

Government Meteorological Observatory.

METEOROLOGICAL Observations at Kelburn, Wellington, for the Month of April, 1929. Observations taken at 9 a.m.

Altitude of Observatory, 415 ft.

Date.	Pressure, in Inches at Sea-level 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.			Maxi-mum.	Mini-mum.			Direction.	Force.					Run in 24 Hours.
		Dry.	Wet.	Humid-ity.											
1	30-368	52.2	47.3	67	54.8	47.7	45.0	111.3	SE	3	273	4	1.5	o	
2	30-226	52.1	49.0	78	51.4	47.2	45.8	120.8	SSE	6	284	12	4.4	o	
3	30-135	51.4	47.1	67	55.9	48.0	46.1	95.1	SSE	7	386	4	0.8	o	
4	30-230	53.0	52.4	96	54.4	49.1	47.0	102.9	SSE	5	365	2	0.6	op	
5	30-170	50.4	49.3	92	54.5	48.9	47.1	109.0	SSE	5	277	2	1.7	omrp	
6	30-144	51.8	48.9	80	54.7	49.0	45.9	112.8	SSE	4	227	..	1.9	om	
7	30-029	54.5	50.7	75	63.7	43.1	35.8	118.5	N	1	112	..	10.7	bw	
8	29-990	58.9	55.5	80	65.8	51.0	40.2	127.2	N	3	144	..	6.5	owz	
9	29-941	62.4	57.8	74	66.0	57.1	53.1	111.6	NW	5	244	1	0.8	o	
10	30-039	65.3	60.8	76	69.9	57.0	48.0	128.9	Calm	..	166	..	5.4	cz	
11	30-060	65.2	60.0	72	66.2	52.8	44.4	116.0	SE	1	50	15	2.7	bcz	
12	29-934	63.8	61.6	88	68.3	58.0	55.0	125.0	SSW	1	136	1	3.1	o	
13	29-795	60.6	60.2	98	69.6	56.0	54.0	117.5	Calm	..	52	39	5.6	of	
14	29-754	54.5	53.5	93	55.7	53.7	53.2	75.0	S	6	101	98	..	omr	
15	30-034	55.6	53.2	85	57.8	52.4	50.1	109.9	SE	1	316	..	2.4	oz	
16	30-129	54.3	52.1	86	55.4	47.2	42.0	73.4	SSE	1	88	30	..	o	
17	30-135	50.3	46.7	74	54.6	46.3	45.6	109.2	S	5	183	..	2.4	o	
18	30-047	54.6	51.0	76	59.7	40.5	32.0	116.0	NE	1	122	..	8.2	c	
19	30-059	53.3	50.2	79	58.8	50.2	48.0	110.2	S	4	237	4	7.5	o	
20	29-860	51.8	47.8	73	53.4	49.2	45.2	111.0	SSE	5	188	Trace	6.6	o	
21	29-786	49.5	47.5	85	53.3	48.5	46.1	106.9	S	5	259	4	2.8	oqp	
22	29-888	52.2	48.3	74	56.9	46.9	43.3	116.9	S	1	225	..	3.3	cz	
23	29-866	56.8	54.0	82	62.4	47.1	39.0	118.3	NE	1	62	..	6.5	c	
24	29-950	55.2	53.7	90	61.5	51.4	47.0	111.5	Calm	..	151	..	0.0	om	
25	29-899	61.6	56.3	70	63.9	51.8	42.8	115.2	Calm	..	57	Trace	2.0	bcw	
26	29-752	63.5	58.8	74	70.8	52.2	45.2	119.0	N	1	34	..	9.7	bf	
27	29-705	56.2	55.1	92	66.1	52.7	46.8	123.0	N	1	107	18	5.3	bc	
28	29-503	56.4	56.2	98	60.2	52.5	47.9	113.7	Calm	..	172	75	0.4	cfp	
29	29-126	58.1	57.0	93	61.0	51.9	50.4	90.3	NNE	1	137	368	0.3	omr	
30	29-394	46.9	44.0	78	56.9	43.9	42.2	105.3	SSW	5	230	..	7.4	c	
Means, &c.	29-932	55.7	52.9	82	60.1	50.1	45.8	110.7	..	2.6	180	677	110.5	..	

Mean earth temperature at 1 ft., 58.3°; and at 3 ft., 60.1°. Number of rain days, 16.

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.
..	12	5	4½	2½	..	6½	9½	1	..	1

NOTE.—A cloudy, cold, wet, and unsettled month. The rainfall was 78 per cent. above the mean of Karori Reservoir, near Kelburn. Total bright sunshine, 110.5 hours, 33 per cent. of the possible, and three sunless days. Fog was in evidence on the 10th, 12th, 13th, 26th, and 28th. Thunder was heard on the 13th and 28th, and lightning was seen on the 13th. Mean dew-point, 50.3°; and mean vapour pressure, 0.364 in.

SUMMARY FOR THE MONTH OF APRIL, 1929.

The general character of the weather experienced in April over the North Island and the northern and eastern districts of the South Island may be described as dull and moist, with, in most districts, an absence of strong winds. In Westland, Otago, and Southland, on the other hand, it was fine, clear, and pleasant for the greater part of the month.

The total rainfall was below the normal over the South Island except in the north-east portion, and deficiencies were recorded also in the central districts of the North Island. In Marlborough and Nelson provinces the falls considerably exceeded the average, as also was the case in the northern and eastern districts of the North Island.

Although temperatures were slightly below normal there were no extremes, and frosts were few and usually of only slight intensity. As a result, the growth of pasture was remarkable in all districts for the time of the year. The prospects of good supplies of feed in winter are, therefore, everywhere bright. Stock have kept in good condition, but the soft state of the grass, owing to excessive moisture, has prevented the fattening of sheep in some parts of the North Island, and in parts of Hawke's Bay has caused scouring and liver fluke amongst the hoggets.

A characteristic of the month has been the frequency with which cyclones have controlled the meteorological situation, and the almost total absence of the westerly type of pressure distribution. Two of the cyclones had noteworthy features, and may be briefly described:—

The first, which was the one which caused serious floods in Tasmania about the 5th, moved very slowly in a north-east direction across the Tasman, and by the 8th was centred between Norfolk Island and Cape Maria van Diemen, where it remained stationary for several days. On the 11th it had passed east of Cape Maria van Diemen, and then moved gradually