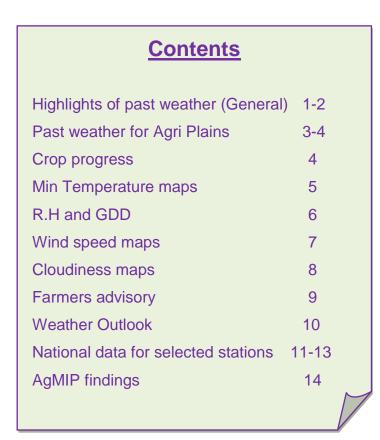
Weekly Weather and Crop Bulletin for Pakistan

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

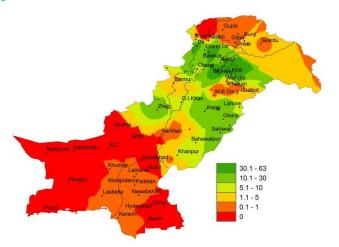
Phone: +92-51-9250299 Email: dirnamc@yahoo.com

Rainfall Distribution (mm) during the Previous Week (11th June to 17th June, 2018)



<u>Patron-in-Chief:</u> Dr. Ghulam Rasul (Director General)

<u>Editor-in-Chief:</u> Asma Jawad Hashmi (Director)<u>Editor:</u> Saeeda Saleh (Assistant Meteorologist)



Highlights of Past Weather (11th June to 17th June, 2018)

Above normal day temperature was observed in most parts of the country however mix trend was observed in Punjab.

Province wise distribution of rainfall reported as follows:

- Light to moderate rainfall observed in Punjab, Khyber Pakhtunkhwa, Balochistan Azad Kashmir during the previous week.
- Light rainfall observed in Sindh, G.B during the previous week.

Past Weather of Provinces (11th June to 17th June, 2018)

Punjab

Light to moderate rainfall observed in Punjab during the week. Weekly maximum and minimum temperatures recorded as 39.8°C & 27.6°C respectively. For the recent week on average 201.2 growing degree days were accumulated by the end of the last week. Average relative humidity recorded as 47% and wind speed in the morning/evening recorded as 4.4/4.8 Knots. During the previous week the highest amount of rainfall was recorded as 61.0 mm at Murree & highest maximum temperature was recorded as 48.5°C at Bhakkar.

Sindh

Light rainfall observed in Sindh during the week. Weekly maximum and minimum temperatures recorded as 42.0°C & 28.0°C respectively. For the recent week, on average 209.3 growing degree days were accumulated by the end of last week. Average relative humidity recorded as 49% and wind speed in the morning/evening recorded as 6.5/10.1 Knots. During the previous week the highest amount of rainfall was recorded as 0.01 mm at Moinjodaro & highest maximum temperature was recorded as 50.5°C at Jacobabad.

Khyber Pakhtunkhwa

Light to moderate rainfall observed in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded as 36.6°C & 21.0°C respectively. For the recent week on average 166.4 growing degree days were accumulated by the end of last week. Average relative humidity recorded as 45% and wind speed in the morning/evening recorded as 1.3/3.1 Knots. During the previous week the highest amount of rainfall was recorded as 64.0 mm at Malamjabba & highest maximum temperature was recorded as 46.5°C at D.I.Khan.

Balochistan

Light to moderate rainfall observed only at single station (Zhob=15.0mm) in Balochistan during the week. Weekly maximum and minimum temperatures recorded as 39.5°C & 25.2°C respectively. For the recent week on average 188.3 growing degree days were accumulated by the end of last week. Average relative humidity recorded as 40% and wind speed in the morning/evening recorded as 2.0/6.3 Knots. During the previous week the highest maximum temperature was recorded as 50.0°C at Sibbi.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light rainfall observed in Gilgit-Baltistan & Kashmir during the week. Weekly maximum and minimum temperatures recorded as 32.9°C & 17.9°C respectively. For the recent week on average 135.7 growing degree days were accumulated by the end of last week. Average relative humidity recorded as 41% and wind speed in the morning/evening recorded as 1.1/3.0 Knots. During the previous week the highest amount of rainfall was recorded as 51.4 mm Rawalakot & highest maximum temperature was recorded as 43.5°C at Kotli.

Past Weather for Major Agricultural Plains (11th **June to 17th June, 2018**)

Rawalpindi (Potohar region)

Rainfall reported as 16.2 mm from Rawalpindi during the week; however, cloudiness in the morning/evening recorded as 1.0/1.6 Oktas while, average relative humidity observed as 51%. Mean day time temperature recorded as 39.8°C & for the recent week 181.9 growing degree accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.5 Knots.

Faisalabad (Central Punjab)

Rainfall reported as 19.2 mm from Faisalabad during the week; however, cloudiness in the morning/evening recorded as 0.9/0.0 Oktas while, average relative humidity observed as 53%. Mean day time temperature recorded as 39.4°C & for the week 200.8 growing recent degree accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.5/1.6 Knots.

Tandojam (Lower Sindh)

Dry weather reported from Tandojam during the week; however, cloudiness recorded in the morning/evening as 0.0/0.0 Oktas while, average relative humidity observed as 61%. Mean day time temperature recorded as 38.6°C & for the recent week 190.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 5.4/6.3 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather reported from Usta Muhammad during week: however. cloudiness the in the morning/evening recorded as 0.0/0.7 Oktas while, average relative humidity observed as 37%. Mean day time temperature recorded as 48.2°C & for the week recent 237.3 growing degree accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.4/2.8 Knots.

Quetta (Northern Baluchistan)

Dry weather reported from Quetta during the week; however, cloudiness in the morning/evening recorded as 0.3/2.4 Oktas while, average relative humidity observed as 17%. Mean day time temperature recorded as 34.3°C & for the recent week 161.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.0/4.7 Knots.

Past Weather for Sub-Regional Agricultural Plains (11th June to 17th June, 2018)

Multan

Rainfall reported as 2.2 mm from Multan during the week; however, cloudiness in the morning/evening recorded as 1.0/0.4 Oktas while, average relative humidity observed as 50%. Mean day time temperature recorded as 40.7°C & for the recent week 211.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 10.3/6.6 Knots.

Lahore

Rainfall reported as 8.4 mm from Lahore during the week; however, cloudiness in the morning/evening recorded as 1.1/1.7 Oktas while, average relative humidity observed as 45%. Mean day time temperature recorded as 38°C & for the recent week 201.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.3/4.9 Knots.

Zhob

Rainfall reported as 15.0 mm from Zhob during the week; however, cloudiness in the morning/evening recorded as 0.0/0.3 Oktas while, average relative humidity observed as 41%. Mean day time temperature recorded as 38.9°C & for the recent week 178.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.1/7.0 Knots.

Murree

Rainfall reported as 61.0 mm from Murree during week: however, cloudiness in morning/evening recorded as 1.0/2.9 Oktas while, average relative humidity observed as 49%. Mean day time temperature recorded as 27.1°C & for the recent week 120.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/3.6 Knots.

D.I. Khan

Rainfall reported as 5.0 mm from D.I. Khan during week; however, cloudiness morning/evening recorded as 1.6/2.1 Oktas while, average relative humidity observed as 51%. Mean day time temperature recorded 41.6°C & for the growing week 207.8 degree accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.1/1.4 Knots.

Peshawar

Rainfall reported as 18.0 mm from Peshawar during week: however. cloudiness the the morning/evening recorded as 2.9/2.6 Oktas while, average relative humidity observed as 51%. Mean day time temperature recorded as 41.3°C & for the week growing 195.0 degree accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.7 Knots.

Dry weather reported from Kalam during the week; however, cloudiness in the morning/evening recorded as 0.9/5.3 Oktas while, average relative humidity observed as 47%. Mean day time temperature recorded as 28.5°C & for the recent week 106.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.7 Knots.

Gilgit

Rainfall reported as Trace (not measureable) from Gilgit during the week; However, cloudiness in the morning/evening recorded as 2.6/5.7 Oktas while, average relative humidity observed as 35%. Mean day time temperature recorded as 34.5°C & for the recent week 143.9 growing degree accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.6/11.0 Knots.

Skardu

Rainfall reported as 0.31 from Skardu during the week; however, cloudiness in the morning/evening recorded as 3.4/5.3 Oktas while, average relative humidity observed as 33%. Mean day time temperature recorded as 29.3°C & for the recent week 112.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/2.4 Knots.

Crop Situation for Major Agricultural Plains (Based on data from Regional Agromet Centres)

Potohar Region (Rawalpindi)

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

Central Punjab (Faisalabad)

Presently cotton crop is sown in the fields of RAMC Faisalabad.

Cotton; Budding stage in good condition.

Lower Sindh (Tandojam)

There is presently one crop in the fields of RAMC Tandojam.

Cotton (CIM 6.2); Budding in good condition.

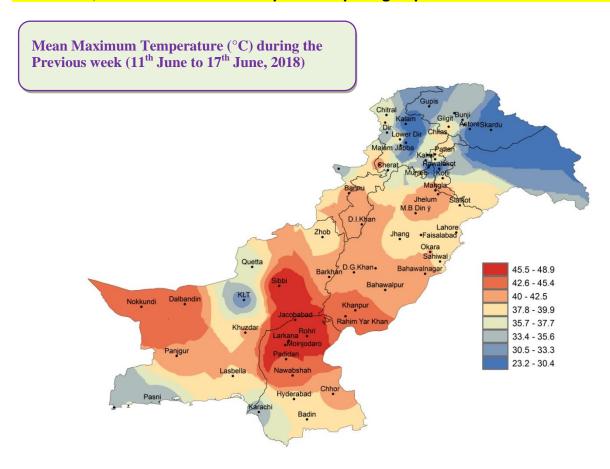
Northern Baluchistan (Quetta)

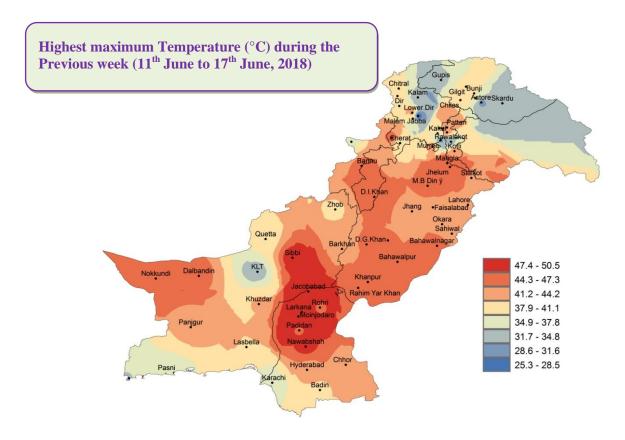
There is presently no crop grown in the fields of RAMC Quetta.

Eastern Baluchistan (Usta Muhammad)

There is presently one crop grown in the fields of RAMC Usta Muhammad.

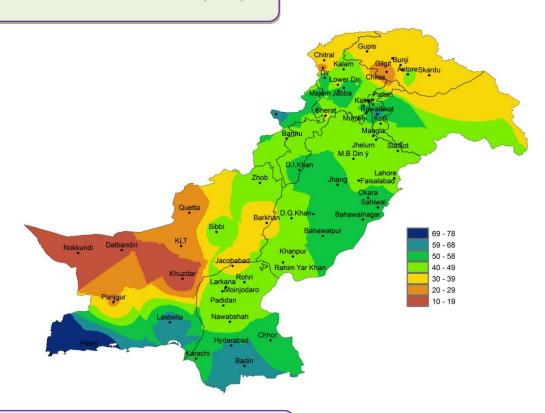
Rice: Good condition, Paneri in process



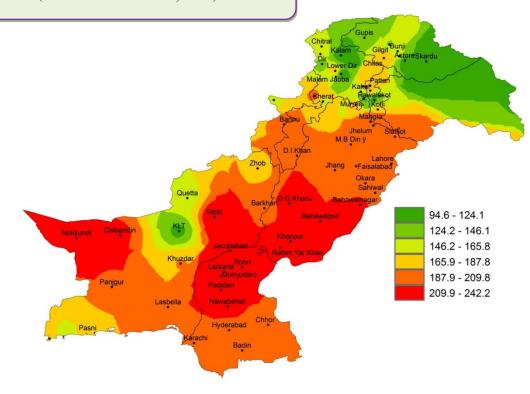


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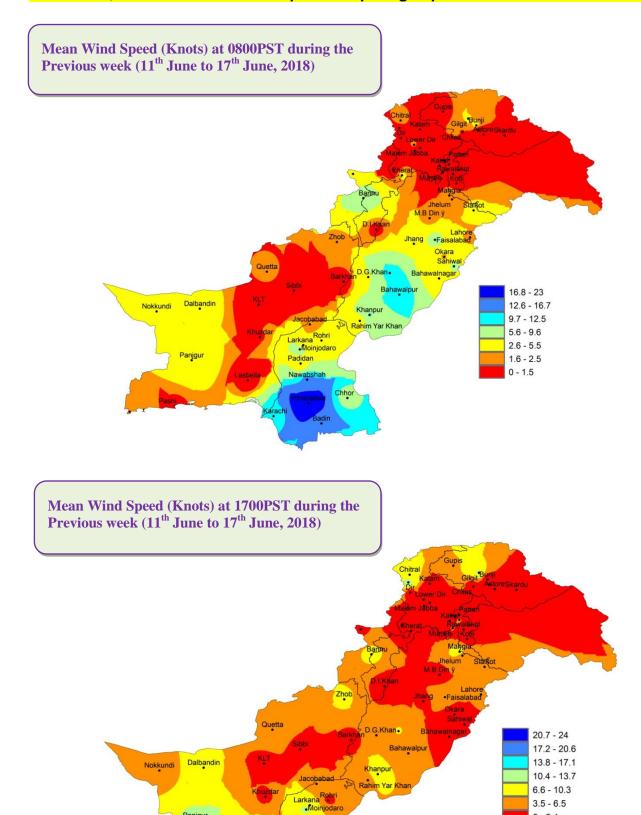
Mean Relative Humidity (%) during the Previous week 11th June to 17th June, 2018)



Total Growing Degree Days accumulated during the Previous week (11th June to 17th June, 2018)



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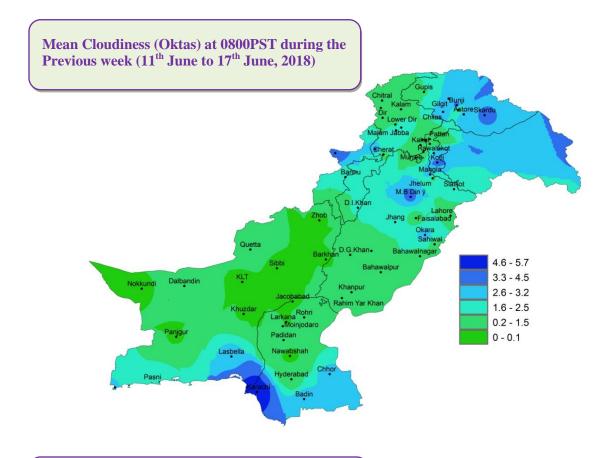


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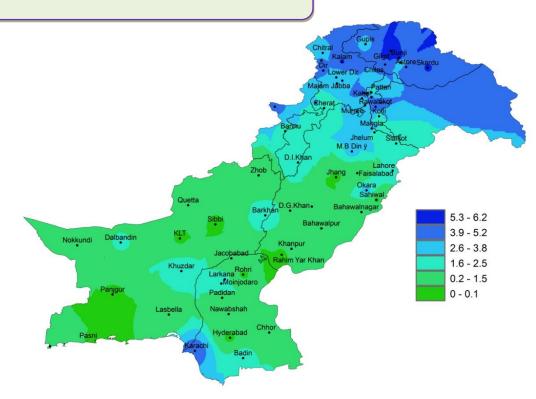
Padidan

Lasbella

0 - 3.4







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Weekly Weather Advisory for Farmers (19th June to 25th June, 2018)

Normal wind pattern may prevail in most of the agricultural plains of the country during the decade; however dust/sand storms may occur in southern Punjab and upper Sindh.

TUESDAY 19-06-2018

Mainly hot and dry weather is expected in most parts of the country. However, rain-thundershower with gusty winds is expected at isolated places in Malakand, Hazara, Multan, D.G.Khan divisions, FATA, Kashmir and Gilgit-Baltistan.

WEDNESDAY 20-06-2018

Mainly hot and dry weather is expected in most parts of the country. However, isolated rainthundershower is expected in Malakand division, FATA and Gilgit-Baltistan.

THURSDAY 21-06-2018

Mainly hot and dry weather is expected in most parts of the country.

FRIDAY 22-06-2018

Mainly hot and dry weather is expected in most parts of the country. However, rain-thundershower with gusty winds is expected at isolated places in Malakand, Hazara, Rawalpindi, Sargodha division, upper FATA, Kashmir and Gilgit-Baltistan.

SATURDAY 23-06-2018

Mainly hot and dry weather is expected in most parts of the country. However, more rainthundershower with gusty winds is expected at isolated places in Malakand division, FATA, Kashmir and Gilgit-Baltistan.

SUNDAY 24-06-2018

Mainly hot and dry weather is expected in most parts of the country. However, more rainthundershower with gusty winds is expected at isolated places in Malakand division and Gilgit-Baltistan.

MONDAY 25-06-2018

Mainly hot and dry weather is expected in most parts of the country. However, more rainthundershower with gusty winds is expected at isolated places in Gilgit-Baltistan.

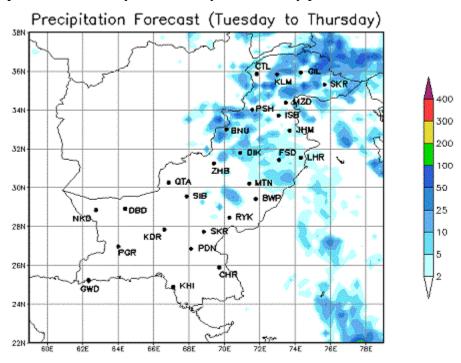
ADVISES FOR FARMERS

During the last week, light to moderate rainfall occurred in central parts of the country while hot and dry weather prevailed in rest parts. This may continue with almost the same pattern in coming days as well. Keeping in view the expected weather conditions following advises are suggested for farming community.

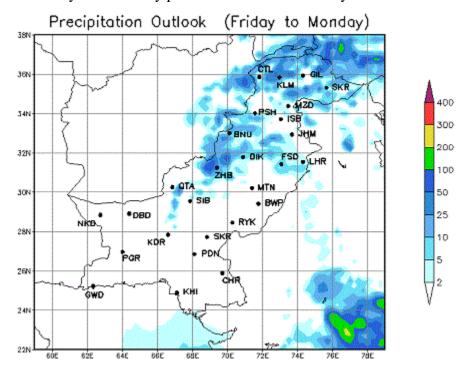
- Farmers of southern Punjab and Sindh are advised to complete the sowing of cotton and other Kharif crops to utilize the maximum soil moisture.
- In the upper half of the country specially in Potohar region, if required moister is availble in field, should complete cultivating peanut crops
- Farmers of upper Sindh and southern Punjab are advised to irrigate the crop according to the cropwater requirement if necessary.
- Rice growers are advised to complete sowing of the crop in accordance with the recommendation by the agricultural experts.

Weather Outlook from 19th June to 25th June, 2018

The forecast from 19th June to 21st June, 2018 shows that light to moderate rainfall is expected at scattered places of the upper parts of the country, whereas dry weather may prevail in rest of the country.



The outlook from 22nd June to 25th June, 2018 shows that light to moderate rainfall is expected at few places in Upper and central Punjab, KP, northern Balochistan and GB. However, light rainfall is expected at coastal plains of Sindh. Dry weather may prevail in rest of the country.



National Weather Data of Selected Cities (Weekly Data from 11th June to 17th June, 2018)

Stations	Maximum/Night time Temperature (°C)		Growing Degree Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Oktas) 0800	Cloudiness (Oktas) 1700	Wind Speed (Knots)	Wind Speed (Knots)
	Mean	highest				PST	PST	0800 PST	1700 PST
Astore	26.0	30.0	93.8	43	2.70	3.1	4.4	1.4	1.1
Badin	38.0	40.5	195.9	62	0.00	3.1	2.1	13.4	13.7
Bahawalnagar	41.6	44.5	213.0	49	17.00	1.1	0.6	3.4	1.1
Bahawalpur	41.0	44.5	211.4	51	10.00	0.7	0.9	10.9	4.3
Balakot	36.2	40.0	168.1	39	16.00	1.3	4.9	0.0	0.3
Bannu	40.8	45.6	201.4	42	1.00	1.7	2.1	8.0	7.4
Barkhan	41.1	43.0	201.8	34	0.00	0.0	2.0	0.3	2.3
Bunji	34.0	38.3	156.4	35	0.01	3.7	6.3	3.1	0.0
Cherat	35.4	37.5	161.8	38	6.00	1.3	1.9	2.9	2.6
Chhor	40.6	43.2	201.4	55	0.00	2.7	0.3	8.0	14.0
Chilas	38.3	41.0	186.3	21	0.01	2.7	4.7	1.4	2.0
Chitral	36.4	38.5	149.5	33	0.00	1.0	3.4	2.6	6.9
D.G.Khan	41.4	44.5	217.8	44	0.00	0.6	1.3	5.4	5.7
D.I.Khan	41.6	46.5	207.8	51	5.00	1.6	2.1	1.1	1.4
Dalbandin	44.6	45.5	214.3	19	0.00	0.7	1.6	4.0	8.0
Dir	33.1	37.5	131.4	57	46.00	1.3	4.1	0.3	1.7
Drosh	38.8	40.6	167.7	23	0.00	1.1	3.9	0.0	12.4
Faisalabad	39.4	43.5	200.8	53	19.20	0.9	0.0	2.5	1.6
Garidopatta	37.1	41.5	169.7	52	48.00	1.6	4.3	1.1	4.0
Gawader	35.8	36.5	155.5	71	0.00	1.6	0.1	1.7	6.9
Gilgit	34.5	38.5	143.9	35	0.01	2.6	5.7	2.6	11.0

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30.5	33.5	127.8	33	0.00	1.4	3.6	1.1	6.3
38.7	42.5	194.5	60	0.00	0.7	0.0	23.0	24.0
38.8	43.0	180.9	42	44.00	1.3	2.7	0.3	3.1
47.4	50.5	232.3	34	0.00	0.0	0.7	1.7	3.7
38.7	42.5	199.6	54	24.20	1.9	0.0	3.7	2.9
41.2	46.0	206.8	40	0.01	1.2	2.2	2.0	4.0
34.0	34.5	179.0	72	0.00	2.7	1.0	2.0	10.3
34.4	38.5	150.5	51	19.01	0.7	3.6	0.0	2.3
28.5	32.0	106.7	47	0.00	0.9	5.3	0.0	1.7
32.3	33.0	118.5	21	0.00	0.0	0.0	0.0	2.9
34.8	35.5	188.7	56	0.01	5.7	4.6	10.6	16.6
43.6	46.0	218.4	47	6.40	0.4	0.3	9.7	7.7
40.1	41.5	189.0	11	0.00	0.0	2.3	1.4	3.1
38.6	43.1	185.0	45	37.20	3.4	2.1	1.1	1.4
38.0	43.7	201.1	45	8.40	1.1	1.7	2.3	4.9
47.1	49.0	234.3	46	0.00	0.0	1.6	3.4	7.4
39.9	41.0	203.3	63	0.00	3.0	0.3	0.6	11.7
40.3	44.0	190.5	35	9.00	1.3	2.6	2.0	2.0
40.4	45.5	201.0	48	0.01	3.4	2.9	1.7	2.0
22.9	25.0	93.1	58	64.00	2.1	3.1	0.0	0.0
40.5	45.2	200.6	39	1.01	3.0	3.0	1.7	9.1
36.3	38.0	160.7	32	3.00	1.0	2.0	0.0	3.3
47.0	50.0	234.0	42	0.01	0.3	1.9	7.7	11.7
40.7	44.4	211.0	50	2.20	1.0	0.4	10.3	6.6
27.1	30.7	120.1	49	61.00	1.0	2.9	0.0	3.6
37.3	41.0	172.5	52	28.00	0.9	3.3	0.0	3.1
	30.5 38.7 38.8 47.4 38.7 41.2 34.0 34.4 28.5 32.3 34.8 43.6 40.1 38.6 38.0 47.1 39.9 40.3 40.4 22.9 40.5 36.3 47.0 40.7 27.1	30.5 33.5 38.7 42.5 38.8 43.0 47.4 50.5 38.7 42.5 41.2 46.0 34.0 34.5 34.4 38.5 28.5 32.0 32.3 33.0 34.8 35.5 43.6 46.0 40.1 41.5 38.6 43.1 38.0 43.7 47.1 49.0 39.9 41.0 40.3 44.0 40.4 45.5 22.9 25.0 40.5 45.2 36.3 38.0 47.0 50.0 40.7 44.4 27.1 30.7	30.5 33.5 127.8 38.7 42.5 194.5 38.8 43.0 180.9 47.4 50.5 232.3 38.7 42.5 199.6 41.2 46.0 206.8 34.0 34.5 179.0 34.4 38.5 150.5 28.5 32.0 106.7 32.3 33.0 118.5 34.8 35.5 188.7 43.6 46.0 218.4 40.1 41.5 189.0 38.6 43.1 185.0 38.0 43.7 201.1 47.1 49.0 234.3 39.9 41.0 203.3 40.3 44.0 190.5 40.4 45.5 201.0 22.9 25.0 93.1 40.5 45.2 200.6 36.3 38.0 160.7 47.0 50.0 234.0 40.7 44.4 211.0 27.1 30.7 120.1	30.5 33.5 127.8 33 38.7 42.5 194.5 60 38.8 43.0 180.9 42 47.4 50.5 232.3 34 38.7 42.5 199.6 54 41.2 46.0 206.8 40 34.0 34.5 179.0 72 34.4 38.5 150.5 51 28.5 32.0 106.7 47 32.3 33.0 118.5 21 34.8 35.5 188.7 56 43.6 46.0 218.4 47 40.1 41.5 189.0 11 38.6 43.1 185.0 45 38.0 43.7 201.1 45 47.1 49.0 234.3 46 39.9 41.0 203.3 63 40.3 44.0 190.5 35 40.4 45.5 201.0 48 22.9 25.0 93.1 58 40.5 45.2 200.6	30.5 33.5 127.8 33 0.00 38.7 42.5 194.5 60 0.00 38.8 43.0 180.9 42 44.00 47.4 50.5 232.3 34 0.00 38.7 42.5 199.6 54 24.20 41.2 46.0 206.8 40 0.01 34.0 34.5 179.0 72 0.00 34.4 38.5 150.5 51 19.01 28.5 32.0 106.7 47 0.00 32.3 33.0 118.5 21 0.00 34.8 35.5 188.7 56 0.01 43.6 46.0 218.4 47 6.40 40.1 41.5 189.0 11 0.00 38.6 43.1 185.0 45 37.20 38.0 43.7 201.1 45 8.40 47.1 49.0 234.3 46 0.00 39.9 41.0 203.3 63 0.00 40.4<	30.5 33.5 127.8 33 0.00 1.4 38.7 42.5 194.5 60 0.00 0.7 38.8 43.0 180.9 42 44.00 1.3 47.4 50.5 232.3 34 0.00 0.0 38.7 42.5 199.6 54 24.20 1.9 41.2 46.0 206.8 40 0.01 1.2 34.0 34.5 179.0 72 0.00 2.7 34.4 38.5 150.5 51 19.01 0.7 28.5 32.0 106.7 47 0.00 0.9 32.3 33.0 118.5 21 0.00 0.0 34.8 35.5 188.7 56 0.01 5.7 43.6 46.0 218.4 47 6.40 0.4 40.1 41.5 189.0 11 0.00 0.0 38.6 43.1 185.0 45 37.20 3.4 38.0 43.7 201.1 45 8.40	30.5 33.5 127.8 33 0.00 1.4 3.6 38.7 42.5 194.5 60 0.00 0.7 0.0 38.8 43.0 180.9 42 44.00 1.3 2.7 47.4 50.5 232.3 34 0.00 0.0 0.7 38.7 42.5 199.6 54 24.20 1.9 0.0 41.2 46.0 206.8 40 0.01 1.2 2.2 34.0 34.5 179.0 72 0.00 2.7 1.0 34.4 38.5 150.5 51 19.01 0.7 3.6 28.5 32.0 106.7 47 0.00 0.9 5.3 32.3 33.0 118.5 21 0.00 0.0 0.0 34.8 35.5 188.7 56 0.01 5.7 4.6 43.6 46.0 218.4 47 6.40 0.4 0.3	30.5 33.5 127.8 33 0.00 1.4 3.6 1.1 38.7 42.5 194.5 60 0.00 0.7 0.0 23.0 38.8 43.0 180.9 42 44.00 1.3 2.7 0.3 47.4 50.5 232.3 34 0.00 0.0 0.7 1.7 38.7 42.5 199.6 54 24.20 1.9 0.0 3.7 41.2 46.0 206.8 40 0.01 1.2 2.2 2.0 34.0 34.5 179.0 72 0.00 2.7 1.0 2.0 34.4 38.5 150.5 51 19.01 0.7 3.6 0.0 28.5 32.0 106.7 47 0.00 0.9 5.3 0.0 32.3 33.0 118.5 21 0.00 0.0 0.0 0.0 34.8 35.5 188.7 56 0.01

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Nawabshah	45.1	48.5	221.8	40	0.00	0.0	0.4	13.1	13.4
Nokkundi	44.5	46.0	223.3	10	0.00	0.0	0.9	5.4	4.6
Okara	40.0	44.0	205.3	53	9.70	3.0	2.9	2.3	0.6
Padidan	44.9	47.0	219.5	47	0.01	0.3	1.1	2.6	4.6
Panjgur	42.1	43.0	207.0	29	0.00	0.0	0.0	4.9	11.1
Parachinar	33.5	36.6	157.2	64	5.00	3.9	4.3	3.0	3.0
Pasni	34.0	36.0	179.9	78	0.00	2.1	0.0	1.1	7.6
Pattan	38.6	43.0	181.8	42	13.00	0.0	1.7	0.0	0.0
Peshawar	41.3	45.8	195.0	51	18.00	2.9	2.6	0.0	1.7
Quetta	34.3	36.0	161.7	17	0.00	0.3	2.4	3.0	4.7
R.y.Khan	44.7	46.6	221.7	49	0.00	1.1	0.0	4.0	5.7
Rawalakot	28.6	32.0	116.3	62	51.40	2.6	5.0	0.0	1.1
Rawalpindi	39.8	42.5	181.9	51	16.20	1.0	1.6	0.6	0.5
Rohri	45.5	47.0	212.3	43	0.00	0.4	0.0	3.4	3.1
Sahiwal	39.1	44.0	200.7	52	16.00	1.1	0.0	6.0	2.9
Saidu Sharif	35.4	39.0	150.3	55	16.00	1.9	2.9	0.0	0.0
Sialkot	39.2	44.0	194.1	45	1.00	1.9	2.0	2.9	6.3
Sibbi	48.9	50.0	242.3	44	0.00	0.0	0.0	0.0	2.9

29.3

38.6

48.2

38.9

34.6

41.5

51.0

40.5

112.6

190.5

237.3

178.5

33

61

37

41

0.31

0.00

0.00

15.00

3.4

0.0

0.0

0.0

Skardu

Tandojam

Usta.M

Zhob

5.3

0.0

0.7

0.3

0.0

5.4

1.4

2.1

2.4

6.3

2.8

7.0

^{***} Shows that data was not available.

Findings of AgMIP Pakistan, University of Agriculture, Faisalabad

- There would be significant increase in temperature i.e., 2.8°C in day and 2.2°C in 1. the night during mid-century (2040-2069).
- There would be significant variability in rainfall patterns (about 25% increase in 2. summer & 12% decrease in winter during 2040-2069).
- 3. Climate Change will affect the crop yields negatively (about 17% for rice and 14 % for wheat).
- If there will be no adaptation to Climate Change, majority of farmers would be the 4. economic losers.
- With Adaptation to Climate Change (through technology and management), there 5. would be significant decrease in poverty and improvement in the livelihood of farming community.

(Agricultural Model Inter-comparison and Improvement Project (AgMIP) Pakistan 2012-2014)

- 1۔ سال 69-2040 کے دوران درجہ حرارت میں قابل ذکراضافہ ہوسکتا ہے۔ جو کہ دن کے وقت 2.8° دوران درجہ حرارت میں قابل ذکراضافہ ہوسکتا ہے۔ جو کہ دن کے وقت 2.8° دوران درجہ حرارت میں قابل ذکراضافہ ہوسکتا ہے۔ جو کہ دن کے وقت 2.8° دوران درجہ حرارت میں
 - 2۔ گرمیوں کی بارش میں 25 فیصد اضا فیاورسر دیوں کی بارش میں 12 فیصد تک کمی کاام کان ہے۔
 - 3۔ مندرجہ بالاموسی تغیرات کی وجہ سے دھان کی پیداوار میں 17 فیصد اور گندم کی پیداوار میں 14 فیصد تک کمی ہوسکتی ہے۔
 - 4۔ اگرموسی تغیرات کامناسب بندوبست نہ کیا گیا۔ تو کسانوں کی اکثریت کومعاشی نقصان کا سامنا کرنا پڑے گا۔
- 5۔ موتم تغیرات کے سدّیاب (بذریعینی ٹیکنالوجی کااستعال اور بہترنظم ونسق) سے غربت میں کمی اور کسانوں کی زندگی میں خوشحالی لائی جاسکتی ہے۔

(ایگمپ یا کتان 2012-2014)