

Weekly Weather and Crop Bulletin for Pakistan

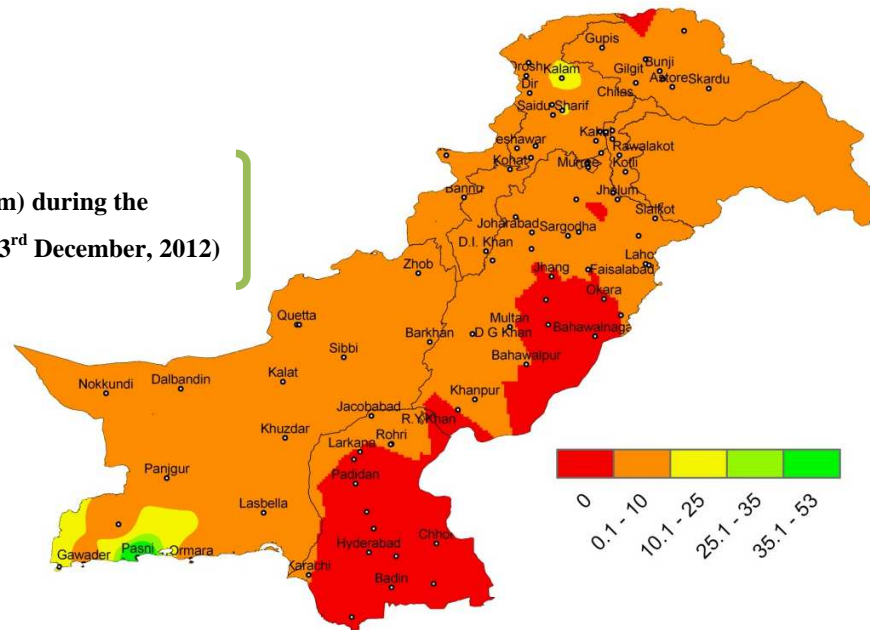
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Rainfall distribution (mm) during the
last week (from 17th to 23rd December, 2012)



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Highlights of Past Weather (17th to 23rd December, 2012)

Light to moderate rainfall reported from scattered places in the agricultural plains of Gilgit Baltistan & Kashmir, Khyber Pakhtunkwa and Balochistan provinces. However, rainfall in traces reported from scattered places of Punjab and a few places in Sindh province. Overall the weather remained cold during the week with foggy conditions in the plains located near big rivers.

Chief Editor: Dr. Khalid Mehmood Malik (Director)

Editor: Dildar Hussain Kazmi (Meteorologist)

Punjab

Rainfall in traces reported from scattered places of Punjab during the week. Weekly maximum temperature and minimum temperature recorded as 21.8°C & 8.3°C respectively. For the present season on average 63.2 growing degree days accumulated by the end of last week. Average relative humidity recorded as 67 % and wind speed in the morning/evening recorded as 0.6/1.1 Knots. During the previous week the highest rainfall as well as extreme minimum temperature recorded at Murree as 1.0 mm & -2.5°C respectively.

Sindh

Rainfall in traces reported from a single place Jacobabad during the week. Weekly maximum temperature and minimum temperature recorded as 25.5°C & 12.1°C respectively. For the present season on average 89.3 growing degree days accumulated by the end of last week. Average relative humidity recorded as 58 % and wind speed in the morning/evening recorded as 2.1/2.7 Knots. During the previous week the extreme minimum temperature recorded as 3.7°C at Mitthi.

Khyber Pakhtoon Khawa (KP)

Light to moderate rainfall reported from most of the agriculture plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 15.1°C & 3.3°C respectively. For the present season on average 31.7 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 2.1/1.2 Knots. During the previous week the highest rainfall recorded at Kalam as 14.0 mm and extreme minimum temperature recorded as -10.5°C at Parachinar.

Balochistan

Light to moderate rainfall reported from most of the agriculture plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 20.9°C & 6.6°C respectively. For the present season on average 55.8 growing degree days accumulated by the end of last week. Average relative humidity recorded as 56 % and wind speed in the morning/evening recorded as 1.9/3.2 Knots. During the previous week the highest rainfall recorded at Pasni as 53.0 mm and extreme minimum temperature recorded as -6.0°C at Kallat.

Gilgit Baltistan and Azad Jammu & Kashmir

Light rainfall reported from scattered places in the agriculture plains of the region during the week. Weekly maximum temperature and minimum temperature recorded as 12.9°C & 1.6°C respectively. For the present season on average 33.2 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 1.2/1.2 Knots. During the previous week the highest rainfall recorded at Pattan as 4.0 mm and extreme minimum temperature recorded as -15.3°C at Skardu.

Past Weather for Major Agricultural Plains (from 17th to 23th December, 2012)

Rawalpindi (Potohar region)

Rainfall recorded as trace during the last week with cloudiness in the morning/evening as 1.1/1.4 oktas while average relative humidity observed as 70%. Mean night temperature recorded as 5.1°C & for the present season 50.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.2 Km/h.

Faisalabad (Central Punjab)

No Rainfall recorded as during the last week with cloudiness in the morning/evening as 0.6/1.0 oktas while average relative humidity observed as 60%. Mean night temperature recorded as 6.3°C & for the present season 64.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.3/1.7 Km/h.

Tandojam (Lower Sindh)

Dry weather observed during the last week with cloudiness in the morning/evening as 0.9/1.0 oktas while average relative humidity observed as 80%. Mean night temperature recorded as 10.2°C & for the present season 95.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/0.3 Km/h.

Quetta (Northern Balochistan)

Rainfall recorded as 12.6 mm during the last week with cloudiness in the morning/evening as 1.7/1.8 oktas while average relative humidity observed as 75%. Mean night temperature recorded as 0.8°C & for the present season 6.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.0/5.7 Km/h.

Past Weather for sub regional Agri-cultural Plains (from 17th to 23th December, 2012)

Rohri

Dry weather with cloudiness recorded in the morning/evening as 2.6/1.1 oktas and average relative humidity recorded as 60%. Mean night temperature recorded as 11.4°C & for the present season 89.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.8/0.9 Knots.

Multan

Dry weather with cloudiness recorded in the morning/evening as 1.3/1.1 oktas and average relative humidity recorded as 65%. Mean night temperature recorded as 7.9°C & for the present season 72.2 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 0.9/0.6 Knots.

Lahore

Rainfall recorded as 0.1 mm during the last week with cloudiness recorded in the morning/evening as 1.7/1.0 oktas and average relative humidity recorded as 67%. Mean night temperature recorded as 7.6°C & for the present season 67.3 growing degree days accumulated by the end of last week. Wind recorded in the morning/evening as 0.3/3.4 Knots.

Zhob

Rainfall recorded as 6.0 mm during the last week with cloudiness recorded in the morning/evening as 0.8/1.1 oktas and average relative humidity recorded as 49%. Mean night temperature recorded as 1.0°C & for the present season 62.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.0/5.0 Knots.

D.I. Khan

Rainfall recorded as 0.1 mm during the last week with cloudiness recorded in the morning/evening as 0.7/1.1 oktas and average relative humidity recorded as 73%. Mean night temperature recorded as 5.4°C & for the present season 55.8 growing

degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.4 Knots.

Peshawar

Rainfall recorded as 3.0 mm during the last week with cloudiness recorded in the morning/evening as 1.6/2.6 oktas and average relative humidity recorded as 69%. Mean night temperature recorded as 6.5°C & for the present season 58.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.9/0.9 Knots.

Murree

Rainfall recorded as 1.0 mm during the last week with cloudiness recorded in the morning/evening as 1.3/1.7 oktas and average relative humidity recorded as 50%. Mean night temperature recorded as -1.0°C & for the present season 3.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/0.9 Knots.

Kalam

Rainfall recorded as 14.0 mm during the last week with cloudiness recorded in the morning/evening as 2.3/3.4 oktas and average relative humidity recorded as 73%. Mean night temperature recorded as -6.2°C & wind recorded in the morning/evening as Calm (no wind) Knots.

Gilgit.

Dry weather with cloudiness recorded in the morning/evening as 2.4/4.9 oktas and average relative humidity recorded as 66%. Mean night temperature recorded as -3.8°C & for the present season *** growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.0 Knots.

Skardu

Rainfall recorded as 0.1 mm during the last week, cloudiness recorded in the morning/evening as 2.9/4.4 Oktas and average relative humidity as 65%. Mean night temperature recorded as -8.6°C

and wind 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)

There is presently one crop (rainfed conditions) grown in the fields as detailed below.

Wheat (Chakwal-97): Good condition, at *Third Leaf* stage.

Central Punjab (Faisalabad)

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

Sugarcane: Good condition, *Third leaf* stage completed.

Wheat: Good condition, at *Third lea* stage.

Lower Sindh (Tandojam)

There is presently one crop (irrigated conditions) grown in the fields as detailed below.

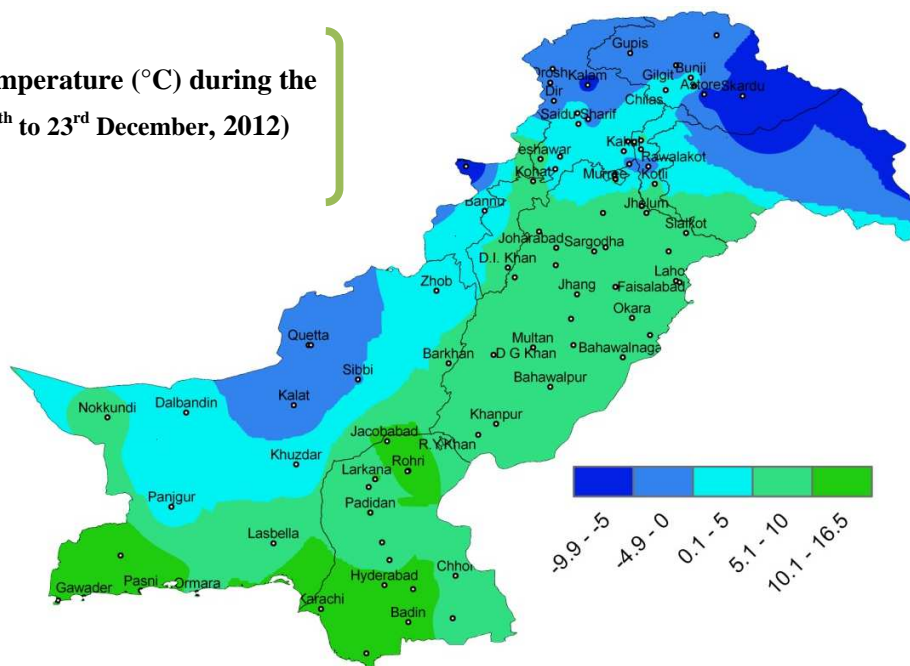
Wheat (TJ-83): Good condition, at *Tillering* stage.

Northern Balochistan (Quetta)

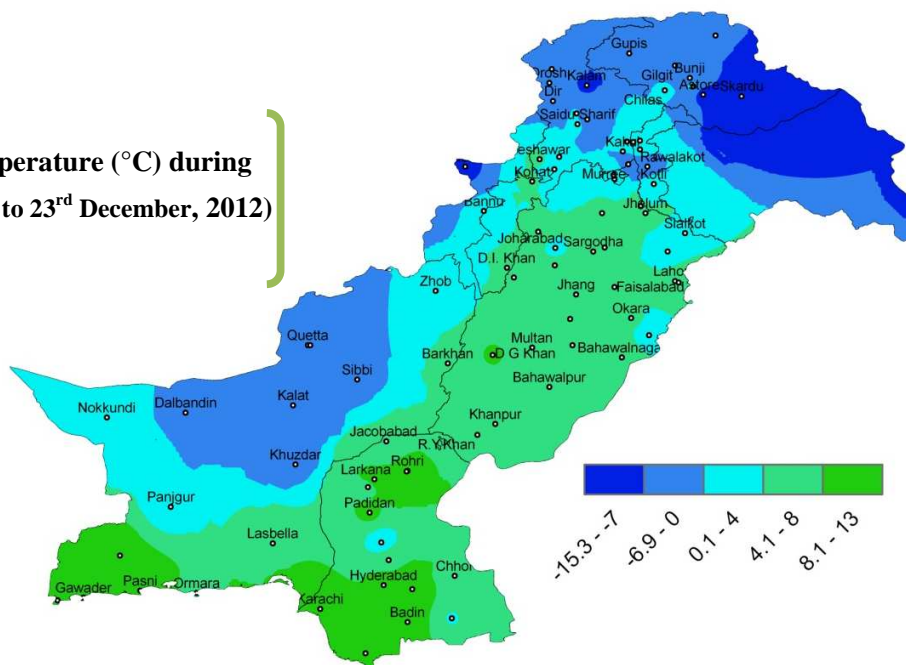
There is presently one crop (rainfed conditions) grown in the fields as detailed below.

Wheat: Good condition, at *Third leaf* stage.

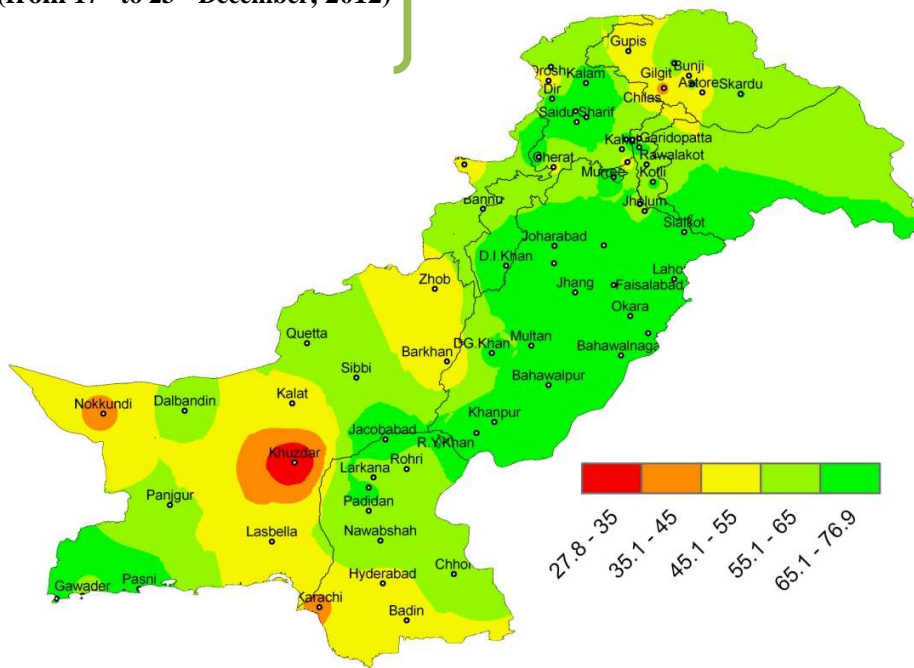
Mean minimum temperature (°C) during the last week (from 17th to 23rd December, 2012)



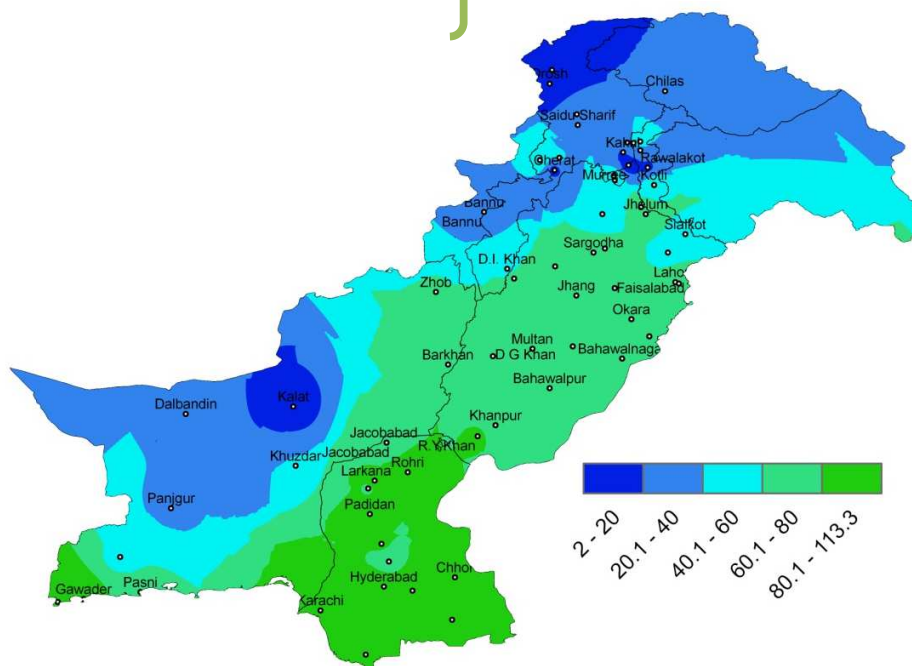
Extreme minimum temperature (°C) during the last week (from 17th to 23rd December, 2012)



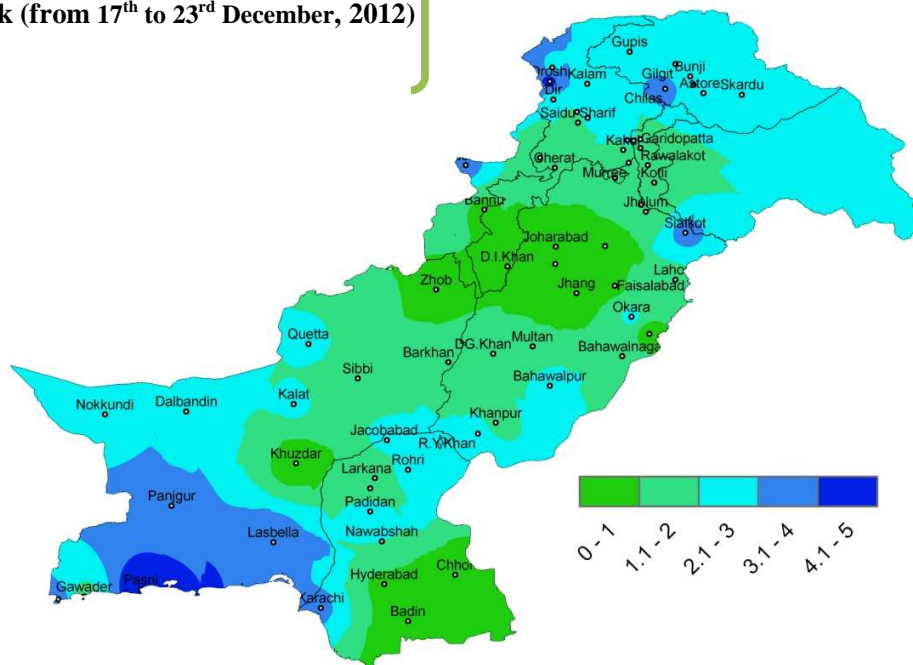
Mean relative humidity (%) during the last week (from 17th to 23rd December, 2012)



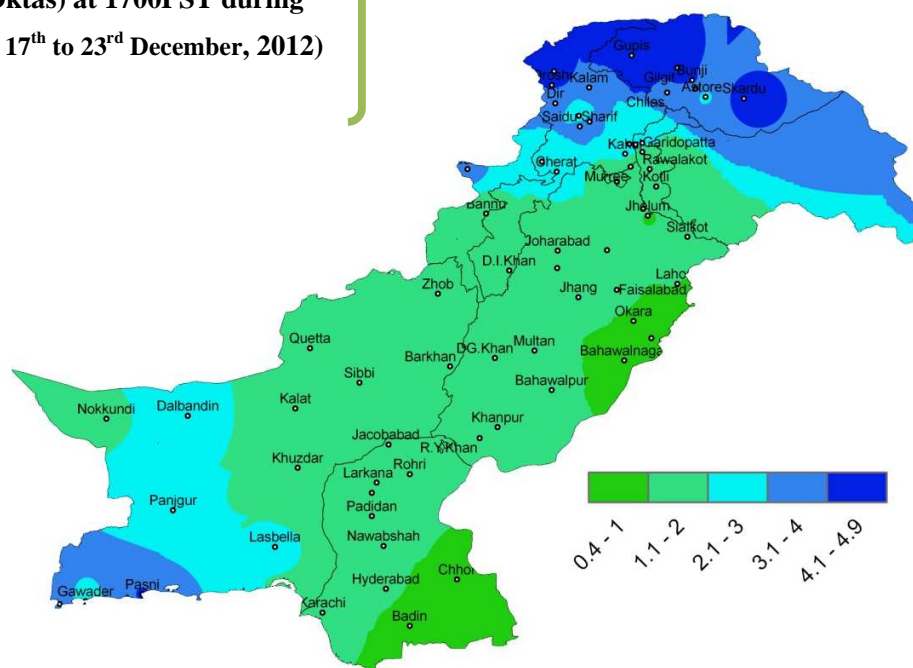
Total growing degree days accumulated during the last week (from 17th to 23rd December, 2012)



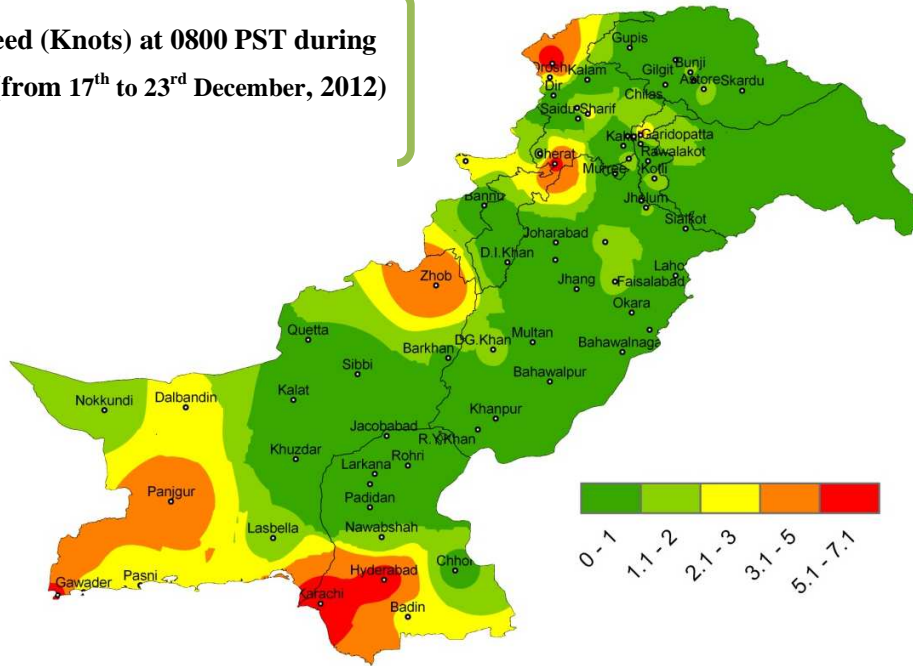
Mean Cloudiness (Oktas) at 0800PST during the last week (from 17th to 23rd December, 2012)



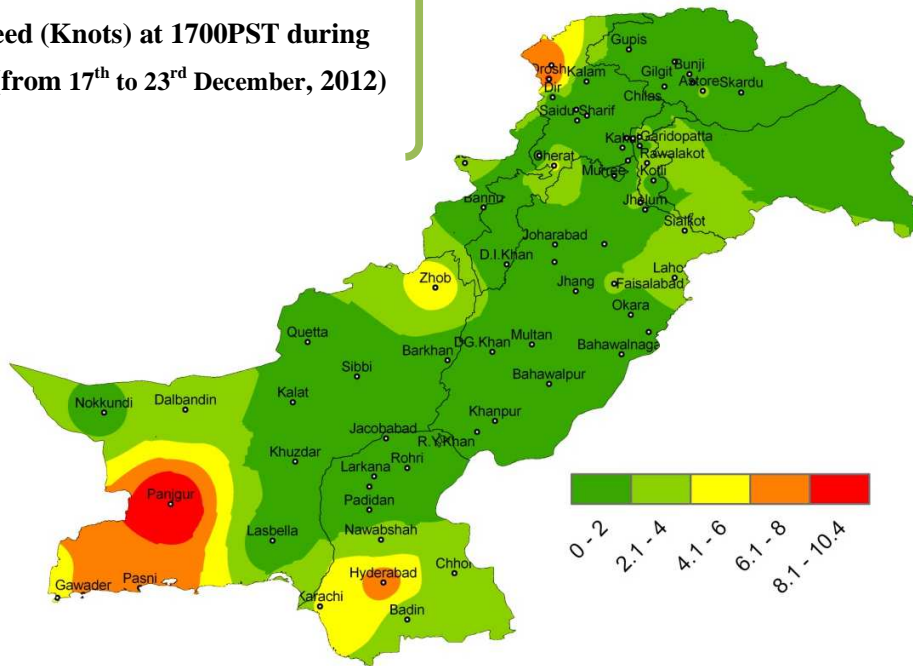
Mean Cloudiness (Oktas) at 1700PST during the last week (from 17th to 23rd December, 2012)



Mean wind speed (Knots) at 0800 PST during the last week (from 17th to 23rd December, 2012)



Mean wind speed (Knots) at 1700 PST during the last week (from 17th to 23rd December, 2012)



Weekly Weather advisory for Farmers (from 24th to 30th December, 2012)

A shallow trough of westerly wave is prevailing over Northern areas of the Country. However a fresh westerly wave is likely to affect western & upper parts of the Country on Wednesday night and likely to persist during next 03 days..

Punjab including Islamabad:

Mainly cold & dry weather is expected in most parts of the province during the week. Foggy conditions would prevail over plain areas of the province during late night/morning hours. However, rain (with snowfall over the hills) is likely at isolated places of Upper Punjab from Thursday to Saturday..

Khyber Pakhtunkhwa:

Mainly cold & dry weather is expected in most parts of the province during the week. However, light rain (with snowfall over the hills) is likely in Malakand Division on Monday. Foggy conditions would prevail over Peshawar divisions during late night/morning hours. While rain (with snowfall over the hills) is expected at Scattered places of Upper KP from Wednesday (night) to Saturday.

Balochistan:

Mainly cold & dry weather is expected in most parts of the province during the week. However, rain (with snowfall over the hills) is likely at a few places of Northeast Balochistan on Thursday/Friday.

Sindh:

Mainly cold & dry weather is expected in most parts of the province during the week. Foggy conditions would prevail over Sukkur division during late night/morning hours.

Kashmir:

Very Cold & Dry weather is expected in most parts of Kashmir during the week. However rain (with snowfall over the hills) is likely to occur at

Scattered places of Kashmir from Wednesday (night) to Saturday.

Gilgit-Baltistan:

Very Cold & dry weather is expected in most parts of Gilgit-Baltistan during the week. However, light rain (with snowfall over the hills) is likely in GB on Monday. While, rain (with snowfall over the hills) is expected at scattered places of GB from Wednesday (night) to Saturday.

Advices for Crops:

Sugarcane: Farmers are advised to manage irrigation practices as per weather prediction 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.

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.

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

STATIONS	Minimum/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 Min							
Astore	-7.7	-11.5	***	53	0.0	2.1	2.9	1.4	2.3
Badin	12.8	11.0	***	54	0.0	0.0	0.5	2.5	2.7
Bahawalnagar	8.6	6.8	75.2	66	0.0	1.6	0.7	0.0	1.1
Bahawalpur	7.1	5.4	75.7	65	0.0	2.4	1.1	0.0	0.0
Balakot	2.1	0.8	33.4	66	3.0	3.0	2.7	0.4	0.0
Bannu	3.3	2.0	54.6	59	0.0	0.7	1.0	0.0	0.0
Barkhan	5.3	4.5	61.3	45	0.0	1.2	1.1	0.8	1.1
Bunji	0.7	-1.7	***	50	0.0	2.6	4.3	1.4	1.1
Cherat	2.8	1.0	13.3	53	0.0	1.7	2.1	5.7	4.3
Chhor	8.1	5.2	94.3	57	0.0	0.5	0.4	0.5	2.6
Chilas	2.3	1.0	22.4	43	1.2	3.4	3.6	0.3	1.1
Chitral	0.1	-1.7	5.8	58	6.0	2.7	4.6	7.1	7.1
D G Khan	9.7	8.3	78.9	67	0.1	1.3	1.0	1.1	1.1
D.I. Khan	5.4	4.0	55.8	73	0.1	0.7	1.1	0.3	1.4
Dalbandin	1.1	-1.5	36.3	59	1.0	3.0	2.7	2.4	2.9
Dir	-2.8	-3.6	***	68	8.0	2.4	3.4	0.0	1.1
Drosh	-1.2	-3.3	4.0	44	3.0	4.5	4.0	2.3	8.4
Faisalabad	6.7	5.0	64.6	67	0.0	0.9	1.1	1.4	2.3
Garidopatta	1.7	1.0	36.4	76	1.0	1.1	1.4	0.0	0.3
Gawader	13.0	12.8	95.4	61	0.0	1.4	2.7	2.4	7.1
Gilgit	-3.8	-6.0	***	66	0.0	2.4	4.9	0.0	0.0
Gupis	-3.7	-6.0	***	50	0.0	2.6	4.7	0.9	1.4
Hyderabad	12.0	9.5	95.5	52	0.0	0.8	1.1	6.5	7.4
Islamabad	3.4	1.5	50.1	70	0.0	1.7	1.7	0.0	0.6
Jacobabad	10.3	4.0	83.8	73	0.1	2.3	1.6	0.0	0.6
Jhang	5.4	4.7	64.3	74	0.0	0.0	1.1	0.0	0.3
Jhelum	6.8	4.4	67.2	65	0.0	1.0	0.7	1.1	0.9
Jiwani	16.5	13.0	107.2	77	21.0	3.5	3.4	5.5	4.0
Joharabad	5.1	3.5	64.4	76	0.0	0.0	1.1	0.3	0.9
Kakul	0.4	0.0	18.8	61	1.0	1.1	2.0	0.0	0.3
Kalam	-6.2	-8.5	***	73	14.0	2.3	3.4	0.0	0.0
KLT	-2.7	-6.0	2.0	51	0.0	2.2	1.1	0.8	2.0
Karachi	14.0	11.5	113.3	44	0.0	3.2	1.7	6.0	4.0
Khanpur	6.4	5.0	73.6	68	0.0	1.9	1.9	0.0	0.0
Khuzdar	1.3	-2.0	40.3	28	1.0	0.4	1.3	0.0	0.9
Kotli	5.6	3.4	61.4	66	0.1	1.1	1.9	1.3	1.4

Lahore	7.6	6.0	67.3	67	0.1	1.7	1.0	0.3	3.4
Larkana	10.3	9.5	84.9	60	0.0	1.0	1.0	0.8	1.4
Lasbella	9.5	7.5	***	51	0.1	4.0	2.2	1.6	1.0
Lower Dir	2.8	0.5	30.8	71	1.0	2.0	2.3	1.4	1.4
M.B.din	7.3	5.3	64.4	71	0.0	0.3	1.3	1.1	1.4
Malam Jabba	-2.0	-6.0	***	68	13.0	2.9	3.1	2.6	1.1
Mangla	6.1	4.4	62.3	64	0.0	1.7	1.7	0.6	2.9
Mir Khani	2.6	1.7	***	57	6.0	2.7	3.0	0.0	0.9
Moen-Jo-Daro	8.1	7.0	78.4	68	0.0	1.0	1.3	0.0	1.1
Multan	7.9	7.0	72.2	65	0.0	1.3	1.1	0.9	0.6
Murree	-1.0	-2.5	3.3	50	1.0	1.3	1.7	2.0	0.9
Muzaffarabad	2.9	2.0	42.0	71	1.0	1.9	2.3	0.3	0.0
Nawabshah	8.0	0.7	82.0	63	0.0	2.0	1.4	1.0	3.0
Nokkundi	5.5	3.9	***	44	7.0	2.4	1.9	1.2	1.4
Noorpurthal	6.1	4.5	67.9	72	0.0	0.0	1.1	0.0	0.6
Okara	6.5	4.5	66.6	73	0.0	2.3	1.0	0.0	1.1
Padidan	10.1	9.0	86.0	65	0.0	3.0	1.6	0.5	1.1
Panjgur	2.9	0.5	35.0	55	3.0	3.4	2.0	4.4	10.4
Parachinar	-9.9	-10.5	***	52	0.0	3.5	3.6	3.0	3.0
Pasni	15.3	13.0	67.0	69	53.0	5.0	4.0	2.0	6.0
Pattan	6.6	4.0	46.0	49	1.0	1.9	2.3	4.3	4.3
Peshawar	6.5	5.0	58.3	69	3.0	1.6	2.6	0.9	0.9
Quetta	-1.8	-2.0	***	63	0.0	2.2	2.0	1.0	2.0
R.Y.Khan	8.1	6.6	81.9	71	0.0	2.3	1.6	0.9	1.1
Rawalakot	-2.0	-4.0	15.6	58	0.1	1.1	1.6	0.0	4.0
Rohri	11.4	10.0	89.8	60	0.0	2.6	1.1	0.8	0.9
Sahiwal	5.8	2.5	61.8	69	0.0	0.4	0.6	0.9	0.9
Saidu Sharif	3.1	2.0	31.3	67	1.0	1.1	3.4	0.0	0.0
Sialkot	6.1	3.8	55.8	74	0.1	3.4	1.1	0.0	2.7
Sibbi	-0.1	-1.7	***	61	0.1	1.2	1.3	0.0	0.0
Skardu	-8.6	-15.3	***	65	0.1	2.9	4.4	0.0	0.0
Zhob	1.0	0.0	62.3	49	6.0	0.8	1.1	5.0	5.0

*** Data Not available