

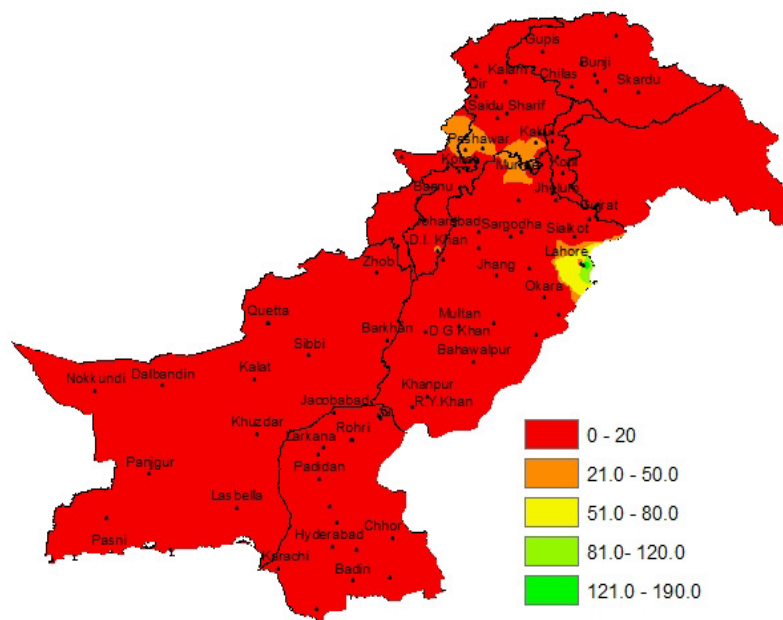
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall Distribution (mm) during the
Previous Week (From 17th to 23rd August, 2015)**



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Highlights of Past Weather (From 17th to 23rd August, 2015)

Mainly normal day time temperature was reported in most parts of the country during the week.

Province wise distribution of rainfall reported as follows:

- Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa, Punjab, Gilgit-Baltistan & Kashmir regions
- Light rainfall reported at isolated places in Balochistan and Sindh.

Patron-in-Chief: Dr. Ghulam Rasul (Director General)

Chief Editor: Ch. Muhammad Aslam (Director)

Editor: Asma Jawad Hashmi (Deputy Director)

Past Weather of Provinces (From 17th to 23rd August, 2015)**Punjab**

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 34.4°C & 25.8°C respectively. For the present season average 156.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 42% and wind speed in the morning/evening 2.1/2.5 Knots. During the previous week the highest amount of rainfall was recorded 196.0 mm at Lahore & highest maximum temperature was recorded 39.0°C at Khanpur.

Sindh

Light rainfall reported at isolated places in Sindh during the week. Weekly maximum and minimum temperatures recorded 36.3°C & 26.2°C respectively. For the present season average 157.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 42% and wind speed in the morning/evening recorded 6.9/5.6 Knots. During the previous week the highest amount of rainfall was recorded 1.6mm at Karachi & highest maximum temperature was recorded 41.5°C at Nawabshah.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light to moderate rainfall reported at many places in Gilgit-Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 34.2°C & 19.1°C respectively. For the present season average 102.7 growing degree days accumulated by the end of last week. Average relative humidity recorded 36% and wind speed in the morning/evening recorded 0.9/2.3 Knots. During the previous week the highest amount of rainfall was recorded 32.8mm at Garhi Dopatta & highest maximum temperature was recorded 40.6°C at Chilas.

Balochistan

Light rainfall reported at isolated places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 36.8°C & 22.9°C respectively. For the present season average 137.7 growing degree days accumulated by the end of last week. Average relative humidity recorded 32% and wind speed in the morning/evening recorded 1.7/4.5 Knots. During the previous week the highest amount of rainfall was recorded 18.0mm at Sibbi & highest maximum temperature was recorded 45.0°C at Dalbandin.

Khyber Pakhtunkhwa

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 31.9°C & 20.3°C respectively. For the present season average 116.0 growing degree days accumulated by the end of last week. Average relative humidity recorded 40% and wind speed in the morning/evening recorded 1.3/2.4 Knots. During the previous week the highest amount of rainfall was recorded 62.0 mm at Peshawar & highest maximum temperature was recorded 40.3°C at Bannu.

**Past Weather for Major Agricultural Plains
(From 17th to 23rd August, 2015)**

Rawalpindi (Potohar region)

Rainfall reported as 32.5mm during the week; however cloudiness in the morning/evening recorded 3.2/4.4 Oktas while, average relative humidity observed as 59%. Mean day time temperature recorded 34.6°C & for the present season 174.9 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.8/1.5 Knots.

Faisalabad (Central Punjab)

Rainfall reported as 4.0mm during the week; however cloudiness in the morning/evening recorded 2.3/4.3 Oktas while, average relative humidity observed as 69%. Mean day time temperature recorded 38.0°C & for the present season 187.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.3/2.2 Knots.

Quetta (Northern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/2.0 Oktas while, average relative humidity observed as 19%. Mean day time temperature recorded 35.3°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 2.0/3.1 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.6/0.9 Oktas while, average relative humidity observed as 66%. Mean day time temperature recorded 37.2°C & for the present season 191.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.0/3.4 Knots.

Tandojam (Lower Sindh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.7/1.4 Oktas while, average relative humidity observed as 70%. Mean day time temperature recorded 35.4°C & for the present season 178.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 5.6/7.2 Knots.

**Past Weather for Sub-Regional Agricultural
Plains (From 17th to 23rd August, 2015)**

Multan

Rainfall reported as 5.0mm during the week; however cloudiness in the morning/evening recorded 1.3/1.3 Oktas while, average relative humidity observed as 43%. Mean day time temperature recorded 36.0°C & for the present season 170.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 8.0/6.0 Knots.

Rohri

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 1.3/0.0 Oktas while, average relative humidity observed as 35%. Mean day time temperature recorded 39.5°C & for the present season 172.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.7/3.3 Knots.

Lahore

Rainfall reported as 196.0mm during the week; however cloudiness in the morning/evening recorded 1.0/6.5 Oktas while, average relative humidity observed as 41%. Mean day time temperature recorded 35.5°C & for the present season 157.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.3 Knots.

Zhob

Rainfall reported as 4.0mm during the week; however cloudiness in the morning/evening recorded 1.0/1.2 Oktas while, average relative humidity observed as 39%. Mean day time temperature recorded 36.9°C & for the present season 142.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.3/5.0 Knots.

D.I. Khan

Rainfall reported 39.0mm during the week; however cloudiness in the morning/evening recorded 3.0/0.8 Oktas while, average relative humidity observed as 44%. Mean day time temperature recorded 36.6°C & for the present season 143.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/0.3 Knots.

Peshawar

Rainfall reported as 54.0mm during the week; however cloudiness in the morning/evening recorded 5.3/1.5 Oktas while, average relative humidity observed as 43%. Mean day time temperature recorded 35.3°C & for the present season 139.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.3/1.7 Knots.

Murree

Rainfall reported as 39.0mm during the week; however cloudiness in the morning/evening recorded 4.2/7.3 Oktas while, average relative humidity observed as 42%. Mean day time temperature recorded 23.2°C & for the present season 88.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.7/0.7 Knots.

Kalam

Rainfall reported as 8.5mm during the week; however cloudiness in the morning/evening recorded 2.3/4.3 Oktas while, average relative humidity observed as 42%. Mean day time temperature recorded 26.1°C & for the present season 61.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 11.7/1.0 Knots.

Gilgit

Rainfall reported as 0.6mm during the week; however cloudiness in the morning/evening recorded 1.5/3.7 Oktas while, average relative humidity observed as 44%. Mean day time temperature recorded 34.5°C & for the present season 100.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.3 Knots.

Skardu

Rainfall reported as 11.0mm during the week; however cloudiness in the morning/evening recorded 2.8/3.8 Oktas while, average relative humidity observed as 29%. Mean day time temperature recorded 31.3°C & for the present season 76.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.8 Knots.

Crop Situation for Major Agricultural Plains
(Based on Data from Regional Agromet Centers)

Potohar Region (Rawalpindi)

There is presently no crop grown in the fields of RAMC Rawalpindi.

Central Punjab (Faisalabad)

There is presently one crop (irrigated condition) grown in the fields of RAMC Faisalabad.

Cotton: Very good condition at *Boll opening* stage.

Lower Sindh (Tandojam)

There is presently one crop (irrigated condition) grown in the fields RAMC Tandojam.

Cotton: Good condition at *Boll opening* stage.

Northern Balochistan (Quetta)

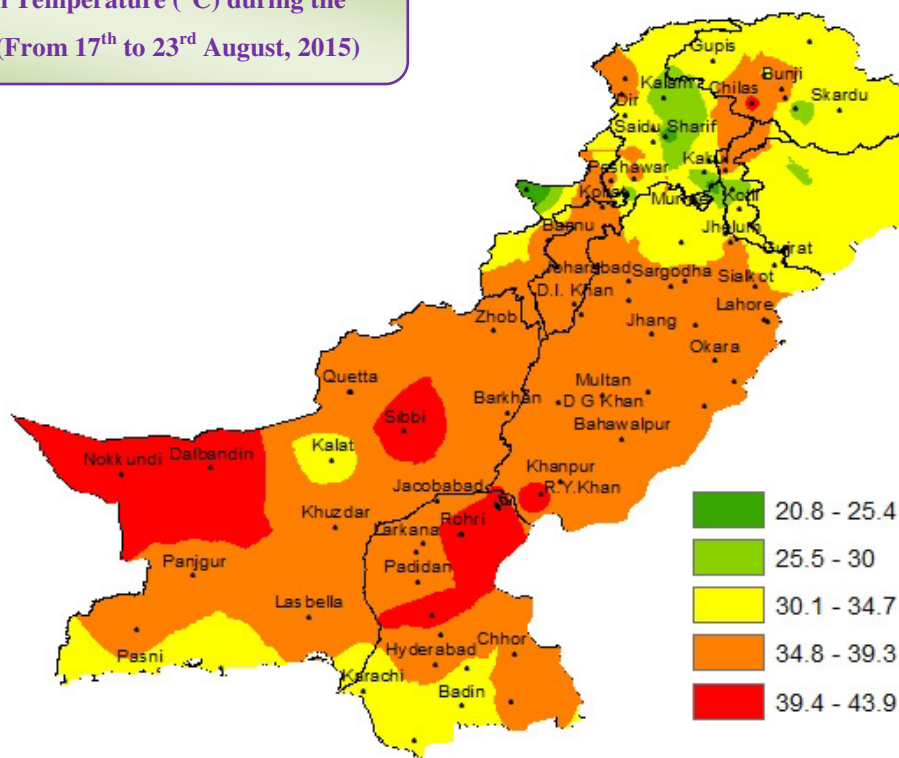
There is presently no crop grown in the fields of RAMC Quetta.

Eastern Balochistan (Usta Muhammad)

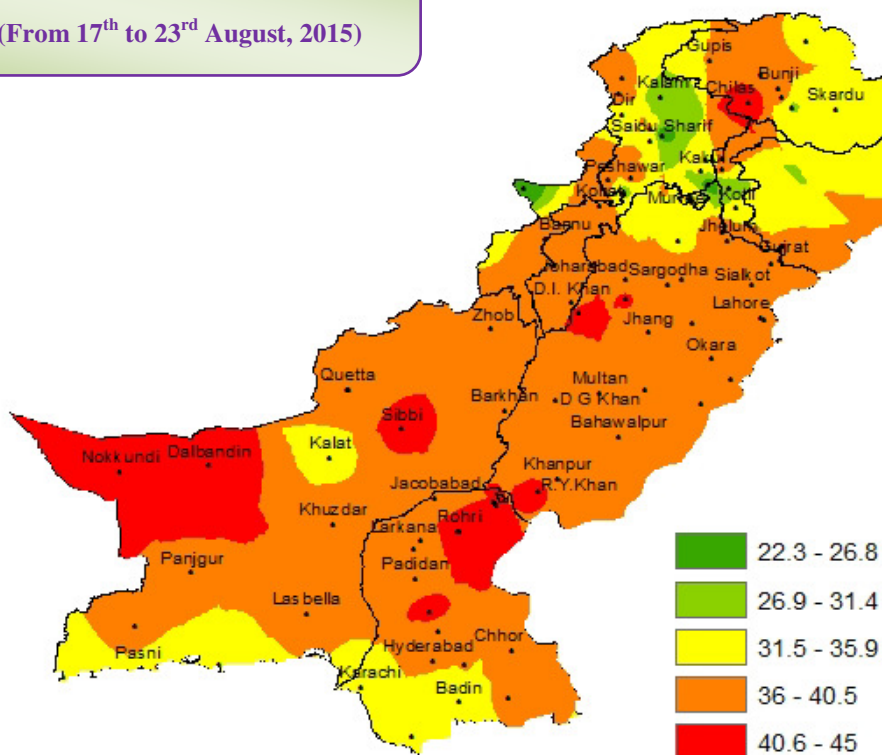
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Rice: Good condition at *Tillering* stage.

Mean Maximum Temperature (°C) during the
Previous Week (From 17th to 23rd August, 2015)



Highest Maximum Temperature (°C) during the
Previous Week (From 17th to 23rd August, 2015)



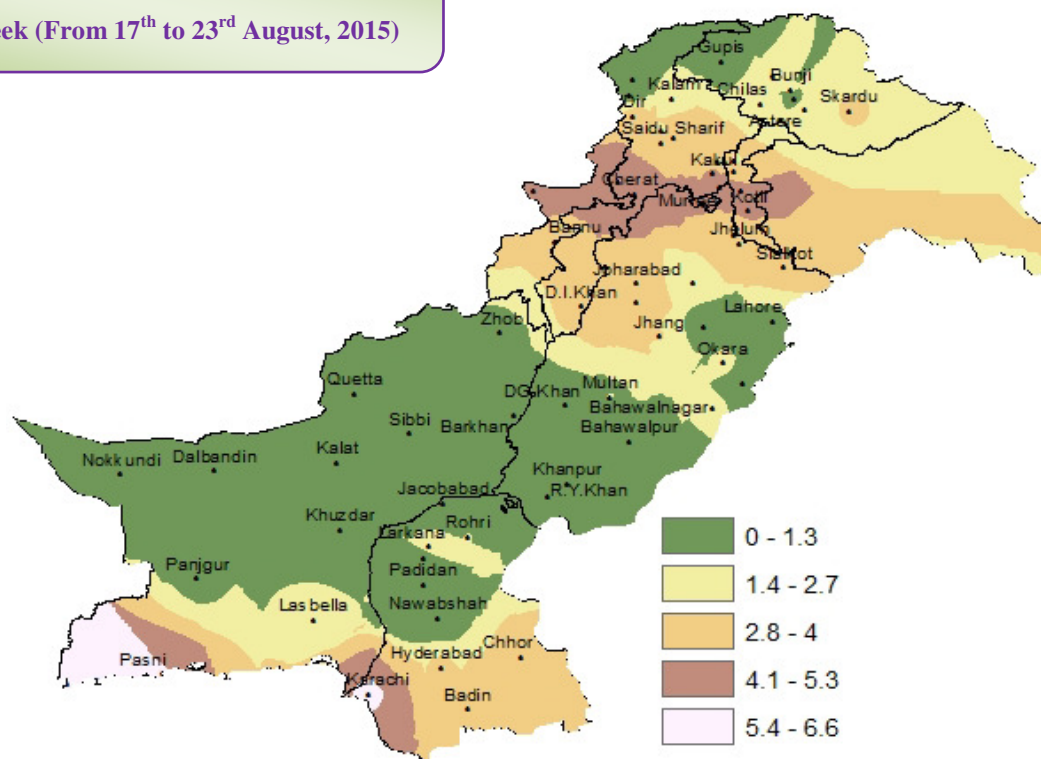
Degree Days accumulated during the
From 17th to 23rd August, 2015)

58.8 - 86
86.1 - 113.1
113.2 - 140.3
140.4 - 167.5
167.6 - 194.6

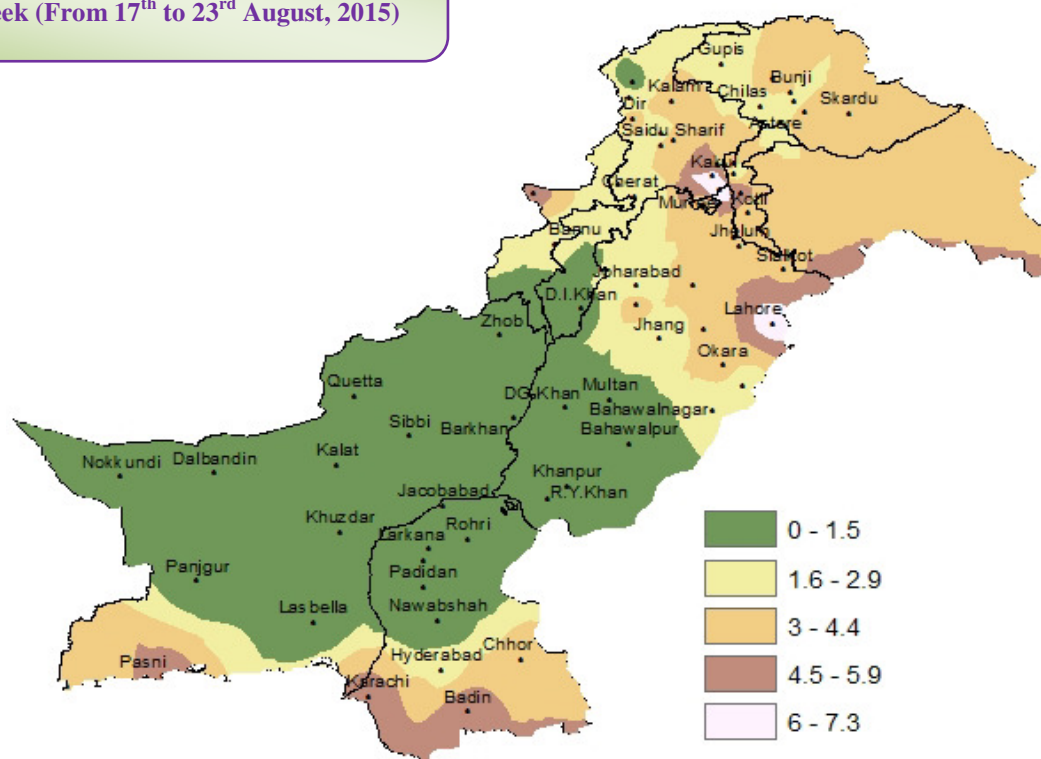
Map of Pakistan showing the spatial distribution of the number of dengue cases from 17th to 23rd August, 2015. The map is color-coded into five categories: 0-4.1 (dark red), 4.2-8.1 (light red), 8.2-12.2 (yellow), 12.3-16.3 (light blue), and 16.4-20.3 (dark blue). Major cities labeled include Karachi, Hyderabad, Lahore, and others. A legend in the bottom right corner provides the numerical ranges for each color.

Map of Pakistan showing the distribution of dengue fever cases by district for the period from 17th to 23rd August, 2015. The map is color-coded into five categories: 0-2.5 (dark blue), 2.6-4.9 (light blue), 5-7.4 (yellow), 7.5-9.8 (orange), and 9.9-12.3 (red). Major cities like Karachi, Lahore, and Islamabad are marked. The highest case counts are concentrated in the southern coastal regions, particularly around Karachi and Hyderabad.

Mean Cloudiness (Oktas) at 0800PST during the
Previous Week (From 17th to 23rd August, 2015)



Mean Cloudiness (Oktas) at 1700PST during the
Previous Week (From 17th to 23rd August, 2015)



Weekly Weather Advisory for Farmers
(From 24th to 29th August, 2015)

Seasonal low lies over west Baluchistan and adjoining area with its trough extending eastwards. Monsoon currents are penetrating into upper parts of the country. A westerly wave is also present over upper parts of the country and likely to persist there till Monday.

MONDAY
24-08-2015

Rain-thundershower is expected at scattered places in upper KP (Malakand, Hazara, Peshawar, Mardan, Kohat divisions), upper Punjab (Rawalpindi, Gujranwala, Lahore, Sargodha divisions), Islamabad, upper FATA and Kashmir, while at isolated places in Bannu, D.I Khan, Zhob, Faisalabad, Sahiwal divisions and Gilgit-Baltistan. Isolated heavy falls are also expected in Rawalpindi, Gujranwala, Lahore, and Peshawar, Mardan, Malakand and Hazara divisions. Hot and humid weather is likely elsewhere in the country.

TUESDAY
25-08-2015

Rain-thundershower is expected at isolated places in Hazara, Peshawar, Bannu, Kohat, Rawalpindi divisions, Islamabad, upper FATA, and Kashmir. Hot and Humid weather is expected in other parts of the country.

WEDNESDAY
26-08-2015

Mainly hot and humid weather expected in most parts of the country, however, rain-thundershower is expected at isolated places in Hazara, Peshawar, Rawalpindi, Gujranwala, Lahore divisions, upper FATA and Kashmir.

THURSDAY
27-08-2015

Rain-thundershower is expected at isolated places in Hazara, Peshawar, Rawalpindi, Sargodha, Gujranwala, Lahore divisions, Islamabad, upper

FATA and Kashmir. Hot and humid weather is expected elsewhere in the country.

FRIDAY
28-08-2015

Mainly hot and humid weather expected in most parts of the country, however, rain-thundershower is expected at isolated places in Hazara, Rawalpindi, Gujranwala, Lahore divisions and Kashmir.

SATURDAY
29-08-2015

Mainly hot and humid weather expected in most parts of the country, however, rain-thundershower is expected at isolated places in Hazara, Rawalpindi, Gujranwala, Lahore divisions and Kashmir.

ADVISES FOR CROPS

Cotton: Farmers are advised to manage irrigation practices as per weather prediction during the week.

General Information

- Pest/viral attacks and more weeds growth are expected after heavy rains in cotton and other standing crops in upper parts of the country. Farmers are therefore advised to take in time precautionary measures in this regard.
- Farmers of cotton, sugarcane, rice and other standing crops are advised to be aware of the adverse effects of stagnant water in the fields. Mechanism for drainage of stagnant water from fields should be evolved on priority basis and necessary requirements in this regard should be taken.
- Weather forecast should be kept in mind before spraying chemicals.

National Weather Data of Selected Cities
(Weekly Data from 17th to 23rd August, 2015)

Stations	Maximum/Day time 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	27.7	30.5	73.0	33	20.8	2.0	3.5	1.0	2.3
Badin	33.0	34.0	162.9	44	0.0	3.3	5.3	5.0	8.7
Bahawalnagar	37.5	38.5	194.8	38	7.0	1.5	2.0	2.3	1.0
Bahawalpur	37.0	37.5	161.9	40	0.0	0.8	0.2	7.0	2.7
Balakot	33.6	35.0	125.1	42	7.2	3.2	3.8	0.0	5.8
Bannu	36.4	40.3	119.1	39	31.0	3.2	1.5	0.0	4.2
Barkhan	36.0	37.0	156.0	35	1.0	0.0	0.7	0.0	1.3
Bunji	35.7	37.2	137.4	26	12.3	1.4	3.0	1.6	0.8
Cherat	27.8	30.0	101.0	34	18.0	4.3	2.8	2.7	2.3
Chhor	34.7	36.0	159.6	46	0.0	3.6	3.5	6.4	7.0
Chilas	39.7	40.6	144.5	23	1.0	2.2	2.3	2.0	4.0
Chitral	35.5	37.1	123.5	49	14.9	0.0	1.0	0.0	3.0
D.I.Khan	36.6	39.5	143.0	44	39.0	3.0	0.8	0.3	0.3
Dalbandin	43.9	45.0	156.0	12	0.0	0.0	0.0	0.0	3.3
DG.Khan	37.1	38.2	169.3	40	16.0	0.8	1.3	2.0	4.7
Dir	32.3	34.0	90.5	44	34.0	3.5	3.3	0.0	1.7
Drosh	35.8	37.5	123.8	36	2.6	0.8	1.8	0.0	9.0
Faisalabad	38.0	38.5	187.3	69	4.0	2.3	4.3	1.3	2.2
Garidopatta	35.1	36.5	136.5	40	32.8	3.8	2.2	0.0	3.3
Gawader	33.1	33.5	155.3	43	0.0	5.5	3.8	0.0	7.0
Gilgit	34.5	38.2	100.7	44	0.6	1.5	3.7	0.0	2.3
Gupis	32.8	36.0	103.5	28	0.0	0.7	2.0	1.7	2.0
Hyderabad	35.3	36.0	158.6	52	0.0	2.8	2.5	20.3	12.3
Islamabad	33.8	35.5	146.1	43	46.0	4.0	3.2	0.3	6.7
Jacobabad	36.6	37.5	175.0	35	0.0	0.0	0.0	2.0	1.7
Jhang	37.0	37.5	162.8	41	19.6	2.7	1.8	0.3	0.7
Jhelum	35.0	38.5	160.3	44	25.9	3.5	4.2	1.0	2.0

Jiwani	32.1	32.5	145.5	43	0.0	6.7	3.0	4.0	7.7
Joharabad	35.4	37.5	159.5	42	0.1	2.8	1.7	1.7	2.0
Kakul	29.8	32.0	103.9	43	51.8	4.2	6.3	0.0	1.7
Kalam	26.1	28.0	61.8	42	8.5	2.3	4.3	11.7	1.0
Kalat	33.0	34.0	96.0	15	0.0	0.0	0.0	0.0	0.0
Karachi	31.9	33.5	157.0	48	1.6	5.5	5.0	13.3	11.7
Khanpur	35.9	39.0	170.1	41	0.0	0.3	0.0	3.0	2.7
Khuzdar	38.4	39.0	143.3	13	0.0	0.0	0.0	3.0	0.3
Kotli	32.4	33.6	141.6	41	16.0	4.2	3.5	2.2	1.8
Lahore	35.5	38.0	157.2	41	196.0	1.0	6.5	0.3	1.3
Larkana	37.8	38.5	167.9	40	0.0	2.0	0.0	5.7	4.0
Lasbella	38.1	38.5	140.8	42	0.0	1.8	0.5	0.0	6.3
Lower Dir	35.4	37.0	147.4	40	2.0	2.3	1.8	0.3	2.0
M.B Din	35.3	38.5	158.6	41	17.8	1.8	3.4	0.0	0.0
Malam Jabba	21.2	22.0	78.0	42	18.0	3.7	3.8	0.0	0.0
Mangla	34.3	36.5	146.2	45	11.8	3.5	4.3	1.3	5.0
Mir Khani	35.8	37.3	123.4	28	18.0	1.0	2.2	0.5	0.7
Moinjodaro	37.1	39.0	180.5	39	0.0	0.6	0.0	4.4	4.0
Multan	36.0	37.0	170.3	43	5.0	1.3	1.3	8.0	6.0
Murree	23.2	24.0	88.4	42	29.0	4.2	7.3	0.7	0.7
Muzaffarabad	33.2	34.5	127.1	44	22.1	4.0	4.8	1.2	1.7
Nawabshah	40.4	41.5	163.5	40	0.0	0.0	0.0	6.7	8.2
Nokkundi	43.2	44.5	170.3	10	0.0	0.0	0.0	4.8	8.0
Noorpurthal	39.0	41.0	141.8	42	13.8	3.8	3.7	0.8	1.0
Okara	38.0	39.5	167.0	39	12.6	1.6	4.0	0.7	0.7
Padidan	38.5	39.0	163.6	40	0.0	1.3	0.0	2.0	2.7
Panjgur	37.8	39.0	142.5	29	0.0	0.8	0.3	1.3	8.0
Parachinar	20.8	22.7	58.7	37	2.8	5.0	5.0	3.0	3.0
Pasni	31.5	32.5	138.8	49	0.0	5.3	5.0	2.0	9.3
Pattan	37.0	38.5	145.0	40	15.0	2.0	2.8	0.0	2.3
Peshawar	35.3	37.5	139.0	43	62.0	5.3	1.5	1.3	1.7

Quetta	35.3	36.4	157.7	19	0.0	0.0	2.0	2.0	3.1
R.Y.Khan	40.1	41.4	161.2	39	0.1	0.0	0.0	2.0	0.7
Rawalakot	27.2	28.0	70.2	48	8.0	4.2	5.0	0.0	2.3
Rohri	39.5	41.0	172.8	35	0.0	1.3	0.0	2.7	3.3
Rawalpindi	34.6	38.0	174.9	59	32.5	3.2	4.4	0.8	1.5
Sahiwal	35.6	37.0	149.9	41	7.0	0.5	1.7	2.0	1.7
Saidu Sharif	34.1	35.5	131.6	41	4.1	3.8	3.0	0.0	0.0
Sialkot	33.9	36.2	152.8	44	6.0	3.5	4.2	0.3	0.3
Sibbi	41.5	42.0	144.0	37	18.0	0.7	0.0	0.7	2.3
Skardu	31.3	35.4	76.7	29	11.0	2.8	3.8	0.0	2.8
Tandojam	35.4	36.0	178.5	70	0.0	1.7	1.4	5.6	7.2
Usta.M	37.2	38.0	191.0	66	0.0	0.6	0.9	2.0	3.4
Zhob	36.9	38.5	142.5	39	4.0	1.0	1.2	3.3	5.0

*** Shows the data is not available.