

The vitality of the samples as shown in the above table was quite satisfactory, over one-third of them germinated 95 per cent or over. The chief cause for low vitality and vital energy was immature seed.

Seed of Timothy, Alsike, and White Clover were present in most of the samples. Sample No. 2 which was supplied direct from a prominent Toronto seed house is the only one that was absolutely free from weed seeds. Thirty one out of the thirty-five, contained seeds of Green Foxtail. Twenty-two samples contained varying quantities of White Cockle seed. Ribgrass or Chinese Plantain, Curled Dock, Sheep Sorrel, Canada Thistle, Lamb's quarters and Lady's-thumb also occurred very frequently. Fifty per cent of the samples contained twelve or more species of weed seeds.

QUÉBEC.

RED CLOVER.

Sample Number	Where obtained.	Market price per Bushel.	Weight of pure and Germinable Seed in 100 Pounds.	PER CENT GERMINATION.		Actual Cost of Pure Living Seed per Bushel.	Number of Weed Seeds per Pound
				In Three Days.	In Ten Days.		
		\$ cts.	Lbs.			\$ cts.	
1	Manville	7 10	89	88	93	7 97	0,660
2	Trois-Rivières	6 90	98	88	95	7 04	585
3	Yamaska	8 10	94	96	99	8 93	8,910
4	Trois-Rivières	9 00	95	96	98	9 47	315
5	"	7 20	91	47	64	11 89	1,845
6	"	6 30	95	91	95	6 77	765
7	Ste. Martine	7 80	92	92	95	7 47	1,635
8	"	7 20	89	92	96	8 08	11,250
9	"	7 80	95	95	98	8 21	315
10	"	7 20	93	92	95	8 38	1,635
11	"	7 20	85	82	92	8 47	8,190
12	"	7 80	92	91	96	8 82	1,230
13	Leamsville	7 80	97	98	99	7 95	990
14	Ste. Martine	7 80	91	92	94	8 57	13,500
15	Yamaska	7 80	84	86	90	9 28	8,910
16	"	6 45	70	81	86	8 21	10,905
17	"	7 20	93	93	98	7 74	9,000
18	"	7 20	83	89	93	8 67	23,310
19	Danville	9 00	94	93	96	9 57	4,770
20	St. Jacques	7 80	93	97	98	8 38	585
21	Hull	7 50	75	10	70	12 93	12,790
22	St. Jacques	7 20	94	92	95	7 65	1,980
23	Hocville	8 10	79	92	94	10 63	16,935
24	St. John's	6 60	85	88	93	7 76	10,350
25	St. Jacques	7 05	91	93	94	7 74	8,145
26	St. Casimir	6 90	93	90	94	7 41	690
27	Yamachiche	7 50	96	94	97	7 81	1,530
28	Quebec	6 90	91	95	97	7 58	
29	St. François de Beauce	6 00	84	91	93	6 98	9,945
30	Yamaska	7 80	95	94	97	8 21	2,610
31	St. François	6 90	79		87	8 73	12,780
32	"	7 50	94	96	96	7 97	135
33	La Moynville	7 20	87	89	91	8 25	5,040
34	"	7 20	87	89	92	8 47	16,780
35	Wooden Station		92	89	93		2,250
36	"	7 45	87	89	93	8 56	10,395
37	"	7 20	86		94	8 37	18,270
38	"	5 70	83		92	6 85	16,905
39	"	6 00	86		90	7 50	21,090
40	Yamaska	8 10	91		95	9 23	9,135
41	Ste. Scholastique	7 35	99		99	7 42	135
42	Belle Rivière	8 10	93	94	95	9 03	2,115
43	"	7 80	92	93	95	8 47	4,905
44	Yamaska	6 90	97	95	97	7 11	180