			Analysis.		
Organic matter and	moisture			40.70,	containing nitrogen, 3.01.
Silica and insoluble matter				4.30	5 ,
Tricalcic phosphate			•••	20.05	
Iron and alumina o	Iron and alumina oxides			4.15	
Calcic carbonate	• • •			26.92	
Alkalies, &c.				3.88	
				100.00	

Value, about £3 7s. 6d. per ton.

APPENDIX No. 2.

REPORT OF THE NATURAL SCIENCE DEPARTMENT, FIRST TERM, 1891.

The examination and identification of seeds, plants, &c., received from the public has been carried on, and the results, since the last report, may be tabulated as follows:—

Grass-seed College farm Some	rye-grass, 11½; dog's- ll fescue and Poa, 1 ny and plantain or rib- over, sorrel, plantain, c B. foliosa). Intain, timothy, white- s of two sorts. Intail undetermined	16 3
Tail, 2; Bromus sp., 1½; small spring spri	ll fescue and Pos, 1 hy and plantain or rib- over, sorrel, plantain, c. B. foliosa). Intain, timothy, white- s of two sorts. Intal undetermined	3
White-clover Gore Sorrel, 3; and occasional timot grass A few odd seeds of white-clother timothy, &c.	ny and plantain or ribover, sorrel, plantain, E. B. foliosa). Intain, timothy, white- s of two sorts. Intal undetermined	4
A few odd seeds of white-of-timothy, &c. Sa tussac-grass (Poa anceps, va Occasional undetermined. Occasional undetermined. Occasional plantain.	ntain, timothy, whites of two sorts.	
Grass-seed Gra	ntain, timothy, white- s of two sorts.	1 1
Lucerne	of two sorts.	
Pure	of two sorts.	
Crested dog's-tail	of two sorts.	
Italian rye-grass Cow-grass Christchurch S4 Occasional seeds of sorrel, place Clover, and undetermined Contains about equal proportion Is meadow-fescue. Is Italian rye-grass Cower, and undetermined Contains about equal proportion Is meadow-fescue. Is Italian rye-grass Sorrel, 3; alsike, 1; and occasion Similar to above, with occasional Pure. Cocasional white-clover. Hedge-mustard, 1; undetermined Comparison Cocasional white-clover. Hedge-mustard, 1; undetermined Comparison Cocasional plantain. Pure. Cocasional plantain. Pure. Cocasional timothy, hedge-mustard Pure. Cocasional timothy, hedge-mustard Comparison Cocasional plantain. Pure. Cocasional timothy, hedge-mustard Pure. Cocasional timothy, hedge-mustard Comparison Cocasional plantain. Pure. Cocasional timothy, hedge-mustard Pure. Cocasional timothy, hedge-mustard Cocasional timothy, hedge-mustard Pure. Cocasional timothy, hedge-mustard Comparison Cocasional timothy, hedge-mustard Pure. Cocasional timothy, hedge-mustard Pure. Cocasional timothy, hedge-mustard Cocasiona	of two sorts.	
Cow-grass Christchurch S4 Occasional seeds of sorrel, place clover, and undetermined. Contains about equal proportion Is meadow-fescue. Is Italian rye-grass. Is Italian rye-grass. Sorrel, 3; alsike, 1; and occasion Pure. Occasional white-clover. Hedge-mustard, 1; undetermin black-medick Occasional plantain. Pure. Occasional plantain. Pure. Occasional timothy, hedge-mustard, 1; undetermin Sorrel, 3; alsike, 1; and occasional Pure. Occasional white-clover. Hedge-mustard, 1; undetermin black-medick Occasional plantain. Pure. Occasional timothy, hedge-mustard, 1; undetermin Sorrel, plantain, 1 Occasional timothy, hedge-mustard, 1; undetermin Sorrel, plantain, chickweed, plant)	of two sorts.	
Clover, and undetermined. Contains about equal proportion Is meadow-fescue. Is Italian rye-grass. Is Italian rye-grass. Sorrel, 3; alsike, 1; and occasional Pure. Occasional white-clover. Hedge-mustard, 1; undetermined Dural Dural Occasional plantain. Pure. Occasional plantain. Occasional plantain. Pure. Occasional plantain. Occasional plantain. Pure. Occasional plantain. Occasional plantain. Occasional plantain. Pure. Occasional plantain. Occasional plantain.	of two sorts.	
Mixed turnip Grass Greymouth Contains about equal proportion Is meadow-fescue Is Italian rye-grass Sorrel, 3; alsike, 1; and occasiona Similar to above, with occasiona Pure Occasional white-clover Hedge-mustard, 1; undetermin black-medick Occasional plantain. Pure Occasional plantain. Pure Occasional timothy, hedge-mustard, 1 Occasional timothy, hedge-mustard, 1 Occasional timothy, hedge-mustard, 1 Occasional timothy, h	al undetermined	
Grass	al undetermined	
Masterton Sorrel, 3; alsike, 1; and occasion		
White-clover		
American red-clover		1
65 American red-clover " 90 Pure. 66 Alsike " 71 Occasional white-clover. 67 " 67 Hedge-mustard, 1; undetermin black-medick 68 English cow-grass " 78 Occasional plantain. 69 " 83 Pure. 70 American cow-grass " 91 Occasional timothy, hedge-mustard, 12 Japan clover 52 Apparently same as No. 70. 72 Japan clover 52 Apparently same as No. 70. 73 Trefoil " 90 A caryophyllaceous seed 4 Acaryophyllaceous seed 4 Red-clover, 1; plantain, 1 8 Misnamed for hard fescue; or spica-venti. 74 Lucerne " 48 Misnamed for hard fescue; or spica-venti. 75 Sheep's fescue " 47 Pure. 76 Hard fescue " 47 Pure. 77 Crested dog's-tail " 6 Yorkshire fog		_ <u></u>
66 Alsike	l	
Black-medick Cocasional plantain. Pure. Occasional timothy, hedge-mustration Pure. Apparently same as No. 70. Apparently same as No. 70. A grass (Trisetum sp.) and undet A caryophyllaceous seed Pare Pure. Pure.		ļ
68 English cow-grass " 78 Occasional plantain. 69	ed, 1; and occasional	2
Timothy American cow-grass		
71 72 73 74 75 76 76 77 77 78 79 79 70 70 70 70 71 70 70 70 71 71 72 73 74 75 75 76 76 77 78 79 79 70 70 70 71 70 71 71 72 73 74 75 75 76 77 78 79 79 70 70 70 71 70 71 71 72 72 73 74 75 75 76 77 78 79 79 70 70 70 71 71 72 72 73 74 75 75 76 77 78 79 79 70 70 70 70 70 70 70 70 70 70 70 70 70		
Tapan clover	rd, and sorrel.	
Trefoil		
Timothy Timo		$\begin{array}{ c c c c }\hline 5 \\ 2 \end{array}$
Sheep's fescue		2
Hard fescue	aggional Anamagrastic	_ 4
76 Hard fescue	casional 21 nemagrossis	
77 78 79 80 Timothy		
78 79 80 " Timothy" " " " " " " " " " " " " " " " " "		8
79 Timothy " 95 Pure. 80 " " 81 Undetermined, 3; white-clover, sorrel, plantain, chickweed, plant)		7
sorrel, plantain, chickweed, plant)		
plant)	1; various, 3 (chiefly	7
	and sp. of composite	
81 Meadow Ioxtail 12 Uccasional wavy mountain hair-		
· · · · · · · · · · · · · · · · · · ·		
82 Poa trivialis , 7 A small percentage of P. prateri		
$egin{array}{cccccccccccccccccccccccccccccccccccc$	560.	
Or History		
	sa 94 · meadow-fescue	12
Sheep's fescue, var. 57; rye-gra 11; dog's-tail, 6; foxtail, 1; s sional sorrel and plantain		**
87 White stubble turnip , 98 Pure, but variety not vouched fo		
88 Plantain	2	19
89 Meadow-fescue Christchurch 80 Rye-grass		20
10 Pine		
91 Colonial red-clover Waimate 47 Dock, 2; occasional rye-grass (wi	h ergot), Scotch thistle,	2
92 Devonshire evergreen Christchurch Rye-grass, 49; cocksfoot, 49; cocksfoot, 49; cocksfoot, 49;		51
thistle, and lesser clover		,
93 Seed Masterton Is black-medick (Medicago lupul	e grass, dock, plantain,	
94 Plant Ohaiawai Is buttercup (Ranunculus rivula	e grass, dock, plantain, na).	