

## REPORT OF THE NATURAL SCIENCE DEPARTMENT, FIRST TERM, 1891—continued.

No.	Name.	Source.	Germinating Power per Cent.	Impurities per Cent., and Remarks.	Total Impurities per Cent.
95	Mixed grass ..	Christchurch	..	Contains rye-grass, 61; tall fescue, 14; meadow-fescue, 4; Italian rye-grass, 8; lesser clover, 11; white-clover, 1; sorrel, 1; dock, sow-thistle, and hard fescue, 1; and frequent soft broome or goose-grass	2
96	Lawn-grass ..	"	..	Consists of meadow-grasses ( <i>Poa</i> sp.), 44; rye-grass, 21; white-clover, 11; crested dog's-tail, 10; sheep's fescue, 9; hard fescue, 6.	
97	White-clover ..	Oamaru	..	Lesser clover, 5; sorrel, 1; with occasional plantain, chickweeds, shepherd's purse, cleavers, timothy, ragged robin, and quartz particles	6
98	" ..	"	79	<i>Trifolium</i> sp. 2; sorrel, 1½; red-clover, ½	4
99	" ..	"	79	Sorrel, 2; plantain, ½; and occasional <i>trifolium</i> sp., as in No. 98	2½
100	Colonial red-clover ..	College farm..	90	Occasional alsike, white-clover, rye-grass, and plantain.	
101	Rye-grass ..	"	..	Goose-grass, 2; Yorkshire fog, 1; and occasional mouse-ear chickweed, sterile broomgrass, ox-eye daisy, and shepherd's purse	3
102	Cocksfoot ..	Akaroa	74	Yorkshire fog, 1; and occasional goose-grass, cat's-ear and ox-eye daisy	1
103	Colonial red-clover ..	Doyleston	..	Some alsike, white-clover, and rye-grass.	
104	Colonial clover ..	Chertsey	..	Consists of <i>Trifolium minus</i> , 88; white-clover, 7; sorrel, 2; mouse-ear chickweed, 2; Yorkshire fog, 1; and occasional twitch ( <i>Poa pratensis</i> ), chickweed ( <i>Stellaria</i> ), and red-clover	5
105	De graine de dactyle	Christchurch	..	Consists of cocksfoot ( <i>Dactylis</i> ), 84; oat-grass ( <i>Trisetum</i> ), 8; meadow-fescue, 6; small <i>Poa</i> , 1; undetermined, 1; and occasional cleavers, <i>Bromus</i> , &c.	16
106	Japan clover ..	Masterton	73	Pure.	
107	Bokhara clover ..	"	68	Occasional plantain, red-clover, dock, and black-medick.	
108	American cow-grass ..	"	90	Occasional timothy.	
109	Alsike ..	"	62	Occasional sorrel, plantain, timothy, &c.	
110	" ..	"	56	Similar to No. 109, with addition of odd ox-eye daisy and chickweed ( <i>Stellaria</i> ).	
111	Timothy ..	"	99	Pure.	
112	Rib-grass ..	"	81	Occasional undetermined composite plant.	
113	White-clover ..	"	92	Sorrel, 2; and occasional plantain and chickweed	2
114	" ..	"	76	Plantain, 2; and occasional sorrel, chickweed, and hedge-mustard	2
115	<i>Poa trivialis</i> ..	"	20	Occasional impurities.	
116	<i>Poa pratensis</i> ..	"	2	Pure.	
117	<i>Poa nemoralis</i> ..	"	4	Occasional hard fescue and chickweed.	
118	Meadow-fescue ..	"	90	A few odd seeds of <i>Bromus secalinus</i> , dock, and red-clover.	
119	Sheep's fescue ..	"	57	Misnamed for hard fescue; contains a few odd sorrel-seeds.	
120	Hard fescue ..	"	56	Pure.	
121	Fiorin ..	"	53	A few odd seeds of timothy and white-clover.	
122	Hungarian forage-grass ..	"	85	Pure.	
123	Meadow-foxtail ..	"	10	Rather frequent dock, hair-grass ( <i>Aira</i> ), fiorin, sweet vernal, &c.	
124	Crested dog's-tail ..	"	64	Too frequent ox-eye daisy, and Yorkshire fog, and occasional rye-grass, fiorin, timothy, and undetermined (dusty).	
125	" ..	"	66	Frequent ox-eye daisy and Yorkshire fog, and cat's-ear ( <i>Hypochaeris</i> ), with odd black-madick, sweet vernal, and rye-grass.	
126	White mustard ..	"	98	Pure.	
127	Lucerne ..	"	91	Odd red-clover and plantain.	
128	White-stone turnip ..	"	91	Pure.	
129	Late red <i>Trifolium</i> ..	"	99	"	
130	Sheep's parsley ..	"	29	"	
131	Grass ..	Waimate	..	Is reed canary-grass ( <i>Phalaris arundinacea</i> ).	
132	Local-grown meadow-fescue	Masterton	..	Consists of sorrel, 50; <i>Trifolium minus</i> , 20; meadow-fescue, 16; mouse-ear chickweed, 5; cocksfoot, 2; goose-grass, 2; white-clover, 2; hair-grass, 1; buttercup, 1; dock, 1; and occasional rye-grass and Yorkshire fog, sedge, geranium, thistle, ( <i>Sonchus</i> ), <i>Poa pratensis</i> , sweet vernal, &c.	84
133	Plant ..	Lincoln	..	Is garden orache ( <i>Atriplex hortensis</i> ).	
134	Thistle ..	Little River	..	Is star-thistle ( <i>Centaurea calcitrapa</i> ).	
135	Grass ..	McKenzie Cnty.	..	Is <i>Poa colensoi</i> .	
136	" ..	"	..	Is <i>Danthonia pauciflora</i> .	
137	" ..	"	..	Is <i>Poa foliosa</i> .	
138	Sedge ..	"	..	Is <i>Carex colensoi</i> .	
139	Grass ..	Le Bon's Bay	..	Is tall fescue ( <i>F. elatior</i> ).	
140	Devonshire grey-stone turnip	College farm ..	95		
141	Purple-top ..	"	91		
142	Green-globe ..	"	93		
143	Grass ..	Timaru	..	Is erect bristle-grass ( <i>Setaria viridis</i> ).	
144	" ..	"	..	Is naked oat-grass ( <i>Danthonia nuda</i> ).	
145	Red-clover ..	College farm ..	6		
146	" ..	"	39		