

Station Name: Mahia (MHX)

Period: 1994-10-14 - 2021-07-02

Length of record: 26 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
<b>Temperature, degrees Celsius</b>														
mean	20.4	20.4	19	16.9	14.7	12.5	11.6	12	13.7	15.4	16.8	18.8	16	18.3
median	20	20	19	17	15	12.7	11.7	12	13.9	15.4	17	18.9	16	18
max	31	34	29.5	26	22.7	19.7	19.7	19.5	22	25.5	26	29	34	34
min	8	12.6	11	8.8	6	4.6	2.9	4.2	6.3	8	7	10	2.9	7
<b>Relative Humidity, %</b>														
mean	68.5	70	71	73.1	73.3	74.4	74.9	73	70.1	68	68.4	70.2	71.2	69.9
median	69	71	71	73	73	74.6	75	73	70	68	69	71	72	70
max	100	100	100	100	100	100	100	100	99	100	99	100	100	100
min	25	19	31	32	36	37.3	45	41	32	27	28	23	19	19
<b>Wind Speed, km/h</b>														
mean	19.1	18.9	18.5	18.3	19	20.3	20.4	20.8	20.5	21	20.7	20.2	19.8	19.5
median	18	18	17	17	17	19	19	20	19	19.7	19	19	18.5	18.5
max	61.1	56	53	50	57	61	63	59.3	53.7	61.1	65	61	65	65
min	2	3.7	2	0	0	1.4	0	1.9	2	2	1.9	1.9	0	0
<b>24-hr Rainfall, millimeters</b>														
mean	2	2.5	3	3.5	3.3	4.1	4.8	3.3	2.4	2.2	2.2	2.3	3	2.5
median	0	0	0	0	0.2	0.2	0.4	0.2	0	0	0	0	0	0
max	96.2	82.6	95.2	94.2	77.2	91	73.2	65.6	64.6	94	75	72.6	96.2	96.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Rainfall, millimetres</b>														
mean	64	70.3	94.4	104.3	100.7	119.4	148.7	102.5	72.6	68.4	66.3	75.4	90.6	77.6
max	152.6	235.4	255.2	254	337.2	272.8	354.8	244.2	180.8	203.8	161	185	354.8	255.2
min	13.4	7.6	9.8	19.2	9.8	45.4	3	6.6	9.6	3	5.2	12.6	3	3
<b>Seasonal Rainfall, millimetres</b>														
mean													1086.8	540.3
max													1578.2	905.6
min													564.2	237.8
<b>Fine Fuel Moisture Code, FFMC</b>														
mean	76.1	74.4	71.8	68.1	65.4	60.8	59.5	64.3	69.8	72.6	73.8	74.1	69.2	73
median	83.2	82.5	80.8	77.7	73.4	65.4	65.9	71.4	78.7	81	81.6	81.3	78.7	81.5
max	92.5	95.5	91.9	90.3	88.4	88.3	86.7	87.3	88.9	90.9	90.5	92.4	95.5	95.5
min	0.9	2.6	3	1.8	3.1	3.7	0.3	4.7	5.2	2.4	7.5	2.2	0.3	0.9
<b>Duff Moisture Code, DMC</b>														
mean	24.7	18.9	14.2	8.8	5.5	2.4	2.2	2.8	6.6	11	15.6	19.5	11	16.1
median	20.6	15.1	11.1	6.5	3.4	1.3	1	2.1	5.6	8.9	12.8	15.7	6.7	11.8
max	104.9	93.6	58.8	47.5	34.3	21.4	19.4	19.1	24	61.8	78.3	99.6	104.9	104.9
min	0	0	0	0	0	0	0	0	0	0	0.2	0	0	0
<b>Drought Code, DC</b>														
mean	270.1	295	271.3	207.5	145	88.9	33.9	21.3	27.9	54.3	113.2	189	143.5	199.5
median	268	281.5	254.6	176.7	103.8	30.6	11.8	12.1	22.7	46.7	106	181.7	96.7	165.5
max	648.7	600.9	618.5	654.1	520.2	391.6	261.1	127.7	107.4	199.7	317.6	490.4	654.1	654.1
min	7.1	6.9	4.5	2.3	1.1	0.5	0.4	0.5	0.8	2.6	4.2	5.9	0.4	2.3
<b>Initial Spread Index, ISI</b>														
mean	4.7	4.2	3.5	2.7	2.6	2.1	2.2	2.5	3.7	4.3	4.5	4.2	3.4	4
median	4	3.6	2.9	2.2	1.8	1.3	1.3	1.6	2.5	3.1	3.3	3.3	2.5	3.2
max	54	28	27.7	25.5	29.3	35.6	23.4	22.8	29.2	37.9	33.9	41.1	54	54
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Buildup Index, BUI</b>														
mean	38.5	31.4	24.2	15.3	9.3	4.1	3.2	3.7	7.9	13.9	22	29.3	17	25
median	32.9	25.9	19.5	11.5	5.9	2.1	1.5	2.7	6.6	11.8	19.4	25.2	10.3	18.7
max	134.6	134.7	91.3	80.4	58.6	33.7	24.4	27.3	28.3	69.7	96.1	122.4	134.7	134.7
min	0	0	0	0	0	0	0	0	0	0	0.3	0	0	0
<b>Fire Weather Index, FWI</b>														
mean	10.4	8.5	6.4	3.9	2.8	1.6	1.5	1.7	3.6	5.4	7.2	8.2	5.1	7.1
median	9.1	6.8	4.5	2.5	0.8	0.4	0.4	0.6	1.9	3.7	5.3	6.5	2.6	5
max	60.4	52	52.3	46.9	37.8	27.9	25.2	14.6	24.9	41.5	48.5	77.1	77.1	77.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daily Severity Rating, DSR</b>														
mean	2.6	1.9	1.3	0.6	0.4	0.2	0.2	0.2	0.5	1	1.5	1.8	1	1.5
median	1.3	0.8	0.4	0.1	0	0	0	0	0.1	0.3	0.5	0.7	0.1	0.5
max	38.6	29.7	29.9	24.7	16.9	9.9	8.2	3.1	8.1	19.9	26.2	59.5	59.5	59.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Severity Rating, MSR</b>														
mean	81.1	55.3	40.6	18.1	12.9	5.3	5.2	5.1	15.3	30.2	42.8	48.2	30	45.2
max	267.3	228.2	210	73.5	112.9	21.7	37.8	16.4	47.9	180.5	114.6	134.5	267.3	267.3
min	19.3	10.9	2	2	0.6	0.1	0.1	0.9	1.5	3.6	8.9	6.6	0.1	2
<b>Cumulative Daily Severity Rating, CDSR</b>														
mean													360	308
max													1017.4	837.6
min													178.4	113.2

	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	10.6	11.2	17	21.7	26.2	28.6	29.7	30.1	24.3	21	14.7	13.5	248.6	109.8
max	21	22	31	30	31	30	31	31	30	31	24	29	294	158
min	0	3	2	5	6	20	17	23	11	0	1	1	175	60
<b>Moderate</b>														
mean	13.5	13	11.2	7.6	4.2	1.3	1.3	0.9	5.7	8.6	12.6	14.3	94.1	81.5
max	22	22	26	20	14	10	14	8	19	20	25	25	136	111
min	3	5	0	0	0	0	0	0	0	0	6	2	64	51
<b>High</b>														
mean	4.6	2.8	2	0.5	0.5	0.1	0	0	0	1.1	2.1	2.5	16.3	15.3
max	13	13	8	5	10	2	1	0	1	13	10	9	60	47
min	0	0	0	0	0	0	0	0	0	0	0	0	4	1
<b>Very High</b>														
mean	1.3	0.5	0.4	0.2	0.1	0	0	0	0	0.2	0.4	0.4	3.7	3.3
max	8	4	6	3	2	0	0	0	0	4	3	3	20	17
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Extreme</b>														
mean	0.9	0.6	0.3	0	0	0	0	0	0	0.1	0.1	0.3	2.3	2.1
max	8	8	4	1	1	0	0	0	0	2	1	2	15	15
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Very Extreme</b>														
mean	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0.3	0.2
max	2	2	1	0	0	0	0	0	0	0	0	0	3	3
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 Eastern (Coastal Wairoa / Mahia)</b>														
Curing%	90	90	80	70	60	50	50	50	50	50	60	70		
<b>Low</b>														
mean	2.8	2.9	4.4	6.3	9.2	10.3	11.9	9.1	6.1	4.5	4.6	3.6	75.7	28.6
max	11	7	11	15	18	20	22	19	14	11	9	9	105	49
min	0	0	0	1	0	4	0	0	0	0	0	0	42	12
<b>Moderate</b>														
mean	9.8	10	16.4	19.8	20.2	18.3	17.3	20	19	20.9	21.3	18.5	211.6	117.3
max	17	15	25	26	28	26	26	27	27	28	28	24	233	137
min	1	5	7	12	11	9	9	7	11	13	13	14	190	95
<b>High</b>														
mean	14.6	12.2	9	3.7	1.5	1.3	1.6	1.8	4.8	5	3.9	8	67.4	56.6
max	20	18	20	8	12	5	9	5	11	15	14	15	89	83
min	7	6	1	0	0	0	0	0	1	1	0	1	45	37
<b>Very High</b>														
mean	2.7	2.5	0.9	0.2	0.1	0.1	0.2	0.1	0.2	0.5	0.1	0.8	8.4	7.6
max	8	6	5	2	1	2	1	1	2	3	2	2	21	14
min	0	0	0	0	0	0	0	0	0	0	0	0	2	3
<b>Extreme</b>														
mean	1	0.7	0.3	0	0	0	0	0	0	0	0	0	2.2	2.1
max	8	4	3	1	0	0	0	0	0	1	0	1	10	10
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Very Extreme</b>														
mean	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	1	0	0	0	0	0	0	0	0	0	0	0	1	1
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	4.6	5	6.6	8.3	10.3	12.6	13.5	11	7.4	5.9	5.7	5.3	96.2	41
max	11	10	15	17	19	21	24	19	15	14	10	11	123	68
min	1	1	2	3	0	6	0	1	0	0	0	0	56	19
<b>Moderate</b>														
mean	0	0	0	0	0	0	0.1	0	0	0	0	0	0.1	0
max	0	0	0	0	0	0	1	0	0	0	0	0	1	0
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>High</b>														
mean	1.2	1.1	1.9	2.1	3.2	3.1	2.2	2.1	1.8	2.1	1.3	1.7	23.6	11.5
max	4	5	4	4	7	9	5	6	5	5	3	6	32	17
min	0	0	0	0	0	0	0	0	0	0	0	0	15	6
<b>Very High</b>														
mean	2.4	2.6	4	4.4	3.7	4	3.8	4.6	4.1	2.8	3.5	3.8	43.7	23.5
max	7	6	9	8	8	7	8	8	10	6	7	8	53	34
min	0	0	0	1	1	1	1	1	1	0	0	1	28	14
<b>Extreme</b>														
mean	8.5	8.3	9.3	9.4	7.9	5.9	7	7.7	7.5	9.5	8.5	8.2	97.8	62.2
max	16	14	17	18	13	12	16	15	14	18	18	15	129	96
min	3	3	3	3	4	2	0	2	2	2	2	4	77	41

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<b>Very Extreme</b>														
mean	14.3	11.3	9.2	5.8	6	4.4	4.4	5.6	9.2	10.7	11	12	103.9	74.1
max	27	20	21	10	19	12	14	16	17	29	21	20	155	121
min	6	4	1	0	1	0	0	1	3	4	3	3	80	47