

Station Name: Lees Valley Raws (LEV)

Period: 1997-11-08 - 2021-07-01

Length of record: 23 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
<b>Temperature, degrees Celsius</b>														
mean	19.9	20	17.7	14.1	11	7.3	7	8.9	11.9	13.7	15.6	17.9	13.8	17
median	20	20.4	17.9	13.9	10.7	6.6	6.5	8.8	12	14.4	15.8	18.4	13.8	17.1
max	33.6	34.6	30.3	24.1	22.8	19.2	17.9	23.2	23.6	26.4	29.3	30.1	34.6	34.6
min	3.6	6.8	5.8	0.5	-0.8	-4.7	-3.9	-2.3	0.1	0.4	0.3	5.7	-4.7	0.3
<b>Relative Humidity, %</b>														
mean	51	51.2	54.1	59.9	65.3	72.6	69.8	63.6	54.4	54	53.4	52.9	58.5	53.8
median	47	48	52	57	64	75	71	62	50	50	50	51	55	51
max	100	100	100	100	100	100	100	100	100	100	100	100	100	100
min	11	11	11	12	17	21	24	13	13	10	11	15	10	10
<b>Wind Speed, km/h</b>														
mean	19	17.5	15.9	13.5	13.1	11.2	11.4	13.1	17	19.6	20.2	20.1	16	18
median	18	15.2	13.3	9.4	8.2	6.1	6.8	9	14.4	17.5	19.4	18.9	13.8	16.6
max	74.1	73.4	64.8	72	93.4	75	86.6	74.1	98.6	78.3	66.3	75	98.6	78.3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>24-hr Rainfall, millimeters</b>														
mean	2.1	2.2	1.8	2.4	3.1	3.3	2.9	3	2.2	2.8	2.3	2.3	2.5	2.3
median	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0
max	82.8	109	63.8	85.8	166.6	88.4	92.6	132.8	83.8	70.2	50.8	62	166.6	109
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Rainfall, millimetres</b>														
mean	64.6	64.4	57.3	74.5	83.2	96.2	88.6	93.8	66.9	86.6	68.3	71	76.3	69.5
max	275.3	254.7	147.5	258.7	293.6	350.2	232	348.2	355.3	194	145.4	256.8	355.3	275.3
min	4.6	3.6	18.4	5.8	10.6	27.2	19.8	17.4	13	0.5	0.2	13	0.2	0.2
<b>Seasonal Rainfall, millimetres</b>														
mean													915.5	488.7
max													1999.5	936
min													439.8	170.8
<b>Fine Fuel Moisture Code, FFMC</b>														
mean	80.3	80.5	78.8	71.9	64.8	56.2	59.4	65.2	73.4	72.8	76.8	78.5	71.5	77.1
median	87.2	87	85.4	81.6	77.9	61.3	67.2	75.5	81.7	81.8	84.9	85.4	81.9	85.1
max	96.8	96.6	95.7	94.5	91.8	88.8	88.4	93.5	94.1	95.8	95	95.3	96.8	96.8
min	0	3.5	6.4	0	0.2	0	0.3	0	0	2.5	9.7	8.4	0	0
<b>Duff Moisture Code, DMC</b>														
mean	32.4	41.9	35.7	20.7	11.9	3.1	2.4	4.5	10.2	14.2	21.2	28.2	18.9	27.7
median	26	32.7	25.8	14.1	7.4	1.9	1.7	3.8	9.6	10.5	16.7	22.2	10.9	20.3
max	126.6	138.6	168.3	82.3	80.9	22.4	11.4	16.9	32.2	65.5	84.8	164.3	168.3	168.3
min	0	0.8	0	0	0	0	0	0	0	0	0	1	0	0
<b>Drought Code, DC</b>														
mean	260.2	336.4	345.9	324.1	248.9	126.3	64.7	43.8	45.3	58.9	105.3	181.4	179.4	230.3
median	257.7	319.8	314.1	295	215.3	86.9	14.8	13.6	25.4	34.7	85.8	181.7	140	200
max	673.4	855.6	887.5	830.2	839.3	638.5	318.2	186.7	195.6	275.8	318.4	462	887.5	887.5
min	5.3	4.6	3.4	0.9	0	0	0	0	0	1.2	3.2	4.5	0	0.9
<b>Initial Spread Index, ISI</b>														
mean	9.4	8.5	7.1	4.4	3.4	2	1.9	2.9	5	6.1	7.3	8.1	5.5	7.3
median	6.3	5.7	4	2.2	1.6	0.7	0.8	1.4	2.9	3.6	4.9	5.5	2.8	4.5
max	79.3	61.9	67.2	40.7	41.6	32.8	32.2	31.4	41.9	49.3	52.2	60.7	79.3	79.3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Buildup Index, BUI</b>														
mean	47.5	61.8	54.1	34.5	20.1	5.1	3.6	5.8	12	16.8	26.6	38.4	27.3	39.9
median	40.6	49.8	40.9	24.2	12.9	3.1	2.2	4.7	10.7	12.6	22.4	33.2	16	30.3
max	172.3	194.5	226.4	131.9	124.8	41.3	19.1	24.1	39	65.6	93.8	171.9	226.4	226.4
min	0	1.1	0	0	0	0	0	0	0	0	0	1.4	0	0
<b>Fire Weather Index, FWI</b>														
mean	18.5	19.3	15.1	8.7	5.3	1.6	1.4	2.4	5.6	7.8	11.5	14.8	9.4	13.7
median	15.4	15.5	10.9	4.3	1.7	0.3	0.3	0.6	3.2	4.5	8.7	11.4	4	9.5
max	120.5	101.1	90.4	61.3	56.7	31.4	27.3	24.7	35.5	60.6	56	86.3	120.5	120.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daily Severity Rating, DSR</b>														
mean	7.4	7.8	5.5	2.6	1.3	0.2	0.2	0.3	1.1	2	3.3	5.2	3.1	4.8
median	3.4	3.5	1.9	0.4	0.1	0	0	0	0.2	0.4	1.3	2	0.3	1.5
max	131.2	96.2	78.9	39.7	34.6	12.2	9.5	8	15.1	38.9	33.8	72.7	131.2	131.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Severity Rating, MSR</b>														
mean	236.2	224.2	168.7	73.7	39	7.2	5	9.8	32.7	62.5	96.1	161.5	93	146.1
max	707.1	546.5	547.1	283.6	214.6	34.4	24.3	26.4	75.3	270.4	194.9	564.7	707.1	707.1
min	23.6	23.5	20.7	9.1	0	0.4	0.1	0.8	4.7	2.9	12	9.5	0	2.9
<b>Cumulative Daily Severity Rating, CDSR</b>														
mean													1116.5	997
max													2141.2	2134.4
min													350.6	255.6

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<b>Forest Fire Danger Class (FFDC) Frequency</b>														
<b>Low</b>														
mean	7.7	6.6	9	16	21.9	28	29.9	28.2	20	17.7	11.7	9.8	206.4	78.7
max	23	22	23	27	31	30	31	31	30	31	25	28	281	121
min	0	0	1	2	10	22	24	21	9	1	0	1	148	29
<b>Moderate</b>														
mean	8.5	7.8	11.3	9.1	7	1.7	1.1	2.8	9	10	10.9	10.1	89.5	68.8
max	17	16	19	16	16	6	6	10	17	18	17	24	116	94
min	2	2	6	3	0	0	0	0	0	0	5	2	60	52
<b>High</b>														
mean	6.5	5	5	2.4	1.2	0.2	0	0	1	2.1	4.7	5.9	34	31.3
max	12	14	10	12	5	4	1	0	5	9	15	12	60	56
min	1	0	0	0	0	0	0	0	0	0	0	0	13	15
<b>Very High</b>														
mean	3.2	3.4	2.1	1.1	0.5	0	0	0	0	0.6	1.9	2.8	15.6	14.6
max	9	7	7	4	7	0	0	0	0	5	7	7	29	26
min	0	0	0	0	0	0	0	0	0	0	0	0	2	1
<b>Extreme</b>														
mean	3.2	3.3	2.3	1	0.2	0	0	0	0	0.6	0.8	1.4	12.7	12.3
max	8	7	9	5	3	0	0	0	0	5	5	6	29	32
min	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<b>Very Extreme</b>														
mean	2	2.2	1.1	0.4	0.2	0	0	0	0	0	0	1	7	6.4
max	11	7	7	4	2	0	0	0	0	0	1	11	26	26
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: Carterbury (Foothills (N of Rakaia))</b>														
Curing%	80	90	90	70	55	25	15	25	35	40	65	75		
<b>Low</b>														
mean	2.4	2.2	2.9	5.9	9.9	16.8	19.2	12.8	6.7	6.1	3.9	2.8	91.6	26
max	9	7	8	14	29	27	28	24	15	13	9	8	131	41
min	0	0	0	0	0	9	8	7	2	0	0	0	59	7
<b>Moderate</b>														
mean	8.9	6.8	10.4	16.7	15.7	12.1	11.6	16.7	18	16.6	13.3	10.7	157.4	83.9
max	18	16	20	23	27	20	22	23	27	23	18	21	195	111
min	2	1	4	11	2	3	3	7	12	10	7	4	127	60
<b>High</b>														
mean	9.1	9.3	8.6	5	4.6	1.1	0.2	1.5	5	7.1	9.3	10.3	71.1	59.2
max	17	17	15	11	12	4	1	6	10	13	19	20	95	88
min	4	4	3	1	0	0	0	0	0	0	5	2	50	39
<b>Very High</b>														
mean	5.5	4.3	4.4	1.8	0.7	0	0	0	0.4	1.2	3.2	4.6	26	24.7
max	9	9	9	4	2	0	0	0	3	7	8	10	41	36
min	1	1	1	0	0	0	0	0	0	0	0	2	17	16
<b>Extreme</b>														
mean	4.4	4.7	3.7	0.7	0.2	0	0	0	0	0	0.3	2.6	16.6	15.9
max	11	8	8	4	2	0	0	0	0	0	2	9	28	28
min	0	0	0	0	0	0	0	0	0	0	0	0	3	2
<b>Very Extreme</b>														
mean	0.7	0.8	0.9	0	0	0	0	0	0	0	0	0.1	2.6	2.5
max	4	4	5	0	0	0	0	0	0	0	0	1	11	12
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	3.7	3.4	4.1	6.9	10.3	14.4	13.1	10.4	6.2	6.9	4.9	4.5	88.8	34.2
max	12	9	10	14	29	26	21	21	15	12	11	11	146	52
min	0	0	1	0	1	8	2	4	2	0	0	0	55	13
<b>Moderate</b>														
mean	0	0	0	0	0	0.2	0	0	0.1	0	0	0	0.7	0.2
max	0	1	1	1	1	3	1	1	1	1	0	1	4	2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>High</b>														
mean	1.4	1.3	2.7	4.6	3.7	4.3	6.1	4.8	2.7	2.3	2.1	1.5	37.5	16.1
max	5	3	8	14	11	8	11	9	7	6	5	6	55	29
min	0	0	0	1	0	0	0	1	0	0	0	0	21	7
<b>Very High</b>														
mean	1.9	1.7	2.2	3.6	4	3.9	3.7	3.1	3	2.6	1.9	2.2	33.7	15.8
max	6	4	5	7	12	9	8	8	7	7	4	5	50	26
min	0	0	1	1	1	0	0	0	0	0	0	0	20	6
<b>Extreme</b>														
mean	4.6	4.6	7.1	6	5.3	3.1	3.7	6	6.3	5	4.8	4.8	61.2	37.5
max	10	12	14	13	10	5	12	10	13	9	10	13	77	53
min	2	1	1	1	0	0	0	3	2	1	1	0	42	26

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<b>Very Extreme</b>														
mean	19.3	17.3	14.9	9	7.7	4.1	4.3	6.7	11.7	14.2	16.3	18	143.4	108.4
max	28	26	21	21	15	12	11	15	18	25	26	27	172	140
min	8	8	7	4	0	1	0	1	4	3	10	4	97	76