

Station Name: Wanganui Aero (WUA)

Period: 1979-01-01 - 2021-07-02

Length of record: 42 years

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | FIRE SEASON |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Temperature, degrees Celsius | | | | | | | | | | | | | | |
| mean | 20.5 | 20.8 | 19.6 | 17.3 | 15 | 12.7 | 11.9 | 12.7 | 14 | 15.4 | 17 | 19 | 16.3 | 18.5 |
| median | 20.4 | 21 | 19.7 | 17.2 | 15 | 12.9 | 12 | 13 | 14 | 15.5 | 17 | 19 | 16 | 18.5 |
| max | 29 | 30 | 29 | 25.1 | 23.4 | 20.5 | 18.6 | 24.9 | 21.5 | 26 | 25.4 | 28 | 30 | 30 |
| min | 11 | 12.9 | 12 | 8 | 7 | 5.1 | 3.3 | 5 | 6 | 7 | 7 | 11 | 3.3 | 7 |
| Relative Humidity, % | | | | | | | | | | | | | | |
| mean | 67.2 | 67.2 | 67.1 | 68.3 | 71.6 | 75.2 | 74.5 | 71.9 | 69.8 | 70.2 | 67.7 | 68.3 | 69.9 | 68 |
| median | 67 | 66.6 | 66 | 68 | 70.4 | 74.2 | 73 | 71 | 69 | 69.1 | 67 | 68 | 69 | 67.6 |
| max | 99.4 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 99 | 100 | 100 | 100 | 100 | 100 |
| min | 31 | 28 | 33 | 34.8 | 37 | 34.7 | 43.8 | 38.1 | 40 | 32.1 | 29 | 23 | 23 | 23 |
| Wind Speed, km/h | | | | | | | | | | | | | | |
| mean | 23.2 | 20.2 | 20 | 18.4 | 18.8 | 18.3 | 18.1 | 19.4 | 22.6 | 24.9 | 25.7 | 23.3 | 21.1 | 22.3 |
| median | 22 | 19 | 18.5 | 17 | 17 | 17 | 17 | 19 | 22 | 22.2 | 24 | 22 | 19 | 20 |
| max | 64.8 | 59.4 | 75 | 65 | 68.4 | 72 | 78 | 83 | 67 | 80 | 65 | 72 | 83 | 80 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24-hr Rainfall, millimeters | | | | | | | | | | | | | | |
| mean | 2 | 2.3 | 2.1 | 2.6 | 2.9 | 3.4 | 3.2 | 2.8 | 2.6 | 3 | 2.9 | 2.9 | 2.7 | 2.5 |
| median | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.2 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 |
| max | 102.2 | 64 | 89.6 | 70 | 99.6 | 144.2 | 173.4 | 48 | 38 | 45.8 | 200 | 66.6 | 200 | 200 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Monthly Rainfall, millimetres | | | | | | | | | | | | | | |
| mean | 62.4 | 65.4 | 63.5 | 78.5 | 90.6 | 101.3 | 98.6 | 86.2 | 78.3 | 92.5 | 86.9 | 89.7 | 82.8 | 77 |
| max | 143.4 | 208.8 | 197.2 | 170 | 188.2 | 250.8 | 279 | 201 | 192 | 234.3 | 379.4 | 204.6 | 379.4 | 379.4 |
| min | 3.8 | 14.2 | 8.6 | 22.4 | 26 | 29 | 8.6 | 19.2 | 4.8 | 32 | 9 | 17.8 | 3.8 | 3.8 |
| Seasonal Rainfall, millimetres | | | | | | | | | | | | | | |
| mean | | | | | | | | | | | | | 994 | 540.3 |
| max | | | | | | | | | | | | | 1692 | 1034 |
| min | | | | | | | | | | | | | 676.6 | 315.8 |
| Fine Fuel Moisture Code, FFMC | | | | | | | | | | | | | | |
| mean | 78 | 76.9 | 76.1 | 72.9 | 68.8 | 63.1 | 63 | 64.8 | 69.3 | 69.9 | 73.6 | 73.9 | 70.8 | 74.5 |
| median | 83.6 | 83.6 | 83.1 | 80.8 | 76.4 | 68.7 | 69.2 | 70.8 | 76.2 | 77 | 80.8 | 81.1 | 78.8 | 81.8 |
| max | 91.3 | 91.5 | 90 | 88.5 | 87.8 | 86.7 | 86.2 | 88.4 | 88.3 | 89.4 | 89.8 | 91.5 | 91.5 | 91.5 |
| min | 2.6 | 11 | 4.3 | 10 | 8.5 | 3.1 | 4.3 | 2.1 | 4.3 | 4.5 | 3.4 | 5 | 2.1 | 2.6 |
| Duff Moisture Code, DMC | | | | | | | | | | | | | | |
| mean | 18.1 | 19.3 | 17 | 10.3 | 5.1 | 2.3 | 2.1 | 3.1 | 5.2 | 6.1 | 10.1 | 12.7 | 9.3 | 13.4 |
| median | 14.9 | 14.6 | 13.6 | 8.3 | 3.9 | 1.6 | 1.5 | 2 | 4.1 | 5.2 | 8.5 | 10 | 6 | 10 |
| max | 85.7 | 86.5 | 68.1 | 71.2 | 22.1 | 18.1 | 15.1 | 23.7 | 32.3 | 40.6 | 41.5 | 77.8 | 86.5 | 86.5 |
| min | 1.5 | 0.3 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Drought Code, DC | | | | | | | | | | | | | | |
| mean | 219.7 | 276.8 | 295.1 | 253.1 | 178 | 93.6 | 48 | 35.2 | 34.6 | 40.2 | 82.1 | 138 | 141.4 | 186.4 |
| median | 213.3 | 272.1 | 305.4 | 270.1 | 167.9 | 81.6 | 29.4 | 12.8 | 24.9 | 33.6 | 81.4 | 133.4 | 103.3 | 162.4 |
| max | 471.7 | 592.9 | 577.4 | 609.9 | 507.1 | 357.9 | 213.8 | 197.3 | 197.8 | 157.1 | 237.2 | 400.9 | 609.9 | 609.9 |
| min | 6.6 | 6.2 | 4.4 | 2.7 | 1.1 | 0.6 | 0.4 | 0.8 | 0.8 | 2.4 | 3.7 | 6.1 | 0.4 | 2.4 |
| Initial Spread Index, ISI | | | | | | | | | | | | | | |
| mean | 6 | 5.1 | 4.7 | 3.6 | 2.8 | 2 | 2 | 2.3 | 3.4 | 4 | 5.1 | 4.8 | 3.8 | 4.8 |
| median | 4.8 | 4.1 | 3.7 | 2.7 | 2.1 | 1.4 | 1.4 | 1.7 | 2.5 | 3 | 4.1 | 3.9 | 2.7 | 3.7 |
| max | 34 | 28.7 | 26.7 | 25.4 | 22.3 | 17.3 | 16.1 | 18.7 | 20.7 | 24.6 | 32.6 | 23.4 | 34 | 34 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Buildup Index, BUI | | | | | | | | | | | | | | |
| mean | 29.1 | 31.7 | 28.7 | 18.2 | 9.1 | 4 | 3.3 | 4.4 | 6.7 | 8.3 | 14.8 | 19.8 | 14.8 | 21.5 |
| median | 24.9 | 25.1 | 23.7 | 15.2 | 7 | 3 | 2.3 | 2.8 | 5.4 | 7.2 | 13.1 | 16.3 | 9.6 | 16.6 |
| max | 111.8 | 119.1 | 101.3 | 110.2 | 38.6 | 27 | 21.9 | 25.6 | 32.4 | 41.8 | 56.3 | 99.9 | 119.1 | 119.1 |
| min | 2.1 | 0.5 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fire Weather Index, FWI | | | | | | | | | | | | | | |
| mean | 10.7 | 9.9 | 8.8 | 5.4 | 2.8 | 1.3 | 1.2 | 1.7 | 3 | 3.8 | 6.5 | 7.2 | 5.2 | 7.5 |
| median | 9.1 | 7.5 | 7 | 3.7 | 1.3 | 0.5 | 0.5 | 0.6 | 1.7 | 2.6 | 5.1 | 5.6 | 2.7 | 5.4 |
| max | 56.1 | 57.7 | 46.2 | 37.4 | 25.7 | 12.5 | 14.7 | 18.5 | 23.2 | 23 | 35.4 | 42.5 | 57.7 | 57.7 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daily Severity Rating, DSR | | | | | | | | | | | | | | |
| mean | 2.6 | 2.4 | 1.9 | 0.9 | 0.3 | 0.1 | 0.1 | 0.2 | 0.4 | 0.5 | 1.2 | 1.4 | 1 | 1.6 |
| median | 1.3 | 1 | 0.8 | 0.3 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.5 | 0.6 | 0.2 | 0.5 |
| max | 33.9 | 35.6 | 24.1 | 16.5 | 8.5 | 2.4 | 3.2 | 4.7 | 7.1 | 7 | 15 | 20.7 | 35.6 | 35.6 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Monthly Severity Rating, MSR | | | | | | | | | | | | | | |
| mean | 81.5 | 66.8 | 58.9 | 28 | 10 | 3.2 | 2.8 | 4.9 | 11.1 | 15.9 | 35.4 | 43.7 | 30.2 | 47.2 |
| max | 244.1 | 234.2 | 200.3 | 90.9 | 30 | 11.5 | 14.3 | 20.3 | 49.1 | 38.5 | 81 | 182 | 244.1 | 244.1 |
| min | 11.8 | 7.5 | 8.5 | 2.4 | 0.8 | 0.3 | 0 | 0 | 0.5 | 1.2 | 8.7 | 2.8 | 0 | 1.2 |
| Cumulative Daily Severity Rating, CDSR | | | | | | | | | | | | | | |
| mean | | | | | | | | | | | | | 362.1 | 334 |
| max | | | | | | | | | | | | | 719.3 | 762 |
| min | | | | | | | | | | | | | 56.5 | 115.6 |

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | FIRE SEASON |
|--|-----|------|------|------|------|------|------|------|------|------|------|------|-------|-------------|
| Forest Fire Danger Class (FFDC) Frequency | | | | | | | | | | | | | | |
| Low | | | | | | | | | | | | | | |
| mean | 10 | 10.6 | 12.5 | 18.4 | 26.2 | 29.3 | 30.6 | 29.5 | 26.5 | 25.5 | 16.9 | 15.7 | 251.6 | 108.9 |
| max | 25 | 26 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 29 | 30 | 352 | 178 |
| min | 0 | 1 | 1 | 5 | 12 | 21 | 24 | 17 | 12 | 17 | 1 | 1 | 198 | 62 |
| Moderate | | | | | | | | | | | | | | |
| mean | 14 | 12.3 | 13.9 | 10.2 | 4.7 | 0.7 | 0.4 | 1.5 | 3.3 | 5.5 | 12 | 12.8 | 91.2 | 81 |
| max | 21 | 20 | 24 | 21 | 18 | 9 | 7 | 14 | 15 | 14 | 24 | 21 | 130 | 107 |
| min | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 14 | 35 |
| High | | | | | | | | | | | | | | |
| mean | 5.1 | 3.7 | 3.5 | 1.2 | 0.1 | 0 | 0 | 0 | 0.2 | 0 | 1.1 | 2.1 | 17 | 16.9 |
| max | 17 | 14 | 13 | 6 | 2 | 0 | 0 | 0 | 3 | 1 | 7 | 11 | 38 | 41 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Very High | | | | | | | | | | | | | | |
| mean | 1.2 | 1 | 0.8 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 3.4 | 3.5 |
| max | 7 | 5 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 15 | 15 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Extreme | | | | | | | | | | | | | | |
| mean | 0.6 | 0.6 | 0.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 1.9 | 1.9 |
| max | 6 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 9 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Very Extreme | | | | | | | | | | | | | | |
| mean | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 |
| max | 2 | 3 | 0 | 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 |
| Grass Fire Danger Class (GFDC) Frequency | | | | | | | | | | | | | | |
| Curing source Taranaki (Whanganui) | | | | | | | | | | | | | | |
| Curing% | 65 | 80 | 80 | 60 | 40 | 30 | 25 | 25 | 35 | 40 | 40 | 50 | | |
| Low | | | | | | | | | | | | | | |
| mean | 2.1 | 2.1 | 2.6 | 5.1 | 6.9 | 10.8 | 11.8 | 10.6 | 6 | 5.3 | 3.6 | 3.5 | 70.6 | 24.3 |
| max | 7 | 6 | 13 | 14 | 15 | 23 | 26 | 31 | 17 | 14 | 8 | 13 | 140 | 46 |
| min | 0 | 0 | 0 | 0 | 1 | 5 | 1 | 0 | 0 | 1 | 0 | 0 | 38 | 8 |
| Moderate | | | | | | | | | | | | | | |
| mean | 18 | 12 | 14.1 | 22.4 | 22.4 | 18.6 | 18.9 | 20.1 | 21.8 | 22 | 20.8 | 20.5 | 231.6 | 128.9 |
| max | 27 | 18 | 20 | 27 | 28 | 25 | 30 | 31 | 28 | 28 | 27 | 28 | 284 | 156 |
| min | 8 | 3 | 4 | 12 | 12 | 7 | 5 | 0 | 13 | 15 | 9 | 12 | 167 | 100 |
| High | | | | | | | | | | | | | | |
| mean | 9.6 | 11.2 | 11.3 | 2.5 | 1.7 | 0.5 | 0.2 | 0.3 | 2.1 | 3.7 | 5.5 | 6.7 | 55.4 | 51.2 |
| max | 19 | 19 | 21 | 8 | 9 | 4 | 2 | 2 | 8 | 10 | 15 | 14 | 85 | 79 |
| min | 2 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 25 | 30 |
| Very High | | | | | | | | | | | | | | |
| mean | 1.2 | 2.2 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.3 | 6.2 | 6.3 |
| max | 5 | 9 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 15 | 14 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Extreme | | | | | | | | | | | | | | |
| mean | 0 | 0.8 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.5 |
| max | 1 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Very Extreme | | | | | | | | | | | | | | |
| mean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| max | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Scrub Fire Danger Class (SFDC) Frequency | | | | | | | | | | | | | | |
| Low | | | | | | | | | | | | | | |
| mean | 3 | 3.7 | 4.4 | 6 | 8.5 | 11.1 | 11.7 | 10.9 | 7.9 | 7.3 | 5.2 | 5.3 | 85.2 | 34.9 |
| max | 9 | 9 | 14 | 16 | 19 | 27 | 26 | 31 | 22 | 17 | 11 | 17 | 159 | 60 |
| min | 0 | 0 | 1 | 0 | 1 | 3 | 0 | 2 | 0 | 2 | 0 | 0 | 54 | 17 |
| Moderate | | | | | | | | | | | | | | |
| mean | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.2 |
| max | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 0 | 1 | 0 | 0 | 3 | 2 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High | | | | | | | | | | | | | | |
| mean | 1 | 1.1 | 1.3 | 2.3 | 3 | 4 | 3.7 | 3.1 | 2 | 1.4 | 1 | 1.4 | 25.3 | 9.4 |
| max | 3 | 4 | 4 | 7 | 8 | 8 | 9 | 6 | 7 | 4 | 6 | 4 | 36 | 18 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 11 | 4 |
| Very High | | | | | | | | | | | | | | |
| mean | 2.1 | 2.2 | 3 | 3.9 | 4.5 | 4.5 | 4.7 | 4.3 | 3.3 | 3.1 | 2.3 | 2.5 | 40.5 | 19 |
| max | 6 | 8 | 8 | 8 | 9 | 8 | 10 | 10 | 9 | 9 | 6 | 7 | 63 | 33 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 25 | 7 |
| Extreme | | | | | | | | | | | | | | |
| mean | 7.4 | 7.7 | 8.9 | 8.5 | 9.3 | 7.1 | 7.2 | 7.5 | 8.4 | 8.2 | 7.1 | 7.8 | 95.1 | 55.1 |
| max | 17 | 15 | 15 | 16 | 17 | 15 | 15 | 15 | 17 | 14 | 12 | 15 | 124 | 75 |
| min | 1 | 1 | 2 | 3 | 3 | 1 | 0 | 0 | 2 | 2 | 2 | 2 | 49 | 38 |

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|---------------------|------|------|------|-----|-----|-----|-----|-----|-----|-----|------|-----|-------|-------------|
| Very Extreme | | | | | | | | | | | | | | |
| mean | 17.4 | 13.5 | 13.4 | 9.2 | 5.6 | 3.2 | 3.7 | 5.1 | 8.5 | 11 | 14.3 | 14 | 118.7 | 93.7 |
| max | 29 | 25 | 24 | 19 | 15 | 10 | 13 | 13 | 17 | 19 | 22 | 24 | 159 | 133 |
| min | 6 | 6 | 7 | 2 | 0 | 0 | 0 | 0 | 2 | 3 | 7 | 3 | 52 | 61 |