

NEW ZEALAND METEOROLOGICAL SERVICE

CLIMATOLOGICAL TABLE

Summary of the Records of Temperature, Rainfall, and Sunshine for December, 1946

| Station.                                   | Height of Station above M.S.L. | Air Temperatures in Degrees (Fahrenheit.) |        |                  |                         |                               |        |          | Rainfall in Inches. |                  |                         |               |         | Bright Sunshine. |       |
|--|--------------------------------|---|--------|------------------|-------------------------|-------------------------------|--------|----------|---------------------|------------------|-------------------------|---------------|---------|------------------|-------|
|  |                                | Means of                                  |        | Mean of A and B. | Difference from Normal. | Absolute Maximum and Minimum. |        |          | Total Fall.         | No. of Wet Days. | Difference from Normal. | Maximum Fall. |         |                  |       |
|  |                                | A Max.                                    | B Min. |                  |                         | Maximum.                      | Date.  | Minimum. |                     |                  |                         | Date.         | Amount. |                  | Date. |
|  | Ft.                            | °F.                                       | °F.    | °F.              | °F.                     | °F.                           | °F.    | °F.      | In.                 |                  | In.                     | In.           | Hours.  |                  |       |
| Te Pahi, Te Hapua ..                       | 200                            | 66.1                                      | 54.4   | 60.2             | -3.0                    | 70.0                          | 18     | 43.0     | 22                  | 2.08             | 11                      | (-0.99)       | 0.71    | 1                | 207.0 |
| Waipapakauri ..                            | 6                              | 67.8                                      | 52.8   | 60.3             | (-1.3)                  | 73.8                          | 30     | 41.0     | 7                   | 2.20             | 15                      | (-0.49)       | 0.79    | 1                | ..    |
| Waipoua State Forest ..                    | 225                            | 67.2                                      | 51.3   | 59.2             | -2.0                    | 78.0                          | 18     | 42.6     | 7                   | 2.86             | 16                      | (-1.49)       | 0.78    | 25               | 147.9 |
| Dargaville ..                              | 3                              | 68.7                                      | 53.4   | 61.0             | (-1.2)                  | 77.0                          | 17     | 45.0     | 4                   | 1.69             | 14                      | (-1.21)       | 0.41    | 26               | 178.2 |
| Riverhead ..                               | 105                            | 66.8                                      | 50.5   | 58.6             | -1.7                    | 76.2                          | 9      | 36.1     | 25                  | 3.09             | 16                      | (-0.55)       | 0.77    | 30               | ..    |
| Whenuapai ..                               | 101                            | 67.0                                      | 51.9   | 59.4             | ..                      | 75.3                          | 9      | 41.8     | 7, 25               | 3.39             | 17                      | ..            | 0.78    | 1                | ..    |
| Auckland ..                                | 160                            | 66.9                                      | 55.6   | 61.2             | -2.6                    | 71.6                          | 30     | 48.6     | 25                  | 2.97             | 17                      | -0.16         | 0.85    | 1                | 190.8 |
| Paerata ..                                 | 166                            | 66.6                                      | 52.4   | 59.5             | (-2.3)                  | 74.1                          | 18     | 41.3     | 25                  | 4.26             | 15                      | +1.58         | 1.30    | 30               | ..    |
| Thames ..                                  | 4                              | 68.1                                      | 52.4   | 60.2             | ..                      | 73.3                          | 10, 15 | 39.0     | 25                  | 1.63             | 17                      | ..            | 0.47    | 30               | 185.0 |
| Wharekawa Nursery,<br>Whangamata           | 50                             | 69.4                                      | 51.9   | 60.6             | -2.5                    | 75.0                          | 19     | 40.0     | 1                   | 1.71             | 7                       | (-2.66)       | 0.46    | 1                | ..    |
| Maioro ..                                  | 172                            | 65.6                                      | 53.5   | 59.6             | (-1.4)                  | 72.7                          | 18     | 44.7     | 25                  | 3.81             | 15                      | (-1.35)       | 1.12    | 30               | ..    |
| Waihi ..                                   | 404                            | 68.8                                      | 52.2   | 60.5             | -1.6                    | 77.0                          | 18     | 43.0     | 25                  | 2.77             | 11                      | -2.55         | 0.70    | 30               | 212.1 |
| Te Aroha ..                                | 46                             | 70.1                                      | 53.5   | 61.8             | -2.1                    | 79.5                          | 15     | 39.0     | 25                  | 2.52             | 19                      | -0.89         | 0.42    | 10               | ..    |
| Tauranga ..                                | 10                             | 69.0                                      | 51.4   | 60.2             | -1.8                    | 74.9                          | 23     | 39.9     | 1                   | 2.79             | 15                      | -0.86         | 0.85    | 30               | 242.5 |
| Ruakura Farm, Hamilton                     | 131                            | 67.4                                      | 50.9   | 59.2             | -2.2                    | 74.5                          | 17     | 36.1     | 25                  | 3.56             | 17                      | +0.38         | 1.56    | 30               | 198.7 |
| Rukuhia ..                                 | 215                            | 66.9                                      | 50.4   | 58.6             | ..                      | 75.0                          | 18     | 38.5     | 4                   | 4.01             | 19                      | ..            | 1.87    | 30               | 161.5 |
| Rotochu Plantation ..                      | 235                            | 68.8                                      | 47.1   | 58.0             | (-2.3)                  | 75.2                          | 22     | 34.7     | 21                  | 2.20             | 12                      | (-2.26)       | 0.53    | 30               | ..    |
| Rotorua ..                                 | 931                            | 68.0                                      | 48.6   | 58.3             | (-3.1)                  | 77.1                          | 15     | 38.1     | 1                   | 2.58             | 12                      | -1.21         | 1.15    | 30               | 199.0 |
| Whakarewarewa ..                           | 1,000                          | 67.8                                      | 48.5   | 58.2             | -2.9                    | 77.8                          | 22     | 35.2     | 25                  | 2.60             | 11                      | -1.47         | 1.19    | 30               | ..    |
| Gisborne ..                                | 12                             | 73.3                                      | 50.7   | 62.0             | (-1.2)                  | 83.1                          | 16     | 41.6     | 21                  | 0.88             | 10                      | (-1.05)       | 0.23    | 2                | 269.6 |
| Manutuke Research<br>Station, Gisborne     | 20                             | 71.6                                      | 50.2   | 60.9             | (-1.3)                  | 80.9                          | 16     | 40.0     | 27                  | 0.86             | 10                      | ..            | 0.27    | 2                | 255.4 |
| Onepoto, Lake Waikare-<br>moana            | 2, 110                         | 64.9                                      | 47.7   | 56.3             | (-1.2)                  | 81.5                          | 15     | 39.0     | 27                  | 1.59             | 9                       | -3.20         | 0.35    | 5, 10            | ..    |
| New Plymouth ..                            | 160                            | 62.1                                      | 51.7   | 56.9             | -3.2                    | 66.6                          | 17     | 44.0     | 25                  | 5.61             | 15                      | +1.18         | 1.50    | 30               | 180.2 |
| Chateau Tongariro ..                       | 3,670                          | 54.4                                      | 38.1   | 46.2             | -3.2                    | 67.0                          | 15     | 27.0     | 1                   | 13.25            | 26                      | (+4.36)       | 3.40    | 30               | ..    |
| Karioi ..                                  | 2,125                          | 61.3                                      | 43.4   | 52.4             | -2.0                    | 75.0                          | 15     | 31.0     | 4                   | 3.58             | 15                      | -0.51         | 0.85    | 30               | ..    |
| Napier ..                                  | 5                              | 71.8                                      | 52.1   | 62.0             | -1.1                    | 84.8                          | 17     | 42.2     | 7                   | 1.02             | 9                       | -1.03         | 0.31    | 25               | 272.5 |
| Hastings ..                                | 45                             | 75.4                                      | 49.0   | 62.2             | -0.9                    | 88.0                          | 18     | 39.0     | 21                  | 0.73             | 7                       | -1.40         | 0.18    | 25               | ..    |
| Taihape ..                                 | 2,157                          | 62.6                                      | 45.3   | 54.0             | -2.3                    | 72.0                          | 15     | 35.8     | 25                  | 2.53             | 17                      | -0.74         | 0.56    | 30               | ..    |
| Wanganui ..                                | 72                             | 66.2                                      | 52.1   | 59.2             | (-1.9)                  | 78.6                          | 18     | 43.0     | 26                  | 1.77             | 14                      | (-0.99)       | 0.51    | 30               | 235.6 |
| Waipukurau ..                              | 450                            | 70.6                                      | 46.4   | 58.5             | (-2.5)                  | 89.0                          | 15     | 34.9     | 1                   | 2.00             | 8                       | (-0.30)       | 1.49    | 5                | 253.6 |
| Tangimoana ..                              | 8                              | 68.7                                      | 51.0   | 59.8             | -0.9                    | 79.5                          | 18     | 39.0     | 25                  | 1.26             | 8                       | -1.75         | 0.72    | 30               | ..    |
| Ohakea ..                                  | 167                            | 65.6                                      | 50.8   | 58.2             | (-1.8)                  | 76.9                          | 18     | 40.3     | 25                  | 1.45             | 7                       | (-1.22)       | 0.57    | 30               | ..    |
| Plant Research Bureau,<br>Palmerston North | 110                            | 65.1                                      | 49.3   | 57.2             | -3.2                    | 75.0                          | 9      | 38.0     | 25                  | 2.08             | 14                      | (-1.08)       | 0.95    | 30               | 197.3 |
| Pahiatua ..                                | 384                            | 64.9                                      | 49.5   | 57.2             | -2.8                    | 73.8                          | 9      | 36.6     | 25                  | 4.07             | 14                      | +0.16         | 1.03    | 30               | ..    |
| Kapiti Island ..                           | 44                             | 63.2                                      | 53.1   | 58.2             | -1.4                    | 67.5                          | 9      | 46.6     | 29                  | 3.15             | 8                       | -0.06         | 1.35    | 30               | ..    |
| Waingawa, Masterton                        | 350                            | 68.1                                      | 45.5   | 56.8             | -3.9                    | 79.0                          | 17     | 35.0     | 1                   | 1.95             | 15                      | -0.69         | 0.36    | 28               | 209.7 |
| Wallaceville ..                            | 195                            | 65.2                                      | 48.8   | 57.0             | (-2.2)                  | 72.3                          | 15     | 34.8     | 4                   | 3.56             | 11                      | -1.10         | 1.07    | 10               | 189.2 |
| Wainui-o-mata ..                           | 290                            | 63.9                                      | 48.1   | 56.0             | (-1.6)                  | 71.1                          | 15     | 36.2     | 29                  | 3.10             | 10                      | ..            | 0.78    | 9                | ..    |
| Wellington ..                              | 415                            | 63.6                                      | 50.5   | 57.0             | -2.0                    | 68.9                          | 15     | 41.2     | 29                  | 2.60             | 15                      | -0.69         | 0.65    | 9                | 208.2 |
| Nelson ..                                  | 24                             | 67.1                                      | 48.9   | 58.0             | -2.8                    | 79.2                          | 15     | 40.6     | 1                   | 2.12             | 9                       | -0.89         | 1.20    | 9                | 262.2 |
| Appleby, Nelson ..                         | 57                             | 67.6                                      | 49.4   | 58.5             | -2.6                    | 81.9                          | 15     | 41.5     | 12                  | 1.22             | 9                       | (-1.64)       | 0.41    | 9                | ..    |
| Woodbourne ..                              | 89                             | 69.4                                      | 49.2   | 59.3             | (-3.4)                  | 87.9                          | 15     | 35.7     | 29                  | 0.70             | 9                       | (-1.26)       | 0.19    | 10               | ..    |
| Blenheim ..                                | 60                             | 69.8                                      | 47.0   | 58.4             | -4.1                    | 81.7                          | 16     | 31.6     | 29                  | 0.61             | 10                      | (-1.09)       | 0.17    | 10               | 244.2 |
| Golden Downs ..                            | 900                            | 65.8                                      | 42.2   | 54.0             | -3.8                    | 77.9                          | 15     | 34.2     | 24                  | 2.96             | 12                      | (-0.76)       | 0.55    | 9                | ..    |
| Waihopai ..                                | 860                            | 68.3                                      | 47.1   | 57.7             | -2.9                    | 80.0                          | 15     | 35.6     | 29                  | 1.40             | 8                       | (-1.45)       | 0.61    | 10               | ..    |
| Westport ..                                | 7                              | 60.4                                      | 47.9   | 54.2             | (-3.3)                  | 65.0                          | 15     | 40.2     | 4                   | 14.02            | 21                      | (+7.33)       | 2.74    | 9                | 179.8 |
| Molesworth ..                              | 2,930                          | 62.7                                      | 39.2   | 51.0             | (-3.6)                  | 74.0                          | 16     | 29.0     | 1                   | 0.85             | 5                       | (-1.47)       | 0.36    | 29               | ..    |
| Hanmer Springs ..                          | 1,225                          | 66.4                                      | 44.9   | 55.6             | -2.2                    | 77.0                          | 31     | 32.0     | 1                   | 1.50             | 8                       | -2.38         | 0.41    | 25               | 215.6 |
| Hokitika Airfield ..                       | 12                             | 59.5                                      | 47.4   | 53.4             | (-2.6)                  | 65.3                          | 17     | 37.9     | 4                   | 14.78            | 22                      | +4.54         | 2.93    | 9                | 178.6 |
| Balmoral ..                                | 743                            | 67.0                                      | 45.9   | 56.4             | -2.6                    | 77.0                          | 17     | 30.5     | 1                   | 1.68             | 9                       | (-0.58)       | 0.39    | 10               | ..    |
| Lake Coleridge ..                          | 1,195                          | 65.1                                      | 46.8   | 56.0             | -2.2                    | 76.6                          | 31     | 34.0     | 1                   | 3.71             | 15                      | +1.04         | 0.82    | 10               | ..    |
| Darfield ..                                | 640                            | 66.1                                      | 46.6   | 56.4             | (-2.4)                  | 81.3                          | 9      | 35.7     | 4                   | 2.68             | 13                      | -0.26         | 0.74    | 11               | ..    |
| Christchurch ..                            | 22                             | 65.9                                      | 48.7   | 57.3             | -2.5                    | 81.6                          | 15     | 41.1     | 29                  | 3.72             | 16                      | +1.23         | 1.10    | 23               | ..    |
| Wigram ..                                  | 74                             | 66.1                                      | 47.8   | 57.0             | (-2.4)                  | 80.1                          | 9      | 40.1     | 9                   | 3.45             | 16                      | (+1.03)       | 0.95    | 23               | 169.7 |
| Rudstone, Methven ..                       | 1,217                          | 64.0                                      | 46.6   | 55.3             | -2.2                    | 73.8                          | 21     | 37.5     | 1                   | 3.92             | 15                      | -0.21         | 0.85    | 10               | 166.5 |
| Lincoln ..                                 | 36                             | 65.6                                      | 46.3   | 56.0             | -2.0                    | 79.7                          | 9      | 33.9     | 23                  | 3.15             | 15                      | +0.85         | 0.71    | 23               | 170.7 |
| Akaroa (Onawe, Duvau-<br>chelle's Bay)     | 150                            | ..  | ..     | ..               | ..                      | ..                            | ..     | ..       | ..                  | ..               | ..                      | ..            | ..      | ..               | ..    |
| Hermitage, Mount Cook                      | 2,510                          | ..  | ..     | ..               | ..                      | ..                            | ..     | ..       | ..                  | ..               | ..                      | ..            | ..      | ..               | ..    |
| Ashburton ..                               | 323                            | 66.1                                      | 44.8   | 55.4             | -3.1                    | 80.5                          | 8      | 29.3     | 2                   | 3.18             | 15                      | +0.21         | 0.68    | 11               | 125.9 |
| Jacksons Bay ..                            | 22                             | 58.4                                      | 46.4   | 52.4             | -3.3                    | 63.6                          | 25     | 38.6     | 20                  | 20.29            | 20                      | (+3.47)       | 5.27    | 16               | ..    |
| Lake Tekapo ..                             | 2,350                          | 61.4                                      | 41.6   | 51.5             | -3.6                    | 73.0                          | 21     | 29.0     | 29                  | 2.33             | 13                      | +0.44         | 0.80    | 10               | 186.8 |
| Fairlie ..                                 | 1,000                          | ..  | ..     | ..               | ..                      | ..                            | ..     | ..       | ..                  | ..               | ..                      | ..            | ..      | ..               | ..    |
| Timaru ..                                  | 56                             | 65.7                                      | 48.5   | 57.1             | -1.5                    | 80.4                          | 22     | 37.6     | 28                  | 4.09             | 17                      | +1.47         | 1.07    | 10               | 147.1 |
| Milford Sound ..                           | 20                             | 58.6                                      | 46.2   | 52.4             | (-2.9)                  | 66.0                          | 5      | 39.0     | 29                  | 29.98            | 21                      | (+9.14)       | 7.28    | 15               | ..    |
| Waimate ..                                 | 200                            | 65.1                                      | 46.8   | 56.0             | -2.4                    | 78.2                          | 22     | 38.0     | 29                  | 4.29             | 14                      | +1.37         | 1.20    | 10               | 107.4 |
| Queenstown ..                              | 1,100                          | ..  | ..     | ..               | ..                      | ..                            | ..     | ..       | ..                  | ..               | ..                      | ..            | ..      | ..               | ..    |
| Ophir ..                                   | 1,000                          | 66.6                                      | 45.1   | 55.8             | -2.6                    | 74.4                          | 22     | 31.3     | 20                  | 0.96             | 12                      | -0.98         | 0.25    | 29               | ..    |
| Waipiata ..                                | 1,550                          | 61.9                                      | 42.6   | 52.3             | -4.0                    | 74.0                          | 8, 17  | 30.0     | 20                  | 1.73             | 13                      | -0.61         | 0.36    | 10               | 163.1 |
| Alexandra ..                               | 520                            | 68.3                                      | 47.6   | 58.0             | -2.4                    | 79.0                          | 22     | 36.0     | 20                  | 0.66             | 13                      | -0.72         | 0.24    | 30               | 161.7 |
| Manorburn Dam ..                           | 2,448                          | 56.3                                      | 38.9   | 47.6             | -4.0                    | 73.5                          | 1      | 23.8     | 20                  | 2.01             | 16                      | -0.16         | 0.35    | 25               | ..    |
| Dunedin ..                                 | 690                            | 60.5                                      | 44.0   | 52.2             | (-2.7)                  | 74.8                          | 17     | 36.2     | 20                  | 2.78             | 24                      | -0.98         | 0.61    | 23               | 127.9 |
| Taiari ..                                  | 80                             | 63.4                                      | 45.6   | 54.5             | (-1.5)                  | 78.8                          | 8      | 33.5     | 1                   | 1.80             | 20                      | -0.94         | 0.32    | 31               | ..    |
| East Gore ..                               | 245                            | 64.0                                      | 44.7   | 54.4             | -1.9                    | 77.0                          | 8      | 33.0     | 3                   | 4.30             | 22                      | +1.07         | 0.72    | 25               | ..    |
| Gore ..                                    | 240                            | 63.0                                      | 45.2   | 54.1             | -2.8                    | 76.0                          | 8      | 34.0     | 3                   | 4.81             | 25                      | ..            | 0.74    | 25               | 144.6 |
| Invercargill ..                            | 32                             | 61.5                                      | 45.3   | 53.4             | -1.7                    | 74.0                          | 9      | 37.0     | 1                   | 7.92             | 26                      | +4.27         | 1.44    | 15               | 149.4 |
| Invercargill (City<br>Engineer)            | 8                              | 60.5                                      | 45.8   | 53.2             | -2.4                    | 73.4                          | 9      | 36.0     | 1                   | 7.04             | 25                      | +3.30         | 1.53    | 15               | ..    |