

In comparison with the samples obtained from other provinces, the quality of Timothy offered by seed dealers in the province of Quebec may be considered fair. The nature of the impurities on the whole were not very different from the Ontario samples, except in a few cases of local grown seed. Out of the fifty-six samples of Timothy received from Quebec, only one contained seed of False Flax, whereas Ox eye Daisy and Chicory, which were not present in any of the Ontario samples, were quite frequent impurities in the Quebec seed. Only one sample had been obtained from a wholesale firm west of Montreal; most of the samples was reported to have been obtained from Montreal wholesale firms.

Samples No. 18 and 39 were very low in vitality, but practically all the seeds which were vital germinated during the first five days. This is an evidence that a small proportion of good fresh seed had been mixed with old and dead seed. Samples Nos. 4, 33, 47, 52 and 54 were low in both vitality and vital energy. They were evidently taken from old seed.

NEW BRUNSWICK.

TIMOTHY.

Sample Number.	Where obtained.	Market price per Bushel.	Weight of pure and Germinable seed per 100 Pounds.	PER CENT GERMINATION.		Actual Cost of Pure Living Seed per Bushel.	Number of Weed Seeds per Pound.
				In Five Days.	In Fourteen Days.		
		\$ cts.	Lbs.			\$ cts.	
1	Fredericton	3 00	81	83	90	3 70	14,220
2	"	3 75	94 8	94	96	3 95	
3	"	4 50	97 5	87	98	4 61	180
4	Bathurst	4 80	92 1	91	95	5 21	1,980
5	"	4 80	97 4	78	98	4 92	
6	Elm Tree	3 35	92 1	90	96	4 18	3,780
7	Middle Southampton	4 00	98 9	98	99	4 04	
8	Woodstock	4 00	88 7	84	90	4 50	720
9	St. Stephen	4 25	95 9	95	96	4 43	180
10	Sussex	4 75	75 8	72	76	6 26	450
11	"	4 10	82 6	84	85	4 96	3,330
12	"	4 50	96 2	89	97	4 67	270
13	"	4 10	91 8	86	93	4 46	5,400
14	Perth Centre	4 00	86 8	88	96	4 60	1,116
15	"	4 00	97 9	97	99	4 08	90
16	Woodstock	4 50	88 4	85	91	5 09	720
17	"	4 25	97 6	98	98	4 35	900
18	"	4 25	98 6	98	99	4 31	540
19	"	4 70	87 9	79	88	5 11	6,010
20	Andover	4 40	96 7	97	98	4 55	630
21	"	3 25	89	92	95	3 65	30,510
22	"	4 90	97 2	97	98	5 04	630
23	Bathurst Village	4 32	87 2	82	89	4 95	810
24	"	5 75	98 4	97	99	5 85	270

About sixty per cent of the samples received from the province of New Brunswick were reported to have been taken from seed that had been obtained by the local dealers from Toronto seed houses. A number had been obtained from Montreal and a few from the United States. Out of the twenty-four samples analyzed, eight had over 1,000 weed seeds per pound. Sample No. 21 contained no less than eleven different species of weed seeds, and sample No. 1 thirteen. Both of these samples had been obtained from a prominent seed firm, and there is no reason why the greater part of these impurities could not have been taken out by the use of the machinery which is in the possession of that seed firm.