

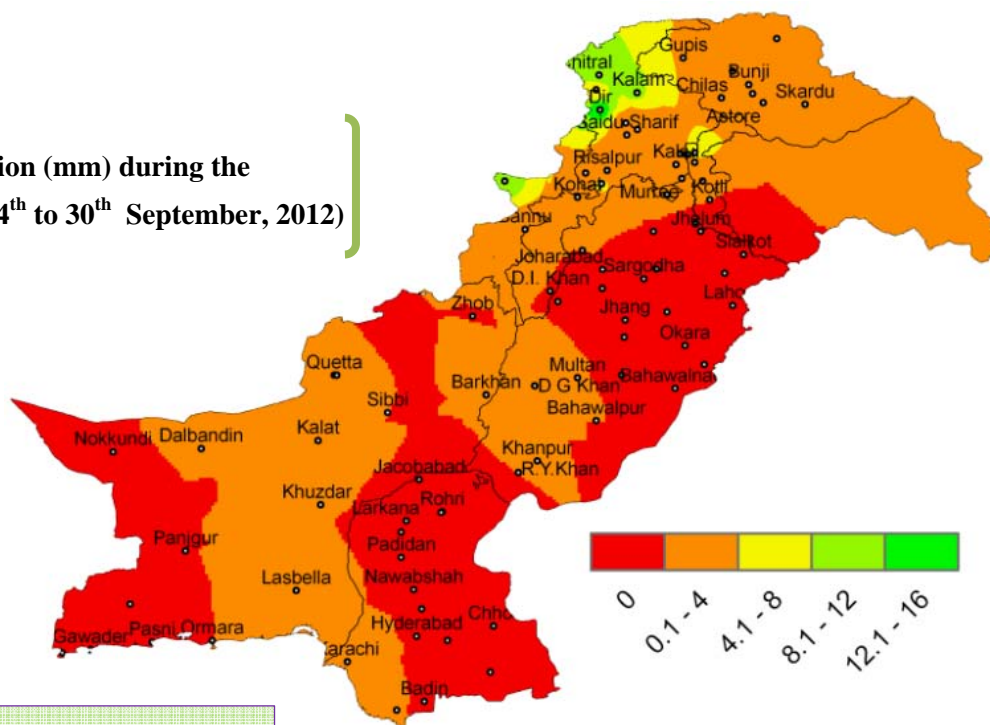
## Weekly Weather and Crop Bulletin for Pakistan

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Rainfall distribution (mm) during the  
last week (from 24<sup>th</sup> to 30<sup>th</sup> September, 2012)



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### Highlights of Past Weather (24<sup>th</sup> to 30<sup>th</sup> Sep, 2012):

Dry weather observed generally especially in Punjab, Sindh and Balochistan during the last week. However, light rainfall occurred at scattered places in Khyberpakhtunkhwa, Gilgit Baltistan and Kashmir region during the past week where as in rest of the country meager rainfall reported at isolated places.

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

Editor: Dildar Hussain Kazmi (Meteorologist)

## **Punjab**

Dry weather observed generally but rainfall in meager amount reported from few of the agricultural plains in Punjab during the week. Weekly maximum temperature and minimum temperature recorded as 35.0°C & 21.6°C respectively. For the present season on average 162.1 growing degree days accumulated by the end of last week. Average relative humidity recorded as 64 % and wind speed in the morning/evening recorded as 0.6/2.3 Knots. During the previous week highest rainfall recorded at Kamra as 4 mm while the extreme minimum temperature recorded at Islamabad as 18.0°C.

## **Sindh**

Dry weather reported from most of the agricultural plains in Sindh during the week but 0.1mm rainfall reported from a single location in the coastal belt "Karachi". Weekly maximum temperature and minimum temperature recorded as 35.2°C & 23.8°C respectively. For the present season on average 175.3 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 3.1/5.9 Knots. During the previous week the extreme minimum temperature recorded at Larkana as well as Moinjo Daro as 22.0°C.

## **Khyber Pakhtoon Khawa (KP)**

Light rainfall reported from scattered places of the province during the week. Weekly maximum temperature and minimum temperature recorded as 29.6°C & 14.1°C respectively. For the present season on average 122.9 growing degree days accumulated by the end of last week. Average relative humidity recorded as 57 % and wind speed in the morning/evening recorded as 0.8/2.7 Knots. During the previous week the highest rainfall recorded at Dir as 16.0 mm and the extreme minimum temperature recorded at Parachinar as 4.5°C.

## **Balochistan**

Dry weather reported from most of the agricultural plain of the province during the last week however light rainfall reported from a few places. Weekly maximum temperature and minimum temperature recorded as 32.9°C & 18.2 °C respectively. For the present season on average 145.8 growing degree days accumulated by the end of last week. Average relative humidity recorded as 46 % and wind speed in the morning/evening recorded as 1.3/7.0 Knots. During the previous week the highest rainfall recorded at Lasbela as 4.0 mm and the extreme minimum temperature recorded at Kallat as 5.5°C.

## **Gilgit Baltistan and Azad Jammu & Kashmir**

Light rainfall reported from scattered places of the specified region especially from Kashmir. Weekly maximum temperature and minimum temperature recorded as 27.6°C & 12.4°C respectively. For the present season on average 105.1 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 0.6/1.7 Knots. During the previous week the highest rainfall recorded at Pattan as 9.0 mm and the extreme minimum temperature recorded at Astore as 4.0°C.

## **Past Weather for Major Agricultural Plains**

(from 24<sup>th</sup> to 30<sup>th</sup> September, 2012)

### **Rawalpindi (Potohar region)**

Dry weather with clear skies reported during the last week and average relative humidity observed as 59%. Mean night temperature recorded as 18.3°C & for the present season 144.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.1/1.8 Km/h.

### **Tandojam (Lower Sindh)**

Dry weather with clear skies reported during the last week and average relative humidity observed as 61%. Mean night temperature recorded as 23.0°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 5.7/7.7 Km/h.

### **Faisalabad (Central Punjab)**

Dry weather with clear skies reported during the last week and average relative humidity observed as 51%. Mean night temperature recorded as 21.6°C & for the present season 166.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.6 Km/h.

### **Quetta (Northern Balochistan)**

Dry weather with clear skies reported during the last week and average relative humidity observed as 27%. Mean night temperature recorded as 9.4°C & for the present season 97.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.7/6.6 Km/h.

### **Usta Muhammad (Eastern Balochistan)**

*Due to heavy showers during some days earlier water is still standing in the area and no data observed.*

## **Past Weather for sub regional Agri-cultural**

**Plains** (from 24<sup>th</sup> to 30<sup>th</sup> September, 2012)

### **Rohri**

No rainfall reported during the last week however cloudiness recorded in the morning/evening as 0/0.3 oktas and average relative humidity 55%. Mean night temperature recorded as 25.6°C & for the present season 183.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.8/2.0 Knots.

### **Skardu**

Rainfall reported as 2.1 mm during the last week, cloudiness recorded in the morning/evening as 3.8/5.4 oktas and average relative humidity 50%. Mean night temperature recorded as 7.5°C & for the present season 69.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/4.6 Knots.

### **Multan**

Dry weather with clear skies observed during the last week however average relative humidity recorded as 58%. Mean night temperature recorded as 23.6°C & for the present season 179.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.7/6.6 Knots.

### **Lahore**

No rainfall reported during the last week, cloudiness recorded in the morning/evening as 0/0.3 oktas and average relative humidity 56%. Mean night temperature recorded as 23.0°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 0/2.9 Knots.

### **Malam Jabba**

Rainfall reported as 2.0 mm during the last week, cloudiness recorded in the morning/evening as 0.7/2.4 oktas and average relative humidity 54%. Mean night temperature recorded as 9.4°C & for the present season 72.8 growing degree days

accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.0/1.1 Knots.

### **Gilgit.**

Rainfall reported as 0.2 mm during the last week, cloudiness recorded in the morning/evening as 3.5/5.6 oktas and average relative humidity 53%. Mean night temperature recorded as 12.4°C & for the present season 103.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/2.9 Knots.

### **Jhelum**

Dry weather with clear skies observed during the last week however average relative humidity recorded as 66%. Mean night temperature recorded as 21.3°C & for the present season 162.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/2.0 Knots.

### **D.I. Khan**

Dry weather with clear skies observed during the last week however average relative humidity recorded as 64%. Mean night temperature recorded as 22.0°C & for the present season 164.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.8/1.4 Knots.

### **Peshawar**

Rainfall reported as 2.0 mm during the last week, cloudiness recorded in the morning/evening as 1.0/3.6 oktas and average relative humidity 64%. Mean night temperature recorded as 19.5°C & for the present season 152.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.0/1.2 Knots.

### **Murree**

Rainfall reported as 0.1 mm during the last week, cloudiness recorded in the morning/evening as 0/0.3 oktas and average relative humidity 59%. Mean night temperature recorded as 12.9°C & for the present season 92.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as Calm (no wind).

## **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 Flowering 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, third picking completed.

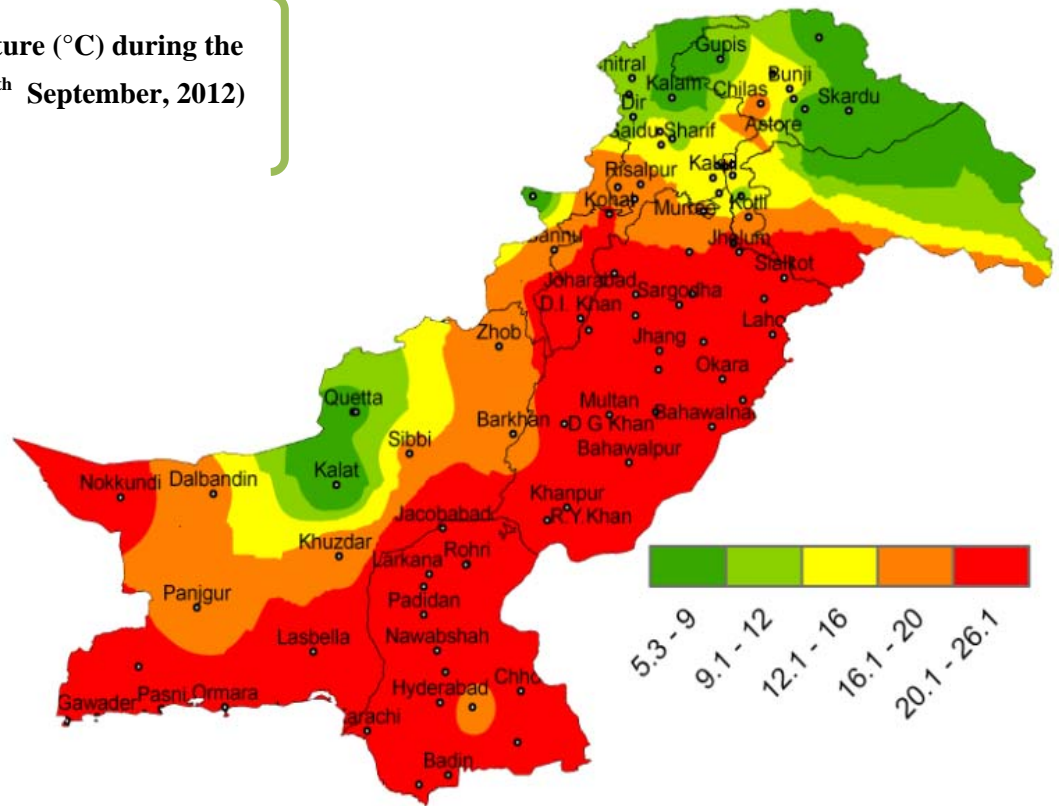
### **Northern Balochistan (Quetta)**

Presently no crop is grown in the fields.

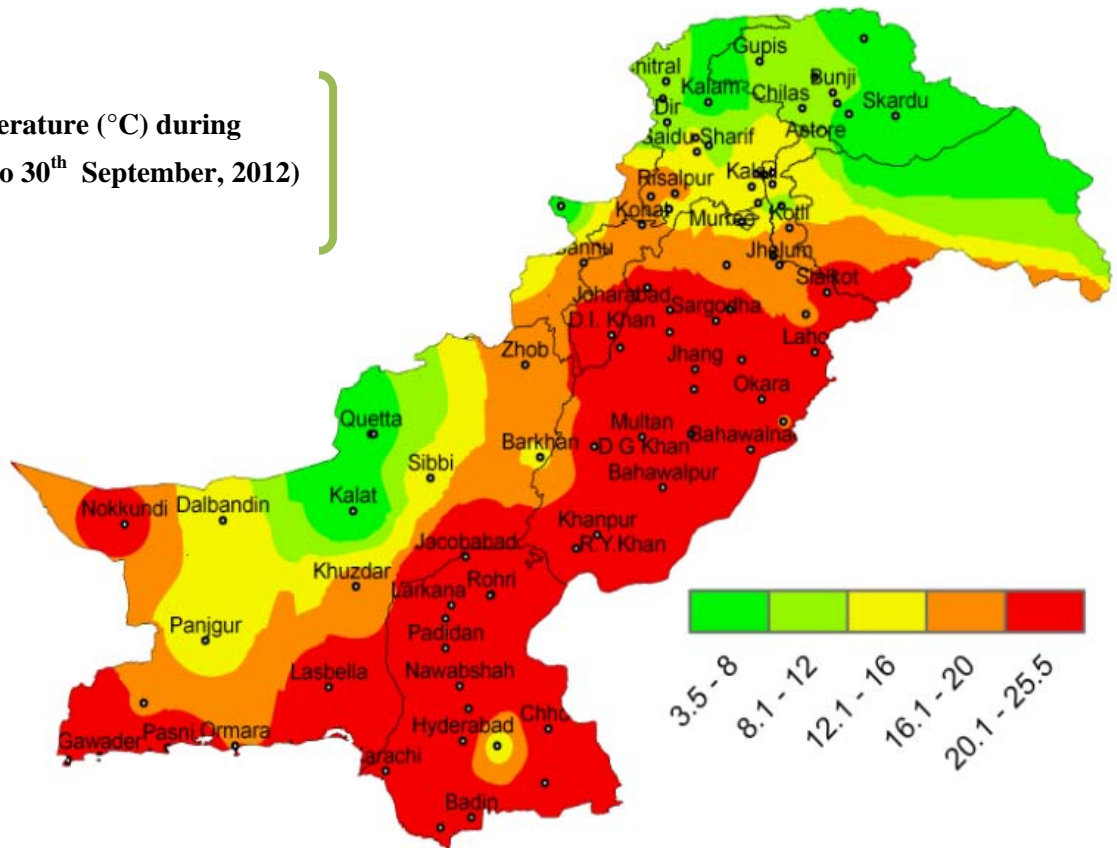
### **Eastern Balochistan (Usta Muhammad)**

*Due to heavy showers during some days earlier water is still standing in the area and no data observed.*

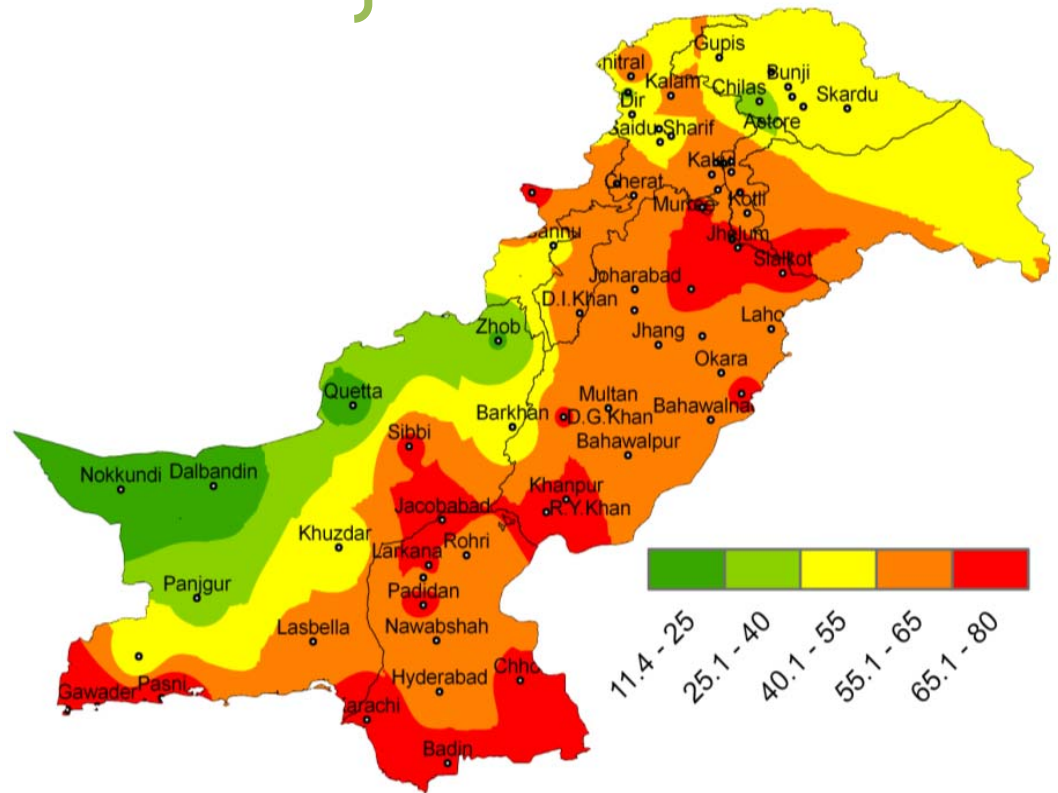
Mean minimum temperature (°C) during the last week (from 24<sup>th</sup> to 30<sup>th</sup> September, 2012)



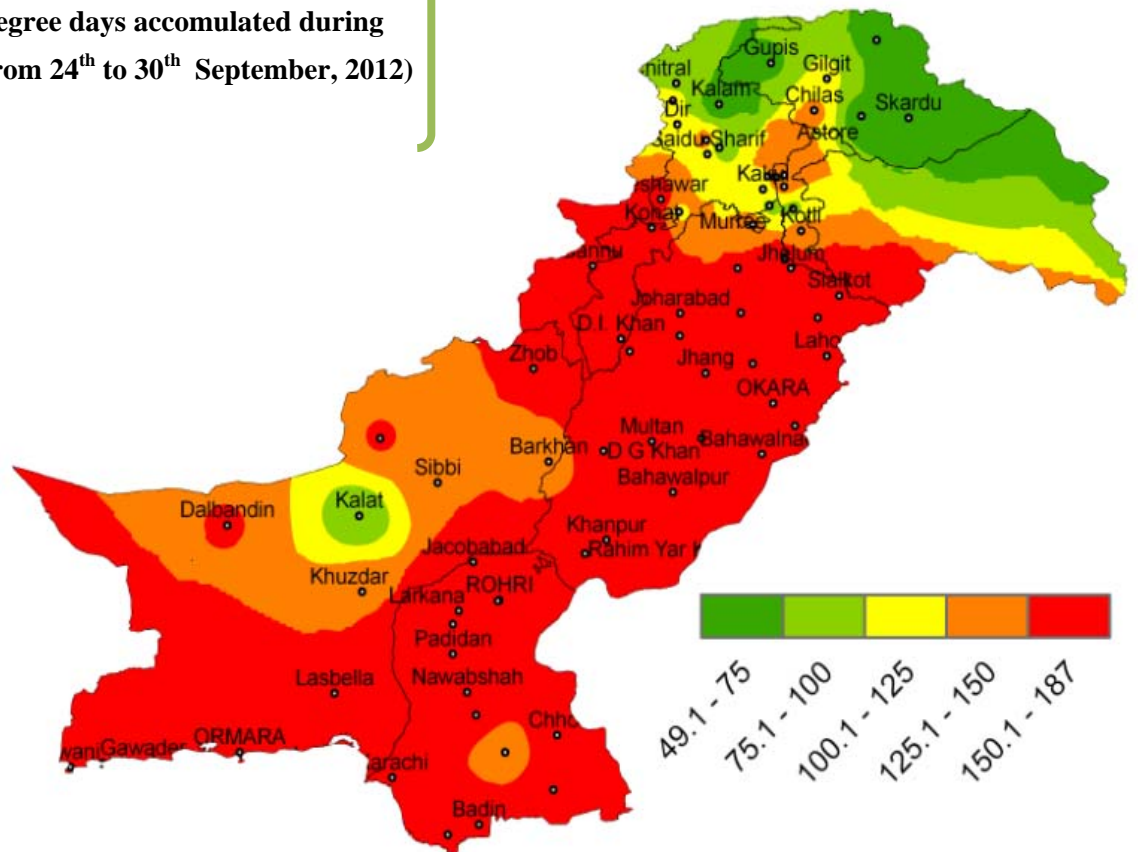
Extreme minimum temperature (°C) during the last week (from 24<sup>th</sup> to 30<sup>th</sup> September, 2012)



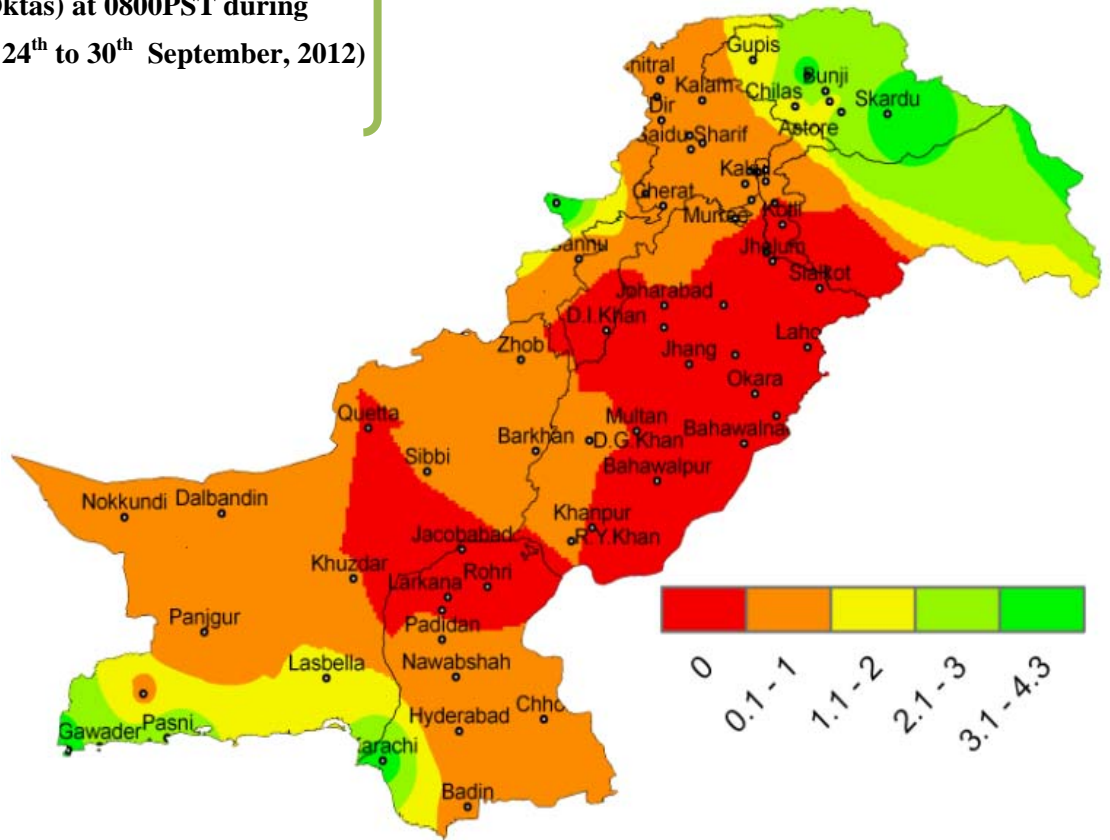
Mean relative humidity (%) during the last week (from 24<sup>th</sup> to 30<sup>th</sup> September, 2012)



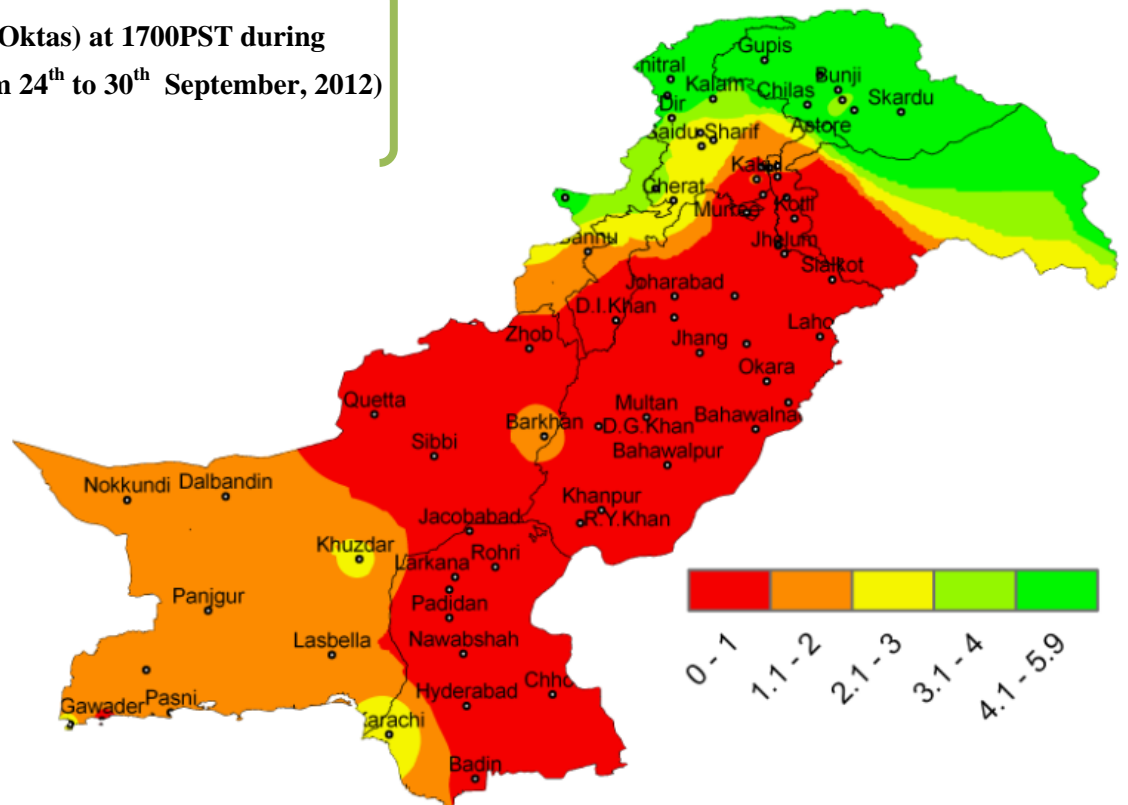
Total growing degree days accumulated during the last week (from 24<sup>th</sup> to 30<sup>th</sup> September, 2012)



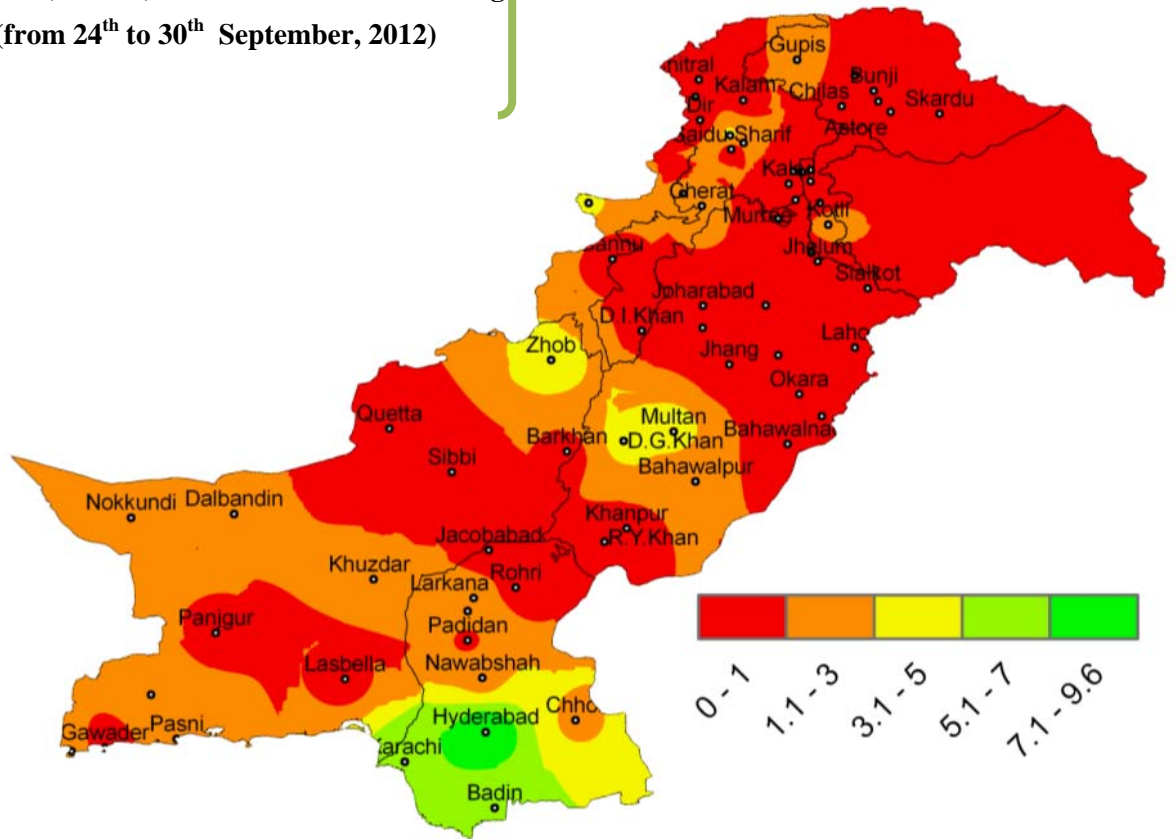
Mean Cloudiness (Oktas) at 0800PST during the last week (from 24<sup>th</sup> to 30<sup>th</sup> September, 2012)



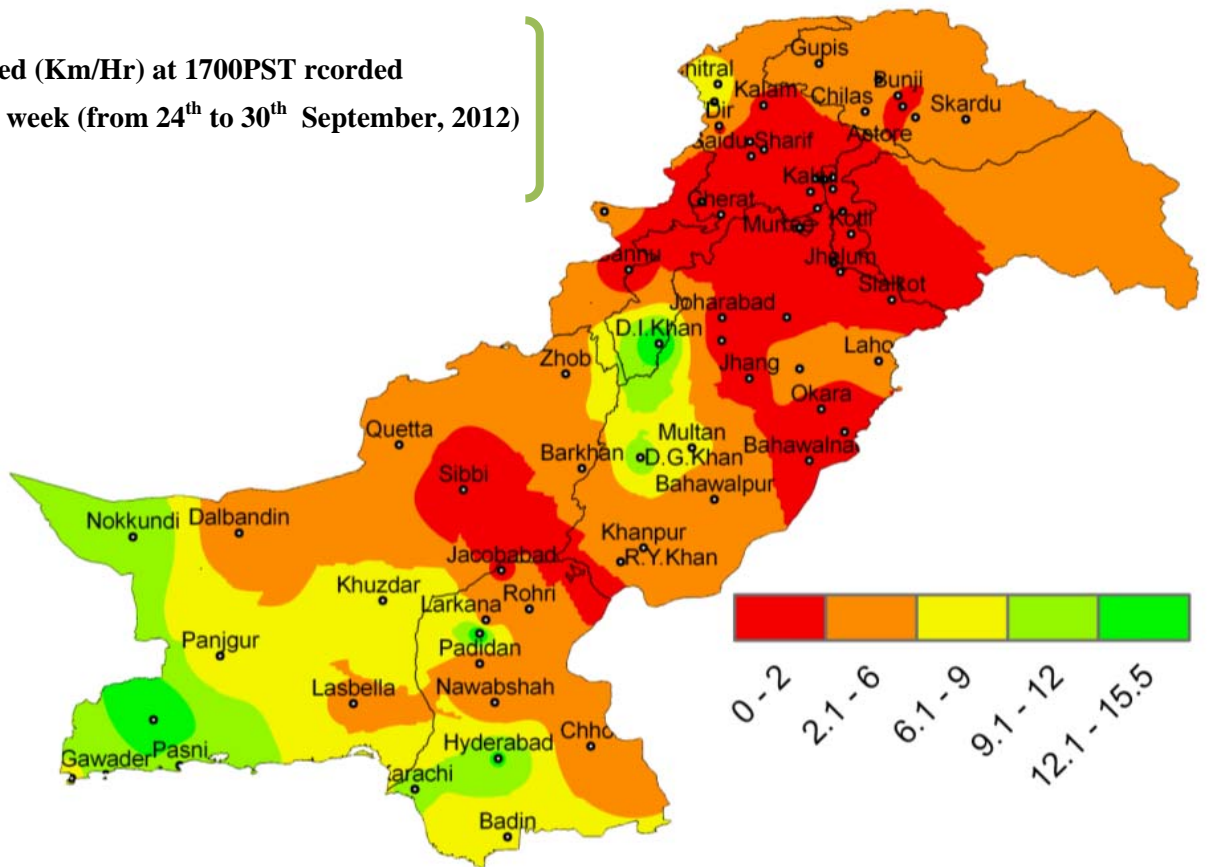
Mean Cloudiness (Oktas) at 1700PST during the last week (from 24<sup>th</sup> to 30<sup>th</sup> September, 2012)



Mean wind speed (Km/Hr) at 0800PST rcordeed during the last week (from 24<sup>th</sup> to 30<sup>th</sup> September, 2012)



Mean wind speed (Km/Hr) at 1700PST rcordeed during the last week (from 24<sup>th</sup> to 30<sup>th</sup> September, 2012)





## **Weekly Weather advisory for Farmers (from 1<sup>st</sup> to 7<sup>th</sup> October, 2012)**

Weak seasonal low lies over Northeast Balochistan. Continental air would prevail over most parts of the country during the week.

### **Punjab including Islamabad**

Mainly dry weather is expected in most parts of the province. However rain/thunderstorm is likely at isolated places of upper Punjab on the weekend.

### **Khyber Pakhtunkhwa**

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

### **Baluchistan**

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

### **Sindh**

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

### **Kashmir**

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

### **Gilgit-Baltistan**

Mainly dry weather is expected in most parts of Gilgit-Baltistan during the week. However light rain is likely at isolated places of Gilgit-Baltistan during 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 24<sup>th</sup> to 30<sup>th</sup> September, 2012)

STATIONS	Min/Night Temperature (°C)		Growing Deg. Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Oktas) 0800 PST	Cloudiness (Oktas) 1700 PST	Wind Speed (Knots) 0800 PST	Wind Speed (Knots) 1700 PST
	Mean	Lowest							
Astore	5.2	4.0	54.2	45	0.1	2.3	4.9	0.0	2.3
Badin	25.2	24.5	171.6	68	0.0	0.8	0.9	5.0	6.0
Bahawalnagar	23.8	23.4	174.9	58	0.0	0.0	0.0	0.0	2.0
Bahawalpur	21.7	20.7	169.4	61	0.0	0.0	0.0	1.0	2.6
Balakot	13.9	13.4	119.1	64	0.0	0.2	0.4	0.3	0.3
Bannu	19.2	17.7	155.1	53	0.1	0.0	1.6	0.0	0.0
Barkhan	16.6	15.5	134.3	44	0.0	0.3	1.3	0.3	2.3
Bunji	16.5	13.0	***	53	0.0	2.7	5.6	0.0	2.0
Cheerat	16.9	14.0	117.8	59	5.0	0.3	2.1	1.7	1.7
Chhor	23.9	23.5	173.4	67	0.0	0.0	0.7	2.6	4.0
Chilas	17.3	11.5	134.7	28	0.0	1.7	4.1	1.0	2.3
Chitral	9.7	8.9	97.1	64	12.0	1.0	5.7	0.4	6.9
D.G Khan	23.2	22.0	169.0	66	1.0	0.0	0.4	3.6	10.1
D.I. Khan	22.0	21.5	164.9	64	0.0	0.0	0.0	0.8	14.4
Dalbandin	16.1	13.5	151.8	18	0.0	0.3	1.7	1.3	3.7
Dir	9.2	8.0	99.1	55	16.0	0.5	3.7	0.0	1.7
Drosh	11.4	9.0	107.8	34	3.1	0.5	5.9	0.0	7.7
Faisalabad	22.1	21.5	168.3	58	0.0	0.0	0.0	0.0	5.1
Garidopatta	14.6	14.0	130.8	61	0.0	0.0	0.0	0.0	0.0
Gawader	23.2	23.0	160.5	77	0.0	2.2	0.9	0.0	10.9
Gilgit	12.4	9.0	103.8	53	0.2	3.5	5.6	0.7	2.9
Gupis	8.4	8.0	69.8	55	4.0	1.2	5.0	1.6	2.9
Hyderabad	23.6	22.0	***	61	0.0	0.0	0.3	9.6	12.3
Islamabad	17.3	15.5	140.0	67	0.0	0.0	0.3	0.0	0.3
Jacobabad	26.1	25.5	176.3	72	0.0	0.0	0.0	0.5	1.4
Jhang	22.2	21.5	168.5	64	0.0	0.0	0.0	0.0	0.9
Jhelum	21.3	19.4	162.6	66	0.0	0.0	0.0	0.0	2.0
Jiwani	25.1	25	165.2	73	0.0	3.8	2.1	2.0	8.3
Joharabad	21.6	20.5	168.0	59	0.0	0.0	0.0	0.3	1.1
Kakul	12.9	12.5	110.6	64	1.0	0.3	1.1	0.0	0.9
Kalam	6.0	5.5	49.1	57	9.0	0.0	4.0	0.0	1.1
Karachi	26.0	25.5	171.7	72	0.1	3.4	3.0	6.8	9.1
Khanpur	22.7	22.0	169.6	65	0.0	0.0	0.3	0.7	2.0
Khuzdar	18.5	17.0	145.3	47	0.0	0.0	2.1	1.5	7.4

Kotli	18.5	17.8	144.5	60	0.0	0.0	0.0	2.3	0.6
Lahore	23.0	22.5	167.6	56	0.0	0.0	0.3	0.0	2.9
Larkana	23.9	22.0	173.0	66	0.0	0.0	0.6	1.4	3.1
Lasbella	23.1	22.0	173.8	59	4.0	1.2	1.3	0.4	5.7
Lower Dir	14.6	13.0	140.3	55	0.0	0.0	2.7	4.0	2.0
Malam Jabba	9.4	9.0	72.8	54	2.0	0.7	2.4	1.0	1.1
Mandibahudin	22.0	20.2	166.4	71	0.0	0.0	0.0	0.7	0.9
Mangla	20.5	18.3	159.9	67	0.0	0.0	0.3	0.0	0.0
Mir Khani	9.7	8.0	***	40	0.0	1.3	2.6	0.0	1.4
Multan	23.6	22.7	179.8	58	0.0	0.0	0.0	3.7	6.6
Murree	12.9	12.0	92.8	59	0.1	0.0	0.3	0.0	0.0
Muzaffarabad	17.3	17.0	144.6	59	4.0	0.3	1.6	0.7	0.0
Nawabshah	23.4	22.5	178.1	58	0.0	0.4	0.0	2.2	4.0
Nokkundi	21.7	21.1	***	11	0.0	0.0	1.9	2.5	11.1
Noorpurthal	22.3	21.5	176.5	59	0.0	0.0	0.4	0.0	0.9
Okara	22.5	22.0	170.3	64	0.0	0.0	0.0	0.0	0.0
Padidan	23.4	22.5	174.8	67	0.0	0.0	0.1	0.8	1.7
Panjgur	17.0	13.0	***	33	0.0	0.0	1.7	0.7	7.3
Parachinar	5.5	4.5	***	67	11.0	4.3	4.7	3.3	3.3
Pasni	23.1	22.5	***	80	0.0	3.0	1.0	2.0	11.4
Pattan	15.6	15.0	136.0	64	9.0	0.8	2.1	0.0	1.1
Peshawar	19.5	18.0	161.8	64	2.0	1.0	3.6	1.0	1.2
Quetta	8.8	7.0	***	19	0.0	0.0	0.1	0.0	3.1
R.Y.Khan	23.4	23.0	175.9	69	0.0	0.0	0.0	0.7	2.0
Rawalakot	10.1	9.5	90.8	66	0.0	0.0	0.0	0.0	0.0
Rohri	25.6	23.0	183.0	55	0.0	0.0	0.3	0.8	2.0
Sahiwal	20.5	19.8	160.4	67	0.0	0.0	0.0	0.0	0.6
Saidu Sharif	15.6	15.0	124.5	54	0.0	0.0	2.3	0.0	0.0
Sialkot	21.3	21.0	158.9	67	0.0	0.0	0.0	0.3	1.4
Sibbi	17.1	16.0	137.3	67	0.0	0.0	0.0	0.0	0.0
Skardu	7.5	6.1	69.2	50	2.1	3.8	5.4	0.0	4.6
Turbat	21.5	19.5	***	42	0.0	0.8	1.4	1.7	14.3
Zhob	17.7	17.0	154.8	24	0.0	0.0	0.9	4.0	5.0

\*\*\* Data not available