

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of November, 1920. Observations taken 9 a.m.

Altitude of Observatory, 10 ft.

Date.	Barometer reduced and corrected in Inches to Lat. 45°.	From Self-regulating Instruments, for Twenty-four Hours previously.						Amount of Cloud, 0 to 10.	Direction of Wind.	Rainfall in Points (100 to 1 Inch).
		Max. Temp. in Shade.	Min. Temp. in Shade.	Mean Temp. in Shade.	Solar Radiation.	Terrestrial Radiation.	Velocity Wind, in Miles.			
1	29.974	54.6	45.0	49.3	120.0	43.2	472	8 S.S.W.	Trace	
2	29.607	56.2	38.8	47.5	122.0	29.3	236	8 N.	23	
3	29.294	60.0	52.9	56.4	132.0	50.4	442	3 N.W.	..	
4	29.509	60.7	44.3	52.5	129.0	34.2	261	5 N.W.	Trace	
5	29.683	61.0	41.4	51.2	119.0	29.8	168	3 N.W.	72	
6	29.656	58.0	47.1	52.5	127.0	46.2	588	10 S.S.E.	..	
7	29.950	57.8	45.8	51.8	132.0	37.8	217	2 N.W.	Trace	
8	29.821	57.7	52.0	54.8	127.0	48.8	503	10 W.N.W.	..	
9	29.943	60.7	48.9	54.8	119.0	39.1	253	2 N.N.W.	..	
10	29.622	63.0	56.0	59.5	133.0	53.7	469	7 N.W.	32	
11	29.782	59.7	39.9	49.8	129.0	29.3	196	4 N.N.W.	..	
12	29.410	62.3	53.3	57.8	128.0	42.8	242	8 N.W.	8	
13	29.542	66.8	44.0	55.4	139.0	42.2	223	7 E.S.E.	28	
14	29.539	56.9	40.8	48.8	128.0	38.6	262	7 S.W.	4	
15	29.823	55.9	41.1	48.5	129.0	37.7	362	1 S.S.W.	Trace	
16	29.783	61.7	47.0	54.3	119.0	40.1	206	1 Calm	5	
17	29.682	66.9	53.6	60.2	133.0	52.1	363	10 N.	2	
18	29.878	63.1	49.8	56.4	135.0	43.1	319	10 N.N.W.	..	
19	30.026	62.0	54.8	58.4	119.0	47.8	460	1 N.	..	
20	29.993	62.2	53.5	57.8	127.0	49.7	360	8 N.	22	
21	29.808	61.5	53.5	57.5	139.0	53.8	266	10 N.W.	6	
22	29.490	64.0	54.6	59.3	128.0	50.3	351	2 N.W.	..	
23	29.719	62.3	53.3	57.8	133.0	48.9	392	6 N.N.W.	..	
24	29.998	60.4	54.2	57.3	133.0	50.2	475	4 N.N.W.	5	
25	30.117	62.0	58.2	60.1	136.0	55.0	548	10 N.W.	Trace	
26	30.113	61.8	57.1	59.4	113.0	56.1	560	10 N.W.	8	
27	30.151	61.9	46.8	54.3	128.0	35.5	271	7 E.	..	
28	29.936	67.7	52.0	59.8	139.0	45.5	196	10 N.W.	37	
29	29.719	59.8	56.2	58.0	134.0	55.3	513	10 N.	3	
30	29.709	62.2	52.3	57.2	127.0	50.6	402	8 S.S.E.	15	
*	29.776	61.0	49.6	55.3	128.5	44.6	353	6.4	..	270
†	29.893	63.5	50.3	56.9	120.2	43.6	271	348

* Means, &c. † Means previous years.

DIRECTION OF WIND.

	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
10	..	2	..	4	1	1	11	1	

NOTE.—A cloudy and showery month, with strong N. and N.W. winds prevailing. Total bright sunshine, 160 hours 34 minutes, and five sunless days. Mean earth temperature at 1 ft. was 57.2°, and 56.5° at 3 ft. Mean dew-point, 47.8°; mean elastic force of vapour, 0.333 in.; and mean relative humidity, 76 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

November, 1920.

Ft.	Name of Station and Observer.	Altitude above Sea-level.	Absolute Mean Temp. Air in Shade.	Extremes.		Total Rainfall (100 Points to the Inch).	Days with Rain († Point or more).
				Mean Max. Temp.	Mean Min. Temp.		
125	NORTH ISLAND.		Deg.	Deg.	Deg.	Points.	Dys.
125	AUCKLAND .. F. A. F. Burnett		59.4	64.9	53.5	367	16
46	TE AROHA .. G. F. McGirr		55.8	64.7	47.0	248	12
925	ROTORUA .. L. Bayfield		57.2	67.4	47.0	342	10
340	WAIHI .. Mrs. Clifford		58.5	67.2	49.9	473	15
..	TAURANGA .. C. J. Butcher		57.7	67.5	48.0	385	11
160	NEW PLYMOUTH
250	MOUMAHAKI .. J. G. McFarlane		54.9	64.3	45.5	277	12
2080	TAIHAPE .. A. R. Fannin		50.5	57.9	43.2	332	18
100	PALMERSTON NORTH .. J. A. Colquhoun		55.1	62.4	47.9	472	17
119	CENTRAL DEVELOPMENT FARM, WERAROA J. Beverley		54.5	60.5	48.6	521	20
186	GREYTOWN .. T. W. Bowman		56.4	65.7	47.2	348	12
377	MASTERTON .. R. Brown		55.6	65.6	45.7	316	15
70	GREENMEADOWS, NA-PIER .. T. B. McBreen		60.9	71.4	50.4	58	4
..	TRENTHAM MILITARY HOSPITAL		52.8	58.6	47.1	400	16
10	WELLINGTON ..		55.3	61.0	49.6	270	15
..	SOUTH ISLAND.						
..	BRIGHTWATER .. Ven. Archdeacon Kempthorne		54.3	64.3	44.3	264	14
34	NELSON .. J. Williams		55.6	64.7	46.6	225	11
1220	HANMER SPA .. G. J. O'Brien		54.3	63.8	44.9	318	11
25	CHRISTCHURCH .. H. F. Skey		55.5	65.5	45.6	175	12
42	LINCOLN .. L. J. Wild		55.0	67.6	42.5	159	10
1220	KISSELTON .. A. R. Blackwood		56.3	67.7	44.9	333	10
..	RAKAIA .. Miss A. Hardy		55.2	66.8	43.7	155	9
130	TIMARU .. Caretaker of Domain		55.0	66.6	43.5	189	15
200	WAIMATE .. F. Akhurst		53.4	63.4	43.4	272	18
300	DUNEDIN .. D. Tannock		51.5	59.9	43.1	427	22
245	GORE .. A. T. Newman		49.1	58.1	40.1	614	25
12	HOKITIKA .. J. A. Chesney		51.1	57.6	44.7	1717	25
12	INVERCARGILL .. L. Lennie		50.0	57.9	42.1	688	24

SUMMARY FOR THE MONTH OF NOVEMBER, 1920.

During November pressure was almost continuously below normal in the south owing to frequent disturbances passing in higher latitudes, while anticyclone centres invariably moved north of the Dominion. As a consequence, strong winds between north-west and south-west prevailed, and the weather proved very changeable, and often boisterous, with heavy rains in districts with a westerly aspect.

The total rainfall was considerably above the average in the West Coast and southern half of the South Island, and slightly above in the Taranaki and Auckland districts of the North. Elsewhere it was generally below, the greatest deficiency being experienced in the Gisborne and Napier districts.

Thunderstorms occurred on several occasions in various parts of the Dominion, and some stations recorded damage to fruit crops through the accompanying hail squalls.

D. C. BATES, Director.