

signed for this work and such that the degree of heat, and supply of air and moisture are under the control of the operator. After twenty-four hours the number of seeds that have germinated in each sample is determined and recorded. This is repeated each day while the test lasts. The times are, for clover, ten days; and, for timothy fourteen days. Each test is conducted in duplicate, under identical conditions, and when the duplicates vary more than 6 per cent. they are discarded and a fresh test made. This plan could be used in a modified form by any farmer.

HINTS TO BUYERS AND GROWERS

The following suggestions from the bulletin will be found of value to farmers if given some thought and attention:

Too many local dealers dabbling in the seed trade, are incompetent to safeguard their customers from the dangers connected therewith. Under the present conditions it is advisable to purchase seeds direct from seed firms that are known to be reliable.

Many of the most noxious weed seeds cannot be separated from grass and clover seeds by mechanical processes, therefore it is highly important that seed growers should thoroughly clean their fields of weeds before the crop is harvested.

As long as Canadian farmers are content to use cheap, low grades of seed, without having any definite knowledge of their real worth, so long will the best quality of our home grown seeds be exported to countries where the seed trade is conducted on a more businesslike basis.

It is not unreasonable to ask seedsmen to test their seeds, to grade them as to quality, and sell them accordingly; and it is not too much to require seed merchants to furnish a statement showing the percentage of purity and vitality of the grass and clover seeds they sell, instead of a non-warranty declaration.

The sale of seed containing seeds of such weeds as Bindweed or Wild Morning Glory, Wild Oats, Charlock or Wild Mustard, Field Pennycress or Stinkweed, and Perennial Sow-Thistle should be restricted or prohibited.

It is desirable that uniform methods for grading grass and clover seeds according to fixed standards of purity and vitality be adopted for Canada. Any seed containing noxious impurities should not be represented or sold as a No. 1 grade.

Live Stock and Grain Judging

A short course in live stock and grain judging for Farmers' Institute workers and expert judges will be given at the Ontario Agricultural College, Guelph, during the two weeks beginning March 17th. Experienced breeders and authorities on live stock judging will be present to assist the members of the college staff in conducting the work.

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