

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for April 1961—continued

| 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 Rain Days | Difference From Normal | Maximum Fall |                 |      |
|                                  |                                | A Max.                                   | B Min. |                 |                        | Maxi-<br>mum                 | Date   | Mini-<br>mum | Date   |                    |                  |                        | Amount       |                 | Date |
|                                  | Ft.                            | °F.                                      | °F.    | °F.             | °F.                    |                              | °F.    |              | °F.    |                    | In.              |                        | In.          |                 | Hrs. |
| Riwaka .. .. .                   | 25                             | 65.4                                     | 43.4   | 54.4            | -1.0*                  | 74.0                         | 1      | 34.9         | 20     | 1.06               | 7                | -3.6*                  | 0.28         | 18              | ..   |
| Rai Valley .. .. .               | 250                            | 64.6                                     | 42.9   | 53.8            | ..                     | 71.9                         | 17     | 29.0         | 3      | 4.53               | 8                | -2.5*                  | 1.23         | 15              | ..   |
| Nelson Airfield .. .. .          | 5                              | 62.9                                     | 44.5   | 53.7            | -0.4                   | 72.1                         | 17     | 34.8         | 3      | 1.55               | 8                | -1.4*                  | 0.53         | 15              | 192  |
| Moutere Hills .. .. .            | 450                            | 62.6                                     | 48.4   | 55.5            | ..                     | 69.3                         | 17     | 31.0         | 3      | 1.42               | 7                | ..                     | 0.61         | 15              | ..   |
| Appleby, Nelson .. .. .          | 57                             | 64.3                                     | 45.3   | 54.8            | -1.1                   | 71.9                         | 17     | 36.3         | 19     | 1.14               | 7                | -2.2*                  | 0.40         | 15              | ..   |
| Woodbourne .. .. .               | 89                             | 65.3                                     | 46.1   | 55.7            | +0.9                   | 76.2                         | 17     | 33.3         | 29     | 0.82               | 4                | -1.2*                  | 0.37         | 1               | ..   |
| Blenheim .. .. .                 | 14                             | 66.1                                     | 46.4   | 56.2            | +0.7                   | 77.1                         | 16     | 35.3         | 29     | 0.39               | 4                | -1.5*                  | 0.19         | 18              | 212  |
| Lake Grassmere .. .. .           | 15                             | 62.9                                     | 49.3   | 56.1            | +0.6*                  | 75.5                         | 17     | 37.5         | 20     | 0.20               | 6                | -1.4*                  | 0.67         | 1               | 175  |
| Golden Downs .. .. .             | 900                            | 61.8                                     | 39.0   | 50.4            | -0.9                   | 70.1                         | 16     | 29.2         | 30     | 1.73               | 7                | -2.5                   | 0.40         | 18              | ..   |
| Waihopai .. .. .                 | 860                            | 62.8                                     | 42.7   | 52.8            | -1.4                   | 75.0                         | 16     | 31.6         | 3      | 0.83               | 5                | -1.0                   | 0.40         | 18              | ..   |
| Westport .. .. .                 | 7                              | 61.9                                     | 49.2   | 55.6            | +0.7                   | 66.5                         | 10     | 39.5         | 3      | 6.38               | 12               | -0.6*                  | 2.31         | 26              | 146  |
| Molesworth .. .. .               | 2,930                          | 61.1                                     | 35.6   | 48.4            | +1.4                   | 73.0                         | 13     | 23.0         | 20     | 0.87               | 2                | -1.1*                  | 0.63         | 1               | ..   |
| Reefton .. .. .                  | 630                            | 62.7                                     | 44.0   | 53.4            | ..                     | 72.0                         | 16     | 28.5         | 29     | 4.10               | 7                | ..                     | 1.76         | 1               | ..   |
| Totara Flat .. .. .              | 254                            | 64.0                                     | 44.0   | 54.0            | ..                     | 73.0                         | 16     | 32.0         | 29     | 5.03               | 9                | ..                     | 1.84         | 1               | ..   |
| Greymouth .. .. .                | 13                             | 61.8                                     | 49.9   | 55.8            | +1.2                   | 67.0                         | 14     | 39.9         | 3      | 5.87               | 15               | -1.9*                  | 1.56         | 26              | 130  |
| Hanmer Forest .. .. .            | 1,270                          | 63.6                                     | 40.3   | 52.0            | +0.5                   | 78.5                         | 16     | 28.2         | 3      | 2.42               | 8                | -1.0                   | 0.79         | 18              | 171  |
| Hokitika South .. .. .           | 15                             | 60.9                                     | 46.4   | 53.6            | +0.7                   | 65.0                         | 15     | 35.1         | 29     | 7.93               | 15               | -0.9*                  | 1.48         | 9               | 141  |
| Balmoral .. .. .                 | 650                            | 63.7                                     | 40.3   | 52.0            | -0.7*                  | 80.0                         | 16     | 27.5         | 30     | 1.15               | 6                | +0.9                   | 0.37         | 17              | ..   |
| Lake Coleridge .. .. .           | 1,195                          | 60.7                                     | 40.9   | 50.8            | -0.8                   | 75.0                         | 16     | 29.7         | 3      | 3.58               | 8                | +0.8                   | 1.23         | 26              | ..   |
| Eyrewell .. .. .                 | 520                            | 63.1                                     | 41.4   | 52.2            | +0.6*                  | 80.1                         | 16     | 28.0         | 30     | 1.72               | 9                | -0.6*                  | 0.42         | 18              | ..   |
| Franz Josef .. .. .              | 392                            | 61.7                                     | 45.4   | 53.6            | +1.4*                  | 67.6                         | 18     | 34.0         | 3      | 18.18              | 11               | +0.8*                  | 4.64         | 16              | ..   |
| Ashley Forest .. .. .            | 350                            | 61.9                                     | 46.3   | 54.1            | +1.2                   | 79.0                         | 16     | 35.5         | 30     | 0.94               | 7                | -1.4*                  | 0.30         | 18              | ..   |
| Darfield .. .. .                 | 640                            | 65.5                                     | 42.4   | 54.0            | +1.6                   | 82.2                         | 16     | 33.0         | 3      | 1.66               | 8                | -0.6                   | 0.43         | 18              | ..   |
| Christchurch Airport .. .. .     | 94                             | 63.7                                     | 42.7   | 53.2            | +0.4*                  | 85.5                         | 16     | 32.7         | 21, 30 | 0.84               | 8                | -1.0*                  | 0.36         | 17              | 178  |
| Christchurch .. .. .             | 22                             | 65.3                                     | 43.3   | 54.3            | +0.8                   | 86.2                         | 16     | 34.1         | 3      | 0.67               | 5                | -1.1                   | 0.31         | 17              | ..   |
| Hororata .. .. .                 | 631                            | 63.3                                     | 40.4   | 51.8            | ..                     | 82.1                         | 16     | 28.5         | 3, 30  | 1.86               | 9                | ..                     | 0.36         | 26              | ..   |
| Onawe, Akaroa .. .. .            | 150                            | 65.7                                     | 48.8   | 57.2            | +1.7                   | 88.0                         | 16     | 40.0         | 3      | 1.78               | 12               | -0.7                   | 0.47         | 10              | 171  |
| Lincoln .. .. .                  | 36                             | 63.4                                     | 41.3   | 52.4            | +0.0                   | 84.5                         | 16     | 27.8         | 3      | 1.29               | 8                | -0.4                   | 0.35         | 17              | 185  |
| Highbank .. .. .                 | 1,102                          | 60.7                                     | 44.7   | 52.7            | +0.5*                  | 77.0                         | 16     | 37.0         | 30     | 3.09               | 10               | +0.2*                  | 0.70         | 16              | ..   |
| The Hermitage .. .. .            | 2,510                          | 56.8                                     | 38.8   | 47.8            | -0.3                   | 68.0                         | 13     | 30.0         | 3      | 19.02              | 12               | +3.9                   | 8.23         | 16              | 132  |
| Winchmore .. .. .                | 526                            | 61.7                                     | 41.5   | 51.6            | +0.4                   | 80.0                         | 16     | 31.0         | 30     | 2.25               | 8                | +0.0*                  | 0.73         | 16              | ..   |
| Haast .. .. .                    | 15                             | 60.3                                     | 47.4   | 53.8            | +0.0                   | 65.6                         | 18     | 39.0         | 2      | 9.18               | 12               | -4.6*                  | 3.60         | 14              | 122  |
| Ashburton .. .. .                | 323                            | 66.0                                     | 42.7   | 54.4            | +1.8                   | 87.2                         | 16     | 29.4         | 30     | 2.05               | 8                | -0.2                   | 0.80         | 16              | 183  |
| Temuka .. .. .                   | 80                             | 64.9                                     | 43.0   | 54.0            | ..                     | 74.0                         | 14     | 32.2         | 4      | 4.65               | 10               | ..                     | 2.18         | 27              | ..   |
| Lake Tekapo .. .. .              | 2,240                          | 59.4                                     | 40.0   | 49.7            | +0.3                   | 70.0                         | 13     | 31.9         | 19     | 2.36               | 8                | +0.5                   | 0.61         | 9               | 191  |
| Fairlie .. .. .                  | 1,004                          | 64.5                                     | 36.2   | 50.4            | +0.2                   | 81.0                         | 16     | 25.0         | 3      | 1.83               | 7                | -0.4                   | 0.39         | 9               | ..   |
| Timaru .. .. .                   | 56                             | 64.3                                     | 44.3   | 54.3            | +1.3                   | 79.8                         | 1      | 33.9         | 3      | 1.44               | 9                | -0.4                   | 0.55         | 17              | 167  |
| Adair .. .. .                    | 200                            | 60.8                                     | 45.0   | 52.9            | +0.8*                  | 75.9                         | 1      | 35.1         | 19     | 0.94               | 9                | -0.8*                  | 0.39         | 17              | ..   |
| Tara Hills, Oamaru .. .. .       | 1,600                          | 59.8                                     | 37.3   | 48.6            | -1.1*                  | 70.2                         | 13, 16 | 27.4         | 19     | 1.86               | 8                | +0.1*                  | 0.93         | 9               | 179  |
| Benmore, Otematata .. .. .       | 920                            | 62.2                                     | 41.4   | 51.8            | ..                     | 73.8                         | 13     | 32.5         | 30     | 1.59               | 7                | ..                     | 0.83         | 9               | ..   |
| Lake Hawea .. .. .               | 1,147                          | 59.9                                     | 43.3   | 51.6            | ..                     | 68.3                         | 16     | 32.7         | 19     | 0.92               | 10               | -2.3                   | 0.28         | 9               | ..   |
| Milford Sound .. .. .            | 20                             | 59.4                                     | 45.0   | 52.2            | +1.2                   | 66.2                         | 15     | 36.2         | 3      | 26.43              | 15               | +4.6                   | 11.01        | 14              | ..   |
| Waimate .. .. .                  | 200                            | 64.9                                     | 43.1   | 54.0            | +1.4                   | 81.0                         | 1      | 34.0         | 19     | 1.76               | 11               | -0.1                   | 0.75         | 9               | 155  |
| Naseby Forest .. .. .            | 2,300                          | 57.8                                     | 36.0   | 46.9            | -0.5                   | 71.6                         | 16     | 26.1         | 27     | 2.20               | 8                | +0.2*                  | 0.53         | 9               | ..   |
| Queenstown .. .. .               | 1,100                          | 58.5                                     | 41.0   | 49.8            | -0.9                   | 68.6                         | 16     | 32.2         | 5      | 3.34               | 11               | +0.4                   | 0.82         | 25              | 114  |
| Cromwell .. .. .                 | 720                            | 62.2                                     | 39.6   | 50.9            | +0.4*                  | 75.6                         | 16     | 27.5         | 27     | 0.77               | 9                | -0.7*                  | 0.21         | 25              | ..   |
| Ophir .. .. .                    | 1,000                          | 61.1                                     | 35.6   | 48.4            | -0.9                   | 75.4                         | 14     | 23.5         | 27     | 1.20               | 6                | -0.4                   | 0.36         | 25              | ..   |
| Moa Creek .. .. .                | 1,400                          | 59.3                                     | 32.9   | 46.1            | -0.3*                  | 70.6                         | 16     | 19.0         | 27     | 1.04               | 7                | -1.6                   | 0.35         | 25              | ..   |
| Earnsclough .. .. .              | 500                            | 63.2                                     | 36.5   | 49.8            | -0.6                   | 76.3                         | 16     | 24.2         | 27     | 1.01               | 8                | -0.4*                  | 0.35         | 25              | ..   |
| Waipiata .. .. .                 | 1,550                          | 58.3                                     | 38.8   | 48.6            | -0.9                   | 72.0                         | 15     | 29.0         | 27     | 1.57               | 5                | +0.1                   | 0.43         | 7               | 152  |
| Alexandra .. .. .                | 520                            | 62.2                                     | 39.6   | 50.9            | -0.2                   | 76.5                         | 14     | 27.4         | 27     | 0.95               | 9                | -0.3                   | 0.32         | 25              | 160  |
| Garston .. .. .                  | 1,009                          | 60.7                                     | 38.9   | 49.8            | ..                     | 71.0                         | 15     | 27.0         | 27     | 2.89               | 13               | ..                     | 0.75         | 17              | ..   |
| Roxburgh Hydro .. .. .           | 350                            | 64.1                                     | 41.3   | 52.7            | +0.5*                  | 82.8                         | 16     | 29.0         | 27     | 0.97               | 8                | -0.9*                  | 0.33         | 25              | ..   |
| West Arm, Lake Manapouri .. .. . | 593                            | 54.7                                     | 43.2   | 49.0            | ..                     | 60.1                         | 15     | 33.4         | 21     | 13.79              | 18               | ..                     | 2.57         | 25              | ..   |
| Mid Dome .. .. .                 | 1,252                          | 59.5                                     | 42.4   | 51.0            | +1.7*                  | 71.6                         | 16     | 31.4         | 28     | 4.13               | 13               | +0.8*                  | 0.95         | 25              | ..   |
| Cherry Farm, Waikouaiti .. .. .  | 21                             | 61.4                                     | 42.2   | 51.8            | ..                     | 78.0                         | 13     | 31.8         | 27     | 2.57               | 10               | ..                     | 1.27         | 9               | ..   |
| Moa Flat, West Otago .. .. .     | 1,345                          | 57.2                                     | 40.8   | 49.0            | +1.0*                  | 70.5                         | 16     | 30.4         | 27     | 3.66               | 14               | +1.1                   | 1.31         | 17              | ..   |
| Taieri .. .. .                   | 80                             | 61.8                                     | 41.4   | 51.6            | +0.3                   | 78.8                         | 13     | 29.3         | 30     | 2.56               | 12               | +0.3*                  | 0.72         | 8               | 127  |
| Musselburgh, Dunedin .. .. .     | 5                              | 60.0                                     | 46.2   | 53.1            | +0.3*                  | 71.2                         | 16, 23 | 38.0         | 2      | 3.48               | 13               | +1.0                   | 0.90         | 8               | 124  |
| Riversdale .. .. .               | 419                            | 59.4                                     | 40.6   | 50.0            | ..                     | 71.8                         | 16     | 25.3         | 27     | 3.43               | 11               | ..                     | 1.15         | 16              | ..   |
| Tapanui .. .. .                  | 550                            | 59.6                                     | 42.7   | 51.2            | +1.2                   | 74.6                         | 16     | 31.0         | 27     | 3.35               | 14               | +0.4                   | 0.81         | 17              | ..   |
| East Gore .. .. .                | 245                            | 59.8                                     | 43.1   | 51.4            | +1.0                   | 74.0                         | 16     | 30.0         | 27     | 4.15               | 14               | +1.3                   | 0.93         | 17              | ..   |
| Gore .. .. .                     | 240                            | 61.0                                     | 42.4   | 51.7            | +1.0                   | 75.5                         | 16     | 29.4         | 27     | 4.38               | 14               | +1.6*                  | 1.16         | 17              | 93   |
| Otautau .. .. .                  | 180                            | ..                                       | ..     | ..              | ..                     | ..                           | ..     | ..           | ..     | ..                 | ..               | ..                     | ..           | ..              | ..   |
| Pebble Hills .. .. .             | 150                            | 61.1                                     | 42.2   | 51.6            | +1.3*                  | 72.0                         | 16     | 30.0         | 27     | 6.01               | 18               | +2.7*                  | 1.46         | 17              | ..   |
| Invercargill Airfield .. .. .    | 0                              | 59.0                                     | 42.1   | 50.6            | +0.7                   | 67.8                         | 13     | 31.1         | 5      | 6.70               | 20               | +2.9                   | 1.57         | 17              | 77   |
| Scott Base, Antarctica .. .. .   | 45                             | ..                                       | ..     | 0.9             | ..                     | 20.0                         | ..     | -31.0        | ..     | ..                 | ..               | ..                     | ..           | ..              | ..   |

LATE RETURN

|                                 |    |      |      |      |       |      |   |      |    |      |    |       |      |    |    |
|---------------------------------|----|------|------|------|-------|------|---|------|----|------|----|-------|------|----|----|
| Tairua Forest, Mar 1961 .. .. . | 11 | 72.6 | 54.4 | 63.5 | +0.5* | 79.5 | 6 | 42.4 | 14 | 2.31 | 11 | -1.8* | 1.26 | 24 | .. |
|---------------------------------|----|------|------|------|-------|------|---|------|----|------|----|-------|------|----|----|

NOTE—At stations where departures from normal have an asterisk, the temperature record has been maintained for less than 10 years, the rainfall record for less than 20 years. Rainfall normals have been revised and now refer to the standard period 1921–50. Where observations are not available for the whole period, or where the site of the rain gauge has been changed, the normals are partly interpolated.

NOTES ON THE WEATHER FOR APRIL 1961

General: April was a sunny month with some spells of settled weather, especially from the 19th to the 24th. It was a good month for harvesting and in most areas farmers were well pleased with pasture growth and the state of their stock. However, in Marlborough the weather was too dry.

Strong north-westerly gales caused damage in many districts on the 1st.

Rainfall: Over most of the country rainfall was close to or somewhat below average. It was less than half the normal value in most of Marlborough and Nelson, and in parts of North Canterbury and Gisborne. In central Marlborough some stations received less than half an inch.

The only area with rainfall appreciably above average was Southland.

A number of stations in the South Island reported thunderstorms on the 17th.