

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of March, 1919. Observations taken 9 a.m.

Altitude of Observatory, 8 ft.

Date.	Barometer reduced and corrected in inches to Lat. 45°.	From Self-registering 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.	Veloc. Wind, in Miles.	Direction of Wind.			
1	30-032	73.4	59.0	66.2	131.0	51.8	203	4	N.W.	..	
2	30-037	66.0	59.9	62.9	134.0	54.2	372	10	S.	..	
3	30-362	65.0	53.2	59.1	132.0	50.5	377	8	S.E.	..	
4	30-348	64.3	42.7	53.5	134.0	30.0	131	0	Calm	..	
5	30-277	71.2	57.0	64.1	131.0	51.5	219	3	N.	..	
6	30-276	68.7	49.9	59.3	131.0	37.7	141	3	ESE	..	
7	30-172	68.0	57.8	62.9	132.0	54.0	195	1	ENE	..	
8	29-945	73.8	48.1	58.4	138.0	34.7	78	0	N.	..	
9	29-763	70.4	60.8	65.6	131.0	54.9	311	9	N.W.	..	
10	29-914	68.0	58.8	63.4	123.0	57.3	271	10	S.	..	
11	29-893	66.7	58.1	62.4	118.0	55.6	205	1	N.	..	
12	29-612	69.9	60.5	65.2	133.0	57.2	257	1	NNW	..	
13	29-872	70.7	47.0	58.8	126.0	33.4	229	0	E.	..	
14	29-912	68.4	57.0	62.7	130.0	51.5	203	4	N.W.	..	
15	29-876	65.0	59.6	62.3	136.0	55.7	510	10	N.	64	
16	29-588	69.4	54.7	62.0	138.0	51.0	447	1	NW.	..	
17	29-812	66.0	57.4	61.7	126.0	50.8	424	0	NW.	..	
18	29-786	68.5	59.5	64.0	129.0	56.6	463	0	S.W.	..	
19	30-271	72.5	47.3	59.9	135.0	35.9	181	0	N.E.	..	
20	30-119	65.1	55.2	60.1	122.0	48.3	203	7	N.W.	6	
21	29-728	63.7	57.0	60.3	128.0	54.5	359	10	N.W.	1	
22	29-492	67.1	57.8	62.4	131.0	52.5	317	0	W.	29	
23	29-668	66.0	41.9	53.9	137.0	29.5	148	1	N.	..	
24	29-664	65.5	57.8	61.6	126.0	49.3	372	7	NNW	3	
25	29-554	65.2	60.1	62.6	123.0	57.0	519	10	N.W.	7	
26	30-021	64.0	48.0	56.3	124.0	43.2	351	1	S.	..	
27	30-314	58.5	47.0	52.7	120.0	36.3	307	2	N.	..	
28	30-267	60.1	55.6	57.8	126.0	52.9	361	6	N.W.	..	
29	30-551	62.5	52.5	57.5	129.0	48.6	330	3	S.	..	
30	30-584	60.1	39.1	49.6	119.0	25.6	147	0	Calm	..	
31	30-481	67.5	52.0	59.7	123.0	44.5	166	7	N.W.	..	
*	30-006	66.8	53.9	60.3	128.9	47.3	284	3.8	..	110	
†	30-029	66.8	54.0	60.5	117.1	47.1	238	337	

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
9	1	3	1	4	1	1	9	2

[NOTE.—A sunny autumn month, with rainfall 64 per cent. below the mean of previous years. Total bright sunshine 239h. 12m., and one sunless day, giving an average of 7h. 43m. per diem. Frost was recorded on the grass on three mornings. The mean earth-temperature at 1 ft. and 3 ft. was 64.4°. Mean dew-point, 50.2°; mean elastic force of vapour, 0.364 in.; and mean relative humidity, 69 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

March, 1919.

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 (3 Point or more).
				Mean Max. Temp.	Mean Min. Temp.		
125	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.	
125	AUCKLAND .. F. A. F. Burnett	63.4	70.3	56.5	207	13	
46	TE AROHA .. G. F. McGirr	59.9	70.5	49.3	273	11	
925	ROTORUA .. J. R. Cummins	59.9	69.3	50.6	325	8	
340	WAIHI .. P. A. Clifford	60.8	71.4	50.3	442	11	
..	TAURANGA .. C. J. Butcher	59.4	72.0	46.8	281	9	
160	NEW PLYMOUTH .. W. W. Smith	64.8	74.3	55.3	342	9	
250	MOUMAHAKI .. T. W. Lonsdale	59.4	69.6	49.2	447	12	
2080	TAIHAPE .. A. R. Fannin	55.0	63.8	46.2	135	10	
100	PALMERSTON NORTH .. J. A. Colquhoun	58.3	68.8	47.8	128	6	
119	CENTRAL DEVELOPMENT FARM, WERAROA J. Beverley	56.9	66.6	47.2	218	10	
186	GREYTOWN .. W. C. Davies	58.6	70.6	46.7	79	6	
377	MASTERTON .. Wm. Hood	59.4	73.4	44.9	57	7	
70	GREENMEADOWS, NA-PIER T. B. McBreen	61.1	70.2	52.0	97	6	
..	TRENTHAM MILITARY CAMP Lieut.-Col. Leahy	219	5	
10	WELLINGTON .. Ven. Archdeacon Kempthorne	60.3	66.8	53.9	110	6	
..	SOUTH ISLAND.						
..	BRIGHTWATER .. H. Dolamore	60.9	70.6	51.2	99	5	
34	NELSON .. J. R. Dart	60.5	70.2	50.9	91	6	
1220	HANMER SPA Miss M. Stewart	57.4	69.8	45.0	70	4	
25	CHRISTCHURCH .. H. F. Skey	58.7	69.2	48.2	69	4	
42	LINCOLN .. L. J. Wild	58.9	71.3	46.5	55	6	
1220	KISSELTON .. A. R. Blackwood	56.8	68.2	45.5	127	5	
..	RAKAI .. Miss A. Hardy	58.5	71.5	45.5	79	6	
130	TIMARU .. Caretaker of Domain	58.0	69.6	46.4	75	6	
200	WAIMATE .. F. Akhurst	56.7	68.1	45.4	70	4	
300	DUNEDIN .. D. Tannock	56.1	64.5	47.7	137	10	
245	GORE .. H. Dolamore	54.3	66.3	42.4	263	13	
12	HOKITIKA .. W. H. Fleming	55.9	63.3	48.6	524	14	
12	INVERCARGILL .. L. Lennie	53.6	65.1	42.1	314	17	

SUMMARY FOR THE MONTH OF MARCH, 1919.

Fine, warm days ruled during March, but the nights were often cold, particularly in the beginning and towards the close of the month, when anticyclonic pressures were in evidence. Rainfall was again much below the mean of previous years over the whole Dominion, and on this account vegetable growth was very backward, especially in the East Coast districts.

The two chief disturbances were of the westerly type, and they were effective between the 14th and 18th and the 20th and 26th respectively. Somewhat squally conditions were experienced in various parts of the country during these two periods, and on the 16th a severe south-west gale raged in Canterbury, and was responsible for a considerable amount of damage to trees, crops, &c.

D. C. BATES, Director.