

Government Meteorological Observatory.

METEOROLOGICAL Observations at Kelburn, Wellington, for the Month of November, 1932. Observations taken at 9 a.m.

Altitude of Observatory, 415 ft.

Date	Pressure in Inches at Sealevel and Standard Gravity.	Temperature (° F.) from Observations at 9 a.m.							Wind.			Rainfall, in Points: (100 Points = 1 Inch).	Bright Sunshine: Hours and Tenths.	Weather (Symbols) at 9 a.m.	
		In Screen.					Minimum on Grass.	Solar Radiation: Maximum.	Beaufort Scale.		Anemometer.				
		At 9 a.m.			Maximum.	Minimum.			Direction.	Force.					Run in 24 Hours.
		Dry.	Wet.	Humidity.											
1	30.019	58.9	53.8	70	61.4	48.9	41.1	124.2	N	5	104	Trace	8.1	c	
2	29.901	56.5	55.3	93	63.9	53.0	51.0	140.0	NW	5	451	..	6.7	oq	
3	30.036	62.0	53.8	55	65.4	52.8	49.3	129.6	NW	5	417	..	11.5	c	
4	30.173	59.7	54.3	69	60.2	49.7	45.1	126.9	NW	5	201	..	10.0	o	
5	29.828	58.1	55.4	83	59.2	53.4	51.9	96.6	NW	6	450	41	0.2	oq	
6	29.778	52.3	51.3	93	59.9	49.2	49.1	120.5	SSE	4	368	..	5.9	op	
7	29.936	59.7	55.0	73	62.9	47.1	40.6	132.0	NNE	4	139	..	11.8	bc	
8	29.810	59.5	52.4	59	62.9	49.2	45.9	129.0	NW	6	217	27	10.0	c	
9	29.953	50.8	47.0	73	59.2	44.6	44.0	127.6	SSE	5	367	..	8.7	c	
10	30.015	58.9	53.3	67	64.0	41.5	36.6	128.2	N	3	147	..	10.5	c	
11	30.112	63.0	56.7	66	69.2	49.4	45.9	130.2	E	1	157	..	13.0	bz	
12	30.013	59.9	55.0	72	61.3	54.8	51.1	127.0	NW	6	127	5	10.5	bq	
13	30.142	49.0	46.2	79	56.0	46.3	44.5	118.3	SE	5	286	Trace	0.7	op	
14	30.291	55.1	48.8	60	61.3	45.9	42.3	125.2	SE	4	204	..	13.2	bc	
15	30.206	61.3	56.0	70	65.8	45.0	37.8	136.7	NNW	2	96	Trace	10.5	b	
16	30.247	55.8	50.8	69	63.5	49.1	49.1	128.6	Calm	..	140	..	3.5	o	
17	30.132	59.1	53.0	64	62.7	51.2	48.8	130.8	NNW	5	129	..	10.1	c	
18	30.012	62.0	54.5	59	64.3	49.9	46.7	132.1	N	4	200	..	13.0	o	
19	29.793	62.2	59.8	86	63.8	57.0	55.1	123.8	NW	6	375	..	2.3	oq	
20	29.751	63.2	52.1	42	68.0	54.0	51.1	130.2	SW	2	528	..	12.8	b	
21	29.985	62.0	54.0	56	64.0	52.0	46.8	130.2	NNW	5	234	..	12.2	bc	
22	30.155	62.0	55.8	65	65.0	53.1	51.0	133.8	NNW	4	235	..	7.9	c	
23	30.035	63.2	61.0	88	64.1	57.0	57.1	130.9	NW	6	410	6	1.5	oq	
24	29.711	62.8	57.0	68	64.2	56.0	55.2	126.8	NW	6	592	..	12.6	bq	
25	29.736	61.4	51.3	45	63.7	52.8	45.6	126.0	NW	5	435	..	13.4	b	
26	29.511	61.1	54.1	61	63.8	52.1	45.1	134.3	NW	6	364	45	10.0	bq	
27	29.886	50.8	46.7	71	60.0	45.2	44.7	127.8	SSW	4	353	..	7.6	op	
28	29.776	58.3	52.8	67	64.2	46.1	41.3	125.3	N	5	155	2	10.7	o	
29	29.668	51.8	49.0	80	57.4	50.0	49.9	131.1	SSE	3	421	..	1.7	o	
30	29.946	53.0	48.1	68	57.0	47.3	47.0	132.7	SE	3	212	6	7.3	o	
Means, &c.	29.952	58.4	53.1	69	62.6	50.1	47.0	127.9	..	4.3	284	132	257.9	..	
		68													

Mean earth temperature at 1 ft., 60.3°; and at 3 ft., 57.5°. Number of rain days, 7.

DIRECTION OF WIND.

Gale (force 8 or more).	Forces 4 to 7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
..	23	1	6½	½	1	4½	2	1½	..	13

NOTE.—A fine, warm, and sunny month, with moderate to strong north-westerly winds prevailing. Rainfall was 54 per cent. below the mean of previous years. Total bright sunshine, 257.9 hours, 40 per cent. of the possible, and no sunless days. Thunder was heard on the 8th and 9th, and lightning was seen on four days. Mean dew-point at 9 a.m., 48.0°; and mean vapour pressure, 0.334 in.

NOTES ON THE WEATHER OF NOVEMBER, 1932.

General.—The outstanding feature of November's weather was the very low rainfall experienced in most districts. It was a typical spring month in the prevalence of north-westerly winds, gales being recorded on several occasions in the South Island and the southern half of the North. During the past few years these spring north-westers have been rather less prominent than usual, so that last month's experience was rather in the nature of a return to normal. The amount of sunshine was almost everywhere much above the average. Temperatures were rather below normal over most of the North Island and especially in Hawke's Bay, but in the Wellington Province and all the South Island, except the west coast, they were above normal. The dry weather and strong winds have caused the growth of pastures to be checked, but following on the October rains, feed for stock was perhaps more plentiful than it has ever been before in New Zealand, and in most places showers occurring at opportune times have been just sufficient to maintain good conditions. In a few districts there has been a slight falling off in the milk yield, but otherwise stock are doing particularly well. Reports regarding crops are also, on the whole, favourable. Haymaking has been commenced unusually early, and a great deal of ensilage has already been laid down. Except for the prevalence of the grass-grub beetle, there is less complaint than usual regarding pests. Good soaking rains within the next few days will be needed if the effects of the persistent dry weather are not to become serious.

Rainfall.—The dearth of rainfall was especially marked in the North Island, most localities receiving less than half the average, while in many parts of the Auckland Province, including North Auckland, the central interior, and the Gisborne districts, less than a quarter was the rule. Since most of the rain was associated with westerly depressions, the western districts from Kawhia southwards and the high levels fared rather better than the remainder of the country.

In the South Island, Nelson, Marlborough, North Canterbury, and Central Otago had a very dry month. Heavy rains occurred on several occasions on the west coast and the deficits there were generally small and unimportant. Similar remarks apply to most of Southland and Stewart Island. In South Canterbury heavy local downpours, often accompanied by thunder, occurred on two or three occasions when a southerly change followed a warm north-wester. As a result, most of this area received more than the average fall.

Temperatures.—Some reference has already been made to temperature conditions. The mean was about 1° F. below normal in Hawke's Bay and about the same amount above it in the South Taranaki Bight area. In other parts of the North Island the departures were small. In the South Island, conditions were about average on the west coast, but east of the ranges the north-westers brought high temperatures, means being 1° F. to 2° F. or even more above normal.

A few frosts were recorded, but most of them were light. Some damage was done to tender vegetation, many tomato plants being killed, for instance, in Hawke's Bay by a frost on the morning of the 10th.

Sunshine.—Most stations recorded twenty to thirty hours more than the average sunshine. Nelson had 298.2 hours and Blenheim 287.2.