

bushel less than that of a No. 1 article. Many tenant farmers buy the lower grades of seed, thinking that, so far as their interest is concerned, there is better value in the low priced article, whereas, independent of the noxious weed pests, they may be getting not more than 60 per cent of pure living seed for which they are usually charged 90 per cent of the cost of the best quality of seed.

The seed of Curled Dock, Canada Thistle, White Cockle and Ribgrass is very similar in size to that of Red Clover and it is practically impossible to remove them after the crop has been cut. Many of the seeds, however, which are common to Red Clover could be taken out by thoroughly cleaning with an ordinary fanning mill well equipped with screens.

Only a few samples showed a germination of less than 50 per cent, and those contained a large proportion of immature seeds. Most of the samples analyzed proved to have a high degree of vital energy as is indicated by the percentage germination during the first three days. This is a very important factor because if the germination be slow under conditions which are most favourable such as was secured in the Standard Seed Germinator, the probability is that under less favourable conditions when sown in the soil much of the seed would be useless.

ONTARIO.

RED CLOVER.

Sample Number	Where obtained	Market price per Bushel	Weight of pure and Germinal Seed per 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.		
		S. Cts.	Lbs.			S. Cts.	
1 Ottawa		7 20	75	64	78	9 60	1,410
2 Toronto		6 60	95	93	96	6 94	
3 St. Catharines		5 50	92	94	94	5 97	7,245
4		5 50	96	94	97	5 72	182
5 Brantford		5 75	95	94	96	6 05	585
6		5 25	72	86	94	7 20	13,005
7		5 50	84	83	92	6 54	9,180
8		6 00	81	82	88	7 14	10,440
9 Barrie		7 20	90	86	93	8 00	
10 Ottawa		7 20	93	84	95	7 74	1,470
11		7 80	89	83	94	8 76	2,430
12		9 00	62	66	74	15 47	10,430
13		7 80	86	84	90	9 06	20,565
14 Hamilton		5 50	91	92	93	5 85	675
15		5 70	86	87	91	6 39	5,715
16 Pembroke		8 40	88	94	93	9 54	7,029
17 Galt		5 90	85	83	90	6 94	5,985
18		5 75	94	88	96	6 44	1,440
19 Pembroke		7 20	85	84	93	8 17	9,360
20 Kempsville		6 60	73	83	87	9 04	10,350
21 Ottawa		6 60	89	93	93	7 41	4,230
22 Pembroke		6 60	94	94	97	7 25	10,080
23 Toronto		5 30	91	95	97	5 82	8,910
24 Pembroke		7 80	92	92	96	8 47	2,475
25		7 80	93	88	95	8 38	1,505
26 Barrow		7 20	67	82	87	10 74	36,990
27		7 20	87	92	93	8 27	13,195
28		6 60	81	87	87	8 14	7,110
29 Carleton Place		7 20	80	82	87	9 00	3,240
30		7 50	93	92	96	8 06	1,635
31		7 65	94	92	95	8 13	900
32		7 20	80	88	91	9 00	19,915
33 Cuntown		7 20	93	91	94	7 74	5,180
34 Malorytown		7 20	90	91	94	8 00	7,470
35 Powassan		7 50	91	88	92	8 24	9,720