

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for September 1957—continued

Station	Height of Station Above M.S.L.	Air Temperatures in Degrees (Fahrenheit)							Rainfall in Inches				Bright Sunshine Hrs.		
		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.	
Eyrewell	520	57.2	36.3	46.8	..	69.0	25 27.3	9	5.38	7	+1.94*	3.05	3	..	
Ashley Forest	460	55.4	39.5	47.4	-0.5*	68.4	25 30.2	2	4.80	7	+2.14*	3.13	3	..	
Darfield	640	58.6	37.0	47.8	+0.8	71.7	16 29.1	1	5.38	8	+2.62	2.97	3	..	
Harewood	94	56.5	38.7	47.6	..	70.3	25 28.0	9	4.28	8	..	2.86	3	156	
Christchurch	22	58.0	40.5	49.2	+0.5	71.6	25 30.1	11	3.97	7	+1.91	2.21	3	..	
Wigram	74	57.1	39.7	48.4	-0.4*	70.0	25 29.0	11	3.72	8	+1.82*	2.15	3	..	
Akaroa	150	57.5	42.3	49.9	-0.5	69.2	16 33.5	10	2.30	9	-0.98*	0.72	27	163	
Lincoln	36	57.2	37.5	47.4	-0.1	69.0	25 26.4	10	3.10	10	+1.20	1.43	3	158	
Highbank	1,102	55.7	39.6	47.6	..	69.8	16 26.3	2	3.79	8	..	1.58	3	191	
The Hermitage	2,510	..	..	..	..	..	..	..	..	..	..	..	..	..
Winchmore	626	55.9	36.9	46.4	-0.1*	69.7	16 24.0	1	3.44	7	+1.08*	1.90	3	..	
Haast	15	57.9	40.8	49.4	+1.2*	63.8	5 30.0	9	5.97	11	-4.78*	1.70	25	156	
Ashburton	323	59.5	38.2	48.8	+0.9	74.8	25 26.8	9	2.93	6	+0.31	1.40	3	181	
Fairlie	1,004	57.9	34.7	46.3	+1.2	74.0	25 22.0	1,2	3.01	9	+0.35	1.05	3	..	
Timaru	56	56.5	40.7	48.6	+0.7	72.9	25 32.2	1	2.12	9	+0.17	0.95	3	156	
Adair	200	54.8	41.6	48.2	+0.9*	73.7	25 34.1	1	2.43	10	+0.31*	1.08	3	..	
Tara Hills, Omarama	1,600	..	..	..	..	..	..	..	..	..	..	..	..	..
Milford Sound	20	56.6	41.6	49.1	+2.7	61.7	4 34.2	8	11.16	16	-8.64	3.54	28	..	
Waimate	200	58.4	40.1	49.2	+0.7	74.8	25 31.8	1	3.16	11	+0.91	0.72	25	152	
Naseby	2,300	55.4	30.8	43.1	..	65.0	25 22.4	1	0.81	7	..	0.25	25	..	
Queenstown	1,100	57.4	37.4	47.4	+1.3	66.2	19 31.4	28	1.59	5	-1.07	0.96	25	176	
Cromwell	720	60.1	36.0	48.0	+1.9*	68.5	16 26.0	1	0.34	6	-0.77*	0.15	4	..	
Ophir	1,000	59.7	32.9	46.3	+1.0	68.2	23 20.2	1	0.62	7	-0.52	0.21	3	..	
Moa Creek	1,400	56.7	30.4	43.6	..	64.5	23 19.2	1	0.30	7	..	0.12	3	..	
Earnsclough	500	61.7	34.5	48.1	+1.7*	70.4	16 26.5	1,8	0.49	6	-0.34*	0.20	3	..	
Waipiata	1,550	55.8	34.1	45.0	+0.7	66.0	25 25.0	1	0.48	4	-0.64	0.28	26	186	
Alexandra	520	60.9	36.8	48.8	+1.7	70.6	16 27.0	9	0.49	6	-0.33	0.18	3	195	
Manorburn Dam†	2,448	51.6	31.8	41.7	+2.1	60.2	16 24.5	7	0.21	5	-0.96	0.08	18	..	
Garston	1,009	59.4	34.2	46.8	..	67.5	22 25.3	9	0.28	4	..	0.14	29	..	
Roxburgh Hydro	350	60.6	37.6	49.1	..	70.6	16 26.0	1	0.38	6	-0.71*	0.21	3	..	
Mid Dome	1,252	57.3	36.0	46.6	..	65.3	16,23 27.8	8	0.44	9	..	0.14	29	..	
Moa Flat, West Otago	1,345	45.4	36.0	45.4	..	63.7	16 28.1	7	0.78	7	-1.14*	0.29	3	..	
Taieri	80	57.2	37.2	47.2	-0.5*	69.0	16 28.0	1	0.82	10	-1.11*	0.35	3	140	
Musselburgh, Dunedin	5	56.3	42.3	49.3	+0.0*	70.0	16 34.5	1	1.58	10	-0.38	0.44	3	138	
Tapanui	550	58.1	37.7	47.9	..	66.7	23 29.5	7	0.91	5	..	0.54	3	..	
East Gore	245	59.6	37.6	48.6	+1.3	69.0	23 29.0	27	0.18	3	-2.28	0.10	3	..	
Gore	240	59.8	37.2	48.5	+0.9*	69.0	16,23 29.0	27	0.16	3	-2.30	0.09	3	166	
Otautau	180	57.8	36.8	46.8	+0.5*	66.2	23 27.2	27	0.69	8	-2.33*	0.25	3	170	
Pebble Hills	150	58.6	35.8	47.2	..	67.0	16,23 27.0	27	0.62	6	-2.22*	0.39	4	..	
Invercargill	8	57.8	39.2	48.5	+1.4	67.4	23 31.7	9	0.59	7	-2.71*	0.22	15	..	
Invercargill Airfield	0	57.1	36.9	47.0	+1.3*	66.6	23 28.8	9	0.54	7	-2.68*	0.21	15	177	

†Observations for 25 days.

LATE RETURN

East Gore, August, 1957 ..	245	52.1	34.7	43.4	+0.7	63.0	20 16.0	2,3	0.53	10	-1.54	0.19	20	..
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NOTE—At stations where departures from normal have an asterisk, the temperature record has been maintained for less than ten years, the rainfall record for less than twenty 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 SEPTEMBER 1957

September was drier than usual in many districts. The absence of cold spells made conditions particularly favourable for lambing, except in Canterbury, where heavy losses were reported in places after wet weather early in the month. Crops and pastures made good growth.

Practically the whole country benefited from a spell of sunny, settled weather lasting from about the 7th to the 17th.

Rainfall: Rainfall was about half the normal value over the greater part of the country. In Southland totals were exceptionally low. Gore received only 0.18 in., the lowest total for any month in fifty years of record; while for Invercargill with 0.57 in. it was the driest September in sixty years of observation.

It was wetter than usual in eastern districts from Gisborne to Oamaru and also about Cook Strait.

Temperatures: Temperatures were 1 to 2 degrees above normal over most of the North Island, and also on the West Coast and in Central Otago. Over the remainder of the South Island they were about normal.

Sunshine: Sunshine was about average in eastern districts of the South Island and over much of the North Island. Over the greater part of the South Island and also in Northland and Taranaki totals were better than average by 20 to 30 hours.

Weather Sequence: A depression had moved on to Northland from the north at the end of August, and its south-eastward movement on the first two days of September brought rain to the North

Island. By the 3rd another centre had developed to the west of Cook Strait, while pressure was high to the south. In the resultant easterly airstream rain spread to eastern districts of the South Island, with some heavy falls in Canterbury. The complex low pressure system remained almost stationary for several days, causing further dull, misty, and unsettled weather in eastern districts. With rising pressures there was a clearance in the south on the 7th, but showers were reported in Gisborne for another two days.

By contrast, from about the 8th to the 17th a large anticyclone covered the New Zealand area, bringing a spell of sunny, settled weather. The only part of the country which failed to benefit was Northland, where showers occurred in the easterly winds. Some rain was also reported on the Southland coast on the 15th.

On the 18th and 19th a depression passed close to Southland, and the associated trough of low pressure moved eastward across the country, with rain mainly in western districts. During the next four days another depression crossed the North Island with rain, heavy in Gisborne and Hawke's Bay on the 22nd. The 24th was mainly fair except in South Westland and Fiordland, but a general deterioration commenced on the following day as a trough of low pressure moved on to Southland. This trough soon became almost stationary through Cook Strait, and a small depression formed which crossed the southern half of the North Island. These last days of September were rather unsettled, but Northland and most of Southland received very little rain.

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