

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for October 1959—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.			Maximum	Date	Minimum	Date				Amount	Date	
	Ft.	°F.	°F.	°F.		°F.		°F.		In.			In.		Hrs.
Hokitika South ..	15	57.5	41.2	49.4	−1.6*	68.0	30	30.8	18	4.84	12	−6.18*	1.03	1	219
Balmoral ..	650	60.4	36.8	48.6	−1.9*	74.0	11	27.0	7	2.50	11	+0.04	1.12	16	..
Lake Coleridge ..	1,195	57.7	37.3	47.5	−3.9	73.2	10	27.0	6	2.36	10	−0.67	0.76	1	..
Eyrewell ..	520	60.1	37.4	48.8	..	73.2	11	28.6	7	2.61	10	−0.66*	0.77	14	..
Franz Josef ..	450	58.9	39.9	49.4	..	70.6	30	31.6	6	7.88	12	..	2.15	1	..
Ashley Forest ..	350	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Darfield ..	640	60.3	38.5	49.4	−1.2	76.8	11	30.2	7	3.38	12	+0.69	1.20	14	..
Christchurch Airport ..	94	58.6	40.2	49.4	..	72.2	26	28.6	7	1.70	12	..	0.68	13	223
Christchurch ..	22	59.5	40.9	50.2	−2.9	72.9	26	31.2	6	1.18	12	−0.77	0.44	14	..
Wigram ..	74	59.1	40.2	49.6	−2.6*	72.7	26	27.1	6	1.21	13	−0.59*	0.37	14	..
Akaroa ..	150	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lincoln ..	36	58.5	37.5	48.0	−3.9	70.5	26	24.1	7	1.50	15	−0.22	0.32	14	218
Highbank ..	1,102	57.0	39.4	48.2	..	69.5	31	31.4	16	3.49	10	..	0.92	14	232
The Hermitage ..	2,510	53.5	35.8	44.6	−2.7	71.0	24	26.0	3	4.85	7	−12.38	1.82	1	128
Winchmore ..	626	58.2	37.6	47.9	−3.1*	75.2	11	27.7	7	2.50	10	+0.28*	1.36	14	..
Haast ..	15	57.1	41.8	49.4	−2.2*	63.6	31	33.1	4	5.33	12	−9.71*	1.30	11	248
Ashburton ..	323	61.3	38.7	50.0	−2.4	79.0	11	28.6	6	2.49	12	+0.07	0.96	14	202
Fairlie ..	1,004	57.8	35.3	46.6	−3.5	72.5	11	27.0	7, 19	3.71	9	+0.79	1.30	16	..
Timaru ..	56	60.6	41.2	50.9	−1.8	73.9	11	31.3	6	1.20	9	−0.73	0.41	14	234
Adair ..	200	56.6	40.3	48.4	−2.2*	74.7	11	32.1	6	2.08	8	+0.09	0.72	13	..
Tara Hills, Omarama ..	1,600	58.4	33.4	45.9	−3.1*	74.3	31	24.4	6	1.23	7	−0.55*	0.36	1	228
Benmore, Otematata ..	920	59.6	38.5	49.0	..	73.2	10	30.0	7	2.00	9	..	1.04	11	..
Milford Sound ..	20	56.8	41.1	49.0	−0.7	66.4	30	32.5	6	13.33	12	−12.51	3.69	11	..
Waimate ..	200	59.1	40.4	49.8	−2.4	69.6	11	30.5	6	1.63	12	−0.48	0.41	16	193
Naseby Forest ..	2,300	56.4	32.0	44.2	..	71.1	10	22.8	6	1.70	9	..	0.38	13	..
Queenstown ..	1,100	58.2	38.3	48.2	−2.2	71.1	30	30.0	6	2.03	10	−1.33	1.18	1	210
Cromwell ..	720	62.7	37.8	50.2	−0.9*	77.2	31	26.9	6	0.58	6	−0.78*	0.22	11	..
Ophir ..	1,000	61.6	33.9	47.8	−2.7	77.0	31	19.6	6	0.74	9	−0.95	0.23	14	..
Moa Creek ..	1,400	58.5	32.0	45.2	..	73.2	31	20.0	6	0.57	6	..	0.24	1	..
Earnsclough ..	500	62.3	36.6	49.4	−2.3	74.5	10	25.1	6	1.07	6	−0.14*	0.83	13	..
Waipiata ..	1,550	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Alexandra ..	520	62.5	38.8	50.6	−1.8	73.5	31	25.8	6	0.90	5	−0.32	0.70	13	251
Garston ..	1,009	59.7	35.8	47.8	..	75.0	31	24.0	6	1.21	13	..	0.39	1	..
Roxburgh Hydro ..	350	62.8	38.9	50.8	..	75.5	10	30.0	4, 6	0.70	6	−0.84*	0.30	1	..
Mid Dome ..	1,252	57.2	35.6	46.4	..	70.0	31	21.0	16	1.40	14	..	0.26	1	..
Moa Flat, West Otago ..	1,345	55.8	36.4	46.1	..	65.6	10	27.4	18	0.93	14	−1.36*	0.27	13	..
Taieri ..	80	58.0	39.8	48.9	−2.2*	73.8	11	31.0	19	1.73	13	−0.33	0.54	13	188
Musselburgh, Dunedin ..	5	56.8	43.8	50.3	−2.3*	66.7	11	35.0	15	1.74	16	−0.63	0.32	13	180
Tapanui ..	550	57.5	38.8	48.2	..	74.2	31	29.5	18	1.93	17	..	0.40	16	..
East Gore ..	245	58.3	39.5	48.9	−1.8	68.5	11	30.0	16	2.37	20	−0.48	0.48	13	..
Gore ..	240	58.2	39.0	48.6	−2.4*	70.0	11	31.4	15	2.16	20	−0.69*	0.31	11	170
Otautau ..	180	58.6	37.7	48.2	−1.9	69.0	26	29.0	18	2.96	13	−0.45*	0.71	4	169
Pebble Hills ..	150	57.8	38.2	48.0	..	70.0	10	28.0	16	2.13	13	−0.80*	0.40	10	..
Invercargill ..	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Invercargill Airfield ..	0	54.8	40.3	47.6	−1.4*	64.3	10	30.1	19	3.15	16	−0.33*	1.00	4	180

LATE RETURNS

Kaingaroa, Sep 1959 ..	1,800	59.1	37.1	48.1	+2.9	69.0	17	27.0	9	3.99	11	−0.57	1.10	27	..
Kuripapanga, Sep 1959 ..	1,600	58.7	35.5	47.1	..	71.2	17	21.2	1	3.11	9	..	1.75	27	..
Cromwell, Sep 1959 ..	720	60.0	37.2	48.6	+2.5*	68.3	20	27.5	8, 14	1.26	9	+0.15*	0.42	30	..
Earnsclough, Sep 1959 ..	500	61.8	33.6	47.7	+1.3*	68.4	15	23.0	9	0.84	9	+0.01*	0.36	30	..
Waipiata, Sep 1959 ..	1,550	58.0	34.0	46.0	+1.7	65.8	15	24.2	9	0.29	6	−0.83	0.18	2	199
Invercargill, Aug 1959 ..	8	52.2	37.3	44.8	+0.8	61.5	31	29.6	11, 12	2.54	19	−0.46*	0.78	16	..
Invercargill, Sep 1959 ..	8	57.2	41.0	49.2	+2.1	69.5	23	32.1	9	2.05	15	−1.25	0.43	15	..

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 OCTOBER 1959

General: October was a cool month over most of the country with an unusually high frequency of southerly and easterly winds.

Anticyclonic conditions predominated over the South Island, while a series of depressions travelled from the north Tasman Sea south-eastwards across the North Island, causing some heavy falls of rain in eastern districts of the North Island.

In the North Island growth was slow at the beginning of the month but improved later. With the flush of growth there were some reports of bloat in dairy herds. Good rains in the middle of the month brought welcome relief to dried-up pastures in Canterbury, but in parts of Otago farmers were still finding the weather too dry. A late snowfall caused some lamb losses in the south, but generally it was regarded as a good lambing season in the South Island.

Rainfall: In East Coast areas of the North Island and eastern Bay of Plenty rainfall was about double the average amount. Near Napier, where there was an exceptionally heavy fall of 6.39 in. on the 15th, the monthly totals were up to four times the average. Only about half the average rainfall occurred in Nelson and Central Otago, and on the West Coast, while the remainder of the country received about the normal October rainfall.

Temperatures: It was colder than usual by about 1 to 3 degrees south of Wanganui and Gisborne. Highest departures of 2 to 4 degrees were experienced in eastern districts of the South Island. In Canterbury it was the coldest October since 1945.

In the Auckland and Taranaki provinces temperatures were close to or somewhat above normal.

Snow fell in the central North Island between the 3rd and 7th, and some heavy falls were recorded in inland Canterbury between the 14th and 17th.

Sunshine: The whole of the South Island received more sunshine than usual and on the West Coast totals up to 90 hours above average were recorded.

By contrast, except in Taranaki, sunshine was below normal in the North Island, the deficit being large on the East Coast. Gisborne had a record low total, being 83 hours below its average value.

Weather Sequence: For the first four days of the month pressure was very low to the south of New Zealand and a series of fronts passed over the country in a cold west to south-west airflow. The showers, which were heavy in some areas, affected mainly west coast districts.

On the 5th a depression moved on to the Tasman Sea near Lord Howe Island and advanced towards the Auckland peninsula retarding a cold front which lay across the central North Island. Rain fell over most of the North Island on the 5th and 6th while the South Island experienced mainly fair weather under the influence of an anticyclone moving from the west.

The anticyclone with centre about latitude 45 S covered the country by the 8th, and except for North Auckland where easterly winds caused light rain, fair weather prevailed until the 11th.

The intense anticyclone split into two cells, one to the east and one to the west of New Zealand, and on the 11th another series of cold fronts moved on the South Island. They caused some heavy falls in Westland and some rain over most of the country during the following two days.