 56%. Mean night temperature recorded as 20.2°C & for the present season 151.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/0.9 Knots.

Jhelum

Rainfall recorded as 0.1 mm during the last week with cloudiness recorded in the morning/evening as 1.2/1.4 oktas and average relative humidity recorded as 66%. Mean night temperature recorded as 18.6°C & for the present season 149.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/1.7 Knots.

D.I. Khan

Dry weather observed during the last week while cloudiness recorded in the morning/evening as 0/0.3 oktas and average relative humidity recorded as 63%. Mean night temperature recorded as 17.6°C & for the present season 144.8 growing

degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/0.6 Knots.

Peshawar

Rainfall recorded as 0.1 mm during the last week with cloudiness in the morning/evening as 1/1.7 Oktas and average relative humidity observed as 67%. Mean night temperature recorded as 17.4°C & for the present season 129.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2/0.9 Knots.

Murree

Rainfall recorded as 5.0 mm during the last week with cloudiness in the morning/evening as 0.6/1.6 Oktas and average relative humidity observed as 58%. Mean night temperature recorded as 11.3°C & for the present season 78.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2/0.9 Knots.

Saidu Sharif

Rainfall recorded as 14.0 mm during the last week with cloudiness in the morning/evening as 1.2/2.9 Oktas and average relative humidity observed as 57%. Mean night temperature recorded as 12.7°C & for the present season 109.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as Calm (no wind).

Gilgit.

Rainfall recorded as 0.1 mm during the last week with cloudiness in the morning/evening as 2/4.7 Oktas and average relative humidity observed as 59%. Mean night temperature recorded as 6.5°C & for the present season 75.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/2.3 Knots.

Skardu

Dry weather observed during the last week, cloudiness recorded in the morning/evening as 1.8/5.9 Oktas and average relative humidity 51%. Mean night temperature recorded as 3.8°C & for

the present season 46.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/3.1 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 Milk Maturity 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, Boll-Opening stage completed.

Lower Sindh (Tandojam)

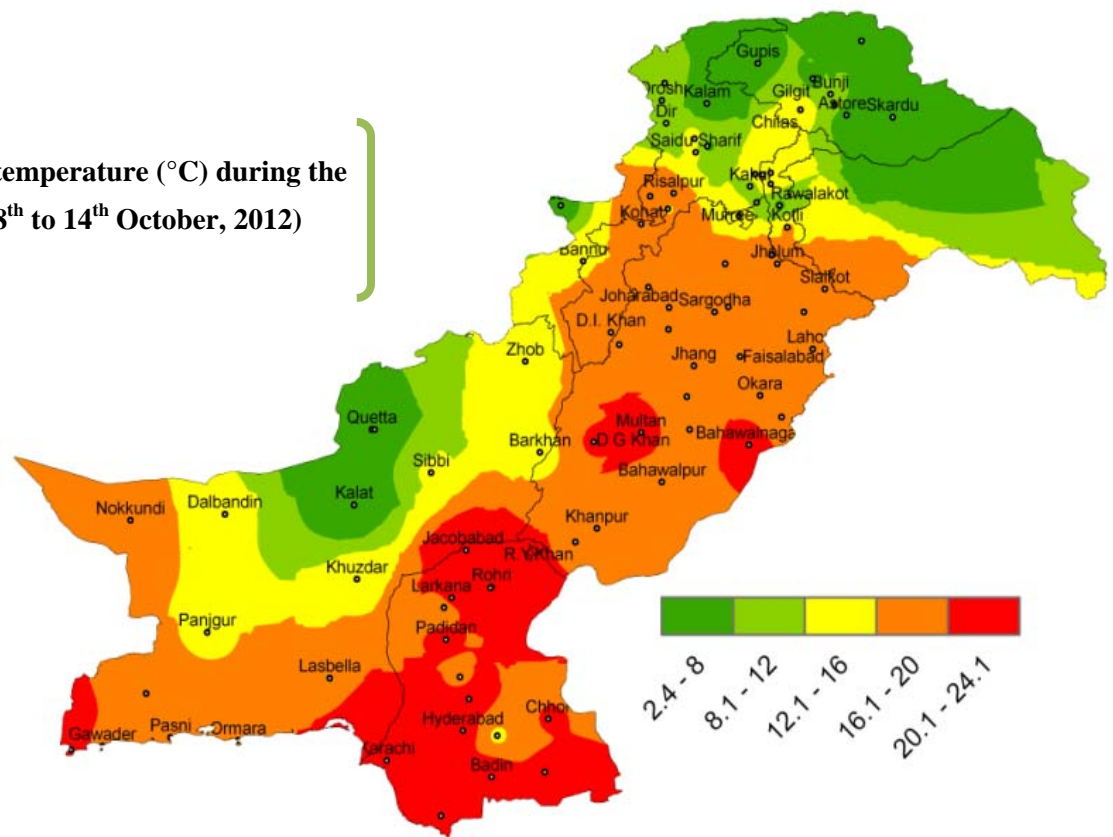
Presently only one crop (irrigated conditions) is grown in the fields as detailed below.

Cotton (BT-886): Good condition, final picking started from 12th October, 2012.

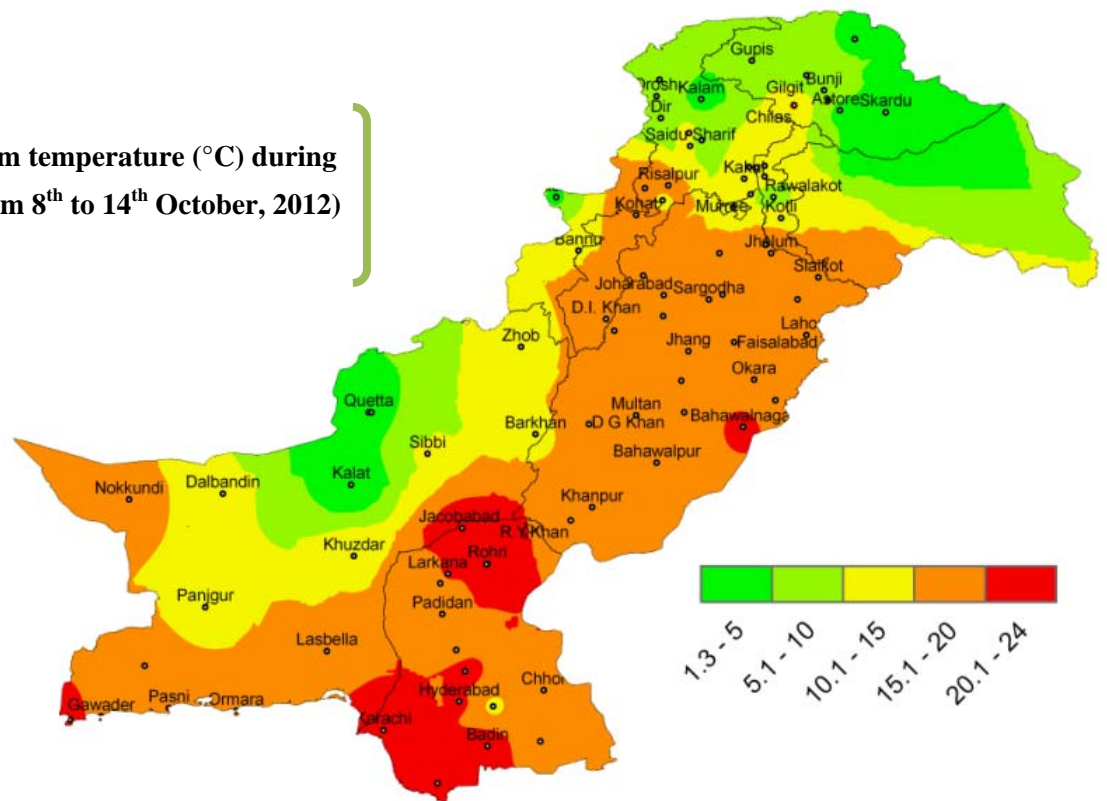
Northern Balochistan (Quetta)

Presently no crop is grown in the fields.

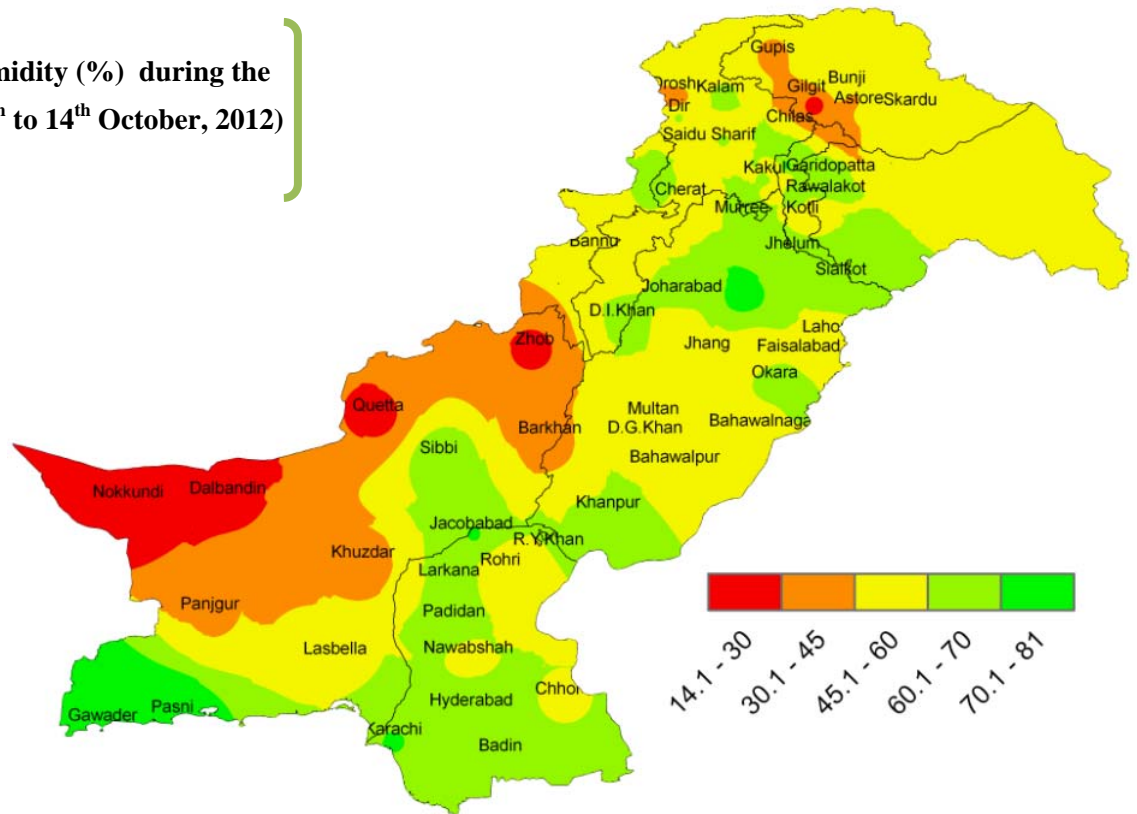
Mean minimum temperature (°C) during the last week (from 8th to 14th October, 2012)



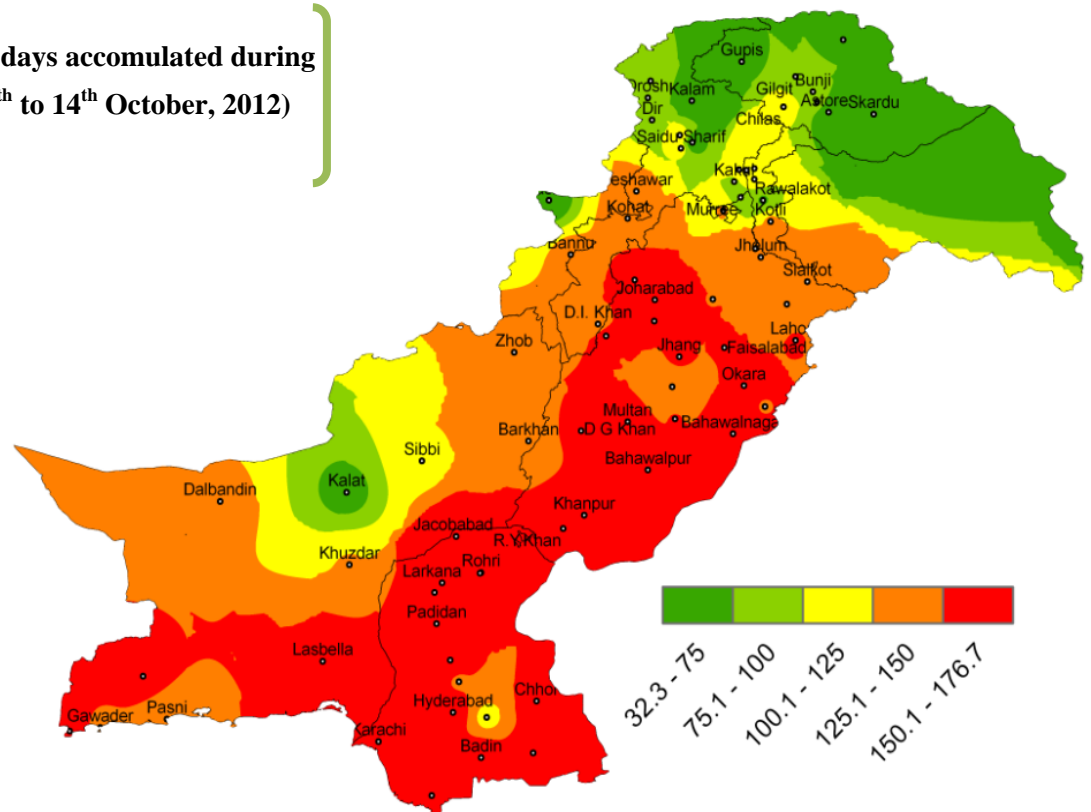
Extreme minimum temperature (°C) during the last week (from 8th to 14th October, 2012)



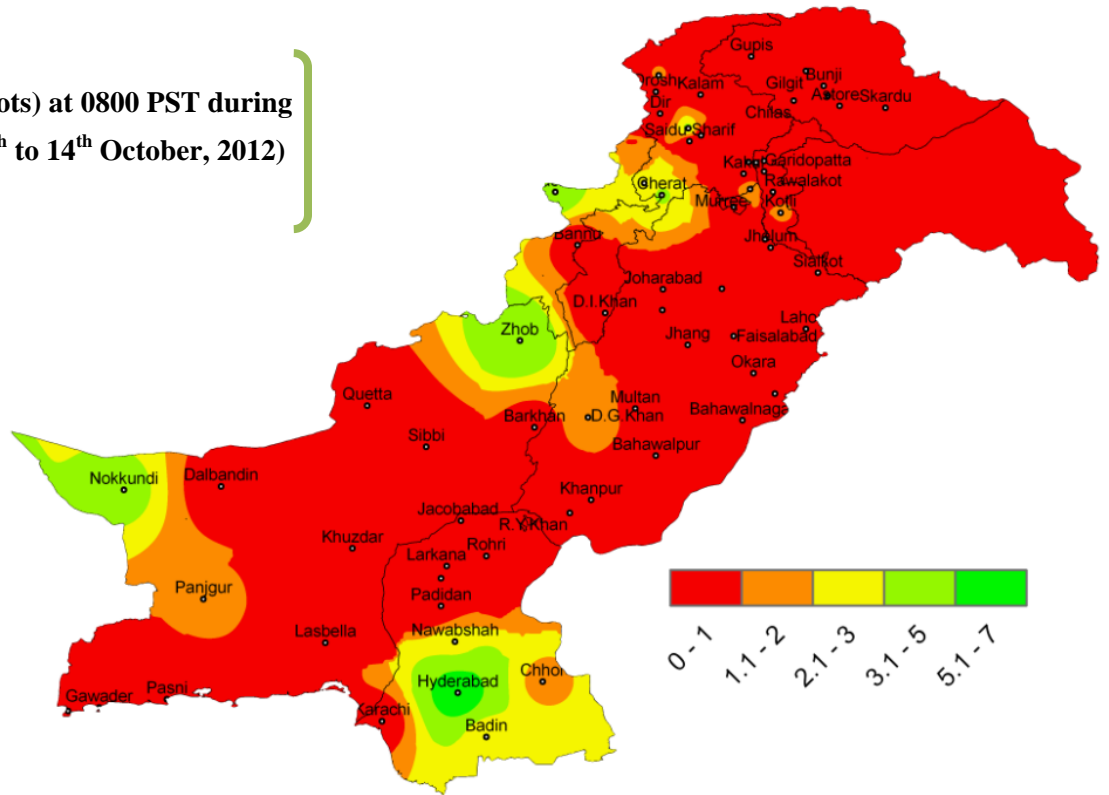
Mean relative humidity (%) during the last week (from 8th to 14th October, 2012)



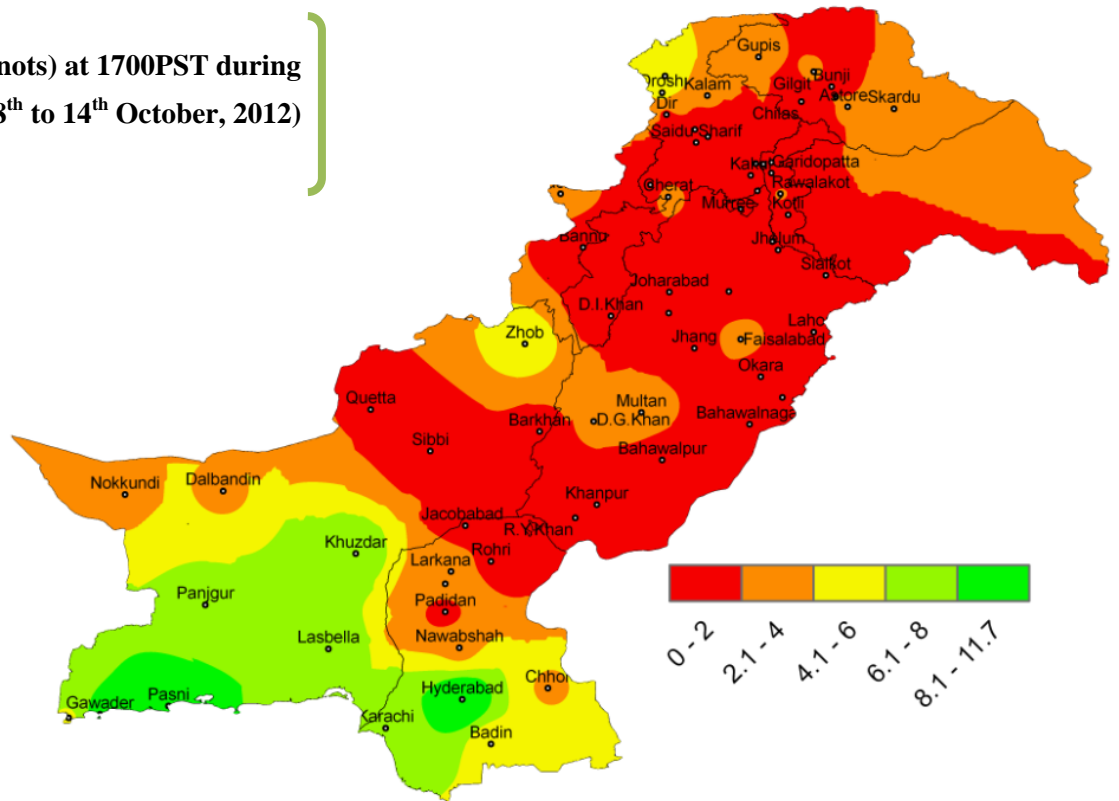
Total growing degree days accumulated during the last week (from 8th to 14th October, 2012)



Mean wind speed (Knots) at 0800 PST during the last week (from 8th to 14th October, 2012)



Mean wind speed (Knots) at 1700 PST during the last week (from 8th to 14th October, 2012)



Weekly Weather advisory for Farmers (from 15th to 21st October, 2012)

A westerly wave is affecting upper parts of the country and likely to persist during next 24 hours. Continental air would prevail over most parts of the country during rest days of the week. Another westerly wave is likely to approach upper parts of the country on the weekend.

Punjab including Islamabad

Rain/thunderstorm is expected at isolated places of Islamabad, Rawalpindi, Gujranwala, Lahore, Sargodha, Faisalabad and Sahiwal divisions on Monday. Dry weather is expected in most parts of the province during rest days of the week. Rain/thunderstorm is expected at isolated places of upper Punjab on Sunday.

Khyber Pakhtunkhwa

Rain/thunderstorm is expected at isolated places of Hazara, Malakand, Peshawar, Kohat and Bannu divisions on Monday. Dry weather is expected in most parts of the province during rest days of the week. Rain/thunderstorm is expected at isolated places of upper KP on Saturday/Sunday.

Baluchistan

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

Sindh

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

Kashmir

Rain/thunderstorm is expected at isolated places of Kashmir on Monday/Tuesday. Dry weather is expected in most parts of the Kashmir during rest of the days of week. Rain/thunderstorm is expected at isolated places of Kashmir at the weekend.

Gilgit-Baltistan

Rain/thunderstorm is expected at isolated places of Gilgit-Baltistan on Monday/Tuesday. Dry weather is expected in most parts of the G.B during rest of the days of week. Rain/thunderstorm is expected at isolated places of GB at the weekend.

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 & 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 8th to 14th October, 2012)

STATIONS	Minimum/Night Temperature (°C)		Growing Deg. Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Okta) 0800 PST	Cloudiness (Okta) 1700 PST	Wind Speed (Knots) 0800 PST	Wind Speed (Knots) 1700 PST
	Mean	Lowest							
Astore	2.3	1.2	31.5	46.6	1.1	0.4	5.4	0.0	2.3
Badin	23.6	23.0	176.8	66.6	0.0	0.0	0.6	2.0	4.3
Bahawalnagar	21.6	21.0	168.3	54.6	0.0	0.0	0.3	0.0	0.6
Bahawalpur	18.8	17.3	159.1	59.6	0.0	0.0	0.0	0.0	0.6
Balakot	12.8	12.2	110.5	57.9	3.0	1.4	4.9	0.0	0.4
Bannu	15.7	15.0	139.2	48.8	0.1	0.0	2.3	0.0	0.0
Barkhan	14.4	13.5	131.8	34.5	0.0	0.0	0.3	0.0	1.1
Bunji	8.3	7.5	81.1	60.3	0.0	3.0	6.4	0.0	0.9
Cherat	15.7	14.0	***	50.6	5.0	1.0	2.0	3.2	2.6
Chhor	20.1	18.5	164.6	59.0	0.0	1.4	0.0	1.6	3.7
Chilas	16.3	15.4	123.1	25.3	0.1	2.0	4.6	0.0	1.4
Chitral	8.7	6.5	91.0	59.3	0.0	2.8	4.0	1.2	5.7
D g Khan	20.3	18.6	157.9	59.1	0.0	0.0	1.0	2.0	2.3
D.I. Khan	17.6	16.0	144.8	62.9	0.0	0.0	0.3	0.0	0.6
Dalbandin	12.6	10.5	135.3	29.3	0.0	0.0	2.1	0.0	3.7
Dir	7.9	6.0	82.0	61.4	30.0	1.3	4.0	0.0	1.7
Drosh	10.8	9.9	100.3	29.5	8.0	2.8	5.3	0.0	4.3
Faisalabad	19.0	18.0	150.8	55.7	5.0	0.0	0.1	0.0	3.1
Garidopatta	13.4	12.0	120.0	55.7	5.0	1.6	0.6	0.0	0.0
Gawader	18.5	16.0	146.5	79.4	0.0	1.3	0.0	0.0	8.9
Gilgit	6.5	5.5	75.9	59.4	0.1	2.0	4.7	0.0	2.3
Gupis	6.5	6.0	59.5	43.8	2.0	1.4	3.7	0.8	2.3
Hyderabad	21.4	20.5	169.5	66.0	0.0	0.0	0.6	7.0	11.7
Islamabad	15.5	13.8	130.2	65.2	5.1	0.5	0.9	0.3	0.0
Jacobabad	23.0	22.0	169.1	70.7	0.0	0.0	0.0	0.0	1.0
Jhang	19.3	18.0	154.3	56.2	2.0	0.0	0.0	0.7	1.1
Jhelum	18.6	18.0	149.3	66.1	0.1	1.2	1.4	0.0	1.7
Jiwani	24.1	24.0	161.6	79.5	0.0	0.8	0.4	1.0	5.7
Joharabad	18.7	17.0	150.3	64.8	0.0	0.0	0.1	0.0	1.1
Kakul	10.6	10.0	94.9	61.5	20.0	0.0	1.4	0.0	0.6

Kalam	4.4	3.0	35.8	63.2	7.0	4.0	5.6	0.0	2.6
Karachi	24.1	22.5	167.9	70.3	0.0	1.8	1.1	0.0	6.9
Khanpur	19.0	17.7	156.8	61.0	0.0	0.3	0.0	0.0	0.3
Khuzdar	13.9	13.0	126.3	35.9	0.0	0.0	0.0	0.0	8.0
Kotli	16.5	15.1	132.2	52.9	1.0	0.0	0.0	1.3	1.1
Lahore	19.5	18.8	151.1	55.5	0.0	0.0	0.0	0.0	0.9
Larkana	21.1	21.0	156.8	63.0	0.0	0.0	0.0	0.5	3.7
Lasbella	19.7	18.0	166.0	56.3	0.0	0.0	0.0	0.0	7.4
Lower dir	14.1	12.0	124.3	47.0	3.0	1.6	2.4	3.6	2.0
Malam Jabba	6.8	5.3	44.9	62.0	7.0	1.0	2.9	0.0	0.0
Mandibahudin	19.4	19.0	149.9	74.3	3.0	0.0	1.0	0.0	0.0
Mangla	17.1	16.4	141.7	65.8	0.1	0.0	0.9	0.0	1.1
Mir Khani	11.8	11.0	98.9	39.6	9.0	2.2	4.3	0.6	2.1
Moen-Jo-Daro	18.6	17.0	158.9	62.4	0.0	0.0	0.0	0.0	2.3
Multan	21.0	20.0	161.3	53.2	0.0	0.0	1.0	0.8	3.4
Murree	11.3	10.2	78.2	57.5	5.0	0.6	1.6	2.0	0.9
Muzaffarabad	14.3	13.8	126.2	55.8	10.0	0.6	3.1	0.0	0.0
Nokkundi	19.5	17.7	***	14.1	0.0	0.0	0.3	3.5	3.7
Noorpurthal	17.8	16.0	154.4	54.6	18.0	0.0	0.0	0.0	0.6
Okara	19.4	18.8	155.2	62.3	0.0	0.0	0.6	0.3	0.3
Padidan	20.5	19.5	164.0	62.4	0.0	0.0	0.0	0.0	1.4
Panjgur	15.1	13.0	***	43.0	0.0	0.0	0.0	1.5	7.0
Parachinar	5.3	4.5	42.0	55.6	25.1	4.2	4.6	4.2	3.6
Pasni	19.2	17.5	129.8	81.0	0.0	0.0	0.3	0.0	8.9
Pattan	13.6	12.0	115.4	74.9	4.0	0.5	4.9	0.0	0.3
Peshawar	19.0	18.0	141.0	67.2	0.1	1.0	1.7	2.0	0.9
Quetta	5.8	3.0	***	25.4	0.0	0.0	1.0	0.0	1.7
R.Y.Khan	19.7	18.5	163.2	63.1	0.0	0.0	0.3	0.3	0.6
Rawalakot	7.0	6.5	69.3	64.0	0.1	0.0	0.6	0.0	2.3
Rohri	22.8	21.5	169.5	49.9	0.0	0.0	0.0	0.0	1.4
Sahiwal	18.1	17.4	149.2	61.2	0.0	0.0	0.3	1.0	0.7
Saidu Sharif	12.7	11.0	109.9	57.1	14.0	1.2	2.9	0.0	0.0
Shaheed Benazirabad	18.9	17.5	162.3	57.8	0.0	0.0	0.0	2.8	3.3
Sialkot	18.5	17.2	140.8	64.3	0.0	0.0	0.0	0.0	0.3
Sibbi	12.8	11.0	116.8	70.0	0.0	0.0	0.0	0.0	0.0
Skardu	3.8	2.0	46.8	50.5	0.0	1.8	5.9	0.0	3.1
Zhob	13.1	12.0	141.0	27.2	0.0	0.0	0.9	5.0	5.6

*** Data not available