

The seeds were tested in the laboratory of the Seed Division at Ottawa, and the percentages of germination were taken as a basis of comparison for the various seeds. All plants designated by the letter A in each of the lots had their top leaves removed at the time of lopping (this operation consisting in the removal of secondary twigs and badly formed capsules); the plants designated by the letter B were stripped of all their leaves eight days after the harvest; those designated by the letter C were stripped of their lower leaves only, eight days after the harvest (one doubled almost the effect of the priming, the lower part of the stalk being denuded of leaves for a height of eight or nine inches above the ground).

The germination test shows the results obtained at the end of six days and again at the end of fourteen days in the special germinator; also the results obtained twenty-one days after seeding in garden mould, kept slightly moist and maintained, under small plates of glass, at the temperature of the laboratory, 75 degrees Fahr. or thereabout.

These results are shown in Table I.—

TABLE I.

No.	Designation of the seeds	Germinator		Artificial soil
		6 days	14 days	21 days
		p. c.	p. c.	p. c.
661	X-A	39	53	72
662	X-B	22	37	66
663	X-C	13	24	64
664	XX-A-M	70	83	84
665	XX-A- $\frac{1}{2}$ M.	78	89	73
666	XX-B-M	21	31	83
667	XX-B- $\frac{1}{2}$ M.	60	66	79
668	XX-C- $\frac{1}{2}$ M.	22	35	81
669	XX-C-M	2	4	85
670	XXX-A-M	61	78	84
671	XXX-A- $\frac{1}{2}$ M.	46	76	84
672	XXX-B-M	56	68	78
673	XXX-B- $\frac{1}{2}$ M.	18	33	83
674	XXX-C-M	2	13	70
675	XXX-C- $\frac{1}{2}$ M.	60	79	80
683	Comstock No. 1, 20th August	66	74	65
684	" 24th "	83	90	83
685	" 28th "	82	92	89
686	" 1st September	67	76	71
687	" 5th "	36	53	73
688	" 9th "	7	16	45
689	Comstock No. 2, 1st "	60	75	69
690	" 5th "	15	26	25
691	" 9th "	7	20	24

Explanation of signs and letters:

X—Entirely under bags. B—All leaves removed.
 XX—In the open air. C—Lower leaves only removed.
 XXX—Fertilized under bags, ripened in the open air. M—Ripe.
 A—Top leaves removed. $\frac{1}{2}$ M—Half ripe.