

Station Name: Ngaumu (NMU)

Period: 1993-11-04 - 2021-07-01

Length of record: 27 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	21.4	21.4	19.3	16.6	14.1	11.3	10.5	11.4	13.5	15.3	16.8	19.5	15.9	18.6
median	21.8	21.8	19.7	16.9	14.4	11.3	10.5	11.7	13.9	15.8	17.1	19.8	15.7	18.7
max	31.9	30.9	27.5	24.9	21.9	18.8	17.9	19	22.6	28.1	29.5	32.4	32.4	32.4
min	9.8	9.4	7.9	6	2	2.3	0.5	0.7	5.3	3.9	4.6	8.5	0.5	3.9
Relative Humidity, %														
mean	59.8	59	62.8	69	74.2	79.2	78.8	74.4	67.8	65.6	64.5	63.6	68.2	63.5
median	58	58	61	67	74	79.5	79.3	74	66	64	63	62	67	62
max	99	99	100	100	100	100	100	100	100	99	100	100	100	100
min	15	23	18.4	28.6	30.9	40.6	37.4	37.5	36	32	30.4	14.3	14.3	14.3
Wind Speed, km/h														
mean	14.4	14	13.5	12.5	12.5	12	12.5	13.7	15.4	15.4	15.6	15	13.9	14.3
median	13.6	12.8	12.2	11.5	11.2	10.8	11.5	13	14.8	14.2	14.7	13.7	12.7	13.2
max	64.1	45	49.3	40.4	46.1	46.4	51.8	44	50	57.5	46.8	48.7	64.1	64.1
min	2.3	0	0	0	0.9	0.9	0	0.7	0	2.5	0.9	1.8	0	0
24-hr Rainfall, millimeters														
mean	1.9	2.2	2.8	2.8	2.8	4	5	3.5	2.4	2.5	2.4	1.7	2.8	2.3
median	0	0	0	0	0	0.4	0.4	0.2	0	0	0	0	0	0
max	83.8	139.2	129.6	79	63.6	88	107.2	102.8	105.6	58	79.4	67.2	139.2	139.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	60.2	62.7	88.6	84.8	88.3	116.4	153.9	108.1	72.1	76.2	71.1	53.8	86.4	71
max	186	292.2	292.4	295.6	211.8	215.8	371	265.8	196.8	180.8	191.2	187.2	371	295.6
min	7.4	8	12	8	10.8	39	31.6	22.6	7.8	21.2	11	7.6	7.4	7.4
Seasonal Rainfall, millimetres														
mean													1036.3	497.6
max													1653.4	1017.2
min													588.4	178.4
Fine Fuel Moisture Code, FFMC														
mean	78.7	78.4	74.8	69.3	62	52.2	52	59.6	68.8	70.8	73.3	76.5	68	74.5
median	85.4	85.6	83.9	79.8	70.3	56.7	57.1	66.3	77.4	79.3	82.2	83.7	78.5	83.1
max	95.8	93.1	93	91.7	89.7	86.3	87.6	88.3	88.9	91.5	90	94.6	95.8	95.8
min	2	2.6	2.6	2.5	2.7	1.4	1.1	2.2	4.1	4	4	8.2	1.1	2
Duff Moisture Code, DMC														
mean	32	34.4	27.7	14.3	7.1	1.9	1.3	2.6	6.8	9	14.7	24	14.7	22.3
median	27.7	29	19.2	10.1	3.8	1	0.8	1.7	5.6	7.4	13	19.3	7.8	16
max	103	137.3	124.4	77.1	56.9	23.9	11	19.7	25.8	33.1	44.1	95.5	137.3	137.3
min	0.3	0	0	0	0	0	0	0	0	0	0	0.3	0	0
Drought Code, DC														
mean	301.8	359.5	348.8	271.6	199.7	95.2	36.9	20	31.7	47.5	103.1	190.9	167.8	231.7
median	325	399	341.6	270.1	158.6	41.1	12.1	10.8	23.3	40.1	100	194.1	100.5	197.4
max	569.1	731.5	803.3	685.7	716.4	541	303.2	301.8	145.7	195.5	234.5	402.1	803.3	803.3
min	7.2	5.1	3.5	2.3	1.2	0.1	0	0	0.7	1.7	4.4	5.3	0	1.7
Initial Spread Index, ISI														
mean	5	5	4.1	2.6	1.9	1.1	1.1	1.5	2.6	2.9	3.5	4.2	3	3.9
median	4.3	4.3	3.4	1.9	1.1	0.5	0.6	1	1.9	2.2	2.9	3.4	2	3.1
max	42.3	34.2	34.2	29.7	27.5	22.3	16.5	16.2	23.5	30.7	24.4	23.5	42.3	42.3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	49.1	53.7	44.4	24.3	12.3	3.2	2	3.3	8.2	11.4	20.7	35.1	22.4	34.1
median	44.5	47.9	33.5	17.4	6.6	1.6	1.4	2.3	6.8	9.6	18.8	30.7	11.8	24.8
max	130.1	186.9	168.9	118.6	94.6	43.1	13.1	20.6	30.2	38.3	58.7	113	186.9	186.9
min	0.6	0	0	0	0	0	0	0	0	0	0	0.7	0	0
Fire Weather Index, FWI														
mean	12.5	13.1	10	5	2.7	0.7	0.6	1	2.6	3.5	5.8	9.1	5.6	8.4
median	10.5	10.9	7	2.8	0.6	0.1	0.2	0.3	0.9	2	4.6	7.2	1.9	5.7
max	72.7	82.2	73.5	61.9	45.1	18.6	12.2	12.8	24.8	28.2	35.2	47.5	82.2	82.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	3.5	3.9	2.7	1	0.4	0.1	0	0.1	0.3	0.5	1	2.2	1.3	2.1
median	1.8	1.9	0.8	0.2	0	0	0	0	0	0.1	0.4	0.9	0.1	0.6
max	53.7	66.7	54.7	40.3	23	4.8	2.3	2.5	8	10	14.9	25.3	66.7	66.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	108.9	108.1	80.6	29.7	13.1	1.8	1.1	2.3	8.9	14.4	31	68.2	39	63
max	426.4	517.9	301.1	161.1	111.4	10.7	7.2	13.2	28.4	46.8	113.2	280.9	517.9	517.9
min	19.1	6.2	4.8	1.3	0.1	0	0	0	0.5	0.8	4.1	6.4	0	0.8
Cumulative Daily Severity Rating, CDSR														
mean													468.1	444.1
max													1526.9	1762.2
min													114.7	84.4

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	8.9	8.3	13	19.4	25.7	29.5	30.9	30.5	25.9	23.5	15.4	11.7	242.9	99.9
max	19	27	27	30	31	30	31	31	30	31	28	27	300	154
min	1	1	2	4	12	24	29	24	15	6	3	1	184	41
Moderate														
mean	11.5	10.1	10.9	8.5	4.6	0.5	0.1	0.5	4.1	7.3	13.2	13.5	84.7	75.3
max	21	21	22	22	16	6	2	7	15	23	25	23	125	114
min	4	2	3	0	0	0	0	0	0	0	2	4	40	51
High														
mean	7.1	6	4.3	1.6	0.4	0	0	0	0	0.2	1.2	3.7	24.4	23.9
max	16	14	14	9	4	0	0	0	1	2	9	11	52	57
min	0	0	0	0	0	0	0	0	0	0	0	0	3	0
Very High														
mean	1.7	2	1.6	0.3	0.2	0	0	0	0	0	0.1	1.3	7.2	7.1
max	5	8	8	3	3	0	0	0	0	0	2	8	19	24
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	1.2	1.4	1	0.1	0.1	0	0	0	0	0	0	0.7	4.5	4.4
max	6	8	7	2	2	0	0	0	0	0	0	7	19	26
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	0.6	0.5	0.2	0.1	0	0	0	0	0	0	0	0.1	1.6	1.6
max	9	9	3	2	1	0	0	0	0	0	0	2	22	24
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source Wairarapa (Wairarapa)														
Curing%	90	95	95	80	60	50	45	45	50	65	70	80		
Low														
mean	2.7	2.6	4.3	6	12.4	15.9	15.9	12.4	6.6	6	4.2	3.3	92.3	29
max	8	7	11	18	23	26	30	27	15	14	11	10	133	47
min	0	0	0	0	1	6	5	2	1	1	0	0	61	10
Moderate														
mean	10.1	8.3	10.7	17.3	17.9	13.9	14.9	18.3	21.6	21.7	18.8	14.6	187.9	101.7
max	21	19	25	26	28	24	24	28	26	28	27	27	210	139
min	4	2	3	10	8	4	1	4	13	13	10	4	165	62
High														
mean	13.3	11.8	12.2	6.1	0.6	0.2	0.2	0.3	1.8	3.2	6.5	10.8	67.1	63.8
max	21	22	21	18	4	2	3	3	5	11	17	18	88	89
min	6	1	2	0	0	0	0	0	0	0	0	0	33	26
Very High														
mean	3.4	4.1	2.8	0.5	0	0	0	0	0	0.1	0.4	1.9	13.3	13.2
max	8	10	8	3	1	1	0	0	1	1	2	12	31	38
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	1.3	1.3	0.9	0.1	0	0	0	0	0	0	0.1	0.5	4.1	4.2
max	8	8	10	2	0	0	0	0	0	0	1	4	28	33
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	0.1	0.1	0.2	0	0	0	0	0	0	0	0	0	0.4	0.4
max	1	2	2	0	0	0	0	0	0	0	0	0	5	5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scrub Fire Danger Class (SFDC) Frequency														
Low														
mean	4.1	3.7	5.6	8	11.8	16.2	16.3	13.2	7.8	7.1	5.7	4.8	104.4	38.9
max	10	11	11	19	22	26	30	28	16	15	12	14	143	59
min	0	0	0	1	2	7	6	3	2	2	0	1	76	15
Moderate														
mean	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	0	0	0	0	0	1	0	0	0	0	0	0	1	0
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	2.1	2.2	2.5	3.8	4.7	4.7	4.9	4.5	3.6	3.5	2.6	1.7	41.1	18.4
max	5	5	6	10	10	11	10	10	7	10	6	5	63	32
min	0	1	0	0	0	0	1	1	0	0	1	0	19	8
Very High														
mean	2.6	1.7	3.1	4.1	4.2	3.7	4.5	5	4.4	4.1	3.3	3.3	44.1	22.1
max	8	7	12	9	9	7	11	10	7	8	8	7	55	34
min	0	0	1	1	1	0	0	1	1	1	0	1	32	11
Extreme														
mean	6.4	6.6	7.6	7.9	6.5	4.2	4	5.9	8.4	8.8	7.9	8.6	82.7	54.9
max	15	14	14	16	15	13	13	13	18	15	14	20	106	79
min	1	2	2	2	0	0	0	0	3	4	4	3	52	34

