

Station Name: Blenheim Aero Aws (WBA)

Period: 1992-01-01 - 2021-07-01

Length of record: 29 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	22	22	20.2	17.3	14.3	11.4	10.6	12.2	14.4	16.4	18.2	20.5	16.6	19.5
median	22	22	20	17	14	11	10.6	12	14	16	18	20.3	16	19.1
max	32.3	32	28	25	23	19	17	20.5	23	27	33	32	33	33
min	12	12.8	10	9	6	2	3	5	5.2	8	9	8	2	8
Relative Humidity, %														
mean	53.9	54.4	55	59.1	63.9	68.1	66.7	62.4	60.1	59.1	55.5	55	59.4	56
median	53	52	54	57	62.7	67	65	61	59	58	55	55	59	55
max	100	100	100	99	99	99	99	100	100	100	99	100	100	100
min	11	12	17	18	30.5	26	32	27.1	23	17	9.1	14	9.1	9.1
Wind Speed, km/h														
mean	20.7	18.8	16.7	13.4	12.5	12.1	12.5	12.9	16.8	20	21.7	21.4	16.6	18.9
median	19	17.6	15	11	9	9.4	10.4	10.4	15	18.6	20	20	15	18
max	59	59	57	59	48	46	51.8	59	59	53.6	52	50	59	59
min	1.8	0	0	0	0	0	0	0	0	1.8	1.8	2	0	0
24-hr Rainfall, millimeters														
mean	1.6	1.7	1.5	2.1	2.4	2.7	2.4	2.5	2.1	2.3	1.8	1.8	2.1	1.8
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	107	95.2	55.6	80.2	72.4	79.9	101.6	83.8	79.4	59.8	59.2	58.2	107	107
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	49	46.3	42.8	59.3	68.1	78.9	74.4	76.4	63.4	70.7	55.5	55.1	61.7	54.1
max	143.8	200.6	73	156	190.4	195.8	217.4	307	163.8	159.6	231	125.8	307	231
min	2.8	3.4	7.6	2	19.2	12.6	12.2	22.4	10.8	11.2	4.8	4.2	2	2
Seasonal Rainfall, millimetres														
mean													739.8	387.1
max													1235.9	901.6
min													479.8	126
Fine Fuel Moisture Code, FFMC														
mean	82.8	82.9	81.5	77.1	72.4	67.6	69.2	70.5	74.1	75.7	79.5	80.8	76.2	80
median	87.2	87.2	86.7	85	82.3	77.8	79.6	79.1	82.2	83.2	85.5	86.3	83.9	86
max	97.1	95.8	94.1	93.4	92	89.3	88.5	89.8	92.1	95	97.2	96.1	97.2	97.2
min	19.8	11.2	9.8	1.7	5	1.6	5.4	8.1	11.6	2	12.9	12.8	1.6	1.7
Duff Moisture Code, DMC														
mean	39.7	48.3	39.1	25.6	14.1	6.2	4.2	5.9	10.5	14.1	25.9	33.8	22.2	32.3
median	35.1	39.8	31.1	20.4	9.7	4	3.4	4.9	9	11.9	20.8	27.3	13.7	25.1
max	122.5	203.8	207.1	122.9	74.1	33	18.1	20.4	36.7	57.5	122.9	123.7	207.1	207.1
min	1.8	3.1	1.8	0	0	0	0	0	0	0	0.4	0.3	0	0
Drought Code, DC														
mean	331.8	416.1	431.7	380.1	297.4	188.6	115.2	80.6	78.1	83.7	150.2	245.9	234.1	291.9
median	319.9	408.1	428.3	376.7	302.6	182.6	94.1	47.6	43.3	68.9	135.5	231.8	196.4	273.4
max	724.2	927.4	1049.4	1057.8	876	758.6	430.2	442.4	385	413.4	364.1	502.6	1057.8	1057.8
min	48.2	26.2	32.5	3.7	1.3	0.6	0.6	1.1	1	2.4	4.5	6.5	0.6	2.4
Initial Spread Index, ISI														
mean	9.8	8.6	7.2	4.5	3.3	2.3	2.5	2.9	4.6	6.3	8.7	9.4	5.8	7.8
median	7.1	6.6	5.4	3.4	2.4	1.7	1.9	2	2.9	3.9	6	6.8	3.5	5.5
max	127.8	69	53.6	35.6	29.1	21.2	35.7	26.6	42.4	86.6	55.8	85	127.8	127.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	59.5	72.2	62.1	42.1	24.1	10.8	6.8	8.7	14.1	18.3	34.5	48.5	33.5	48.2
median	53.8	62.6	51.1	35.4	17	7.2	5.8	6.9	12	15.3	29.1	41.1	21.2	39
max	172.2	263.1	266.5	190.5	122.3	59.5	30.9	34.6	55.6	72.1	129.5	131.2	266.5	266.5
min	3.3	5.2	3.3	0	0	0	0	0	0	0	0.7	0.5	0	0
Fire Weather Index, FWI														
mean	21.9	21.7	17.7	10.5	5.9	2.8	2.3	2.9	5.7	8.6	15.4	19.4	11.2	16.5
median	18.3	18.5	14.6	8	3.4	0.9	0.9	1.1	3.4	5.6	11.7	15.2	6	12.7
max	97.8	121.7	84.1	74	45.3	34.9	25.8	30.3	52.9	81.9	85.9	123	123	123
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	9	8.8	6.4	2.9	1.2	0.4	0.3	0.4	1.1	2.3	5.7	7.9	3.8	6.1
median	4.7	4.8	3.1	1.1	0.2	0	0	0	0.2	0.6	2.1	3.4	0.7	2.5
max	90.7	133.6	69.4	55.3	23.2	14.6	8.6	11.4	30.5	66.3	72.1	136	136	136
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	285.8	252.1	202.8	88	39.4	12.4	7.8	11.8	34.4	69.8	170.7	245.7	118.4	187.8
max	668.8	721.2	580.5	319.1	159.1	48.8	26.2	31.1	149.9	226.9	790.1	762.7	790.1	790.1
min	80.2	47.6	26.7	6.5	2.9	0.1	0.8	0.4	1	8.6	13.2	22.4	0.1	6.5
Cumulative Daily Severity Rating, CDSR														
mean													1420.7	1309.7
max													2805.5	3280.6
min													354.2	350.8

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Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	4.5	3.6	5.4	10.3	19	24.7	28.1	26.4	19.4	16.1	8.3	6.4	172.2	55.3
max	13	10	20	26	31	30	31	31	30	29	24	20	242	102
min	0	0	0	0	2	8	20	15	5	2	0	0	98	13
Moderate														
mean	8.6	7.8	11.1	12.8	9.5	4.9	2.9	4.5	9.1	11	11.5	10.2	103.9	72.7
max	18	15	22	21	19	19	11	16	17	21	19	21	164	98
min	2	1	3	4	0	0	0	0	0	2	1	2	71	47
High														
mean	7	7.5	6.7	4.1	1.5	0.3	0	0.1	1	2.8	5	5.8	41.8	38.6
max	16	14	15	13	10	3	1	2	6	10	10	14	61	59
min	0	2	0	0	0	0	0	0	0	0	0	1	18	17
Very High														
mean	3.9	3.1	2.8	1	0.7	0.1	0	0	0.4	0.6	2.2	2.8	17.6	16.5
max	10	7	8	4	4	1	0	0	6	5	8	10	36	30
min	1	0	0	0	0	0	0	0	0	0	0	0	4	5
Extreme														
mean	4.1	3.8	3.6	1.3	0.4	0	0	0	0	0.5	1.7	3	18.5	17.9
max	13	11	10	6	4	1	0	0	1	3	11	14	44	44
min	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Very Extreme														
mean	2.9	2.5	1.5	0.3	0	0	0	0	0	0	1.3	2.7	11.3	11.3
max	10	11	9	3	0	0	0	0	0	1	13	13	36	44
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing sourcelandborough (Marlborough/Kaikoura)														
Curing%	90	95	80	65	55	50	45	55	65	70	80	85		
Low														
mean	1.5	1.2	1.9	3.8	5.9	7.5	7.6	7.2	4.4	3.9	2.1	2	49	16.5
max	4	5	5	14	15	15	14	17	10	11	11	6	76	31
min	0	0	0	0	1	2	1	2	1	0	0	0	31	3
Moderate														
mean	5.1	4.3	9.4	19.9	20.7	20.6	21.6	20.4	18.7	14.4	8.6	6.9	170.6	68.5
max	10	9	18	25	30	26	28	27	24	24	18	19	207	91
min	1	1	3	12	11	14	15	13	12	8	2	1	145	48
High														
mean	11	11	12.5	5.4	4	1.8	1.8	3	5.9	8.8	10.9	10	86.2	70
max	21	19	18	13	12	5	5	8	12	18	17	15	117	95
min	5	4	5	1	0	0	0	0	0	2	5	2	65	49
Very High														
mean	6.4	6.1	4.7	0.8	0.4	0.1	0.1	0.3	0.9	2.8	3.9	6.3	32.9	30.9
max	15	11	9	5	3	1	1	2	4	6	7	14	47	41
min	1	1	0	0	0	0	0	0	0	0	1	0	11	18
Extreme														
mean	5.5	4.4	2.4	0.1	0	0	0	0	0.2	1.1	4	5	22.6	22.4
max	10	10	8	1	0	0	0	0	2	5	13	10	39	46
min	1	0	0	0	0	0	0	0	0	0	0	0	6	6
Very Extreme														
mean	1.4	1.2	0.1	0	0	0	0	0	0	0	0.5	0.8	4	4
max	5	5	1	0	0	0	0	0	0	0	6	4	12	18
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scrub Fire Danger Class (SFDC) Frequency														
Low														
mean	2.4	1.9	2.6	4.2	6.3	8.1	8	7.7	5.3	4.8	3.2	3	57.6	22.2
max	6	6	6	15	16	16	14	15	11	11	12	8	80	40
min	0	0	0	0	1	2	3	3	1	0	0	0	39	8
Moderate														
mean	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
max	0	0	0	0	0	0	0	1	0	1	1	0	2	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	0.6	0.6	1.3	2	3.4	4.2	4.2	3.8	2.7	2.2	1.1	1.2	27.3	9
max	2	3	3	6	8	9	9	10	9	8	4	5	40	19
min	0	0	0	0	0	0	1	1	0	0	0	0	14	2
Very High														
mean	1.5	1.3	1.8	2.4	3.7	4.6	4.7	4.3	3.2	2.9	2.2	1.7	34.4	14.1
max	3	4	6	6	7	10	8	11	7	6	8	6	49	26
min	0	0	0	0	0	0	1	0	1	0	0	0	22	5
Extreme														
mean	3.8	3.9	6.4	10	10.7	9	9.2	9.4	8.4	6.1	4.6	4.1	85.8	38.2
max	7	7	12	19	21	14	18	20	15	13	9	10	103	53
min	0	1	1	2	4	1	4	3	4	2	1	1	65	22

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Very Extreme														
mean	22.8	20.6	18.9	11.3	6.8	4.1	4.9	5.7	10.2	15	18.8	21	160.1	128.7
max	29	27	26	28	20	10	12	12	19	24	28	28	199	163
min	16	13	8	2	0	0	0	0	2	6	8	7	101	90