

Between the 3rd and the 6th a cyclone moved down from the north on to New Zealand, becoming more extensive in the process. This storm produced general rains which were of very great value to the country. The heaviest fell on the 5th when the storm was in the form of an irregular cyclone covering the central portion of the Dominion. The principal wheat-growing areas of Canterbury received between 2½ and 5 in. Large amounts were recorded also in eastern Otago and in Hawke's Bay. In the latter district there were heavy thunderstorms. Though cold weather followed it, and there was snow on the high levels, especially in Canterbury, the rain was a fairly mild one. North Auckland had heavy rain in the early part of this storm.

About a week later, on the 11th to 12th, another depression caused widespread rain, Canterbury again having heavy falls. This depression was of the westerly type, but a cyclone developed in its northern portion.

The third storm system occurred between the 20th and 24th. Following the passage of a westerly depression on the night of the 20th, a series of cyclones developed over the northern part of the Tasman Sea and passed to the north of the Dominion. Rains were again fairly general, but the parts principally affected were the northern and eastern portions of the North Island. From the morning of the 22nd cold southerly or south-easterly winds prevailed over the greater part of the country.

A somewhat similar type of weather was experienced from the 27th to the 30th, but on this occasion there was very little rain in the South Island and the cold was much less severe.

EDWARD KIDSON, Director.

CLIMATOLOGICAL TABLE.  
MEANS AND TOTALS FROM CHIEF STATIONS.  
November, 1933.

Altitude above Sea-level.	Name of Station and Observer.	Extremes.				Total Rainfall (100 Points to the Inch).	Days with Rain (½ Point or more).	Altitude above Sea-level.	Name of Station and Observer.	Extremes.				Total Rainfall (100 Points to the Inch).	Days with Rain (½ Point or more).
		Mean Temp. Air in Shade.	Mean Max. Temp.	Mean Min. Temp.	Deg.					Deg.	Deg.	Points.	Mean Temp. Air in Shade.		
	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.				SOUTH ISLAND.	Deg.	Deg.	Deg.	Points.		
200	TE PARI, TE HAPUA .. R. J. Harrison	59.8	65.1	54.5	739	19	24	NELSON .. O. B. Pemberton	57.2	66.0	48.3	117	10		
225	WAIPOUA, DONNELLY'S CROSSING A. Bodle	59.7	65.9	53.5	357	15	57	APPLEBY, NELSON .. W. J. Biggar	56.8	66.2	47.4	60	6		
110	RIVERHEAD .. J. Johnson	56.6	65.9	47.3	300	7	60	BLENHEIM .. P. J. Galliers	58.0	69.8	46.2	94	8		
160	AUCKLAND .. S. M. Yallop	60.5	66.5	54.5	248	15	860	WAIHOPAI, BLENHEIM .. J. Stanwell	56.1	67.4	44.8	223	10		
404	WAIHI .. M. F. Haszard	58.2	66.0	50.4	955	12	800	GOLDEN DOWNS, NELSON Forest Ranger	53.8	65.9	41.7	307	9		
46	TE AROHA .. C. E. Christensen	61.2	70.4	52.1	226	10	1225	HANMER SPRINGS .. H. Roche	53.8	66.3	41.3	311	8		
100	TAURANGA .. Miss K. Butcher	58.2	66.4	50.0	600	17	743	BALMORAL, CULVERDEN .. J. E. Fletcher	55.8	67.4	44.3	192	7		
131	R U A K U R A F A R M, HAMILTON EAST G. K. McPherson	57.8	68.8	46.7	289	10	12	HOKITIKA .. J. A. Chesney	54.7	62.2	47.2	627	13		
230	CAMBRIDGE .. H. McArthur	58.6	69.4	47.7	178	8	1220	LAKE COLERIDGE .. H. E. M. Hart	55.4	65.7	45.0	194	8		
925	ROTORUA .. W. E. Penno	57.2	65.5	48.9	491	14	22	"RUDSTONE," METHVEN James Carr	53.3	63.1	43.5	491	13		
1000	ROTORUA NURSERY, WHA- KAREWAREWA W. T. Morrison	57.2	67.0	47.3	404	14	36	CHRISTCHURCH .. H. F. Skey	54.6	62.8	46.3	162	6		
617	ONGARUE .. D. J. Gardiner	57.4	68.2	46.6	321	19	2510	LINCOLN .. E. W. Hullett	54.5	64.7	44.3	136	6		
60	NEW PLYMOUTH .. G. H. Dolby	58.7	65.4	52.0	333	16	323	THE HERMITAGE, MOUNT COOK C. Elms	51.8	62.7	40.8	735	12		
3670	CHATEAU TONGARIRO, NATIONAL PARK W. J. Stevens	46.6	55.0	38.2	704	16	323	ASHBURTON .. H. P. Clayton	54.2	64.6	43.9	439	10		
2125	KARIOI .. L. H. Bailey	51.6	62.4	40.9	237	15	2350	LAKE TEKAPO .. Miss D. C. Trott	53.8	62.5	45.0	315	5		
5	NAPIER .. T. R. Hutton	56.0	63.9	49.9	238	13	1000	FAIRLIE .. C. Searle	54.2	67.9	40.6	533	8		
45	HASTINGS .. H. N. Fowler	55.4	66.6	44.3	208	10	56	TIMARU .. A. W. Anderson	54.1	63.5	44.7	477	6		
2157	TAIHAPE .. A. R. Fannin	52.8	61.1	44.6	265	15	200	WAIMATE .. F. Akhurst	53.0	63.7	42.4	434	7		
8	TANGIMOANA .. G. W. Braddell	56.8	65.5	48.1	149	8	1110	QUEENSTOWN .. F. W. Bailey	54.2	65.0	43.3	207	6		
100	PALMERSTON NORTH .. E. J. Werry	57.0	65.9	48.1	201	15	1000	OPHIR .. Rev. A. Don	53.8	67.1	40.6	179	7		
110	MASSEY AGR. COL., PAL- MERSTON NORTH Meteorological Observer	56.4	65.0	47.8	239	14	1550	SANATORIUM, WAIPIATA .. Dr. A. Kidd	51.7	63.9	39.5	113	6		
384	PAHIATUA .. A. W. Hamilton	54.6	64.2	45.0	300	11	520	ALEXANDRA .. Geo. Smith	55.0	66.6	43.4	159	6		
44	KAITI ISLAND .. A. S. Wilkinson	57.2	63.6	50.8	101	7	2448	MANORBURN DAM .. S. Wragge	46.8	57.6	36.0	198	6		
387	MASTERTON .. Miss R. Robinson	54.6	66.2	43.1	139	8	240	DUNEDIN .. D. Tannock	53.0	61.9	44.0	498	13		
415	WELLINGTON ..	55.0	62.4	47.6	158	9	245	GORE .. A. T. Newman	..	..	..	..	..		
							12	INVERCARGILL .. L. Lennie	52.0	60.0	44.0	254	19		