

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of April, 1924. Observations taken 9 a.m.

Altitude of Observatory, 10 ft.

Date.	Barometer reduced and corrected in inches to Lat. 43°.	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.			
1	30.059	74.9	63.1	69.0	83.0	58.1	184	7	N.W.	..
2	30.065	71.1	56.2	63.6	95.0	47.8	150	0	N.W.	..
3	30.106	77.8	64.0	70.9	77.0	59.1	151	8	N.W.	Trace
4	30.134	73.3	62.8	68.0	96.0	58.8	271	6	N.W.	..
5	30.203	69.9	62.9	66.4	69.0	58.1	244	8	S.E.	..
6	30.336	70.2	53.5	61.8	76.0	49.5	269	10	S.E.	Trace
7	30.449	64.9	54.0	59.4	76.0	51.3	206	9	S.E.	..
8	30.577	61.4	55.3	58.3	89.0	52.1	267	4	S.E.	..
9	30.503	69.0	45.4	57.2	116.0	36.1	61	1	N.E.	..
10	30.425	68.8	58.4	63.6	117.0	51.9	158	7	N.E.	..
11	30.193	69.8	60.9	65.3	116.0	56.9	279	7	N.W.	..
12	30.148	66.6	62.8	64.7	110.0	60.0	461	10	N.W.	..
13	30.160	67.5	61.4	64.4	112.0	55.0	338	8	N.	..
14	30.108	69.9	62.5	66.2	124.0	56.1	311	8	N.W.	..
15	30.107	69.2	54.9	62.0	119.0	42.9	200	10	S.E.	..
16	30.029	64.1	51.6	57.8	106.0	41.0	137	4	N.E.	..
17	30.179	71.2	48.9	60.0	120.0	36.1	126	3	N.E.	..
18	30.225	71.9	57.5	64.7	118.0	45.5	131	9	S.	..
19	30.141	68.9	59.0	63.9	117.0	42.1	97	7	N.E.	..
20	30.025	75.5	52.0	63.7	136.0	42.3	29	3	Calm	..
21	30.047	68.2	54.0	61.1	116.0	50.0	61	0	Calm	..
22	29.993	73.2	60.2	66.7	119.0	50.2	211	10	N.W.	78
23	29.619	71.2	62.2	66.7	99.0	58.8	370	10	N.	55
24	29.892	66.6	63.0	59.8	117.0	48.8	377	9	S.	..
25	29.861	61.2	50.0	55.6	114.0	43.5	125	3	N.	14
26	29.529	63.8	57.1	60.4	119.0	54.0	330	8	N.N.E.	107
27	29.403	64.5	48.8	56.6	105.0	47.0	339	10	S.	5
28	29.596	61.2	42.8	52.0	105.0	37.1	153	8	N.W.	1
29	29.542	63.7	57.8	60.7	98.0	54.6	472	10	N.W.	11
30	29.610	62.9	55.4	59.1	97.0	52.6	413	10	N.W.	2
31	..	..	..	..	..	..	..	..	..	..
*	30.043	68.4	56.3	62.3	105.4	49.9	231	6.9	..	273
†	30.043	62.7	51.2	56.9	107.1	44.2	234	5.5	..	392

\* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
4	5	..	5	3	..	..	11	2

NOTE.—A cloudy month, with moderate to strong north-west winds prevailing. Temperatures were well above the mean, and the total precipitation, which was recorded during the last week of the month, was 30 per cent. below the mean of previous years. Thunder was heard on the 30th, fogs occurred on the 20th and 21st, and snow fell on the 27th, in the early morning. Mean earth-temperature at 1 ft. was 63.1°, and 63.7° at 3 ft. Mean dew-point, 54.2°; mean elastic force of vapour, 0.421 in.; and mean relative humidity, 75 per cent. of saturation.

CLIMATOLOGICAL TABLE. MEANS AND TOTALS FROM THE CHIEF STATIONS. April, 1924.

Ft.	Name of Station and Observer.	Absolute Mean Temp. Air in Shade.	Extremes.		Total Rainfall (100 Points to the inch).	Days with rain (½ Point or more).
			Max. Temp.	Min. Temp.		
152	NORTH ISLAND. AUCKLAND ..	Deg. 65.7	Deg. 71.1	Deg. 60.3	Points. 1155	19
181	RUAKURA FARM, HAMILTON EAST. W. B. MORRO ..	61.4	72.6	50.3	979	15
46	TE AROHA .. C. E. Christensen ..	64.3	73.2	55.4	854	16
340	WAIHI .. C. F. Sims ..	63.3	72.2	54.4	2275	20
100	TAURANGA .. C. J. Butcher ..	63.5	70.2	56.8	923	18
925	ROTORUA .. W. E. Penno ..	61.2	69.5	52.9	935	14
60	NEW PLYMOUTH .. G. H. Dolby ..	62.0	69.0	55.0	829	14
250	MOUMAHAKI .. J. G. McFarlane ..	61.6	70.1	53.1	577	13
2080	TAIHAPE .. A. R. Fannin ..	57.5	64.9	50.1	410	14
100	PALMERSTON NORTH .. J. A. Colquhoun ..	59.4	67.6	51.3	492	13
5	OROUA DOWNS .. R. A. Reid ..	59.0	68.7	49.3	421	10
119	CENTRAL DEVELOPMENT FARM, WERAROA .. J. E. Sharp ..	60.1	69.4	50.9	447	10
5	NAPIER .. Chas. L. Thomas ..	61.4	68.2	54.7	905	8
377	MASTERTON .. R. Brown ..	60.2	70.1	50.4	208	11
186	GREYTOWN .. W. Allan ..	59.5	69.3	49.7	298	10
10	WELLINGTON ..	62.3	68.4	56.3	273	8
87	SOUTH ISLAND. BRIGHTWATER .. Ven. Archdeacon Kempthorne ..	58.8	68.8	48.9	517	9
34	NELSON .. H. Harrison ..	60.3	68.5	52.1	592	12
1220	HANMER SPRINGS .. W. G. Morrison ..	56.2	67.4	45.1	421	8
25	CHRISTCHURCH .. H. F. Skey ..	57.8	66.4	49.2	76	9
42	LINCOLN .. M. J. Scott ..	60.6	71.6	49.6	68	5
1220	KISSELTON .. F. Freeman ..	56.9	68.9	45.0	659	8
130	TIMARU .. Caretaker of Domain ..	56.2	65.7	46.8	190	8
200	WAIMATE .. F. Akhurst ..	56.0	65.7	46.4	171	7
300	DUNEDIN .. D. Tannock ..	57.6	65.8	49.5	197	7
245	GORE .. A. T. Newman ..	53.9	65.8	42.0	211	13
12	HOKITIKA .. J. A. Chesney ..	58.7	66.3	51.1	2122	19
12	INVERCARGILL .. L. Lennie ..	54.3	64.2	44.4	296	17

SUMMARY FOR THE MONTH OF APRIL, 1924.

Owing to heavy rainfalls during the first and last weeks, the month's total was considerably in excess of the average generally, but below at most places along the east coast southward of Napier. North Canterbury reported the greatest percentage below the mean. The total at Christchurch—viz., 0.76 in.—was 60 per cent. below and in marked contrast to that at Ross, on the West Coast, where 29.52 in. were recorded, an amount exceeding an average year's fall at Christchurch.

The month opened with dull and misty weather, with the barometer reading about normal in all parts of the Dominion. Without change in this respect a deluge of rain fell in several parts of the North Island on the 3rd, and further heavy falls occurred between the 4th and 8th, while atmospheric pressure was at its highest. From the latter date until about the 25th the weather, though somewhat changeable in the West Coast districts, was mostly fair. Thereafter, until the close of the month, squally conditions ruled, particularly in and southward of Cook Strait, under the influence of an intense and extensive westerly disturbance.

Temperatures were mild for the season, and vegetable growth was, in consequence, generally abundant.

D. C. BATES, Director.