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LSA critical values for maize

Input parameters threshold values for LSA

FAO class			S1		S2		S3		N	
Score performance			100	95	85	60	40	<40		
Soil Properties		Code	Units							
Cation Exchange Capacity	CEC	cmol/kg	>24	24	16	<12	<8	<6		
Soil organic carbon content (fine earth fraction)	SOC	g/kg	>20	20	12	8	<4	<2		
pH H ₂ O	PH	pH (0-14)	6.6	6.2	5.8	5.5	5.2	<5,2		
			6.6	7	7.8	8.2	8.5	>8,5		
Texture class *	Texture	USDA classes	SiC, SiCL, Si, SiL, CL		SC, L, SCL	SL	LS	C, S		
Volumetric % of coarse fragments	CRFVOL	% vol.	0	3	15	35	55	>55		
Climatic properties		Code	Units							
Precipitation of the growing cycle (May, June, July, August)	PREC.GC	mm	750	900	1200	1400	1600	>1600		
			750	600	500	400	300	<300		
Monthly rainfall May	MAY.PREC	mm	175	220	295	400	475	>475		
			175	125	100	75	60	<60		
Monthly rainfall June	JUN.PREC	mm	200	235	310	400	475	>475		
			200	175	150	120	70	<70		
Monthly rainfall July	JUL.PREC	mm	200	235	310	400	475	>475		
			200	175	150	120	70	<70		
Monthly rainfall August	AUG.PREC	mm	165	210	285	400	475	>475		
			165	125	100	80	60	<60		
Mean temperature of the growing cycle (May, June, July, August)	TEMP.AVG.GC	°C	24	22	18	16	14	<14		
			24	26	32	35	40	>40		
Mean min. temp. of the growing cycle (May, June, July, August)	TEMP.MIN.GC	°C	17	16	12	9	7	<7		
			17	18	24	28	30	>30		
Topographic properties		Code	Units							
Slope	slope	%	0	1	2	4	6	>6		

* USDA classes: Clay (C), Silty Clay (SiC), Sandy Clay (SC), Clay Loam (CL), Silty Clay Loam (SiCL), Sandy Clay Loam (SCL), Loam (L), Silty Loam (SiL), Sandy Loam (SL), Silt (Si), Loamy Sand (LS), Sand (S)

Current temperatures for May, June, July and August, over the study area

Monthly mean temperature statistics over the study area, during growing season (May-Aug), for current-LSA

CAMPINE region

	min	max	Mean	sd
May avg. temperature	12.8	14.1	13.2	0.21
June avg. temperature	15.4	16.7	15.8	0.199
July avg. temperature	17.5	18.7	17.9	0.221
August avg. temperature	17.4	18.6	17.9	0.242

SANDY region

	min	max	mean	sd
May avg. temperature	11.9	14	13.1	0.433
June avg. temperature	14.6	16.7	15.7	0.396
July avg. temperature	16.8	18.8	17.8	0.416
August avg. temperature	17.2	18.5	17.9	0.329

SANDY LOAM region

	min	max	mean	sd
May avg. temperature	11.7	14.2	13	0.479
June avg. temperature	14.3	17	15.7	0.5
July avg. temperature	16.5	19.1	17.8	0.478
August avg. temperature	17	18.8	17.8	0.344

Climate projections from 10 GCMs (Table 2), under 2 RCPs & for four 30-year future periods: 2030s (2020–2049), 2050s (2040–2069), 2070s (2060–2089) and 2080s (2070–2099), for the climate variables of interest over the study area.

1. BCC.CSM1.1.M

Statistics for BCC.CSM1.1.M climate projections over the study area

RCP4.5 - 2030s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	36	46	53	58	75.58
<i>JUN.PREC</i>	mm	40	56.92	64	67	81.77
<i>JUL.PREC</i>	mm	46	53	54	56	77.69
<i>AUG.PREC</i>	mm	54	63	65	67.54	89.5
<i>PREC.GC</i>	mm	187	222	233.3	247	324.5
<i>TEMP.GC</i>	°C	16.79	17.41	17.65	17.85	18.35
<i>TEMP.MIN.GC</i>	°C	11.78	12.34	12.59	12.96	13.5

RCP4.5 - 2050s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	35	44	52	56.61	71.58
<i>JUN.PREC</i>	mm	38	56	64.05	69.4	84.77
<i>JUL.PREC</i>	mm	42	49	50.8	53	72.69
<i>AUG.PREC</i>	mm	54	62	64	66.54	85.5
<i>PREC.GC</i>	mm	180	216	229	242.2	314.5
<i>TEMP.GC</i>	°C	16.93	17.63	17.9	18.14	18.67
<i>TEMP.MIN.GC</i>	°C	12	12.47	12.68	13.03	13.57

RCP4.5 - 2070s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	40	49	58.87	63.63	78.58
<i>JUN.PREC</i>	mm	36	52.01	61.99	67.73	83.77
<i>JUL.PREC</i>	mm	50	56.52	58	59	76.69
<i>AUG.PREC</i>	mm	51	59	61.26	64	83.5
<i>PREC.GC</i>	mm	188	223	236.4	250.5	322.5
<i>TEMP.GC</i>	°C	17.19	17.85	18.12	18.34	18.87
<i>TEMP.MIN.GC</i>	°C	12.18	12.7	12.93	13.28	13.85

RCP4.5 - 2080s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	40	49.55	60	65.98	81.58
<i>JUN.PREC</i>	mm	33	49	59	65.08	81.77
<i>JUL.PREC</i>	mm	46.1	52.47	54	55	72.83
<i>AUG.PREC</i>	mm	54	62	64.83	67	85.5
<i>PREC.GC</i>	mm	183.1	219	234	249.6	321.5
<i>TEMP.GC</i>	°C	17.44	18.07	18.33	18.55	19.07
<i>TEMP.MIN.GC</i>	°C	12.35	12.87	13.09	13.49	14.03

RCP8.5 - 2030s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	38	47	53.59	58	74.58
<i>JUN.PREC</i>	mm	38	54	63	67.7	82.77
<i>JUL.PREC</i>	mm	39	45	46.43	49	71.69
<i>AUG.PREC</i>	mm	61	67.95	70	72	92.5
<i>PREC.GC</i>	mm	185.3	218.6	229.9	244	321.5
<i>TEMP.GC</i>	°C	16.83	17.37	17.6	17.79	18.3
<i>TEMP.MIN.GC</i>	°C	11.68	12.24	12.5	12.9	13.48

RCP8.5 - 2050s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	37	46	53.71	58.05	74.58
<i>JUN.PREC</i>	mm	31	46.99	55.22	60	74.77
<i>JUL.PREC</i>	mm	36	43	44	46	66.69
<i>AUG.PREC</i>	mm	50	57	59	61	81.5
<i>PREC.GC</i>	mm	164	197.8	209	222	297.5
<i>TEMP.GC</i>	°C	18.13	18.81	19.1	19.36	19.9
<i>TEMP.MIN.GC</i>	°C	12.88	13.37	13.61	13.99	14.5

RCP8.5 - 2070s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	38	47	54	56	67.58
<i>JUN.PREC</i>	mm	33	48	57	62	78.77
<i>JUL.PREC</i>	mm	32	38	39.19	41	60.69
<i>AUG.PREC</i>	mm	38	45	48	51	70.5
<i>PREC.GC</i>	mm	153	186.3	194	205.3	277.5
<i>TEMP.GC</i>	°C	18.95	19.82	20.2	20.52	21.1
<i>TEMP.MIN.GC</i>	°C	13.85	14.35	14.54	14.81	15.27

RCP8.5 - 2080s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	34.23	42	49.05	52	63.58
<i>JUN.PREC</i>	mm	30	45	52	56.14	72.77
<i>JUL.PREC</i>	mm	29	34.04	36	38	57.69
<i>AUG.PREC</i>	mm	39	46	49	52	73.5
<i>PREC.GC</i>	mm	144	174.3	181.3	194.2	267.5
<i>TEMP.GC</i>	°C	19.15	20.11	20.52	20.89	21.46
<i>TEMP.MIN.GC</i>	°C	14.1	14.6	14.77	15	15.42

2. CESM1.CAM5

Statistics for CESM1.CAM5 climate projections over the study area

RCP4.5 - 2030s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
MAY.PREC	mm	53	63	69	72	86.58
JUN.PREC	mm	51.21	62.02	68	72	91.77
JUL.PREC	mm	57	66	68	71	90.69
AUG.PREC	mm	44	52	55	58	77.5
PREC.GC	mm	217.1	247.5	258	271	346.5
TEMP.GC	°C	16.74	17.37	17.6	17.79	18.22
TEMP.MIN.GC	°C	11.76	12.28	12.52	12.93	13.7

RCP4.5 - 2050s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
MAY.PREC	mm	52	61	67	70	82.58
JUN.PREC	mm	44	59	67	72.76	91.77
JUL.PREC	mm	60	68.53	70.31	73	97.69
AUG.PREC	mm	57	63.97	66.21	69	88.5
PREC.GC	mm	224	257	268.4	282	360.5
TEMP.GC	°C	17.29	17.95	18.2	18.4	18.83
TEMP.MIN.GC	°C	12.26	12.81	13.02	13.4	14.13

RCP4.5 - 2070s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
MAY.PREC	mm	51	62.5	70.61	74	86.58
JUN.PREC	mm	50	63.5	69.75	73.11	89.77
JUL.PREC	mm	55	67	70	73.72	94.69
AUG.PREC	mm	30	38.99	41.54	45	67.5
PREC.GC	mm	198	234.9	249.4	264.7	338.5
TEMP.GC	°C	17.42	18.12	18.37	18.6	19.03
TEMP.MIN.GC	°C	12.36	12.9	13.11	13.5	14.23

RCP4.5 - 2080s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
MAY.PREC	mm	49	62	70.4	74.54	88.58
JUN.PREC	mm	44.02	58	64.81	69	87.77
JUL.PREC	mm	60	71.11	74	76.99	93.83
AUG.PREC	mm	29	37	40	43	63.5
PREC.GC	mm	195	233	246.4	260	333.5
TEMP.GC	°C	17.6	18.24	18.5	18.75	19.18
TEMP.MIN.GC	°C	12.46	13	13.22	13.6	14.33

RCP8.5 - 2030s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
MAY.PREC	mm	57	69.02	78	82	92.88
JUN.PREC	mm	55	69.07	76	80.86	101.8
JUL.PREC	mm	59	70	72	75	93.69
AUG.PREC	mm	53	62	65	68	90.5

<i>PREC.GC</i>	mm	238	274.3	289	304.2	378.5
<i>TEMP.GC</i>	°C	16.71	17.63	17.87	18.1	18.53
<i>TEMP.MIN.GC</i>	°C	11.21	12.52	12.85	13.24	14

RCP8.5 - 2050s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	52	63.16	71	74	84.88
<i>JUN.PREC</i>	mm	44	58	65	69.88	90.77
<i>JUL.PREC</i>	mm	52	65	69	73.6	92.69
<i>AUG.PREC</i>	mm	49.22	56.43	59.2	62	82.5
<i>PREC.GC</i>	mm	208.4	247.7	261.8	276.5	350.5
<i>TEMP.GC</i>	°C	17.94	18.8	19.04	19.27	19.72
<i>TEMP.MIN.GC</i>	°C	12.06	13.47	13.78	14.15	14.93

RCP8.5 - 2070s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	42.11	52	61.14	65	76.58
<i>JUN.PREC</i>	mm	38	52	58	62.15	80.77
<i>JUL.PREC</i>	mm	48	58	60	63	80.69
<i>AUG.PREC</i>	mm	33	42.11	45	47.91	70.5
<i>PREC.GC</i>	mm	170	209	222.3	237	308.5
<i>TEMP.GC</i>	°C	19.18	19.93	20.27	20.56	21.06
<i>TEMP.MIN.GC</i>	°C	13.08	14.4	14.65	14.98	15.72

RCP8.5 - 2080s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	42	52	61	64	74.58
<i>JUN.PREC</i>	mm	41	56	63.46	68	86.77
<i>JUL.PREC</i>	mm	43	53	55	58	77.69
<i>AUG.PREC</i>	mm	34	43.41	46.07	49	71.5
<i>PREC.GC</i>	mm	169	210	222.9	236.8	310.5
<i>TEMP.GC</i>	°C	19.17	20.05	20.45	20.77	21.29
<i>TEMP.MIN.GC</i>	°C	13.31	14.57	14.8	15.1	15.7

3. CSIRO.ACCESS1.0

Statistics for CSIRO.ACCESS1.0 climate projections over the study area

RCP4.5 - 2030s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
MAY.PREC	mm	47	54.11	61	65	77.58
JUN.PREC	mm	54	69	76	81	99.77
JUL.PREC	mm	48	52	53.43	55	70.69
AUG.PREC	mm	28	35.13	38.6	42	58.5
PREC.GC	mm	198.2	221.1	224.9	234	306.5
TEMP.GC	°C	16.9	17.68	18.02	18.3	18.72
TEMP.MIN.GC	°C	12.11	12.6	12.74	12.95	13.45

RCP4.5 - 2050s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
MAY.PREC	mm	43	52	59.38	63.82	79.58
JUN.PREC	mm	56	73.06	79.7	84	99.77
JUL.PREC	mm	48	53.03	54.89	56	75.69
AUG.PREC	mm	35	42	44.23	47	66.5
PREC.GC	mm	200	228	234	245	321.5
TEMP.GC	°C	17.43	18.25	18.6	18.87	19.3
TEMP.MIN.GC	°C	12.79	13.27	13.4	13.6	14.1

RCP4.5 - 2070s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
MAY.PREC	mm	46	56	67	74	93.58
JUN.PREC	mm	55	71	76	79.04	93.77
JUL.PREC	mm	43	47	48.99	50.14	68.69
AUG.PREC	mm	32	40	42	45	61.5
PREC.GC	mm	196	225	230	239.7	317.5
TEMP.GC	°C	17.77	18.5	18.8	19.05	19.52
TEMP.MIN.GC	°C	12.98	13.46	13.6	13.85	14.35

RCP4.5 - 2080s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
MAY.PREC	mm	44	54.27	64	71	89.58
JUN.PREC	mm	52	68	73	76.2	91.77
JUL.PREC	mm	45	49	50.58	52.09	67.69
AUG.PREC	mm	34	42	44.08	47	64.5
PREC.GC	mm	193	224	229	237.9	313.5
TEMP.GC	°C	17.82	18.59	18.94	19.23	19.67
TEMP.MIN.GC	°C	13.11	13.6	13.73	13.93	14.43

RCP8.5 - 2030s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
MAY.PREC	mm	41	52	62	70.4	92.58
JUN.PREC	mm	47	64	73	77.84	94.77
JUL.PREC	mm	53	58.03	59.69	61	82.69
AUG.PREC	mm	39	47	49	52	69.5

<i>PREC.GC</i>	mm	198	229	239.1	254.2	339.5
<i>TEMP.GC</i>	°C	17.16	17.94	18.27	18.52	18.95
<i>TEMP.MIN.GC</i>	°C	12.58	13.07	13.2	13.4	13.87

RCP8.5 - 2050s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	43	54	64	71.97	92.58
<i>JUN.PREC</i>	mm	46	63	70	74	90.77
<i>JUL.PREC</i>	mm	44	47.25	50	52	63.69
<i>AUG.PREC</i>	mm	28	36	39	42.93	58.5
<i>PREC.GC</i>	mm	186	215	219	228	305.5
<i>TEMP.GC</i>	°C	18.15	19.01	19.42	19.73	20.18
<i>TEMP.MIN.GC</i>	°C	13.46	13.94	14.07	14.24	14.7

RCP8.5 - 2070s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	47	57	66	71.46	87.58
<i>JUN.PREC</i>	mm	46	60	67	72	87.77
<i>JUL.PREC</i>	mm	36	40	42.14	45	59.69
<i>AUG.PREC</i>	mm	18	26.3	29.55	32.97	48.6
<i>PREC.GC</i>	mm	173	197	200	208.8	283.6
<i>TEMP.GC</i>	°C	19.15	20.23	20.77	21.19	21.8
<i>TEMP.MIN.GC</i>	°C	14.47	14.99	15.12	15.24	15.78

RCP8.5 - 2080s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	42	50	57.3	62	76.58
<i>JUN.PREC</i>	mm	46	59	65	69	84.77
<i>JUL.PREC</i>	mm	39	43	45	48	60.69
<i>AUG.PREC</i>	mm	19	27.34	30	33	48.5
<i>PREC.GC</i>	mm	172	191	195	200.5	270.5
<i>TEMP.GC</i>	°C	19.7	20.84	21.43	21.88	22.58
<i>TEMP.MIN.GC</i>	°C	15.01	15.57	15.69	15.81	16.45

4. GFDL.CM3

Statistics for GFDL.CM3 climate projections over the study area

RCP4.5 - 2030s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	58	69	76.02	79	91.58
<i>JUN.PREC</i>	mm	51	68	76.65	82	98.77
<i>JUL.PREC</i>	mm	41.46	50.95	53	56.11	76.69
<i>AUG.PREC</i>	mm	44.59	52.98	55.15	57.34	77.5
<i>PREC.GC</i>	mm	206.4	245	259	272.4	344.5
<i>TEMP.GC</i>	°C	17.79	18.41	18.64	18.85	19.27
<i>TEMP.MIN.GC</i>	°C	12.89	13.44	13.57	13.8	14.3

RCP4.5 - 2050s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	52	63	73	78	91.58
<i>JUN.PREC</i>	mm	45	62	70	75.64	92.77
<i>JUL.PREC</i>	mm	39	48	50	53.11	73.69
<i>AUG.PREC</i>	mm	42	50.01	53	55	72.5
<i>PREC.GC</i>	mm	190	228	243.2	258	330.5
<i>TEMP.GC</i>	°C	18.7	19.31	19.56	19.79	20.25
<i>TEMP.MIN.GC</i>	°C	13.68	14.22	14.34	14.55	15.05

RCP4.5 - 2070s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	57.1	69	76.05	80	94.58
<i>JUN.PREC</i>	mm	35	51	59.43	65.5	83.77
<i>JUL.PREC</i>	mm	31	39.82	41.08	43	61.69
<i>AUG.PREC</i>	mm	39	46	48.59	51	70.5
<i>PREC.GC</i>	mm	173	210.1	223.8	236.3	310.5
<i>TEMP.GC</i>	°C	19.22	19.9	20.19	20.44	20.83
<i>TEMP.MIN.GC</i>	°C	14.15	14.78	14.9	15.05	15.52

RCP4.5 - 2080s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	61	72	79	83	97.58
<i>JUN.PREC</i>	mm	40	57	65.98	71.67	89.77
<i>JUL.PREC</i>	mm	34	43	45.02	48	66.69
<i>AUG.PREC</i>	mm	40	47	49.34	52	71.5
<i>PREC.GC</i>	mm	187	223	237.1	250.8	325.5
<i>TEMP.GC</i>	°C	19.05	19.73	20.01	20.25	20.7
<i>TEMP.MIN.GC</i>	°C	14.1	14.69	14.81	14.97	15.47

RCP8.5 - 2030s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	49	60	67.85	71	83.58
<i>JUN.PREC</i>	mm	48	65	71.16	75.13	90.77
<i>JUL.PREC</i>	mm	46	55.93	57.85	60.44	81.69
<i>AUG.PREC</i>	mm	48	55	57.68	60	80.5

<i>PREC.GC</i>	mm	200.3	240	252	264	336.5
<i>TEMP.GC</i>	°C	17.96	18.64	18.9	19.12	19.53
<i>TEMP.MIN.GC</i>	°C	13.02	13.59	13.7	13.91	14.42

RCP8.5 - 2050s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	56	66	72.55	76	88.58
<i>JUN.PREC</i>	mm	40	55	62	66.05	82.77
<i>JUL.PREC</i>	mm	31	39	40.32	42.88	60.69
<i>AUG.PREC</i>	mm	43	50	52.02	54.97	70.48
<i>PREC.GC</i>	mm	184	216	225	235	302.5
<i>TEMP.GC</i>	°C	19.48	20.17	20.46	20.72	21.14
<i>TEMP.MIN.GC</i>	°C	14.47	15.01	15.13	15.3	15.77

RCP8.5 - 2070s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	58	68	75.97	79	92.58
<i>JUN.PREC</i>	mm	31	47.12	55	60.1	76.77
<i>JUL.PREC</i>	mm	24.76	35	37	41	58.69
<i>AUG.PREC</i>	mm	39	46.2	49	51	66.5
<i>PREC.GC</i>	mm	166.8	203	214	226.9	294.5
<i>TEMP.GC</i>	°C	21.02	21.72	22	22.28	22.8
<i>TEMP.MIN.GC</i>	°C	15.97	16.42	16.55	16.73	17.2

RCP8.5 - 2080s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	56	66	72.19	75	87.58
<i>JUN.PREC</i>	mm	33	49.91	58.47	64.57	82.77
<i>JUL.PREC</i>	mm	24	33	35	38.23	55.69
<i>AUG.PREC</i>	mm	31	38	40	42.87	59.66
<i>PREC.GC</i>	mm	157	192	203.4	216	285.5
<i>TEMP.GC</i>	°C	21.76	22.5	22.81	23.12	23.6
<i>TEMP.MIN.GC</i>	°C	16.67	17.17	17.3	17.45	17.87

5. GFDL.ESM2G

Statistics for GFDL.ESM2G climate projections over the study area

RCP4.5 - 2030s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
MAY.PREC	mm	46	55	62	65.81	79.58
JUN.PREC	mm	40.11	55	63	68.72	84.77
JUL.PREC	mm	61	71	74	78.97	100.7
AUG.PREC	mm	53	59.64	62	64.52	84.5
PREC.GC	mm	212.1	245	258.6	274.9	349.5
TEMP.GC	°C	15.96	16.58	16.8	16.98	17.45
TEMP.MIN.GC	°C	11.2	11.85	12.1	12.44	13.03

RCP4.5 - 2050s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
MAY.PREC	mm	45	55	62.83	66.81	81.58
JUN.PREC	mm	36	50	58	64	79.77
JUL.PREC	mm	56	64.54	67	71	93.69
AUG.PREC	mm	54	61	63	66	83.5
PREC.GC	mm	205	236	248.3	263.5	338.5
TEMP.GC	°C	16.24	16.85	17.07	17.26	17.72
TEMP.MIN.GC	°C	11.53	12.14	12.33	12.64	13.23

RCP4.5 - 2070s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
MAY.PREC	mm	43	53.6	63	67	80.58
JUN.PREC	mm	39	54	62	68	85.39
JUL.PREC	mm	59	70	73.77	78.45	102.7
AUG.PREC	mm	49	55.66	58	61	80.5
PREC.GC	mm	201	238	254	271	348.7
TEMP.GC	°C	16.24	16.85	17.07	17.25	17.75
TEMP.MIN.GC	°C	11.53	12.13	12.35	12.66	13.2

RCP4.5 - 2080s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
MAY.PREC	mm	36.2	46	55	59	72.58
JUN.PREC	mm	40	55	64	70	88.77
JUL.PREC	mm	59	69.36	73	78.94	101.7
AUG.PREC	mm	43	50.04	53	55.08	73.5
PREC.GC	mm	192	227	242	259.4	336.5
TEMP.GC	°C	16.1	16.71	16.93	17.11	17.57
TEMP.MIN.GC	°C	11.33	11.97	12.21	12.54	13.1

RCP8.5 - 2030s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
MAY.PREC	mm	36	44	51.35	57	72.58
JUN.PREC	mm	42	58.19	68	74.62	91.77
JUL.PREC	mm	56	65	67.74	72	94.69
AUG.PREC	mm	39	45.82	48	50.7	67.5

<i>PREC.GC</i>	mm	186	218	232	249.3	326.5
<i>TEMP.GC</i>	°C	16.19	16.78	16.99	17.18	17.64
<i>TEMP.MIN.GC</i>	°C	11.3	11.97	12.22	12.55	13.12

RCP8.5 - 2050s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	39	48	57	62.03	77.58
<i>JUN.PREC</i>	mm	28	44	54.96	62	79.77
<i>JUL.PREC</i>	mm	50	58	60	63.84	83.69
<i>AUG.PREC</i>	mm	39	46	48	50.95	66.5
<i>PREC.GC</i>	mm	171	203	216.8	233.6	307.5
<i>TEMP.GC</i>	°C	16.96	17.57	17.78	17.97	18.45
<i>TEMP.MIN.GC</i>	°C	12.1	12.71	12.95	13.28	13.83

RCP8.5 - 2070s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	39	48.08	58	62	75.58
<i>JUN.PREC</i>	mm	17	31	40.91	48	65.77
<i>JUL.PREC</i>	mm	37.1	46	48	52	69.69
<i>AUG.PREC</i>	mm	31	38.72	40.98	43	58.5
<i>PREC.GC</i>	mm	137.1	171	183.8	200.3	269.5
<i>TEMP.GC</i>	°C	17.42	18.04	18.26	18.47	18.95
<i>TEMP.MIN.GC</i>	°C	12.55	13.13	13.35	13.65	14.18

RCP8.5 - 2080s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	39	48	57.91	61.95	74.5
<i>JUN.PREC</i>	mm	24	38	47	53	68.77
<i>JUL.PREC</i>	mm	35	44	47	51	71.69
<i>AUG.PREC</i>	mm	30	37.76	40	42	57.5
<i>PREC.GC</i>	mm	140	175	187.6	203.7	272.4
<i>TEMP.GC</i>	°C	17.82	18.47	18.71	18.95	19.4
<i>TEMP.MIN.GC</i>	°C	13.03	13.58	13.77	14.02	14.55

6. GFDL.ESM2M

Statistics for GFDL.ESM2M climate projections over the study area

RCP4.5 - 2030s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	52	61.62	68	72	87.58
<i>JUN.PREC</i>	mm	43	59.97	68.61	74	89.77
<i>JUL.PREC</i>	mm	53	65	67.98	72	89.69
<i>AUG.PREC</i>	mm	43	50	52	55	74.5
<i>PREC.GC</i>	mm	203	241	254.8	268.4	341.5
<i>TEMP.GC</i>	°C	15.93	16.52	16.74	16.93	17.37
<i>TEMP.MIN.GC</i>	°C	11.33	11.9	12.1	12.39	12.95

RCP4.5 - 2050s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	49	61	68.76	73	89.58
<i>JUN.PREC</i>	mm	45	59.5	67	71.33	85.77
<i>JUL.PREC</i>	mm	53	67	70.82	75.47	92.69
<i>AUG.PREC</i>	mm	41	50.2	53	55.36	79.5
<i>PREC.GC</i>	mm	199	241.9	257.6	273	347.5
<i>TEMP.GC</i>	°C	16.21	16.82	17.04	17.23	17.68
<i>TEMP.MIN.GC</i>	°C	11.55	12.12	12.33	12.63	13.22

RCP4.5 - 2070s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	49	59	67	72	87.58
<i>JUN.PREC</i>	mm	48	63	70	74	87.77
<i>JUL.PREC</i>	mm	52	67.75	71.54	76	92.69
<i>AUG.PREC</i>	mm	38	45.72	48	50.8	72.5
<i>PREC.GC</i>	mm	197	240	255	269.6	340.5
<i>TEMP.GC</i>	°C	16.21	16.8	17.02	17.21	17.65
<i>TEMP.MIN.GC</i>	°C	11.5	12.13	12.38	12.69	13.27

RCP4.5 - 2080s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	52	61	68.56	72	86.58
<i>JUN.PREC</i>	mm	49	64	72	76.78	89.77
<i>JUL.PREC</i>	mm	49	63	66	69.91	86.69
<i>AUG.PREC</i>	mm	44	50.94	53	55.62	74.5
<i>PREC.GC</i>	mm	205	244	257	269.6	337.5
<i>TEMP.GC</i>	°C	16.02	16.59	16.82	17	17.47
<i>TEMP.MIN.GC</i>	°C	11.43	12	12.22	12.52	13.05

RCP8.5 - 2030s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	50	60	69	74.3	90.58
<i>JUN.PREC</i>	mm	42	57	64.16	68.2	82.77
<i>JUL.PREC</i>	mm	56	70	73	77	94.43
<i>AUG.PREC</i>	mm	44	50	52.57	55	71.5

<i>PREC.GC</i>	mm	204	244	257.4	270	338.5
<i>TEMP.GC</i>	°C	15.98	16.6	16.84	17.04	17.47
<i>TEMP.MIN.GC</i>	°C	11.53	12.03	12.18	12.43	12.95

RCP8.5 - 2050s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	51	62	69	72	85.58
<i>JUN.PREC</i>	mm	40	54.35	61.14	64.24	77.77
<i>JUL.PREC</i>	mm	45	57.06	59.94	62	75.52
<i>AUG.PREC</i>	mm	41	51	53	55.51	75.5
<i>PREC.GC</i>	mm	188	230	241.4	251	313.5
<i>TEMP.GC</i>	°C	16.47	17.05	17.27	17.46	17.91
<i>TEMP.MIN.GC</i>	°C	11.83	12.38	12.56	12.84	13.35

RCP8.5 - 2070s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	51	61	68	71	84.88
<i>JUN.PREC</i>	mm	42	57	64	68	80.77
<i>JUL.PREC</i>	mm	38.24	51.07	53.97	55.72	68.69
<i>AUG.PREC</i>	mm	30.76	40.33	43	45.25	68.5
<i>PREC.GC</i>	mm	173	214.7	227	238.5	302.5
<i>TEMP.GC</i>	°C	17.02	17.6	17.83	18.03	18.51
<i>TEMP.MIN.GC</i>	°C	12.28	12.86	13.05	13.33	13.85

RCP8.5 - 2080s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	50	60	68.61	73	88.58
<i>JUN.PREC</i>	mm	40	55.02	64.18	70	83.77
<i>JUL.PREC</i>	mm	40	53.68	56	59	73.69
<i>AUG.PREC</i>	mm	29	38.81	41	44	66.5
<i>PREC.GC</i>	mm	170	212	228.3	243	312.5
<i>TEMP.GC</i>	°C	17.26	17.84	18.06	18.27	18.75
<i>TEMP.MIN.GC</i>	°C	12.58	13.1	13.28	13.57	14.1

7. MOHC.HADGEM2.CC

Statistics for MOHC.HADGEM2.CC climate projections over the study area

RCP4.5 - 2030s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	60	68.83	78	84	98.58
<i>JUN.PREC</i>	mm	45	60.2	68	73	87.77
<i>JUL.PREC</i>	mm	48	59	61	63	81.69
<i>AUG.PREC</i>	mm	48	56.17	59	61.31	84.5
<i>PREC.GC</i>	mm	211	249.9	264	278	352.5
<i>TEMP.GC</i>	°C	17.51	18	18.21	18.4	18.9
<i>TEMP.MIN.GC</i>	°C	12.55	13.13	13.35	13.69	14.22

RCP4.5 - 2050s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	54	64	73.2	79	93.58
<i>JUN.PREC</i>	mm	38	55	63	66	80.77
<i>JUL.PREC</i>	mm	36	48.16	51.02	54.89	74.69
<i>AUG.PREC</i>	mm	40	48	50	52.61	73.6
<i>PREC.GC</i>	mm	176	219.5	235	249	322.6
<i>TEMP.GC</i>	°C	18.15	18.63	18.84	19.07	19.57
<i>TEMP.MIN.GC</i>	°C	13.15	13.62	13.82	14.16	14.62

RCP4.5 - 2070s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	46	57	66.34	71.38	86.58
<i>JUN.PREC</i>	mm	45	63	72	76	91.77
<i>JUL.PREC</i>	mm	39	53.06	56	58	77.69
<i>AUG.PREC</i>	mm	46	54	56.11	59	82.5
<i>PREC.GC</i>	mm	184.8	232	248	262	338.5
<i>TEMP.GC</i>	°C	18.16	18.62	18.82	19.01	19.53
<i>TEMP.MIN.GC</i>	°C	13.08	13.63	13.87	14.24	14.75

RCP4.5 - 2080s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	45	55	64.21	69	83.58
<i>JUN.PREC</i>	mm	44	61.87	69	73	89.77
<i>JUL.PREC</i>	mm	37	51.32	54	56	74.69
<i>AUG.PREC</i>	mm	42.63	50	52.55	55	77.5
<i>PREC.GC</i>	mm	177	223	238	250.6	325.5
<i>TEMP.GC</i>	°C	18.56	19.03	19.23	19.42	19.95
<i>TEMP.MIN.GC</i>	°C	13.4	13.97	14.2	14.58	15.08

RCP8.5 - 2030s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	45	55	63	67.72	83.58
<i>JUN.PREC</i>	mm	48	66	75.47	81.52	100.8
<i>JUL.PREC</i>	mm	44	56	58	60	77.69
<i>AUG.PREC</i>	mm	50.38	58	60.29	63	84.5

<i>PREC.GC</i>	mm	198.4	239.4	254.9	268.7	346.5
<i>TEMP.GC</i>	°C	17.96	18.45	18.67	18.87	19.32
<i>TEMP.MIN.GC</i>	°C	13	13.55	13.78	14.11	14.62

RCP8.5 - 2050s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	47	57.05	66	70	83.58
<i>JUN.PREC</i>	mm	46	62.09	70.97	75	90.77
<i>JUL.PREC</i>	mm	37	49	51.92	54.04	73.69
<i>AUG.PREC</i>	mm	36.99	46.7	49	51	71.5
<i>PREC.GC</i>	mm	176.8	219.1	235.1	248	319.5
<i>TEMP.GC</i>	°C	19.35	19.84	20.04	20.28	20.77
<i>TEMP.MIN.GC</i>	°C	14.3	14.78	14.99	15.34	15.8

RCP8.5 - 2070s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	47	55.01	65	71.03	89.5
<i>JUN.PREC</i>	mm	38	57	67	73	90.77
<i>JUL.PREC</i>	mm	31	44	47	49	67.69
<i>AUG.PREC</i>	mm	27.02	35	37.03	40	58.5
<i>PREC.GC</i>	mm	154	196	213.8	229.1	306.5
<i>TEMP.GC</i>	°C	20.75	21.28	21.47	21.72	22.19
<i>TEMP.MIN.GC</i>	°C	15.66	16.11	16.31	16.68	17.15

RCP8.5 - 2080s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	49	55.06	64	69.89	86.58
<i>JUN.PREC</i>	mm	33	52.78	64	71	90.77
<i>JUL.PREC</i>	mm	28	41	44	46.04	64.69
<i>AUG.PREC</i>	mm	27.98	36.39	39	41	65.5
<i>PREC.GC</i>	mm	148.6	189	208.3	226	307.5
<i>TEMP.GC</i>	°C	21.15	21.75	21.95	22.22	22.73
<i>TEMP.MIN.GC</i>	°C	16.1	16.57	16.75	17.12	17.62

8. MOHC.HADGEM2.ES

Statistics for MOHC.HADGEM2.ES climate projections over the study area

RCP4.5 - 2030s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	50	63	74.08	82.38	101.8
<i>JUN.PREC</i>	mm	49	63.03	70	75	90.77
<i>JUL.PREC</i>	mm	48	58	60	63	81.69
<i>AUG.PREC</i>	mm	54	61	63.01	66	81.5
<i>PREC.GC</i>	mm	216	252.3	265.9	280.3	355.7
<i>TEMP.GC</i>	°C	17.88	18.41	18.63	18.81	19.28
<i>TEMP.MIN.GC</i>	°C	13	13.58	13.79	14.09	14.63

RCP4.5 - 2050s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	55	67	77	83	97.58
<i>JUN.PREC</i>	mm	41.11	57	64	69.63	87.77
<i>JUL.PREC</i>	mm	46	55	57	59	77.69
<i>AUG.PREC</i>	mm	51	57.2	60	63	79.5
<i>PREC.GC</i>	mm	207.1	243	256	268.3	342.5
<i>TEMP.GC</i>	°C	18.72	19.28	19.52	19.77	20.18
<i>TEMP.MIN.GC</i>	°C	13.88	14.35	14.5	14.77	15.25

RCP4.5 - 2070s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	53	63	70.94	75	90.58
<i>JUN.PREC</i>	mm	40	55	63.91	70	88.77
<i>JUL.PREC</i>	mm	49	58	59.85	62	81.69
<i>AUG.PREC</i>	mm	51	58	60	62.36	78.5
<i>PREC.GC</i>	mm	206	239.3	251.6	265.4	339.5
<i>TEMP.GC</i>	°C	19.22	19.79	20.01	20.28	20.74
<i>TEMP.MIN.GC</i>	°C	14.38	14.81	14.98	15.27	15.7

RCP4.5 - 2080s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	53	62	68.52	72	85.58
<i>JUN.PREC</i>	mm	44	60	67.97	73	89.77
<i>JUL.PREC</i>	mm	50	58	61	64.31	84.69
<i>AUG.PREC</i>	mm	47	53.83	55.76	58	73.5
<i>PREC.GC</i>	mm	206	239	250.5	263	333.5
<i>TEMP.GC</i>	°C	19.12	19.68	19.92	20.18	20.63
<i>TEMP.MIN.GC</i>	°C	14.33	14.78	14.96	15.26	15.7

RCP8.5 - 2030s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	54	65.15	75	80	96.58
<i>JUN.PREC</i>	mm	39	55	63	69.07	87.77
<i>JUL.PREC</i>	mm	60	67	69	73	94.69
<i>AUG.PREC</i>	mm	46	52.5	55	57	74.5

<i>PREC.GC</i>	mm	209	244	259.2	275.5	353.5
<i>TEMP.GC</i>	°C	18.19	18.72	18.94	19.15	19.6
<i>TEMP.MIN.GC</i>	°C	13.3	13.8	13.99	14.27	14.77

RCP8.5 - 2050s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	53	64	69	73	88.58
<i>JUN.PREC</i>	mm	41	57	63.79	69.62	89.77
<i>JUL.PREC</i>	mm	50	60	63	66	84.69
<i>AUG.PREC</i>	mm	46	53	55	57.25	73.5
<i>PREC.GC</i>	mm	202.2	237.5	249	262.2	336.5
<i>TEMP.GC</i>	°C	19.32	19.9	20.13	20.38	20.8
<i>TEMP.MIN.GC</i>	°C	14.5	14.98	15.15	15.44	15.9

RCP8.5 - 2070s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	58	69	76	79.81	94.58
<i>JUN.PREC</i>	mm	41	57.26	66	71.78	90.77
<i>JUL.PREC</i>	mm	42	51.02	53.08	55	71.69
<i>AUG.PREC</i>	mm	42	49	50.9	53	68.5
<i>PREC.GC</i>	mm	195	232	243.9	255	325.5
<i>TEMP.GC</i>	°C	20.67	21.28	21.52	21.83	22.3
<i>TEMP.MIN.GC</i>	°C	15.9	16.35	16.5	16.75	17.17

RCP8.5 - 2080s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	62	75	83	86	100.6
<i>JUN.PREC</i>	mm	43	59	67	72.21	90.77
<i>JUL.PREC</i>	mm	39	48	49.69	50.89	66.69
<i>AUG.PREC</i>	mm	39	45	47	50	64.5
<i>PREC.GC</i>	mm	194	233.4	244	254	322.5
<i>TEMP.GC</i>	°C	21.2	21.9	22.15	22.5	23.02
<i>TEMP.MIN.GC</i>	°C	16.47	16.93	17.08	17.31	17.75

9. MPI.ESM.LR

Statistics for MPI.ESM.LR climate projections over the study area

RCP4.5 - 2030s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	56	65	68	70	80.58
<i>JUN.PREC</i>	mm	52	71	81	86	100.8
<i>JUL.PREC</i>	mm	59	67	68	71	92.69
<i>AUG.PREC</i>	mm	28	32.91	34.23	42.36	71.5
<i>PREC.GC</i>	mm	200	237.2	252.6	268.8	345.5
<i>TEMP.GC</i>	°C	15.62	16.26	16.48	16.67	17.12
<i>TEMP.MIN.GC</i>	°C	11.43	11.91	12.05	12.28	12.75

RCP4.5 - 2050s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	56	65	68.12	70	78.88
<i>JUN.PREC</i>	mm	51	67	78	86	104.8
<i>JUL.PREC</i>	mm	56	61	62.15	67	90.69
<i>AUG.PREC</i>	mm	38	43	45	50.83	77.5
<i>PREC.GC</i>	mm	208	237.1	252.5	272.9	351.5
<i>TEMP.GC</i>	°C	15.84	16.46	16.68	16.88	17.33
<i>TEMP.MIN.GC</i>	°C	11.63	12.1	12.24	12.47	12.95

RCP4.5 - 2070s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	59	70	77	80.02	94.58
<i>JUN.PREC</i>	mm	51	66.99	75.9	83.27	102.8
<i>JUL.PREC</i>	mm	46	53	54.78	58	76.69
<i>AUG.PREC</i>	mm	30.63	35	37	46	73.5
<i>PREC.GC</i>	mm	192	225.5	244.3	266.4	347.5
<i>TEMP.GC</i>	°C	16.24	16.86	17.09	17.29	17.75
<i>TEMP.MIN.GC</i>	°C	11.98	12.47	12.62	12.84	13.35

RCP4.5 - 2080s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	62	73.02	79.63	82.37	95.58
<i>JUN.PREC</i>	mm	51	67.98	75	80.64	97.77
<i>JUL.PREC</i>	mm	43	51	52	53.92	71.69
<i>AUG.PREC</i>	mm	28	31	33	41.98	69.83
<i>PREC.GC</i>	mm	189	224.5	239.4	257.2	334.5
<i>TEMP.GC</i>	°C	16.38	17.01	17.24	17.44	17.88
<i>TEMP.MIN.GC</i>	°C	12.11	12.59	12.74	12.97	13.45

RCP8.5 - 2030s

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	54	64	71	73.59	86.58
<i>JUN.PREC</i>	mm	52	68	76.99	82	97.77
<i>JUL.PREC</i>	mm	48	54	55	58.65	79.69
<i>AUG.PREC</i>	mm	29	35	36.09	44.85	72.5

<i>PREC.GC</i>	mm	189.4	221.9	238.6	258.1	336.5
<i>TEMP.GC</i>	°C	15.98	16.6	16.83	17.05	17.5
<i>TEMP.MIN.GC</i>	°C	11.58	12.08	12.22	12.45	12.93

RCP8.5 - 2050s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	57	68	75	77	89.56
<i>JUN.PREC</i>	mm	37	53	61.27	68	84.77
<i>JUL.PREC</i>	mm	47	51	52.35	56	76.69
<i>AUG.PREC</i>	mm	18.41	23	25.22	37.13	70.5
<i>PREC.GC</i>	mm	163.1	196.8	215	237.9	321.5
<i>TEMP.GC</i>	°C	16.65	17.29	17.55	17.79	18.2
<i>TEMP.MIN.GC</i>	°C	12.26	12.73	12.87	13.1	13.55

RCP8.5 - 2070s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	59	70.02	77	79	89.88
<i>JUN.PREC</i>	mm	43	58	64.14	68	80.63
<i>JUL.PREC</i>	mm	42	45	46	49.33	70.69
<i>AUG.PREC</i>	mm	13.25	18.16	21.11	35.83	71.5
<i>PREC.GC</i>	mm	159	192	209	232.2	311.8
<i>TEMP.GC</i>	°C	17.47	18.16	18.46	18.73	19.17
<i>TEMP.MIN.GC</i>	°C	13.16	13.64	13.77	13.95	14.37

RCP8.5 - 2080s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	66	75.23	78	80.28	88.58
<i>JUN.PREC</i>	mm	42	56.87	63.02	67.27	80.77
<i>JUL.PREC</i>	mm	31.65	34	36	41.96	64.69
<i>AUG.PREC</i>	mm	7	11	14	28.28	62.52
<i>PREC.GC</i>	mm	147.3	178	193.9	217	296.5
<i>TEMP.GC</i>	°C	17.77	18.51	18.85	19.14	19.68
<i>TEMP.MIN.GC</i>	°C	13.56	14.03	14.15	14.3	14.67

10. NCAR.CCSM4

Statistics for NCAR.CCSM4 climate projections over the study area

RCP4.5 - 2030s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	27.11	36	44.65	50	66.58
<i>JUN.PREC</i>	mm	33.21	47	51	55	74.77
<i>JUL.PREC</i>	mm	57	61.92	63	63.77	82.69
<i>AUG.PREC</i>	mm	42	50	52	54	79.5
<i>PREC.GC</i>	mm	169.1	198	207.8	221	303.5
<i>TEMP.GC</i>	°C	16.6	17.27	17.52	17.75	18.22
<i>TEMP.MIN.GC</i>	°C	11.68	12.18	12.39	12.73	13.32

RCP4.5 - 2050s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	19	31	41	47	63.58
<i>JUN.PREC</i>	mm	27	41	46	51	74.77
<i>JUL.PREC</i>	mm	57	63.4	65	68	88.69
<i>AUG.PREC</i>	mm	44.38	52	54	56	79.5
<i>PREC.GC</i>	mm	156	190	204.3	221	306.5
<i>TEMP.GC</i>	°C	17.08	17.72	17.96	18.18	18.65
<i>TEMP.MIN.GC</i>	°C	12.08	12.57	12.78	13.15	13.78

RCP4.5 - 2070s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	30	42	51	57	70.58
<i>JUN.PREC</i>	mm	26	41	44	46.13	62.77
<i>JUL.PREC</i>	mm	49	57	59.01	63.98	86.69
<i>AUG.PREC</i>	mm	44	53	55.1	57	82.5
<i>PREC.GC</i>	mm	160	196	208.7	223	302.5
<i>TEMP.GC</i>	°C	17.28	17.94	18.21	18.45	18.9
<i>TEMP.MIN.GC</i>	°C	12.21	12.77	12.96	13.28	13.93

RCP4.5 - 2080s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	30	40	47.66	52	65.58
<i>JUN.PREC</i>	mm	28	44.72	49	52	67.77
<i>JUL.PREC</i>	mm	47	56	58	62.18	82.69
<i>AUG.PREC</i>	mm	48.63	56	59	61	88.5
<i>PREC.GC</i>	mm	163.3	200.3	211.9	225.3	304.5
<i>TEMP.GC</i>	°C	17.21	17.92	18.2	18.45	18.9
<i>TEMP.MIN.GC</i>	°C	12.16	12.7	12.9	13.22	13.87

RCP8.5 - 2030s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	34	45	53.99	59	75.58
<i>JUN.PREC</i>	mm	35	49	55	60.91	82.77
<i>JUL.PREC</i>	mm	53	62	65	69.2	92.69
<i>AUG.PREC</i>	mm	51	63	65	67.91	89.5

<i>PREC.GC</i>	mm	183	220.8	237.3	255.6	340.5
<i>TEMP.GC</i>	°C	16.33	17.13	17.36	17.57	18.05
<i>TEMP.MIN.GC</i>	°C	11	12.14	12.45	12.81	13.45

RCP8.5 - 2050s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	30	40.15	50	56	71.58
<i>JUN.PREC</i>	mm	33	48	55.88	61.71	84.77
<i>JUL.PREC</i>	mm	58	64	65	66.42	85.69
<i>AUG.PREC</i>	mm	42.95	56.22	58	62	84.5
<i>PREC.GC</i>	mm	172.3	210	227.4	245	326.5
<i>TEMP.GC</i>	°C	17.31	18.06	18.3	18.54	19.03
<i>TEMP.MIN.GC</i>	°C	11.73	12.98	13.26	13.54	14.12

RCP8.5 - 2070s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	23	33.17	42	47	60.58
<i>JUN.PREC</i>	mm	27	44	50	55.62	76.77
<i>JUL.PREC</i>	mm	60	66	67	68.3	84.69
<i>AUG.PREC</i>	mm	32.02	41	42.94	46	69.5
<i>PREC.GC</i>	mm	150.3	186.2	199.8	215	291.5
<i>TEMP.GC</i>	°C	18.1	18.94	19.2	19.48	20.02
<i>TEMP.MIN.GC</i>	°C	12.48	13.65	13.95	14.23	14.8

RCP8.5 - 2080s -

	units	Min.	1st Qu.	Median	3rd Qu.	Max.
<i>MAY.PREC</i>	mm	21	31.65	40	44.99	59.58
<i>JUN.PREC</i>	mm	24	39.55	44.87	49	68.77
<i>JUL.PREC</i>	mm	49	55.41	57	61	80.56
<i>AUG.PREC</i>	mm	36.69	45	47	49	73.5
<i>PREC.GC</i>	mm	139	174.8	186.9	201.8	282.3
<i>TEMP.GC</i>	°C	18.45	19.28	19.55	19.85	20.42
<i>TEMP.MIN.GC</i>	°C	12.76	13.89	14.21	14.52	15.05