

Station Name: Lauder Ews (LAE)

Period: 1991-10-01 - 2021-07-01

Length of record: 29 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
<b>Temperature, degrees Celsius</b>														
mean	19.6	19.3	16.7	13	9.4	5.2	4.8	7.7	11	13.4	15.6	18.2	12.8	16.5
median	19.6	19.4	16.6	12.8	8.9	4.9	4.8	7.4	11.1	13.4	15.4	18.4	12.9	16.4
max	32.9	31.4	30	25.5	22.3	17.4	16.4	18.7	22	29	27.3	29.3	32.9	32.9
min	3.6	5	5	0.3	-3.6	-9.4	-14.1	-2.1	0.3	3.2	2	6.5	-14.1	0.3
<b>Relative Humidity, %</b>														
mean	49.3	51.9	54.8	61.2	69	75.2	73.4	65.4	55.6	52.9	49.7	48.5	58.9	52.6
median	46.7	50	54	61	70	76.8	74	66	54.9	51.2	47.1	46	58	51
max	100	100	100	99.9	100	100	100	100	100	100	96.6	100	100	100
min	10	14	16	24.2	24	30.4	10	22	10	21.4	16	13	10	10
<b>Wind Speed, km/h</b>														
mean	15.1	12.7	12.5	10.6	9.8	8.2	8.1	9.8	13.7	16	16.2	15.5	12.4	14.1
median	10.3	8.6	8	6.5	6	5	5	5.8	9	11.9	12.2	11	7.9	9.4
max	73	61.6	77	52.2	76	60.8	88.1	57.8	86.8	83.2	57.4	71.5	88.1	83.2
min	0	0	0	0	0	0	0	0	0	0	0	0.8	0	0
<b>24-hr Rainfall, millimeters</b>														
mean	1.7	1.6	1.2	1.2	1.1	1.1	0.8	0.6	0.9	1.3	1.5	1.7	1.2	1.5
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	69.4	55.6	45.4	62.2	60.4	48.8	37.4	20.4	30.2	32	39	55.2	69.4	69.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Rainfall, millimetres</b>														
mean	50.4	46.2	37.6	37.7	34.2	33.3	23.9	17.4	27.7	39.9	44.9	51.2	37	44
max	156.6	146.2	87.2	90.8	79.4	104.8	61.4	49.6	84.4	77.4	110.4	142.2	156.6	156.6
min	5.8	4	2	5.6	8.4	1.8	2.8	0	4.4	5.8	1.6	0.2	0	0.2
<b>Seasonal Rainfall, millimetres</b>														
mean													444.4	309.5
max													700.7	498.9
min													224.2	168.6
<b>Fine Fuel Moisture Code, FFMC</b>														
mean	81.1	80.6	79.1	75.8	70.4	64.9	69.4	74.5	78.1	77.9	79.1	80.2	75.9	79.1
median	87.4	86.8	85.5	82.6	78.2	72.5	76.3	80.2	84	84.3	86.2	86.8	82.7	85.5
max	97	95.5	94.5	91.9	90.6	89.8	87.9	91.2	94.2	92.2	95	96	97	97
min	7.5	1.5	7.9	8.6	0.6	3.2	6.9	13.9	8.8	12.4	12.2	12.4	0.6	1.5
<b>Duff Moisture Code, DMC</b>														
mean	40.7	40.2	34.6	27.4	13.7	6.2	4.3	7.5	16.1	20.9	26.3	35.2	22.8	32.1
median	28.7	34	27.5	22.4	10.6	4	3.1	6.6	13.8	18.3	22.9	27.1	15.8	25.4
max	201.5	151.4	128.7	96.5	58.9	29.1	27	27.1	50.5	63.9	83.1	156.8	201.5	201.5
min	3.2	3.4	0.2	0.5	0	0	0	0	0.2	1.1	1	0.6	0	0.2
<b>Drought Code, DC</b>														
mean	407	430.5	450.1	454.1	390	330.3	280.5	271.5	272.6	272.6	306.4	368	353	383.5
median	388	419.2	457	462.9	402.3	319.9	263.9	260	264.4	285.1	325	362.4	334.9	369.2
max	916.3	868.6	876	761.2	674.6	642.3	533.6	494.3	502.6	496.6	567.7	770.4	916.3	916.3
min	54.4	155	108.6	173.6	114.5	97.2	92.7	84.8	10.1	18	75.6	14.2	10.1	14.2
<b>Initial Spread Index, ISI</b>														
mean	8.6	6.7	5.8	3.7	2.5	1.7	1.8	2.9	5.1	6.3	7.5	7.8	5.1	6.6
median	4.7	4.3	3.4	2.2	1.4	0.9	1.1	1.6	2.8	3.3	4.3	4.8	2.5	3.7
max	89.4	65.4	58.7	45.3	43	37.2	37.8	45.4	73.3	65.8	56.7	70.2	89.4	89.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Buildup Index, BUI</b>														
mean	62.9	63.3	56.1	46	24.3	11.5	8.1	13.6	27	33.6	41.7	55	37	51.1
median	47.2	55.9	47.9	39.4	19.8	7.7	6	12.2	24	30.2	38	44.3	27.7	42.5
max	260	210.9	188.3	134.3	92.7	51.4	47.3	47.7	72.2	90.7	121.6	207.8	260	260
min	6.1	6.7	0.4	1	0	0	0	0	0.5	2.1	1.9	1.2	0	0.4
<b>Fire Weather Index, FWI</b>														
mean	19.1	16.8	14.3	8.7	4.4	2	1.6	3.6	8.5	11.1	14.7	17.3	10.2	14.6
median	13.4	12.8	10.2	5.7	1.9	0.5	0.6	1.5	5.6	7.1	10.7	12.9	4.9	10
max	116.3	107.3	105.2	73.9	54.5	39	23.9	50.9	76.3	79.2	93.9	101.4	116.3	116.3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daily Severity Rating, DSR</b>														
mean	8.3	6.5	5.2	2.3	0.9	0.3	0.2	0.7	2.2	3.4	5.3	6.9	3.5	5.4
median	2.7	2.5	1.7	0.6	0.1	0	0	0.1	0.6	0.9	1.8	2.5	0.5	1.6
max	123.1	106.9	103.2	55.2	32.2	17.8	7.5	28.5	58.5	62.4	84.3	96.6	123.1	123.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Severity Rating, MSR</b>														
mean	263.4	184.4	158.6	67.6	27	9.5	5.3	20.5	66	106.3	161.5	218.1	107.3	165.7
max	811.5	665	478.9	256	133.2	36.3	25.9	97.3	282.4	319.2	643.5	819	819	819
min	22.3	24.2	4.5	7.4	0.5	0.2	0.1	0.7	15.6	11.9	26.8	29.1	0.1	4.5
<b>Cumulative Daily Severity Rating, CDSR</b>														
mean													1288.2	1148.4
max													2718.1	2531.2
min													547.9	268.5

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
<b>Forest Fire Danger Class (FFDC) Frequency</b>														
<b>Low</b>														
mean	6.8	7	9.7	13.4	21.9	26.8	29	24.4	13.1	11.8	8.8	8.4	181.1	65.7
max	21	18	28	27	31	30	31	31	25	27	22	25	246	117
min	1	1	0	1	4	16	17	13	1	4	0	0	122	24
<b>Moderate</b>														
mean	10	9.5	11.6	12.1	7.5	2.9	2	5.8	12.9	12.1	10.6	9.3	106.1	75.9
max	21	18	20	26	21	14	13	17	24	20	17	17	165	107
min	2	1	3	2	0	0	0	0	4	3	4	2	70	47
<b>High</b>														
mean	6.1	5.5	4.4	2.7	1	0.2	0	0.6	2.4	4.1	5.2	5.8	37.9	33.6
max	13	14	14	13	5	2	1	4	7	10	11	11	66	50
min	2	0	0	0	0	0	0	0	0	0	1	1	19	12
<b>Very High</b>														
mean	2.6	2.1	1.8	0.8	0.3	0.1	0	0.2	0.9	1.4	2.2	2.9	15.3	13.6
max	9	6	7	5	3	1	0	4	5	4	7	9	34	33
min	0	0	0	0	0	0	0	0	0	0	0	0	5	3
<b>Extreme</b>														
mean	2.6	2.5	2.3	0.8	0.3	0	0	0	0.5	1.5	2.1	2.6	15.1	14.1
max	9	7	12	4	3	0	0	1	4	6	8	10	29	28
min	0	0	0	0	0	0	0	0	0	0	0	0	5	2
<b>Very Extreme</b>														
mean	2.9	1.7	1.3	0.3	0	0	0	0	0.1	0.2	1.1	2	9.6	9.4
max	10	9	9	3	0	0	0	0	2	2	9	14	33	29
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Grass Fire Danger Class (GFDC) Frequency</b>														
<b>Curing source</b> Otago (Inland Otago)														
Curing%	80	90	80	60	50	50	60	70	60	40	40	70		
<b>Low</b>														
mean	2.3	2.1	3.1	5.6	7.2	10.4	9.7	4.2	4.1	4.3	4.1	2.9	60.1	24.4
max	10	7	8	13	17	21	23	11	13	10	14	11	81	48
min	0	0	0	0	0	0	0	0	0	0	0	0	37	13
<b>Moderate</b>														
mean	10.7	9.1	15	21.6	21.1	18.3	20.4	22.6	20.8	18.8	16.6	13.7	208.5	105.4
max	21	18	23	29	28	30	29	29	28	24	23	21	242	130
min	1	1	5	13	13	9	6	14	13	13	10	6	176	77
<b>High</b>														
mean	10.6	10.3	7.7	2.6	2.3	1	0.8	3.2	4.2	6.3	7.1	9.1	65.2	53.8
max	19	18	15	6	8	6	3	9	13	12	12	18	91	79
min	4	3	2	0	0	0	0	0	0	2	2	3	40	28
<b>Very High</b>														
mean	2.8	2.9	3	0.3	0.3	0.3	0.1	0.7	0.8	1.4	2.1	3.2	17.8	15.7
max	8	7	12	3	2	2	1	4	4	4	8	8	30	27
min	0	0	0	0	0	0	0	0	0	0	0	0	3	4
<b>Extreme</b>														
mean	3.9	3.1	1.9	0	0.1	0	0	0.4	0	0.1	0.1	2.1	11.8	11.2
max	9	7	7	0	1	0	0	3	1	1	2	7	24	23
min	1	0	0	0	0	0	0	0	0	0	0	0	5	4
<b>Very Extreme</b>														
mean	0.8	0.9	0.2	0	0	0	0	0	0	0	0	0	1.9	1.8
max	5	4	2	0	0	0	0	0	0	0	0	0	8	8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Scrub Fire Danger Class (SFDC) Frequency</b>														
<b>Low</b>														
mean	3.2	3.1	3.8	4.2	7.1	9.6	7.3	4.6	3.4	4.1	3.8	3.5	57.7	25.6
max	11	9	10	11	16	21	17	12	11	8	13	11	81	48
min	0	1	0	0	0	0	0	0	0	0	0	0	37	12
<b>Moderate</b>														
mean	0	0	0.1	0.1	0	0.2	0.1	0.1	0	0	0	0	0.6	0.2
max	0	0	2	2	1	3	2	1	0	0	0	1	4	2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>High</b>														
mean	2	2.8	3	4.9	6.7	9.6	9.8	7.1	3.6	3.6	2.6	3	58.7	21.7
max	7	8	8	10	16	18	19	15	8	6	7	9	79	41
min	0	0	0	0	0	2	3	1	0	0	0	0	36	12
<b>Very High</b>														
mean	1.8	2.3	2.8	5.2	7	4.4	6.9	8	3.8	3.4	1.8	2	49.5	19.1
max	6	6	9	14	17	12	14	14	9	9	3	9	71	39
min	0	0	0	0	2	0	0	1	0	1	0	0	33	5
<b>Extreme</b>														
mean	6.8	5.9	8.9	9.2	5.7	3.7	4.2	5.9	9	7.6	6.4	5.6	78.8	50.8
max	16	14	15	24	14	10	14	14	17	14	12	13	114	77
min	2	0	2	2	1	0	0	0	3	1	1	2	48	25

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
<b>Very Extreme</b>														
mean	17.2	14.2	12.4	6.5	4.4	2.6	2.6	5.3	10.2	12.3	15.4	16.8	120.1	94.9
max	28	24	24	14	14	7	8	18	21	23	27	27	166	135
min	6	3	1	1	0	0	0	0	2	3	7	4	77	44