

Analyses of Soils.

(Results are percentages calculated on the soil dried at 100° Centigrade.)

Laboratory No.	Locality.	Description.	Volatile Matter.		Total Nitrogen.	Citric-acid Extract in Twenty Hours. (Dyer's Method, Hall's Modification.)			Hydrochloric-acid Extract. "Total" Plant-food.				Footnotes.
			At 100° C.	On Ignition.		Potash (K ₂ O).	Phosphoric Acid (P ₂ O ₅).	Colour of Extract on Ignition.	Time (CaO).	Magnesia (MgO).	Potash (K ₂ O).	Phosphoric Acid (P ₂ O ₅).	
I 189-1	Mokotua, Southland ..	Light yellowish-brown clay	13.63	17.07	0.230	0.013	0.009	..	0.26	0.43	0.14	0.10	(a)
I 189-2	" ..	Ditto	15.17	15.98	0.290	0.015	0.010	..	0.29	0.48	0.14	0.11	(b)
D 105-1	Collingwood, Nelson ..	Fine sandy loam	4.96	7.27	0.250	0.020	0.010	..	0.44	0.28	0.33	0.04	(c)
105-2	" ..	"	9.06	6.59	..	0.020	0.012	..	0.62	0.36	0.33	0.05	(d)
105-3	" ..	Coarse sandy loam	6.95	7.17	..	0.036	0.007	..	0.49	0.27	0.23	0.04	(e)
105-4	" ..	"	6.06	6.88	..	0.019	0.012	..	0.58	0.35	0.25	0.05	(f)
1020	Kohatu, Nelson ..	Fairly friable grey soil	2.68	6.41	0.140	0.017	0.041	..	0.83	4.02	0.18	0.10	(g)
1210	Coonoor, Pahiatua ..	Brown clay soil	9.56	13.91	0.370	0.030	0.027	Brown	0.57	0.71	0.43	0.17	(h)
1233-1	Blueskin, Otago ..	Quartz sand	2.66	11.44	0.294	0.025	0.005	..	0.25	0.19	0.13	0.06	(i)
1233-2	" ..	Yellow sandy soil	1.78	1.37	0.031	0.064	0.042	..	0.37	0.30	0.13	0.08	(j)
1233-3	" ..	Grey sandy soil	3.18	2.58	0.037	0.110	0.048	..	1.12	0.73	0.26	0.14	(k)
1233-4	" ..	Light-brown sandy soil	2.64	2.41	0.052	0.123	0.029	..	0.28	0.25	0.32	0.12	(l)
E 57-1	Mendip Hills, Cheviot, Canterbury	Light-brown fine sandy clay soil	21.18	8.14	0.252	0.005	0.007	..	0.41	0.28	0.26	0.08	(m)
107-1	Pakahi lands, Hokitika, Westland	..	1.77	8.93	0.229	0.018	0.002	..	0.06	0.05	0.06	0.01	(n)
107-2	Ditto	6.10	8.44	0.185	0.011	Trace	..	0.05	0.05	0.05	0.01	(o)
107-3	"	33.64	22.15	0.551	0.018	Trace	..	0.08	0.06	0.10	0.01	(p)
582	Burwood, Canterbury ..	Brown fairly friable soil	2.93	9.46	0.312	0.027	0.027	Light brown ..	0.89	0.60	0.42	0.16	(q)
708-1	Kapuka, Southland ..	Brown fairly friable loam	24.12	11.04	0.300	0.017	0.010	Light brownish-grey	1.17	0.73	0.23	0.09	(r)
708-2	" ..	Ditto	27.74	12.05	0.340	0.021	0.010	Light brown ..	1.03	0.51	0.19	0.10	(s)
708-3	" ..	"	26.59	11.91	0.320	0.018	0.017	Reddish brown	1.20	0.59	0.21	0.09	(t)
708-4	" ..	"	25.01	10.80	0.280	0.017	0.009	Light brownish-grey	1.17	0.62	0.22	0.07	(u)