

OFFICE CONSOLIDATION

# THE SEEDS ACT, 1937

## AND REGULATIONS

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ADMINISTERED BY

DOMINION DEPARTMENT OF AGRICULTURE  
PRODUCTION SERVICES—PLANT PRODUCTS

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ACTS, ORDERS and REGULATIONS No. 24  
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# I GEORGE VI.

## CHAP. 40.

### An Act respecting the Testing, Inspection and Sale of Seeds.

[Assented to 10 April, 1937.]

His Majesty, by and with the advice and consent of the Senate and House of Commons of Canada, enacts as follows:—

#### SHORT TITLE.

**1.** This Act may be cited as *The Seeds Act*, short title. 1937.

#### INTERPRETATION

**2.** In this Act and in any regulations made hereunder, unless the context otherwise requires, Definitions.

- (a) “brand” means the trade name or “Brand” mark applied to seed by the producer, wholesaler or retailer thereof;
- (b) “container” includes every package, “Container,” sack, bag, barrel, car, truck, bin, case or other receptacle;
- (c) “control sample” means a seed sample drawn from a seed lot by or on behalf of the grower or owner, on his own responsibility, and forwarded to a Seed Branch district office for testing; “Control sample.”
- (d) “control sample certificate” means a “Control sample certificate” that is issued on a control sample of seed;

"Crop registration certificate."

"Elite stock seed."

"Inspector."

"Inspector's sample."

"Minister."

"Official analyst."

"Official sample."

"Official sample certificate."

"Registration control number."

"Regulation."

"Sealed container."

- (e) "crop registration certificate" means a certificate issued for a seed crop by the Canadian Seed Growers' Association, based on records and reports of crop inspections made in accordance with standards and regulations established by the Association;
- (f) "Elite stock seed" means selected seed or plants produced by plant breeders the product of which may be eligible to produce registered seed;
- (g) "inspector" means any officer designated by the Minister to carry out the provisions of this Act;
- (h) "inspector's sample" means a seed sample officially drawn by an inspector, or under his direction, from a seed lot to be examined, graded and sealed;
- (i) "Minister" means the Minister of Agriculture;
- (j) "official analyst" means any seed analyst or plant specialist designated as official analyst under the provisions of this Act;
- (k) "official sample" means a seed sample officially drawn by an inspector and forwarded to a Seed Branch district office to check a suspected violation of this Act;
- (l) "official sample certificate" means a certificate that is issued on an official sample of seed;
- (m) "registration control number" means a number issued for seed represented as to quality and grade by a type sample and also in the case of lawn and turf grass seed mixtures, by a stated formula;
- (n) "regulation" means any regulation made under the provisions of this Act;
- (o) "sealed container" means any container so closed as to prevent its being opened without discovery;

- (p) "seed crop certificate" means a certificate issued by an inspector for a seed crop, based on standards and regulations established by the Minister; "Seed crop certificate."
- (q) "seed inspection certificate" means a certificate issued by an inspector on seed sampled, examined, graded and sealed by him or under his direction. "Seed inspection certificate."

3. The Minister may appoint an advisory board which may at his request prepare and recommend to him such regulations as it is of opinion should be established under this Act, and may make regulations not inconsistent with the provisions of this Act prescribing Regulations.

- (a) the minimum quality for seeds that may be sold under the grade names prescribed under the provisions of this Act, the minimum percentage of purity of variety for seeds that may be sold in accordance with the provisions of paragraph (d) of section five and paragraph (b) of section six of this Act; the kinds of seeds to which sections five and six shall apply, and to modify such minimum quality for any period of time or territory;
- (b) the conditions under which brand names and registration control numbers for seeds may be used;
- (c) the species of plants the seeds of which may be deemed to be prohibited noxious, primary noxious, or secondary noxious weed seeds, and also other plants the seeds of which may be deemed to be other weeds within the meaning of this Act;
- (d) the names of the varieties to be included in a list of established variety names and the methods to be followed in making propagating tests or an examination of seeds or plants to determine the variety, and whether falsely represented, or of a new or

inferior variety within the meaning of this Act;

- (e) the form of statement, language, whether English or French, and size of the printing of the brand or mark to be on the container of seeds or plants or on a tag or label attached thereto;
- (f) the geographical areas which for the purpose of this Act shall be designated to indicate origin of production for those kinds of seeds prescribed by regulation;
- (g) the minimum percentage of germination for each kind of seed, below which such seeds when sold, advertised, offered or had in possession for sale shall be branded or marked as required by the provisions of this Act;
- (h) the procedure to be followed and the implements and materials to be used in the grading and inspection of seed, in the inspection of seed crops, and in the methods for testing and analysing seed;
- (i) whatever may be considered necessary to restrict or prohibit the importation into Canada of any seeds or plants to which this Act applies and which may within the meaning of this Act, be deemed to be not suitable for seeding or planting;
- (j) whatever else may be deemed necessary to secure the efficient enforcement of this Act.

#### GENERAL

##### Appoint- ments.

- 4. There may be appointed in the manner authorized by law such inspectors and official analysts as are necessary for the purpose of this Act.

5. Seeds of cereals, forage crops, lawn or turf grasses, or other kinds of seed, or bulbs or sets of garden vegetables, that may be prescribed by regulation, shall not be advertised, offered, sold or had in possession for sale for the purpose of seeding in Canada nor shall any shipment be billed as seed unless each container thereof or a tag or label durably attached thereto is marked on one side in such form and manner as may be prescribed by regulation, with the following information only:—

- (a) the name and address of the seller;
- (b) the name of the kind or kinds;
- (c) the brand name or mark if any;
- (d) the name of the variety, when known;
- (e) the name of the grade of seed, or bulb or set, which shall be one of the following:
  - (i) for seed derived from an inspected seed crop for which a crop registration certificate has been issued, Registered No. 1, Registered No. 2, Registered No. 3;
  - (ii) for seed derived from an inspected seed crop for which a seed crop certificate has been issued, Certified No. 1, Certified No. 2;
  - (iii) for the general seeds, bulbs or sets of commerce No. 1 Seed, No. 2 Seed, No. 3 Seed and for timothy the additional grade name of No. 2 Seed No. 1 Purity;
  - (iv) for mixtures of forage crop, lawn or turf grass seeds, No. 1 Mixture, No. 2 Mixture, No. 3 Mixture;
- (f) the letter and serial number of the seed inspection certificate, or the serial number of the control sample certificate, or the registration control number;
- (g) the origin of production for the kinds and in the manner as may be prescribed by regulation.

As to sale  
of field root  
or garden  
vegetable  
seed.

**6.** Seeds of field roots or garden vegetables that may be prescribed by regulation shall not be advertised, offered, sold or had in possession for sale for the purpose of seeding in Canada, unless such seed is graded and containers marked in accordance with section five of this Act, or if not graded, each container of such seed or a tag or label attached thereto is marked on one side in such form and manner as may be prescribed by regulation, with the following information:—

- (a) the name and address of the seller;
- (b) the name of the kind and variety or type;
- (c) the year in which the seed was tested for germination;
- (d) the percentage of germination when such germination is below the minimum percentage of germination prescribed by regulation for seed of the kind;
- (e) the origin of production for the kinds and in the manner prescribed by regulation.

Use of  
established  
variety  
names.

**7.** Seeds or plants of cereals, potatoes, forage crops, lawn or turf grasses shall not be advertised, offered, sold or had in possession for sale for the purpose of seeding or planting in Canada, under any variety name that is not included in a list of established variety names as may be prescribed by regulation, nor shall an approved variety name for any kind of seed accepted for registration or certification be altered by any qualifying term or reference whatsoever.

License to  
be obtained  
before new  
variety name  
may be used.

**8. (1)** Seeds or plants of cereals, potatoes, forage crops, lawn or turf grasses described as a new variety of such seeds or plants shall not be advertised, offered, sold or had in possession for sale for the purpose of seeding or planting in Canada, unless such variety is licensed for sale by the Minister.

(2) The Minister may refuse to issue a license in respect of any variety name unless the seeds or plants have been submitted to a propagating test, or the mature plants have been examined and reported upon by such person, persons or advisory board as may be appointed for the purpose, or if the variety is found or known to be approximately the same as a previously established variety and variety name, or is of such inferior quality or possesses such characteristics as to impair its value for commerce;

(3) The Minister may cancel a license or change the name of a variety licensed for sale when sufficient evidence is submitted to show that it is in the interest of the public to make such cancellation or change.

**9.** Seeds or plants that are falsely represented as to age, viability, quality, grade, variety, origin or description shall not be advertised, offered, sold or had in possession for sale for the purpose of seeding or planting in Canada, nor shall seeds of cereal grains, forage crops, lawn or turf grasses be advertised for sale at a stated price unless the grade name is included in the advertisement.

**10.** Seeds purported to have been inspected and graded for export shall not be advertised, offered, sold or had in possession for sale for export from Canada, unless each container thereof has affixed thereto an approved seal and tag bearing the following information only:—

- (a) the name and address of the seller;
- (b) the name of the kind or kinds;
- (c) the name of the variety, when known;
- (d) the name of the export grade the quality of which may be defined by regulation which shall be one of the following: Registered No. 1, Registered No. 2, Registered No. 3, Certified No. 1, Certified No. 2, No. 1 Seed, No. 2 Seed, No. 3 Seed;

- (e) the letter and number of the seed inspection certificate;
- (f) the origin of production for the kinds and in the manner as may be prescribed by regulation.

As to seeds of rejected quality.

**11.** Seed or a mixture of seeds as named in section five of this Act, or that may be prescribed by regulation, of a quality inferior to No. 3 Seed or No. 3 Mixture, or any seed named in section six of this Act, or that may be prescribed by regulation, of a quality inferior to the minimum standard of purity prescribed for No. 3 Seed shall not be advertised, offered, sold or had in possession for sale for the purpose of seeding in Canada; such seed shall be designated as Rejected.

As to importation of seed.

**12.** Seed of cereal grains, forage crops, lawn or turf grasses, field roots, garden vegetables or other kinds of seed that may be prescribed by regulation, shall not be imported into Canada for the purpose of seeding or of selling or offering for sale for seeding, unless they conform to the provisions of this Act and the regulations thereunder.

As to use of disclaimer or non-warranty clause.

**13.** The use of a printed or written disclaimer or non-warranty clause in respect to any seed advertised, sold, offered or had in possession for sale for the purpose of seeding in Canada, shall not be deemed to waive any liability of the person who violates any provision of this Act.

Exemptions.

**14.** This Act shall not apply to—

- (a) seed that is sold to be cleaned or graded before offered for sale for the purpose of seeding;
- (b) seed that is held in storage for the purpose of cleaning or grading, provided that the place of storage is not accessible to purchasers of seed or the seed is labelled "held for recleaning."

**15.** Sections five and six of this Act shall **Exemptions.** not apply to seed of cereal grains, buckwheat, field peas, field beans and corn that are grown, sold and delivered by any farmer, on his own premises, for seeding by the purchaser himself unless the purchaser of the said seed obtains from the seller at the time of the sale thereof, a certificate that the said seed is supplied to him subject to the provisions of this Act, nor to seed of Elite stock that may be produced and sold by any plant breeder to a seed grower, unless such seed be again sold.

**16.** Any inspector charged with the enforcement of this Act may require a grower or dealer to take a statutory declaration in respect to seed presented to an inspector for grading and sealing in containers as may be prescribed by regulation, and may enter upon any premises to make any examination of any plants or seeds, in containers or in bulk, whether such seeds or plants are on the premises of the owner or on other premises, or in the possession of any carrier, and may take official samples therefrom for which samples the owner shall, on demand, be paid in accordance with the amount thus taken and its current value; further, he may make or have made any examination of books, invoices or other records to determine the truthfulness of advertising or public statements in respect to seed offered for sale.

Power to require declaration, enter and take official samples and to examine records.

**17.** Any inspector charged with the enforcement of this Act, or any purchaser of seeds may take an official sample and forward it to such person as may be appointed to inspect, test, grade and report upon any seeds submitted for such purposes under the provisions of this Act. Such official sample shall be taken in accordance with the procedure as prescribed by regulation.

Official samples.

**Certificates.**

Official sample certificates shall be issued on official samples and copies forwarded to the inspector, informed, or complainant, and to the seller of the said seeds. The seller shall be granted a period of at least fourteen days after receipt of the official sample certificate before any action to impose a penalty may be taken under this Act.

**Publications.**

**18.** The Minister may publish the results of tests of official samples of seeds or plants made in connection with the enforcement of this Act, and any additional information which in the opinion of the Minister is advisable.

**Detention.**

**19.** Any seed advertised, offered, sold, had in possession for sale or carried for the purpose of seeding in Canada contrary to the provisions of this Act, may be detained by an inspector, together with any container enclosing same, and held as may be prescribed by regulation, at the expense of the owner, until compliance with the Act is effected. If the owner fails to comply with the aforesaid provisions within sixty days such seed may be confiscated and disposed of as the Minister may direct.

**Prosecution  
for violation.**

**20.** (1) Notwithstanding anything herein contained no person shall be prosecuted for violation of any provision of this Act or regulation thereunder with respect to the viability of seeds when such seeds have been out of his possession for more than six months.

(2) No person having seeds in his possession for sale shall be prosecuted for violation of this Act or regulations thereunder if he satisfies the inspector that

- (a) the seeds were purchased in Canada, and
- (b) the seeds have not been altered or their quality impaired while in his possession; and

(c) he had no reason to believe that such seeds did not comply with the provisions of this Act or regulations thereunder;

and shall disclose the name and address of the person from whom he purchased the seed and the place and date of such purchase.

(3) If, however, the seeds or plants were purchased from a person not resident in Canada the prosecution shall be taken against the person or his agent in Canada who sold, advertised, offered or had in his possession for sale the said seeds or plants.

#### OFFENCES AND PENALTIES.

**21.** (1) Except as otherwise provided in ~~Illegal sale.~~ the next following section, every person who by himself or through the agency of another person sells, advertises, offers or has in his possession for sale, seeds or plants in violation of any of the provisions of this Act or regulations thereunder, shall be guilty of an offence and liable upon summary conviction for a first offence to a fine of not less than five dollars and not more than twenty-five dollars, and for each subsequent offence to a fine of not less than twenty-five dollars and not more than two hundred and fifty dollars.

(2) In default of immediate payment of such fine such person shall be liable to imprisonment for a term not exceeding one month unless such fine is sooner paid.

*Penalty for  
default of  
immediate  
payment of  
fine.*

**22.** Any person who

*Penalty for  
tampering or  
obstruction.*

(a) forges or alters any certificate of grade or falsely marks or uses the serial number of any certificate issued under the provisions of this Act;

(b) wilfully lowers the quality or value of seeds by mixing any other seeds or material therewith after the said seeds have been tested and marked as required by this Act;

(c) wilfully obstructs, hinders, resists or in any way opposes any inspector while in the discharge of his duty; shall be guilty of an offence and liable upon summary conviction to a fine of not less than fifty dollars and not exceeding five hundred dollars, or to imprisonment for any term not exceeding twelve months, or to both fine and imprisonment.

Right of  
civil process.

**23.** No proceedings taken under this Act or conviction recorded shall in any way affect the right of any person to any legal remedy to which he may otherwise be entitled.

Certificate  
of grade  
and  
analysis as  
evidence.

**24.** In any prosecution under this Act or regulations thereunder, the certificate of grade of an inspector and the certificate of test or analysis of an official analyst on any official sample of seeds or plants received under the provisions of this Act, shall be accepted as *prima facie* evidence of the particulars of the said certificates as therein set out.

Act  
repealed.

**25.** The *Seeds Act*, chapter one hundred and eighty-five of the Revised Statutes of Canada, 1927, as amended by chapter forty-seven of the statutes of 1928, is repealed.

# REGULATIONS

## UNDER THE SEEDS ACT, 1937

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### THE ADVISORY BOARD UNDER THE SEEDS ACT, 1937

Under authority provided in section 3 of the Seeds Act, Chap. 40 of the Statutes of 1937, the Honourable the Minister of Agriculture has appointed an advisory board to prepare and recommend to him such regulations as are deemed necessary to be made in pursuance of the provisions of the said Act.

The board is constituted as follows:—

*Chairman:* Nelson Young, Seed Commissioner, Ottawa, Canada.

*Seed Growers, Vegetable Growers and Farmer Representatives:*

W. H. MacGregor, Miscouche, P.E.I. (Central Lot 16).  
Walter J. Cooke, 115 William St., Kingston, Ont.  
Dr. C. A. Zavitz, R.R. No. 2, Ilderton, Ont.  
Howard P. Wright, Airdrie, Alta.  
J. T. Mutrie, Vernon, B.C.

*Canadian Seed Trade Representatives:*

Wm. Ewing, Wm. Ewing Co. Ltd., Montreal, Que.  
W. H. Perron, 935 Blvd. St. Laurent, Montreal, Que.  
Kenneth McDonald, Kenneth McDonald & Sons, Ltd. Ottawa, Ont.  
F. G. Perrin, Hogg & Lytle Ltd., Oakwood, Ont.  
E. F. Crossland, Steele, Briggs Seed Co., Ltd., Toronto, Ont.  
Thos. Rennie, Wm. Rennie Co., Ltd., Toronto, Ont.  
E. G. Mehlenbacher, Fisherville, Ont.  
A. E. McKenzie, A. E. McKenzie Co., Ltd., Brandon, Man.

*Co-operative Wheat Producers Ltd. Representative:*

George W. Robertson, Regina, Sask.

*House of Commons Agricultural Committee Representative:*

W. G. Weir, M.P., Carman, Man.

*Secretary to the Board:*

C. Sweet, Chief, Seed Division, Seed Branch,  
Ottawa, Canada.

Correspondence relating to proposed amendments to the regulations may be addressed to the Secretary of the Board.

By virtue of the provisions of section 3 of *The Seeds Act*, Chap. 40 of the Statutes of 1937 the Honourable the Minister of Agriculture has made the following regulations effective September 30, 1937, and these regulations are hereby established accordingly.

#### INTERPRETATION

Wherever in these regulations the words "The Act" appear, it shall mean the Seeds Act, Chapter 40 of the Statutes of 1937.

#### A

#### DEFINITION OF GRADES

*Registered Seed* means seed graded in accordance with the standards defined under tables 1, 4 and 12 of these regulations and sold in containers with seed inspection certificate tags and seals attached bearing the Arms of Canada in the forms hereinafter provided. Registered seed is derived from approved varieties the crops of which are inspected and for which crop Registration Certificates are issued by the Canadian Seed Growers' Association, based on records and reports of crop inspections made in accordance with standards and regulations established by the Association.

*Certified Seed* means seed graded in accordance with the standards defined under tables 2, 5, 8 and 13 of these regulations and sold in containers with Seed Inspection Certificate tags and seals attached bearing the Arms of Canada in the forms hereinafter provided. Certified seed is derived from crops inspected in the field and for which Seed Crop Certificates are issued by the Seed Branch, based on reports of crop inspections made in

accordance with standards and regulations established by the Minister.

The standards for seed crop inspections for "Registered Seed" and "Certified Seed" are based on purity of variety, trueness to type, freedom from disease or noxious weeds.

*General Seeds of Commerce* means seed graded in accordance with the purity and germination standards defined under tables 3, 6, 7, 9, 10, 11 and 14 of these regulations. Grades of seed graded under the provisions of this paragraph are not required to be sold in sealed containers with seed inspection certificate tags attached, nor is field inspection required of the growing crop from which the seed originates.

The minimum quality for seeds that may be sold under the grade names prescribed under section 5, paragraph (e) of the Act shall (1) within comparative latitudes for different grades be well matured, plump, sound, sweet and well cleaned and graded to remove small, shrunken, immature or broken kernels and inert matter; (2) be at least equal in general appearance to standard grade samples that may be fixed by the Minister from season to season; and (3) be not lower than the minimum standards set forth in the following tables.

The term "free" as employed in the regulations means that the seed must be free from the impurities specified in an original test, the quantities analysed to be those prescribed by the Minister. In subsequent tests of seed which has already been graded the seed shall be regarded as free from the impurities specified in the regulations when not more than

- one in five pounds is found in cereal grains included under tables 1 and 2;
- one in two pounds in cereal grains included under table 3;
- one in one pound in beans, beets, corn, mangel, peas, sunflower, hemp, and vetches;
- one in eight ounces in flax, lentils, pumpkin, sorghum, squash, Sudan grass, swiss chard, vegetable marrow and water melon;
- one in four ounces in alfalfa, brome grass, clovers, other than alsike and white, crested wheat grass, lespedeza, meadow fescue, millet, rape, reed canary grass, rye grasses, sanfoin and timothy;

one in two ounces in alsike clover, Canadian blue grass, crested dog's tail, fescues (except meadow fescue), Kentucky blue grass, meadow foxtail, orchard grass, rough-stalked meadow grass, turnip, white clover and wood meadow grass; one in one ounce in bent grasses, asparagus, carrot, chicory, citron, cucumber, muskmelon, parsley, parsnip, radish, salsify and spinach; and one in one-half ounce in all other vegetables.

TABLE 1—CEREALS—GRADES FOR REGISTERED SEED

Note additional grade standard requirements under Section A. Definition of Grades, page 14 of the regulations

Kind of Seed	Noxious Weed Seeds			Maximum noxious and/or other weed seeds per pound (d)	Maximum seeds other cultivated kinds or species per pound (e)	Maximum other distinguishable varieties per pound (g)	Beans (field); barley; common wheat; corn (field); flax; oats; peas (field); rye; soy beans (field); Durum wheat; soy beans	Minimum percentage germination
	Maximum prohibited noxious weed seeds per pound	Maximum primary noxious weed seeds per pound	Maximum primary and/or secondary noxious weed seeds per pound					
Barley; beans (field); common wheat; corn (field); durum wheat; flax (a); oats; peas (field); rye; soy beans								
<i>Grade names</i>								
Registered No. 1.....	Free	Free	Free (b)	3	1 (f)	2	90	85
Registered No. 2.....	Free	Free	Free (c)	10	2	3	80	75
Registered No. 3.....	Free	Free	Free	10	2	3	70	65

(a) Except in the grading of flax when the maximum totals under this table shall apply per ounce.

(b) Except in oats grade Registered No. 2 in which not more than one wild oat per bushel shall be allowed.

(c) Except in grade Registered No. 3 in which not more than one secondary noxious weed seed per peck shall be allowed.

(d) Except in oats in which false wild oats may be present to the extent of double the numbers specified for "Maximum noxious and/or other weed seeds per pound."

(e) Except in common wheat in which not more than one kernel of durum wheat per peck shall be allowed.

(f) Except grade Registered No. 1 in which not more than one other cultivated seed, per two pounds of seed shall be allowed.

(g) Except in red wheat in which not more than one kernel of white per peck shall be allowed.

TABLE 2—CEREALS—GRADES FOR CERTIFIED SEED

Note additional grade standard requirements under Section A. Definition of Grades, page 14 of the regulations

Kind of Seed	Noxious Weed Seeds			Maximum seeds other kind or species per pound	Maximum other distinguish- able varieties per pound	Barley; beans (field); common durum wheat; flax; oats; peas (canning field, garden)	Barley; durum wheat; flax; oats; peas (canning, garden)	Minimum percentage germination
	Maximum prohibited noxious weed seeds per pound	Maximum primary noxious weed seeds per pound	Maximum secondary noxious weed seeds per pound					
Barley; beans (field); corn (field); common wheat; durum wheat; flax (a) (b); peas (canning, field, garden); oats								
<i>Grade names</i>								
Certified No. 1.....	Free	Free	1(c)	10	5	5	90	85
Certified No. 2 .....	Free	Free	1	20	10	10	80	75

(a) Except flax for which the maximum totals under this table shall apply per ounce.

(b) Except flax of fibre varieties which may only be graded Certified No. 1 under this table and which may contain a maximum of 20 noxious and/or other weed seeds per ounce and have a minimum percentage pure living seed of 30, but must be similar to grade Certified No. 1 as prescribed in all other respects.

(c) Except grade Certified No. 1 in which not more than one secondary noxious weed seed per peck shall be allowed for all kinds of seed under this table, excepting flax in which not more than one per pound shall be allowed.

TABLE 3—GRADES FOR GENERAL SEEDS OF COMMERCE

Note additional grade standard requirements under Section A. Definition of Grades, page 14 of the regulations

Kind of Seed	Noxious Weed Seeds			Maximum other distinguishable varieties of the same kind per pound	Maximum seeds other cultivated kinds or species per pound	Minimum percentage germination (e)
	Maximum primary and/or secondary noxious weed seeds per pound	Maximum primary noxious weed seeds per pound	Maximum noxious and/or other weed seeds per pound			
Barley (f); buckwheat; common wheat (f); corn (field); durum wheat (f); emmer; beans (field); peas (field); flax (a); hemp; oats; rye; soy beans; speltz; sunflower; vetches	Maximum prohibited noxious weed seeds per pound	Maximum primary noxious weed seeds per pound	Maximum noxious and/or other weed seeds per pound			
Grade names	Free	1	3 (b)	25	75 (c)	40 (d)
No. 1 Seed.....	Free	1	3 (b)	50	150 (c)	80 (d)
No. 2 Seed.....	Free	3	15	100	300	100 (d)
No. 3 Seed.....	Free					70
						65

(a) Except flax for which the maximum totals under this table shall apply per ounce.

(b) Except oats, barley and rye, grade No. 2 seed, which may contain an additional six seeds of wild oats per pound.

(c) Except oats and barley which may contain 150 and 250 grades No. 1 seed and No. 2 seed respectively.

(d) To apply only to barley (when known), beans (field), wheat (when known), corn, oats (black in white, white in black, hulled in hullless) and peas (field).

(e) The inspector may issue a grade certificate without a germination test.

(f) The minimum percentage of purity of variety for wheat and barley included under this table shall be 90 per cent when labelled in accordance with paragraph (d) of Section 5 of the Act.

TABLE 4—FORAGE CROPS—GRADES FOR REGISTERED SEED

Note additional grade standard requirements under Section A. Definition of Grades, page 14 of the regulations

Kind of Seed	Noxious Weed Seeds		Maximum noxious and/or other weed seeds per ounce	Maximum seeds other cultivated kinds or species per ounce	Minimum percentage germination	Minimum percentage pure living seed
	Maximum prohibited noxious weed seeds per four ounces	Maximum primary noxious weed seeds per four ounces				
Alfalfa; brome grass; fairway crested wheat grass; red clover; western rye grass (slender wheat grass); sweet clover; timothy						
<i>Grade names</i>						
Registered No. 1.....	Free	Free	1	20 (a)	10	90
Registered No. 2.....	Free	Free	2	50 (a)	50	80
Registered No. 3.....	Free	Free	5	50 (a)	50	70
						75
						65
						55

(a) Except sweet clover which must not be present in excess of one per two ounces in other kinds of seed under this table.

TABLE 5—FORAGE CROPS—GRADES FOR CERTIFIED SEED

Note additional grade standard requirements under Section A. Definition of Grades, page 14 of the regulations

Kind of Seed	Noxious Weed Seeds		Maximum percentage by weight of seeds of other cultivated kinds or species combined	Maximum percentage in timothy	Minimum percentage germination	Minimum percentage pure living seed
	Maximum primary noxious weed seeds per ounce	Maximum secondary noxious weed seeds per ounce				
Alfalfa; alsike clover; bromegrass; fairway crested wheat grass; red clover; sweet clover; timothy (a); western rye grass (slender wheat grass)						
Grade name	Free	Free	2	50	2	35
Certified No. 1.....	Free	Free	5	100 (b)	3	85
Certified No. 2.....	Free	Free	.....	.....	75	75
					75	65

(a) Except timothy which may not be graded Certified No. 2.  
 (b) Except sweet clover which must not be present in excess of 1 per ounce in other kinds of seed under this table.

TABLE 6—FORAGE CROPS—GRADES FOR GENERAL SEEDS OF COMMERCE

Note additional grade standard requirements under Section A. Definition of Grades, page 14 of the regulations

Kind of Seed	Noxious Weed Seeds	Maximum noxious and/or other weed seeds per ounce	Maximum primary and/or secondary noxious weed seeds per ounce	Maximum percentage by weight of other cultivated kinds or species combined	Maximum percentage hulless seed in samples of timothy and mixtures containing timothy seed	Minimum percentage pure living seed (f)	
						Brome grass; crested wheat grass; fairway crested; lentils; Italian ryegrass; meadow fescue; perennial rye grass; sorghum; Sudan grass; tall oat grass; western rye grass	Alfalfa; alsike clover; crimson clover; fescue; foxtail; grass; Italian ryegrass; meadow fescue; perennial rye grass; sorghum; Sudan grass; tall oat grass; western rye grass
Alfalfa; alsike clover; barn yard millet; brome grass; crested wheat grass; crimson clover; fairway crested wheat grass; foxtail millet; Italian ryegrass; lentils; lespediza; meadow fescue; meadow foxtail; orchard grass; pearl millet; perennial rye grass; proso millet; rape; red clover; reed canary grass; sanfoin; sorghum; Sudan grass; sweet clover (d); tall oat grass; timothy; western rye grass; white clover.							
<i>Grade names</i>							
No. 1 Seed.....	Free	5 (a) (b)	100	2	35	80	75
No. 2 Seed No. 1 Purity (Timothy).....	Free	5	100	2	60	70	70
No. 2 Seed.....	Free	5 (a)	200 (c)	3 (e)	60	70	65
No. 3 Seed.....	Free	20	75 (b)	5	100	60	55

(a) Except alsike and white clover seed which may contain a maximum of ten primary noxious weed seeds per ounce in grade No. 2 Seed and ten secondary and thirty primary and/or secondary noxious weed seeds per ounce in grades No. 1 Seed and No. 2 Seed respectively.

(b) The maximum number of wild oats that may be allowed per ounce in seed of brome grass, western rye grass and crested wheat grass shall be one, five and twenty in grades No. 1 Seed, No. 2 Seed and No. 3 Seed respectively.

(c) Except domestic red clover, alsike and alfalfa seed, which may contain a maximum additional number of green foxtail and black medick of one hundred seeds per ounce in grades No. 2 Seed and No. 3 Seed.

(d) Sweet clover, when in combination with one or more kinds of cultivated seeds in any amount not in excess of 5 per cent of the sample, shall be considered under the classification of "Other Weeds" and not more than fifty, one hundred and two hundred shall be allowed in grades No. 1 Seed, No. 2 Seed and No. 3 Seed respectively.

(e) Except timothy, grade No. 2 Seed, which may contain a maximum of 5 per cent of other cultivated kinds or species combined.

(f) The inspector may issue a grade certificate without a germination test.

TABLE 7—FORAGE CROPS—GRADE MIXTURES FOR GENERAL SEEDS OF COMMERCE

Note additional grade standard requirements under Section A. Definition of Grades, page 14 of the regulations

Kind of Seed	Noxious Weed Seeds		Minimum percentage by weight of seeds of each kind or species in a mixture which shall be named on the container or label	Minimum percentage germination	Minimum percentage pure living seed
	Maximum primary and/or secondary noxious weed seeds per ounce	Maximum noxious weed seeds per ounce			
Alfalfa; alsike; brome; Canadian blue; crested wheat; Italian ryegrass; Kentucky blue; meadow fescue; millet; orchard grass; perennial ryegrass; rape; red clover, red top; sheep's fescue; sorghums; Sudan grass; sweet clover; timothy; western rye grass; white clover					
<i>Grade names</i>					
No. 1 Mixture (a).....	Free	5	100	8	80
No. 2 Mixture (a).....	Free	6	200	6	70
No. 3 Mixture (a).....	Free	20	300	4	60
					75
					70
					60
					55
					50

(a) For any grade under this table the percentage germination for each kind of seed named in a mixture shall be at least equal to the minimum percentage germination or pure living seed prescribed for seed of the kind and grade.

TABLE 8—TURF GRASSES—GRADES FOR CERTIFIED SEED

Note additional grade standard requirements under Section A. Definition of grades, page 14 of the regulations

Kind of Seed	Maximum prohibited noxious weed seeds per ounce	Maximum secondary weeds seeds per ounce	Maximum percentage by weight of seeds, of other cultivated kinds or species combined	Minimum percentage pure living seed
Creeping bent; creeping red fescue; P. E. I. bent ( <i>Agrostis tenuis</i> ); velvet bent				
<i>Grade names</i>				
Certified No. 1.....	Free	50	0.5	2
Certified No. 2.....	Free	100	1.0	3
				75
				65

TABLE 9—TURF GRASSES—GRADES FOR GENERAL SEEDS OF COMMERCE

Note additional grade standard requirements under Section A. Definition of grades, page 14 of the regulations.

Kind of Seed	Maximum prohibited noxious weed seeds per ounce	Maximum secondary noxious weed seeds per ounce	Maximum percentage by weight of seeds of other cultivated kinds or species combined	Minimum percentage pure living seed	
				Colonial bent, P.E.I. bent, creeping bent, velvet bent; red top	Kentucky blue
Colonial bent, P.E.I. bent, creeping bent, velvet bent; Chewing's fescue, creeping red fescue; Kentucky blue; red top					
<i>Grade names</i>					
No. 1 Seed.....	Free	50 (a)	0.8	2	75
No. 2 Seed.....	Free	100 (a)	1.5	3	65
					65
					50
					50

(a) Except common and mouse-ear chickweed and common and pale plantain which must not be present in excess of 5 and 20 per ounce in grades No. 1 Seed and No. 2 seed respectively.

TABLE 10—GRASSES—GRADES FOR GENERAL SEEDS OF COMMERCE

Note additional grade standard requirements under Section A. Definition of Grades, page 14 of the regulations

Kind of Seed	Maximum prohibited noxious weed seeds per ounce	Maximum secondary noxious weed seeds per ounce	Maximum percentage by weight of seeds of other cultivated kinds or species combined	Minimum percentage pure living seed	
				Colonial or P.E.I. bent, creeping bent, red top, velvet bent; Canadian blue, Kentucky blue, Poa triflora; rough stalked meadow, wood meadow	Canadian blue, Kentucky blue, Poa triflora; rough stalked meadow, wood meadow
Colonial or P.E.I. bent, creeping bent, red top, velvet bent; Canadian blue, Kentucky blue, Poa triflora, rough stalked meadow, wood meadow; Chewing's fescue, fine-leaved fescue, red fescue, sheep's fescue, various leaved fescue; crested dog's tail					
<i>Grade names</i>					
No. 1 Seed.....	Free	75 (a)	0.8	5	75
No. 2 Seed.....	Free	150 (a)	1.5	5	65
No. 3 Seed.....	Free	300 (a)	2.5	5	55
					50
					50

(a) Except Canadian blue, Kentucky blue and red top in which the maximum secondary noxious weed seeds per ounce shall be 20, 40 and 80 for grades No. 1 Seed, No. 2 Seed and No. 3 Seed, respectively.

TABLE II—LAWN GRASSES—GRADE MIXTURES FOR GENERAL SEEDS OF COMMERCE

Note additional grade standard requirements under Section A. Definition of Grades, page 14 of the regulations

Kind of Seed	Minimum percentage of seeds of each kind or species in a mixture which shall be named on the container or label	Maximum percentage by weight of other weed seeds per ounce	Maximum secondary noxious weed seeds per ounce	Minimum percentage by weight of seeds of each kind or species in a mixture which shall be named on the container or label	Colonial or P.E.I. bent, creeping bent, red top, velvet bent; Canadian blue, Kentucky blue, <i>Poa triflora</i> ; rough-stalked meadow grass; Chewing's fescue, fine-leaved fescue, creeping red fescue, sheep's fescue, various leaved fescue; crested dog's tail, fairway crested wheat grass, western rye grass, perennial rye grass; white clover	Canadian blue, Kentucky blue, <i>Poa triflora</i> ; rough-stalked meadow grass; Chewing's fescue, fine-leaved fescue, sheep's fescue, various leaved fescue; crested dog's tail, fairway crested wheat grass, western rye grass, perennial rye grass	Minimum percentage pure living seed
Colonial or P.E.I. bent, creeping bent, red top, velvet bent; Canadian blue, Kentucky blue, <i>Poa triflora</i> , rough-stalked meadow grass, wood meadow grass; Chewing's fescue, fine-leaved fescue, creeping red fescue, sheep's fescue, various leaved fescue; crested dog's tail, fairway crested wheat grass, western rye grass; perennial rye grass; white clover	White clover						
Colonial or P.E.I. bent, creeping bent, red top, velvet bent; fine-leaved fescue, sheep's fescue, various leaved fescue; rough stalked meadow grass, wood meadow grass							
Chewing's fescue, fine-leaved fescue, creeping red fescue							
No. 1 Mixture (a).....	Free	75	0.8	5 (c)	80	75	65
No. 2 Mixture (b).....	Free	150	1.5	5 (c)	70	65	55
No. 3 Mixture (b).....	Free	300	2.5	5 (c)	60	55	50

Notes.—In order to obtain a grade and control sample certificate number for a mixture under this table it shall be required that the grade and control sample certificate number for each kind of seed in the mixture and the percentage of each kind present be stated. It shall not be required to mark containers of ten pounds or less with the names of the kind of seed graded under this table.

(a) No. 1 Mixture lawn grass seed shall contain not less than 20 per cent by weight singly or combined of the following kinds:—

Velvet bent.....	( <i>Agrostis canina</i> L.).
Creeping bent.....	( <i>Agrostis stolonifera</i> L.).
Colonial or P.E.I. bent.....	( <i>Agrostis tenuis</i> Sibth.).
Kentucky blue grass.....	( <i>Poa pratensis</i> L.).
Creeping red fescue.....	( <i>Festuca rubra</i> L.).
Chewing's fescue.....	( <i>Festuca rubra</i> L. variety <i>fallax</i> Thunb.).
Fine-leaved fescue.....	( <i>Festuca ovina</i> L., variety <i>tenuifolia</i> Sibthorp.).
Wood meadow grass.....	( <i>Poa nemoralis</i> L.).
Rough-stalked meadow grass.....	( <i>Poa trivialis</i> L.).
White clover.....	( <i>Trifolium repens</i> L.).

shall contain not more than 35 per cent, singly, of the following kinds:—

Red top.....	( <i>Agrostis stolonifera</i> L., variety <i>major</i> Gaudin, Farrell).
Crested dog's tail.....	( <i>Cynosurus cristatus</i> L.).
Western rye grass.....	( <i>Agropyron tenerum</i> Vasey).
Crested dog's tail.....	( <i>Agrostis stolonifera</i> L., variety <i>major</i> Gaudin, Farrell).
Red top.....	( <i>Agrostis stolonifera</i> L., variety <i>major</i> Gaudin, Farrell).
Canadian blue grass.....	( <i>Poa compressa</i> L.).
Crested dog's tail.....	( <i>Cynosurus cristatus</i> L.).
Perennial rye grass.....	( <i>Lolium perenne</i> L.).
Fairway crested wheat grass.....	( <i>Agropyron cristatum</i> (Fairay strain) ).

Western rye grass.....  
and shall contain not more than 2 per cent singly, or 5 per cent combined of any kind or kinds of seed other than those named above. The percentage germination for each kind of seed named in the mixture shall, in the case of white clover, be at least equal to the minimum percentage germination or in the case of grasses, to the minimum percentage of pure living seed prescribed for Grade No. 2 Seed of the kind.

(b) No. 2 Mixture or No. 3 Mixture lawn grass seed shall contain not more than 5 per cent singly, or 10 per cent combined of any kind or kinds of seed not named under Kind of Seed of this table. The percentage germination for each kind of seed named in the mixture shall, in the case of white clover, be at least equal to the minimum percentage germination or in the case of grasses, to the minimum percentage of pure living seed prescribed for the kind and grade.

(c) Except white clover which shall be 2 per cent.

TABLE 12—FIELD ROOT AND GARDEN VEGETABLES—GRADES FOR REGISTERED SEED

Note additional grade standard requirements under Section A. Definition of Grades, page 14 of the regulations

Kind of Seed	Noxious Weed Seeds	Minimum percentage germination		
		Maximum noxious and/or other weed seeds per ounce	Carrot (garden); parsnip	Beans (garden); sprouts; cabbage; corn (garden); cucumber; egg plant; mangel; lettuce; melon; onion; peas (garden and canning); radish; swede; tomato
Asparagus; beans (garden); beet (garden); brussels sprouts; cabbage; carrot (garden); cauliflower; celery; egg plant; egg (garden); cucumber; egg plant; lettuce; mangel; melon; onion; parsnip; pea; pea (garden and canning); parsley; pepper; pumpkin; radish; spinach; squash; swede; swiss chard; tobacco; tomato; vegetable marrow.	Maximum prohibited noxious weed seeds per ounce	Maximum primary noxious weed seeds per ounce	Celeriac; celery; parsley; pepper	Asparagus; beet (garden); cauliflower; egg plant; mangel; melon; onion; swiss chard; vegetable marrow
<i>Grade names</i>				
Registered No. 1.....	Free	Free	Free	65
Registered No. 2.....	Free	Free	5	55
Registered No. 3.....	Free	Free	5	10
			50	55
				60
				65

TABLE 13—FIELD ROOT AND GARDEN VEGETABLES—GRADES FOR CERTIFIED SEED

Note additional grade standard requirements under Section A. Definition of Grades, page 14 of the regulations

TABLE 14—FIELD ROOT AND GARDEN VEGETABLES—GRADES FOR GENERAL SEEDS OF COMMERCE

Note additional grade standard requirements under Section A. Definition of Grades, page 14 of the regulations

Kind of Seed			Minimum percentage germination
Artichoke; asparagus; beans (garden); <i>Beta</i> sp. including only garden beet, mangold, sugar beet, swiss chard; <i>Brassica</i> sp. including only cabbage, cauliflower, brussels sprouts, kohlrabi, Brussels sprouts, kohlrabi, swede, turnip; carrot; celeriac; celery; citron; chervil; chicory; chives; corn (sweet and squaw); cress; cucumber; egg plant; endive; lettuce; melon; mustard; onion; parsley; parsnip; peas (garden and canning); pepper; pumpkin; radish; sage; savory; spinach; squash; tomato; vegetable marrow	Maximum primary and/or secondary noxious weed seeds per ounce and for mangold and sugar beet per pound	Maximum noxious and/or other weed seeds per ounce and for mangold and sugar beet per pound	Artichoke; asparagus; beet (garden); beet (sugar); broccoli; cauliflower; chervil; chicory; chives; citron; cress; egg plant; endive; leeks; mangetout; mustard; onion (barletta, Bermuda, crystal white wax, marmoth, silver skin, silver skin, white bunching, Queen Tripoli varieties); pumpkin; salisify; squash; swiss chard; vegetable marrow
		Carrot; parsnip; sage; savory	Beans (garden); borecole or kale; brussels sprouts; cabbage; corn (sweet and squaw); cucumber; kohlrabi; lettuce; melon; onion; peas (garden and canning); radish; swede; tomato; turnip
<i>Grade names</i>			
No. 1 Seed.....	Free	10	20
No. 2 Seed.....	Free	20	55
No. 3 Seed.....	Free	1	50
		100	55
			65
			75
			80
			80
			80

## B

The conditions under which brand names and registration control numbers for seeds may be used shall be:—

A brand name may be employed for grade No. 1 Seed only of general seeds of commerce. The quality of such seed must be substantially superior to the minimum standard for the grade and conform to a type sample submitted to the Seed Branch as representative of the brand.

A registration control number shall be issued as authority for the use of a grade name for the general seeds of commerce on the basis of a type sample submitted to the Seed Branch and, in the case of lawn or turf grass mixtures, when a stated formula is submitted in addition to the type sample. The type samples shall consist of the following quantities:

Cereals—5 pounds.

All other kinds under Section 5 of the Act—1 pound.

Such type samples shall represent the quality and grade to be sold under the registration control number.

Employment of a brand name and registration control number, or of a registration control number as authority for a grade name shall carry the same responsibility as a control sample certificate number in respect to the enforcement of the Act.

Any person using a registration control number must apply to the Minister annually for a licence, the fee for which shall be one dollar per annum. Such licence may be cancelled or renewal refused for cause.

## C

## WEEDS

The species of plants the seeds of which may be deemed to be prohibited noxious, primary noxious or secondary noxious weed seeds, and also other plants the seeds of which may be deemed to be other weed seeds within the meaning of the Act, shall be:—

## CLASS 1. PROHIBITED NOXIOUS WEEDS

DODDER (*Cuscuta* spp.)

FIELD bindweed (*Convolvulus arvensis* L.).—When present in cereal grains.

HOARY cress (*Lepidium Draba* L.).

JOHNSON grass (*Sorghum halepense* (L.) Pers.).

LEAFY spurge (*Euphorbia viigata* and *E. Esula* L. Waldst. & Kit.).

RUSSIAN knapweed (*Centaurea repens* L.).

CLASS 2. PRIMARY NOXIOUS WEEDS UNDER  
TABLES 1, 2, 3, 4, 5, 6, 7

- BLADDER campion (*Silene latifolia* (Mill) Britten & Rendle).  
COUCH grass (*Agropyron repens* (L.) Beauv.).  
FIELD bindweed (*Convolvulus arvensis* L.).  
Forked catchfly (*Silene dichotoma* Ehrh.).  
OX-EYE daisy (*Chrysanthemum Leucanthemum* L.).  
PERENNIAL sow thistle (*Sonchus arvensis* L.).  
RAGWEED great (*Ambrosia trifida* L.).  
Red cockle (*Lychnis dioica* L.).  
WHITE cockle (*Lychnis alba* Mill.).  
Wild mustard (*Brassica arvensis* (L.) Ktze., *Brassica juncea* (L.) Cosson, *Brassica nigra* (L.) Koch), *Brassica campestris* L.).  
Wild radish (*Raphanus Raphanistrum* L.).

CLASS 3. PRIMARY NOXIOUS WEEDS UNDER TABLES 12, 13, 14

- BLADDER campion (*Silene latifolia* (Mill.) Britten & Rendle).  
FIELD bindweed (*Convolvulus arvensis* L.).  
PERENNIAL sow thistle (*Sonchus arvensis* L.).  
WHITE cockle (*Lychnis alba* Mill.).

For the purpose of tables 12, 13 and 14 other primary noxious weeds included under Class 2 shall be considered as secondary noxious weeds.

CLASS 4. SECONDARY NOXIOUS WEEDS UNDER  
TABLES 1, 2, 3, 4, 5, 6, 7, 12, 13, 14

- BALL mustard (*Neslia paniculata* (L.) Desv.).  
Blue weed (*Echium vulgare* L.).  
CANADA thistle (*Cirsium arvense* (L.) Scop.).  
Chicory (*Cichorium intybus* L.).  
Cow cockle (*Saponaria Vaccaria* L.).  
DARNEL (*Lolium* spp. other than *Lolium perenne* L. and *Lolium multiflorum* Lam.).  
Dock (*Rumex crispus* L. and *Rumex obtusifolius* L.).  
Dog mustard (*Erucastrum gallicum* (Willd.) O. E. Schulz.).  
Downy brome (*Bromus tectorum*).  
FALSE flax (*Camelina* spp.).  
Field peppergrass (*Lepidium campestre* (L.) R. Br.).  
HARE'S-EAR mustard (*Corringia orientalis* (L.) Dumort.).  
Hoary alyssum (*Berteroa meana* L.).  
NIGHT-FLOWERING catchfly (*Silene noctiflora* L.).  
POVERTY weed (*Iva* spp.).  
Purple cockle (*Agrostemma Githago* L.).  
RAGWEED, common (*Ambrosia artemisiifolia* L.).  
Ragweed, perennial (*Ambrosia psilostachya* D.C.).  
Ribgrass (*Plantago lanceolata* L.).  
Russian thistle (*Salsola Kali* L.).  
STICKSEED (*Lapula echinata* Gilib.).  
Stinkweed (*Thlaspi arvense* L.).  
TUMBLING mustard (*Sisymbrium altissimum* L.).  
WILD carrot (*Daucus Carota* L.).  
Wild oat (*Avena fatua* L.).  
YELLOW cress (*Rorippa sylvestris* (L.) Besser).

CLASS 5. SECONDARY NOXIOUS WEEDS UNDER TABLES 8, 9, 10, 11

- CANADA thistle (*Cirsium arvense* (L.) Scop.).  
Chickweed, common (*Stellaria media* L.).  
Chickweed, mouse-ear (*Cerastium vulgatum* L.).  
Common plantain (*Plantago major* L.).

- Crabgrass (*Digitaria* spp.).  
 DANDELION (*Taraxacum* spp.).  
 GROUND ivy (*Nepeta nederacea* Tvev.).  
 HEAL-ALL (*Prunella vulgaris* L.).  
 KNOTWEED (*Polygonum aviculare* L.).  
 OX-EYE daisy (*Chrysanthemum leucanthemum* L.).  
 Pale plantain (*Plantago Rugelii* DCne.).  
 Panic grass (*Panicum* spp.).  
 RIBGRASS (*Plantago lanceolata* L.).  
 For the purpose of tables 8, 9, 10 and 11, all weeds not included under Classes 1 and 5, shall be considered as Other Weeds.

## CLASS 6. OTHER WEEDS

- AMARANTH (*Amaranthus* spp.).  
 American pennyroyal (*Hedeoma pulegioides* (L.) Pers.).  
 Aster (*Aster* spp.).  
 August flower (*Leontodon autumnalis* L.).  
 Avens (*Geum* spp.).  
 BARLEY wild (*Hordeum jubatum* L.).  
 Barnyard grass (*Echinochloa Crusgalli* (L.) Beauv.).  
 Beckmann's grass (*Beckmannia erucaeformis* (L.) Host.).  
 Bedstraw (*Galium* spp.).  
 Beggartick (*Bidens* spp.).  
 Bergamot, wild (*Monarda fistulosa* L. and other *Monarda* spp.).  
 Bird's foot trefoil (*Lotus* spp.).  
 Bird's foot (*Ornithopus* spp.).  
 Black medick (*Medicago lupulina* L.).  
 Blue-eyed grass (*Sisyrinchium* spp.).  
 Blue field madder (*Sherardia arvensis* L.).  
 Blue lettuce (*Lactuca pulchella* (Pursh.) D.C.).  
 Brome grass (*Bromus* spp. other than *Bromus inermis* Leyss.).  
 Buckwheat, wild (*Polygonum Convolvulus* L.).  
 Bugle weed (*Lycopus virginicus* L.).  
 Buttercup (*Ranunculus* spp.).  
 CANARY grass (*Phalaris* spp.).  
 Catnip (*Nepeta cataria* L.).  
 Cats-ear (*Hypochaeris radicata* L.).  
 Chamomile, wild (*Matricaria* spp.).  
 Chess (*Bromus secalinus* L.).  
 Chickweed (*Stellaria* and *Cerastium* spp.).  
 Cinquefoil (*Potentilla* spp.).  
 Clover (other than *Trifolium hybridum*, *incarnatum*, *pratense*, and *repens*).  
 Corn gromwell (*Lithospermum* spp.).  
 Corn salad (*Valerianella* spp.).  
 Crabgrass (*Digitaria* spp.).  
 DANDELION (*Taraxacum* spp.).  
 Dock (*Rumex* spp. other than *R. crispus* L. and *obtusifolius* L.).  
 Dragonhead, American (*Dracocephalum parviflorum* Nutt.).  
 EVENING primrose (*Oenothera* spp.).  
 Eyebright (*Euphrasia* spp.).  
 FALSE wild oat (*Avena sativa* mut. *fatuoid* Huskins & Fryer).  
 Fleabane (*Erigeron* spp.).  
 Forget-me-not (*Myosotis* spp.).  
 Foxtail, green (*Setaria viridis* (L.) Beauv.).  
 Foxtail, yellow (*Setaria glauca* (L.) Beauv.).  
 Foxtail grass (*Alopecurus* spp. other than *Alopecurus pratensis* L.).  
 GAILLARDIA, wild (*Gaillardia* spp.).  
 Gaura (*Gaura* spp.).  
 Gentian (*Gentiana* spp.).

- Geranium (*Geranium* spp.).  
 Goldenrod (*Solidago* spp.).  
 Ground cherry (*Physalis* spp.).  
 Groundsel (*Senecio* spp.).  
 Gumweed (*Grindelia* spp.).  
 HAIR grass (*Aira* and *Deschampsia* spp.).  
 Hawk's beard (*Crepis* spp.).  
 Hawkweed (*Hieracium* spp.).  
 Heal-all (*Prunella vulgaris* L.).  
 Hedge bindweed (*Convolvulus sepium* L.).  
 Hedge nettle (*Stachys palustris* L.).  
 Hemp nettle (*Galeopsis Tetrahit* L.).  
 Hyssop (*Agastache* spp.).  
 KNOTWEED (*Polygonum aviculare* L. and other *Polygonum* spp.).  
 LADY's thumb (*Polygonum Persicaria* L. and *lapathifolium* L.).  
 Lamb's quarters (*Chenopodium* spp.).  
 Liquorice, wild (*Glycyrrhiza lepidota* (Nutt.) Pursh.).  
 Loose strife (*Lythrum* spp.).  
 Lupine, wild (*Lupinus* spp.).  
 Lyme grass (*Elymus* spp.).  
 MALLOW (*Malva* spp.).  
 Manna grass (*Glyceria* spp.).  
 Mayweed (*Anthemis* spp.).  
 Meadow rue (*Thalictrum* spp.).  
 Milk vetch (*Astragalus* spp.).  
 Mint (*Mentha* spp.).  
 Motherwort (*Leonurus Cardiaca* L.).  
 Mustard, hedge and tansy (*Sisymbrium* spp. other than *Sisymbrium altissimum*).  
 Mustard, tower (*Arabis* spp.).  
 Mustard, wormseed (*Erysimum cheiranthoides* L.).  
 NIPPLE-WORT (*Lapsana communis* L.).  
 Orach (*Atriplex* spp.).  
 Ox-tongue (*Picris* spp.).  
 PANIC grass (*Panicum* spp.).  
 Paspalum grass (*Paspalum* spp.).  
 Peppergrass (*Lepidium* spp. other than *L. campestre* (L.) R. Br.).  
 Phlox, wild (*Phlox* spp.).  
 Plantain (*Plantago* spp. other than *Plantago lanceolata* L.).  
 Poppy (*Papaver* spp.).  
 Poverty weed (*Iva* spp.).  
 Prairie rose (*Rosa* spp.).  
 Prickly lettuce (*Lactuca scariola* L.).  
 Purslane (*Portulaca oleracea* L.).  
 RAT's TAIL fescue (*Festuca myuros* L.).  
 Rocket (*Eruca sativa* Lam.).  
 Rough hair grass (*Agrostis hyemalis* (Walt) BSP.).  
 Rush (*Juncus*, *Eleocharis* and *Luzula* spp.).  
 Rush grass (*Sporobolus* spp.).  
 Russian pigweed (*Axyris amaranoides* L.).  
 SANDWORT (*Arenaria* spp.).  
 Sand Spurrey (*Spergularia* spp.).  
 Scarlet pimpernel (*Anagallis arvensis* L.).  
 Sedge family (*Cyperaceae*).  
 Sheep sorrel (*Rumex Acetosella* L.).  
 Shepherd's purse (*Capsella Bursa-pastoris* L.).  
 Sleepy catchfly (*Silene antirrhina* L.).  
 Sow thistle, annual (*Sonchus oleraceus* L.).  
 Sow thistle, spiny leaved (*Sonchus asper* (L.) Hill).  
 Spear grass (*Stipa* spp.).  
 Speedwell (*Veronica* spp.).  
 Spider flower (*Cleome* spp.).

Spiny Sida (*Sida spinosa* L.).  
 Spurge (*Euphorbia* spp.).  
 Spurrey (*Spergula arvensis* L.).  
 St. John's-wort (*Hypericum* spp.).  
 Star thistle (*Centaurea* spp. other than *Centaurea repens* L.).  
 Sunflower, wild (*Helianthus* spp. other than *Helianthus annuus* L.).  
 Sweet clover (*Melilotus* spp.).  
 Sweet grass (*Hierochloe odorata* (L.) Wahlenb.).  
 TARWEED (*Madia* spp.).  
 Thistle (*Cirsium* spp. other than *Cirsium arvense* (L.) Scop.).  
 Three-seeded mercury (*Acalypha* spp.).  
 VELVET grass (*Holcus lanatus* L.).  
 Velvet leaf (*Abutilon Theophrasti Medic*).  
 Vernal grass (*Anthoxanthum* spp.).  
 Vervain (*Verbena* spp.).  
 Vetch, wild (*Vicia* spp. other than *Vicia sativa* L., *Vicia villosa* Roth and *Vicia pannonica* Crantz).  
 WALLFLOWER (*Erysimum* spp. other than *E. cheiranthoides* L.).  
 Water hemlock (*Cicuta* spp.).  
 Wheat grass (*Agropyron* spp. other than *A. repens* (L.) Beauv. *A. tenerum* Vasey and *A. cristatum* Beauv.).  
 Whitlow grass (*Draba* spp.).  
 Wild oat grass (*Danthonia* spp.).  
 Winter cress (*Barbarea* spp.).  
 Wolfberry (*Symporicarpos occidentalis* Hook.).  
 Wood sorrel (*Oxalis* spp.).  
 YARROW (*Achillea Millefolium* L.).  
 Yellow daisy (*Rudbeckia hirta* L.).  
 And any other weeds not named above.

## D

The established variety names of the varieties of cereals, potatoes, forage crops, lawn or turf grasses shall be those prescribed in appendix A, page 61 of these regulations. The methods to be followed in making propagating tests or an examination of seeds or plants to determine the variety, and whether falsely represented, or of a new or inferior variety within the meaning of the Act shall be to submit samples to the Dominion Cerealist, Dominion Horticulturist, Dominion Agrostologist, or other plant specialists authorized by the Minister for propagating test, examination and report.

## E

The statement, language (whether English or French), and the size of the printing of the brand or mark to be marked on the container of seeds or plants, or on a tag or label attached thereto, required under sections 5, 6, and 10 of the Act, shall be:—

1. plain, legible and indelible,
2. in case of tags or labels, written or printed in type not less than 11 point,

3. in case of marking on bags or other large containers, in characters not less than one inch long,
4. in case of seed sold, offered, or held in possession for sale in the province of Quebec, in both the French and English languages.

## F

Seed from geographical areas which, for the purpose of the Act must be identified to indicate origin of production, shall be coloured as set forth in paragraph 3 of section (I) of the Seed Importation Regulations.

## G

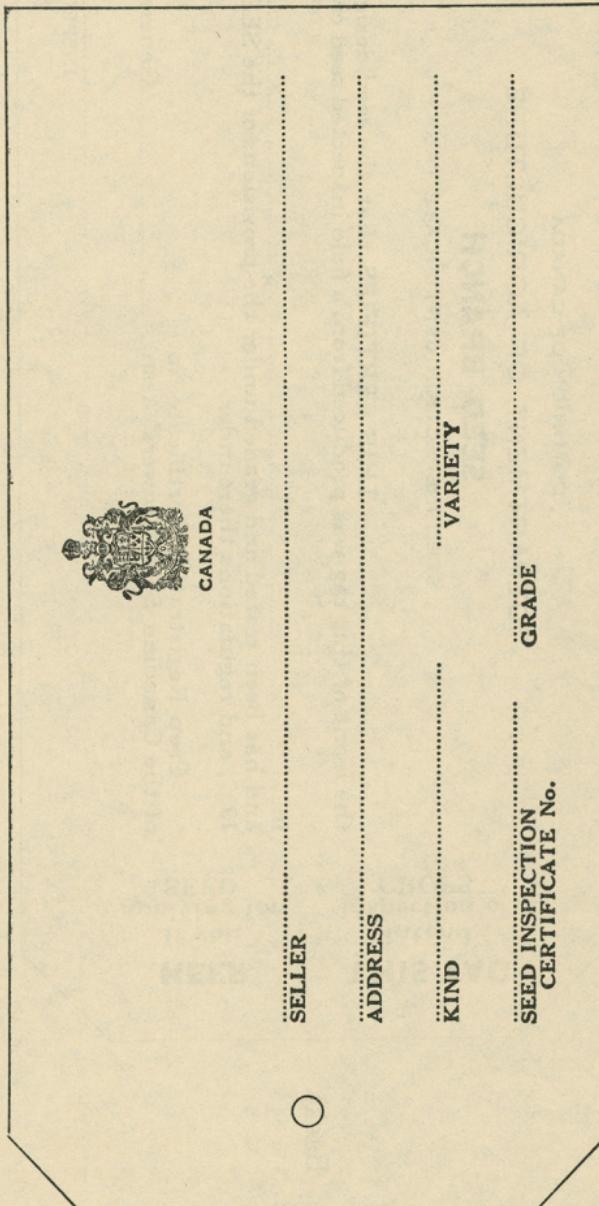
The standards of purity required under Section 11 of the Act and the minimum percentage of germination for each kind of seed, below which such seeds when sold, advertised, offered or had in possession for sale shall be branded or marked as required by the provisions of Section 6 of the Act shall be as prescribed for Grade No. 3 Seed, table 14, page 32 of these regulations.

## H

The form of tag that may be employed as a seed inspection certificate; the character of the seal to be attached by a seed inspector to containers of seed to protect the seed inspection certificate tag; the nature of the inspection that must be made of seed crops or of cleaned seed, and of the information that must be available to the seed inspector before a seed inspection certificate may be issued; the procedure to be followed and the implements to be employed in taking samples; the number that shall be taken and how they shall be forwarded and preserved and by whom; the methods of testing and analysis of seeds and the limits of variability that may be tolerated as between different tests of the same sample or subsequent samples purported to have been drawn from the same lot or part thereof, shall be as follows:—

1. The forms of seed inspection certificate tags and the character of the seals to be attached to containers by a seed inspector, shall be as follows:—

- (a) Facsimile of seed inspection certificate tag for seed grades Registered No. 1, Registered No. 2 and Registered No. 3, derived from a seed crop for which a crop registration certificate has been issued.



Front

The above tag is printed in red

KEEP THIS TAG  
If you intend to apply for seed inspection of crops

If you intend to apply for seed inspection of crops

Keep this tag  
If you intend to apply for seed inspection of crops

DOMINION OF CANADA

DEPARTMENT OF AGRICULTURE

**SEED BRANCH**

SEED INSPECTION CERTIFICATE TAG

THIS CERTIFIES that the seed designated on  
the front of this tag was produced from a field inspected seed crop grown  
in.....  
and has been tested and graded under the provisions of the SEEDS ACT,  
1937, and regulations thereunder.

Crop Registration Certificate No. }  
of the Canadian Seed Growers' Assn. }  
..... Generation.....

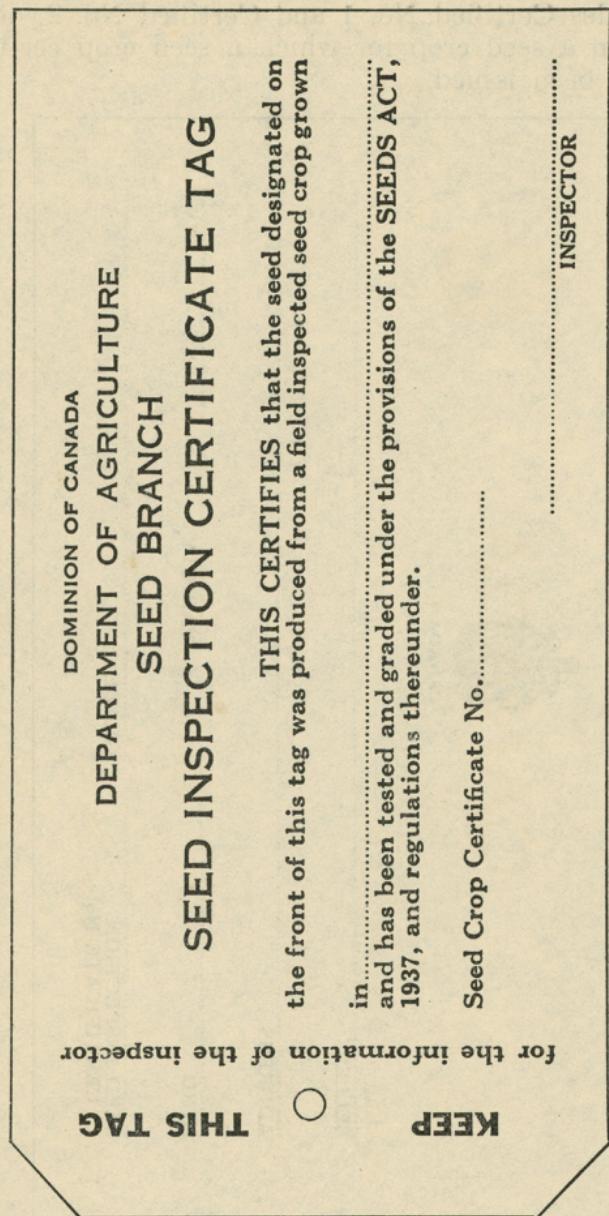
..... INSPECTOR

Back

(a) Facsimile of seed inspection certificate tag for grades Certified No. 1 and Certified No. 2, derived from a seed crop for which a seed crop certificate has been issued.

 <b>CANADA</b>	<input type="radio"/> <b>Front</b>			
	<b>SELLER</b>	<b>ADDRESS</b>	<b>KIND</b>	<b>VARIETY</b>
		<b>GRADE</b>	<b>SEED INSPECTION CERTIFICATE No.</b>	

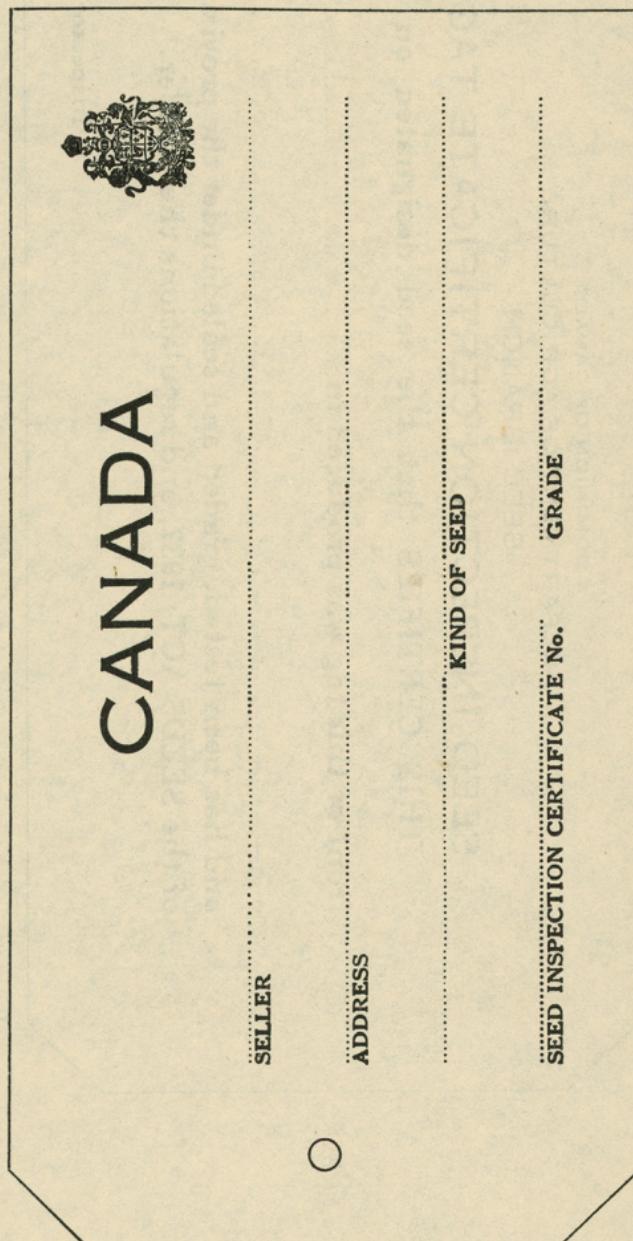
The above tag is printed in black



Back

The above tag is printed in black

- (c) Facsimile of seed inspection certificate tag for grades No. 1 Seed, No. 2 Seed and No. 3 Seed when sealed in containers and certified as to export grade only.



The above tag is printed in green

DOMINION OF CANADA  
DEPARTMENT OF AGRICULTURE  
SEED BRANCH

**SEED INSPECTION CERTIFICATE TAG**

THIS CERTIFIES that the seed designated on the

front of this tag was produced in .....

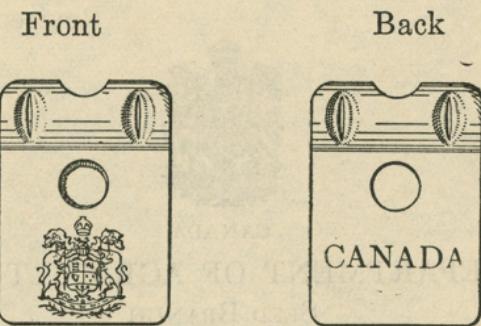
Back

.....  
and has been tested, graded and sealed under the provisions  
of the SEEDS ACT, 1937, and regulations thereunder.

.....  
Inspector

The above tag is printed in green

- (d) Facsimile of seal attached by seed inspector to bag or car container.



The above seal is metal.

- (e) A paper seal with the Arms of Canada and "Canada" printed thereon is attached by a seed inspector to carton boxes or paper packets containing registered and certified grades of seed.

2. Seed crops shall be inspected according to the following methods and standards, viz.:—

- (a) for seed crops for which a crop registration certificate may be issued, in accordance with regulations prescribed by the Canadian Seed Growers' Association; and
- (b) for seed crops for which a seed crop certificate may be issued, in accordance with regulations prescribed by the Minister.

3. The nature of inspection of cleaned seed and of the information that must be available to the seed inspector before a seed inspection certificate may be issued shall be in accordance with instructions of the Minister.

4. In accordance with Section 16 of the Act a grower or dealer may be required to make a statutory declaration in respect to seed presented to an inspector for grading and sealing in containers.

Such statutory declaration shall be in the following form:—

S.B. Form No. 23  
Revised July, 1937.



CANADA

DEPARTMENT OF AGRICULTURE

SEED BRANCH

DECLARATION re SEED

PRESENTED FOR

Inspection, grading, sealing, sale or delivery. In accordance with Section 16 of the Seeds Act, 1937.

DECLARATION OF GROWER

County } ..... Province.....  
Municipality }  
To wit:

I, ..... of .....  
do solemnly declare, that:—

The seed amounting to ..... bushels now presented for inspection, grading, sealing, sale or delivery is wholly the product of the seed crop covered by Crop Registration or Seed Crop Certificate No. .... and that to the best of my knowledge and belief the said seed has not become mixed with seed of any other kind, variety, type or strain.

And I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.

Declared before me

at this ..... }  
of ..... }  
in the Province of ..... }  
this ..... day of ..... 19.. }  
.....

Inspector.

## DECLARATION OF DEALER OR CLEANING PLANT OPERATOR

County } ..... Province.....  
Municipality }

To wit:

I, ..... of ..... P.O. Address

do solemnly declare that:—

The seed amounting to ..... bushels now pre-  
sented for inspection, grading and sealing is wholly the  
seed delivered to me by ..... of .....  
covered by Crop Registration or Seed Crop Certificate  
No. .... and to the best of my knowledge and  
belief the said seed has not become mixed with seed  
of any other kind, variety, type or strain since it came  
under my control.

And I make this solemn declaration conscientiously  
believing it to be true and knowing that it is of the  
same force and effect as if made under oath and by  
virtue of the Canada Evidence Act.

Declared before me

at this .....  
of .....  
in the Province of .....  
this ..... day of ..... 19.. }  
.....

Inspector.

5. *Procedure in taking samples.*—Samples must be  
taken to represent as accurately as possible the bulk lot  
from which they are taken.

- (i) Seeds in bags may be drawn with, —
  - (a) a seed trier, which must be long enough to extend at least twelve inches into the bag, taking approximately equal parts from the top and bottom portions of the bag; or
  - (b) a long sticker, which will extend from the top to the bottom near the centre, or
  - (c) by hand, when bags are partly emptied, so that the bottom can be reached in this manner; or
  - (d) if a bag full or nearly full is to be sampled and no seed trier or sticker is available, the contents may be emptied out and approximately equal parts taken from at least three places in the pile.

(ii) Seed in bulk car lots may be drawn with a long sticker which will extend from the top to the bottom of the seed in the car, taking at least six probes, one from each end of the car, one from each half, midway between the end of the car and side of the door, and one from each side of the door.

(iii) Seed loose in containers may be drawn with a sticker or by hand, as circumstances require, taking approximately equal parts from at least three different parts of the bulk, i.e., from the top, near the middle, and near the bottom.

(iv) When the seeds are in paper packets the whole packet shall be taken.

(v) Samples submitted for a grade under Sections 5 and 10 or for purity and germination tests under Section 6 of the Act, or in compliance with seed importation regulations, should consist of quantities as follows:—

five pounds of cereal grains graded registered and certified, and other grades one pound of cereal grains, beans (field), beets (sugar), corn (field), mangel, sunflower, hemp and vetches,

eight ounces of:—flax lentils, sorghum and Sudan grass,

four ounces of:—alfalfa, brome grass, clovers, crested wheat grass, lespedeza, meadow fescue, millet, rape, reed canary grass, rye grasses, sanfoin and timothy,

two ounces of:—beans (garden), beet (garden), corn (garden), crested dog's tail, fescues (except meadow fescue), meadow foxtail, orchard grass, peas (garden), pumpkin, squash, swiss chard, tall oat grass, vegetable marrow and watermelon,

one ounce of:—Colonial or P.E.I. bent, creeping bent, red top, velvet bent, Canadian blue grass, Kentucky blue grass, Poa triflora, rough stalked meadow, wood meadow grass and turnip,

one-half ounce of:—asparagus, carrot, chicory, citron, cucumber (except green house cucumber), muskmelon, parsley, parsnip, radish, salsify and spinach,

one-quarter ounce of:—artichoke, borecole or kale, broccoli, brussels sprouts, cabbage, chives, cress, endive, kohlrabi, leek, lettuce, mustard, onion, pepper and tomato,

one-eighth ounce of:—cauliflower, celery, celeriac, chervil, egg plant, sage, savory and tobacco, twenty-five seeds of:—greenhouse cucumber.

6. *The number of samples that shall be taken.*—The number of samples to be taken from seed marked Registered No. 1, Registered No. 2, Registered No. 3, Certified No. 1 or Certified No. 2 shall be one from each container, and from No. 1 Seed, No. 1 Mixture, No. 2 Seed, No. 2 Mixture, No. 3 Seed, or No. 3 Mixture shall be one from each container from lots of less than ten and at least ten from lots of less than one hundred containers. For shipments of more than one hundred containers at least ten per cent must be sampled. The samples so taken may be kept separate and given a designation mark, such as a, b, c, etc., which mark should be put on the container from which the samples were taken, or if in the opinion of the person taking the samples the different individual samples drawn are uniform in character, the samples may be thoroughly mixed together to make a composite sample and if desired by the seller, a portion of the composite sample or samples shall be left with the party whose seeds are inspected and sampled.

7. *How official samples shall be forwarded.*—Official samples shall be forwarded in a sealed container, together with a certified statement enclosed, which shall include the name of the person taking the sample, the name and address of the person who sold or offered, exposed or had in his possession for sale the seeds from which the said sample was taken, the manner in which the container was marked, and the section or sections of the Act in violation of which the said seeds were found or suspected to be sold or offered, exposed or had in possession for sale.

8. *How samples shall be kept and by whom.*—They shall be kept in the office of the district supervisor at a Canadian Government seed laboratory. Official samples shall be kept for a period of at least one year from the time the samples were received, and other samples shall be kept for a period of time at the discretion of the district supervisor.

9. *Methods for testing and analysis.*—The methods for testing and making seed analysis shall be those prescribed by the Minister.

10. *Limit of variation between tests.*—The district supervisor may at his discretion confirm within prescribed latitudes for different grades, the original grading of any lot of seed when:—

1. the check test on a lot originally graded on the basis of a control sample indicates to his satisfaction that the sample is from a similar lot of seed to the control sample on which the original certificate was based, that the lot in question was well bulked and that the difference in test was, therefore, due to unavoidable variation in sampling,

2. the check test on a lot covered by a brand name or registration control number issued on the basis of a type sample indicates to his satisfaction that the quality of the seed lot in question conforms as nearly as may reasonably be expected to that represented by the type sample.

In confirming a grade the inspector may not provide a report of the analysis of the second or subsequent samples tested.

## I

### SEED IMPORTATION REGULATIONS

1. *Importation of unsuitable seed prohibited.*—The importation into Canada of any seed to which the Act applies and which may, within the meaning of the Act, be deemed to be unsuitable for seeding or planting, and the seed of red clover or alfalfa that is not coloured in accordance with paragraph 3 hereunder, is hereby prohibited.

2. *What constitutes unsuitable seed.*—Any seed named in paragraph 1 hereof shall be considered unsuitable for seeding purposes if

- (i) it is designated Rejected as defined under section 11 of the Act; or
- (ii) it has not been coloured in the case of red clover or alfalfa as required in paragraph 3 hereof; or
- (iii) it has been refused admittance for seeding purposes into any country for any reason whatsoever, provided that seed grown in Canada may be returned to Canada if refused entry into another country.

*3. Kinds and proportion of seeds to be coloured.*

- (i) Except as provided in sub-paragraphs (iii) or (iv) of this paragraph the importation into Canada of seed of red clover, or any mixture of seed containing 10 per cent or more of the seed of red clover is prohibited, unless at least 1 per cent of the seed in each container is coloured with the colour required by sub-paragraph (ii) hereof;
- (ii) except as provided in sub-paragraphs (iii) or (iv) of this paragraph the seed of red clover, or any mixture of seed containing 10 per cent or more of the seed of red clover grown in Great Britain shall be coloured yellow, the United States navy blue, and such seed grown in any other country or region, green; (The exception providing for the colouring of red clover grown in Great Britain and imported into Canada shall come into effect December 31, 1937.)
- (iii) the importation into Canada of seed of red clover, or any mixture of seed containing 10 per cent or more of the seed of red clover grown in South America, Italy, Africa or part of Turkestan,\* is prohibited unless at least 10 per cent of the seed in each container is coloured red;
- (iv) the importation into Canada of seed of red clover, or any mixture of seed containing 10 per cent or more of the seed of red clover, which is not accompanied by the evidence specified in paragraph 6, is prohibited unless at least 10 per cent of the seed in each container is coloured red;
- (v) the importation into Canada of seed of alfalfa, or any mixture of seed containing 10 per cent or more of the seed of alfalfa, is prohibited unless at least 10 per cent of the seed in each container is coloured red; provided that alfalfa seed grown in any of the states bordering on Canada or in the

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\* The part of Turkestan which will be considered as coming under this restriction shall comprise both Chinese Turkestan and the area formerly known as Russian Turkestan, Russian Turkestan to be considered as that region in Central Asia bounded by the Caspian Sea on the west, by Persia and Afghanistan on the south, by Chinese Turkestan on the east, and by the 45th Parallel, N.L., on the north.

states of Utah, Wyoming or South Dakota, and sealed in the container by officers of the state in which the seed originated, with a certificate attached to each container certifying the origin and that the seed is of the Grimm, Baltic or kindred variegated varieties of alfalfa, may be imported when at least 1 per cent of the seed in each container is coloured navy blue.

*4. Method of colouring seed.*

Colouring matter used shall be in the form of a water-soluble dye of such strength as recommended by the manufacturer for the seed colour prescribed in sub-paragraphs (i), (ii), (iii), and (iv) of paragraph 3. In all cases the dye shall be completely dissolved and immediately used. One to ten per cent of the seed as required shall be completely coloured and mixed thoroughly with the uncoloured seed.

*5. Colouring seed under supervision.*

- (i) The inspector or collector of national revenue under instructions which may be issued by the Minister of Agriculture and the Minister of National Revenue, may provide for colouring under supervision seed required to be coloured under paragraph 3.
- (ii) Seed claimed by the importer to have been coloured, and upon sampling found not to be coloured as required by paragraph 3 may, at the option of the importer, be coloured as provided in sub-paragraph (i) of this paragraph or the shipment may be bulked and thoroughly mixed by the importer and resampled.

*6. Evidence as to country or region where seed was grown.*

- (i) A certificate issued from an official seed testing station (see page 58 for approved stations), certifying the country or region where seed of red clover or any mixture of seed containing 10 per cent or more of the seed of red clover was grown, must be attached to the invoice of each shipment.
- (ii) If the certificate of an official seed testing station is not attached to the invoice of each shipment of seed showing the country or region of origin

of the seed of red clover or any mixture of seed containing 10 per cent or more of the seed of red clover, other evidence may be submitted to show such fact, or the seed may be allowed entry in compliance with subparagraph (iv) of paragraph 3 hereof.

*7. Inspectors under the Act, or collectors of national revenue to take samples.*

Inspectors or collectors of national revenue under instructions which may be issued by the Minister of Agriculture and the Minister of National Revenue shall draw and forward to a Canadian Government seed laboratory for examination, samples of seed named in paragraph 1 hereof which are entered for the purpose of seeding in Canada.

*8. Delivery on examination or in bond.*—Except as provided by paragraph 9 hereof, seed offered for importation into Canada from any country, after samples of each lot have been taken for examination, shall be admitted only after the samples have been examined and pronounced suitable for seeding purposes within the terms of these regulations, provided however, that inspectors or collectors of national revenue may deliver shipments to consignees when sampled, on the execution of a bond in a sum equivalent to the invoice value of the seed, together with the duty thereon, if any, conditional upon the seed being kept separate and intact by the importer and delivery of the shipments or any part thereof made to the inspector or collector when demanded by him for any reason.

*9. Delivery without examination or bond.*—The collectors of national revenue may, after taking a sample for test, deliver shipments of seed to consignees without further examination or bond,—

- (i) when invoices or containers of field root and garden vegetable seeds are accompanied by a certificate or marked with a certificate number issued by an official seed testing station approved by the Minister (see page 58 for approved stations), showing the percentage germination and the proportion of weed seeds to conform to the minimum standards required for the kind of seed or when

the germination is below such minimum standards the containers are marked or labelled in accordance with the provisions of section 6 of the Act. The certificates of approved official seed testing stations, showing the test numbers as marked on the invoices or containers must be forwarded direct to the Seed Commissioner, Department of Agriculture, Ottawa, or

- (ii) when the invoices or containers,
  - (a) of seed imported under grade are marked with the name of the grade of seed and the serial number of a control sample certificate issued from a Canadian seed inspection office;
  - (b) of field root and garden vegetable seeds not imported under grade are marked with the serial number of the control sample certificate issued from a Canadian seed inspection office, and the percentage germination when such germination is below the minimum standards of germination prescribed for grade No. 3 under table 14 of these regulations.
- (iii) when the seed of red clover or alfalfa or any mixture of seed of red clover and/or alfalfa are coloured in accordance with the provisions of paragraph 3 hereof, and the invoices for such seed are accompanied by a certificate as required by paragraph 6 hereof.

The privilege hereby extended of delivering seed without examination or bond may be withdrawn at any time by the Minister if the imported seed does not, within the limits of reasonable variation, conform to the control sample that is held by the official seed testing station which issued the certificate that is attached to the invoice or container, as required by paragraph 6 hereof is found to be incorrect.

**10. Release of seed as imported.**—If examination of the sample submitted shows that any lot of seed is suitable for seeding purposes under the terms of these regulations the collector of national revenue, when so informed, shall no longer detain the shipment, and the bonds if any, given pursuant to paragraph 8 shall be cancelled.

**11. Refusal of Importer.**—If seed held in bond is found on examination of a sample submitted, to grade lower than the grade marked on the container or invoice, and the importer refuses acceptance of the shipment; or if the seed is found to be unsuitable for seeding purposes and the importer refuses to reclean and/or colour any shipment of seed which is found not to comply with the provisions of these regulations, the collector of national revenue when so informed, shall require the seed to be deported under customs supervision.

**12. Cleaning, labelling and/or colouring seed under bond.**—If the importer desires to reclean, label and/or colour seed found to be unsuitable for seeding purposes within the terms of these regulations, the collector of national revenue when so informed, may permit the recleaning, labelling and/or colouring of such seed under bond at the expense of the importer in accordance with paragraphs 5, 13 and 14 hereof, excepting such seed as is refused admittance into any other country.

**13. Recleaned and/or coloured seed to be sampled.**—The inspector or collector of national revenue shall draw and forward to a Canadian Government seed laboratory samples of recleaned and/or coloured seed under bond, for further tests.

**14. Release of recleaned, labelled and/or coloured seed.**—If the examination of the sample submitted shows that the recleaned, labelled and/or coloured seed under bond is suitable for seeding purposes under these regulations, such seed may be released to the owner or consignee.

**15. Recleaned unsuitable seed to be deported.**—If the examination of the sample submitted shows that the recleaned seed is not suitable for seeding purposes within the terms of these regulations, the collector of national revenue when so informed, shall require the shipment to be deported under customs supervision.

**16. Mixing unsuitable shipments with other seed prohibited.**—Mixing any seed with a lot or shipment of imported seed which has been found to be unsuitable for seeding purposes within the terms of these regulations is prohibited.

17. *Notice of removal from port of entry.*—The collector of national revenue shall notify the district supervisor whenever seed which has been sampled under the regulations is moved from one port of entry to another before being finally released.

18. *Disposition of detained shipments to be reported.*—The collectors of national revenue shall inform the district supervisor of the disposition made of every shipment detained under these regulations.

19. *Reporting.*—The reports of analyses or grade for samples taken by inspectors or collectors of national revenue of imported seed will be made to the importer upon request and payment of one-half of the usual fees for seed testing.

## J

### EXPORT GRADES

#### DEFINITION OF EXPORT GRADES

The minimum quality for seed that may be sold under the export grade names prescribed under section 10, paragraph (d) of the Act shall

- (1) be the same as prescribed under section A. Definition of Grades,
- (2) be free from dodder and contain not more than the maximum percentage of prescribed injurious weed seeds, and
- (3) be not lower than the minimum standards set forth in the following tables.

TABLE A

Kind of Seed	Minimum percentage kind of seed	Maximum percentage prescribed injurious weed seeds by number	Maximum percentage other cultivated seeds, including yellow trefoil	Minimum percentage germination	Minimum percentage pure living seed
Alfalfa; alsike; bromegrass; Canadian blue grass; Colonial or P.E.I. bent; creeping bent, creeping red fescue; crested wheat grass; red clover; slender wheat grass; sweet clover; timothy; velvet bent			Alfalfa; alsike; red clover; sweet clover; timothy		Brome; Canadian blue grass; crested wheat grass; Colonial or P.E.I. bent, creeping, bent; creeping red fescue; slender wheat grass; velvet bent
<i>Grades</i>					
Registered No. 1.....			1-10 of 1 p.c.	80	75
Registered No. 2.....			1-5 of 1 p.c.	70	65
Registered No. 3.....			1 p.c.	60	55
Certified No. 1.....					
Certified No. 2.....					
No. 1 Seed.....	98		1		
No. 2 Seed.....	94		4		
No. 3 Seed.....	90		7		

Standards for these grades are defined under Tables 4, 5, 8, pages 20, 21, 25 of these regulations.

TABLE B

Kind of Seed	Minimum percentage kind of seed	Maximum percentage prescribed injurious weed seeds by number	Maximum percentage other cultivated seeds	Minimum percentage germination	Minimum percentage pure living seed
				Barley; oats; rye; wheat	Flax
<i>Grades</i>					
Registered No. 1...					
Registered No. 2...					
Registered No. 3...					
Certified No. 1.....					
Certified No. 2.....					
No. 1 Seed.....	98.5	1-10 of 1 p.c.	1	90	80
No. 2 Seed.....	97	1-5 of 1 p.c.	2	85	75
No. 3 Seed.....	95	1 p.c.	3	80	70

The prescribed injurious weed seeds for the purpose of these export grades shall be: Docks and sorrels (*Rumex* spp.), cranesbills (*Geranium* spp.), wild carrot (*Daucus carota* L.), Yorkshire fog (*Holcus lanatus* L.), soft brome grass (*Bromus mollis* L. et spp.).

Seed shipments covered by export grades and for which seed inspection certificates are given will be sampled, graded and sealed by an inspector appointed under the Act.

#### OFFICIAL SEED TESTING STATIONS APPROVED TO ISSUE

Certificates in connection with the Canadian Seed Importation Regulations, subparagraph (1) of paragraph 6 and subparagraphs (i) and (ii) of paragraph 9, shall be those laboratories which hold membership in the International Seed Testing Association or in the Association of Official Seed Analysts of North America, or commercial seed testing laboratories which are fully Government licensed.

#### K

The regulations in respect to the detention of seed as provided under section 19 of the Act shall be:—

- (a) The inspector shall seal and attach to each container of seed detained a detention tag which

shall not be removed by the owner until the provisions of the Act and regulations are complied with.

- (b) The inspector shall take official samples of detained seed suspected of being offered for sale contrary to the provisions of sections 9 and 11 of the Act.
- (c) The inspector shall notify in writing the owner of each container of seed detained.
- (d) The owner may reclean any detained seed under supervision of the inspector. The inspector shall be notified of the place and date where such seed is being recleaned to comply with the Act.
- (e) The inspector shall notify in writing the owner of each lot of seed that may be released from detention when the provisions of the Act are complied with.

## L

### FEES FOR INSPECTION OF SEED CROPS, AND SEED INSPECTION CERTIFICATES

#### SEED CROP INSPECTION

10 cents per acre, with a minimum charge of \$2 per inspection visit, except field root and garden vegetable seed crops, which shall be free.

To groups of not less than ten farmers in a seed production centre, producing the same kind of seed, the fees for inspection may be reduced to not less than the actual cost of the service.

#### SEED, GRADING AND SEALING

*Cereal Seed*— Per bus.

At central cleaning plant.....	$\frac{1}{2}$ cent
At grower's premises.....	1 "

*Flax* ..... 2 cents

A minimum charge of \$5 will apply for each car lot of cereal seed when such charge covers the cost of inspection service.

*Alfalfa, clovers, grasses and tobacco*— Per cwt.

At central cleaning plant.....	10 cents
At grower's premises.....	15 "

A minimum charge of \$10 will apply for each car lot of forage crop seed when such charge covers the cost of inspection service.

A minimum charge of \$2 for seed inspection will apply for each inspection visit at each grower's premises, central cleaning plant or wholesale seed house.

Application for the above service should be made to the district supervisor for the territory. *See page 68.*

FEES FOR SEED TESTING AND CONTROL SAMPLE CERTIFICATES

A Control Sample Certificate of grade based on purity test only or percentage pure seed export test .....	\$0 50
A Control Sample Certificate of grade based on purity and germination or pure living seed tests .....	1 00
Germination or pure living seed test.....	50
Germination or pure living seed test on customs sample when certificate provided importer.	25
Purity test on customs sample when certificate provided importer .....	25
A Control Sample Certificate of grade for a mixture when the sample is accompanied by a statement giving the kinds and percentages of seed named in the mixture, with Control Sample Certificate numbers for each kind of seed previously tested..	50
If unaccompanied by such statement and graded under Table 7—50 cents for each kind of seed named in the mixture.	
If unaccompanied by such statement and graded under Table 11—\$1 for each kind of seed named in the mixture.	
With the exception of mixtures the above charges will apply to all samples excepting the first three, which will be tested free for any person or firm, in one Seed Branch year, July 1 to June 30.	
Registration Control Number Certificate....	\$5 00
Postage must be paid by the sender on samples forwarded to the district supervisors at Sackville, Montreal, Toronto, Winnipeg, Saskatoon, Calgary or Vancouver, and to Ottawa on samples exceeding sixteen ounces in weight.	

## APPENDIX "A"

\*Denotes varieties licensed under the Seeds Act.

\*\*Denotes varieties eligible for registration.

## BARLEY

*Burbank Hulless (6)	Mensury Macdonald
**Canadian Thorpe (2-awned)	3207 (6)
**Charlottetown No. 80 (2) Chevalier (2-awned)	*Newall (6)
*-**Colsess (6-hooded)	*-**Nobarb (6)
**Duckbill (2-awned) Early Chevalier Ottawa 51 (2-awned)	**O.A.C. 21 (6)
*Glabron (6-smooth awned) Gold (2-awned)	*Olli (6)
**Hannchen (2-awned) Himalayan Ottawa 59 (6-awned-hulless)	*Peatland (6-awned)
**Manchurian (6)	*Plumage-Archer (2-awned)
**Mensury (6)	*-**Regal (6-smooth awned)
NOTE.—Beardless is Hooded. Barbless is Smooth.	*Rex
	Success (6-hooded)
	*-**Trebi (6-awned)
	*-**Velvet (6-smooth awned)
	*Wisconsin No. 38 (6-smooth awned)

## BEANS

Beauty Ottawa 712	Navy Ottawa 711
Bliss American Wonder	**Norwegian Brown
Boston Early Navy	Ottawa 710
**Burbank	Red Kidney
California Pea Bean	Red Mexican
Carleton Ottawa 718	**Robust
Early Marrowfat	Royal Dwarf Kidney
Early Yellow Six Weeks	Sulphur or Golden Dwarf
Great Northern	*Winter Horse
*Gohn Rainy River (1200-1 Impr.)	White Kidney
Hidatsa	White Marrowfat
Imperial or Prolific Tree	White Navy
Improved Yellow Eye	White Wonder
Lady Washington	Yellow California
Large White Ottawa 713	Yellow Eye
	Yellow Six Weeks

## BEANS—SOY

**A.K. (Harrow)	**Mandarin (Ottawa)
Black Eyebrow	**Manitoba Brown
Ito San	*-**O.A.C. 211
*-**Kabott	Ste. Anne No. 92
Manchu	*Wisconsin Black

## BUCKWHEAT

Black Japanese	Rye or Rough
Common	Silver Hull
Prolific	Tartarian

## EMMER AND SPELT

Champion  
Double Emmer

Early Emmer Ottawa 44  
Smooth Spelt

## FLAX

\*-\*\*Bison  
\*Buda  
\*\*Crown  
Diadem  
Golden

\*\*Longstem Ottawa 52  
Novelty Ottawa 53  
\*\*Premost  
\*\_-\*\*Redwing  
\*Winona

## FLAX-FIBRE

Cirrus  
Dutch Blue  
\*J.W.S.  
Liral Crown  
Liral Dominion

Liral Monarch  
Riga Blue  
Riga White  
Stormont Gossamer

## HEMP

Chington  
Minnesota No. 8

Racolta

## OATS

\*Anthony  
\*\*Abundance  
\*\*Alaska  
\*\*Banner  
Black Tartarian  
Bumper King  
\*\_-\*\*Cartier  
Cornellian  
\*Eagle  
Early Miller  
Early Yielder  
\*Empire  
\*\*Erban  
\*\*Gold Rain  
\*\_-\*\*Gopher  
Granary Filler  
Green Russian  
\*Ithacan

\*Iowar  
Joanette Black  
Laurel  
Leader  
\*\_-\*\*Legacy  
Liberty  
Ligowa  
Mammoth Cluster  
\*Marvellous  
\*New Era  
\*\*O.A.C. No. 3  
\*\*O.A.C. No. 72  
\*\_-\*\*O.A.C. No. 144  
Old Island Black  
Sixty Day  
\*\_-\*\*Vanguard  
\*\*Victory  
\*White Cross No. 19

## PEAS

\*\*Arthur  
Black-eyed Marrowfat  
Blue Bell  
Brittany  
Canada Field  
Canadian Beauty  
Cartier Ottawa 19  
Champlain Ottawa 32  
\*\*Chancellor  
\*Dashaway  
\*\*Early Blue Ottawa 21  
Early Raymond

\*\*Golden Vine  
Green Wrinkled  
Guinevere  
\*Idabell  
Japanese Sweet Wrinkled  
\*\*Mackay  
Maple (Partridge)  
\*\_-\*\*O.A.C. No. 181  
Prussian Blue  
Solo  
\*Stirling  
White Marrowfat

## RYE

(*Spring*)—  
O.A.C. 61  
\*\*Prolific

Select Ottawa 12

(*Winter*)—  
\*\*Dakold  
Rosen

Storm  
Wisconsin 1219

## WHEAT

(*Durum*)—  
Acme  
\*Golden Ball  
Goose

Kubanka  
\*\*Mindum  
\*—\*\*Pelissier

(*Spring*)—  
\*—\*\*Apex  
Aurore  
\*\*Bluestem  
\*Canus  
\*—\*\*Ceres  
Colorado Bearded  
(Thick set)  
\*\*Early Red Fife  
Early Triumph  
\*\*Garnet  
\*\*Huron  
Kitchener  
\*\*Marquis

\*O.A.C. No. 85  
Prelude  
\*—\*\*Red Bobs No. 222  
\*\*Red Fife  
\*Renfrew  
\*—\*\*Reliance  
\*—\*\*Renown  
\*\*Reward  
Ruby  
\*—\*\*Thatcher  
White Fife  
\*\*White Russian

(*Winter*)—  
Abundance  
\*\*Dawson Golden Chaff  
Dawson Golden Chaff  
(O.A.C. No. 61)  
Egyptian Amber  
\*Forward  
Imperial Amber  
Junior No. 6  
(Gold Coin)

Jones Fife (Trail Fife)  
Kanred  
Kharkov  
\*\*Kharkov 22 M.C.  
\*Michikoff  
Nigger  
\*\*O.A.C. 104  
\*—\*\*Sun  
Turkey Red

## POTATOES

Stuart's Group Classification for American Varieties.  
Salaman's Classification for European Varieties.

IRISH COBBLER GROUP—  
Irish Cobbler  
Eureka Extra Early

Irish Cobbler, (White  
Blossom Mutation)

TRIUMPH GROUP—  
Bliss Triumph

EARLY OHIO GROUP—  
Early Ohio  
Extra Early Burpee

Early Six Weeks

POTATOES (*Continued*)

## EARLY ROSE GROUP—

Early Rose  
Clark No. 1  
Early Sunrise

Early Vermont  
Spalding Rose

## HEBRON GROUP—

Beauty of Hebron

Early Bovee

## PEACHBLOW GROUP—

Peachblow

## GREEN MOUNTAIN GROUP—

Green Mountain  
Carman No. 1  
Gold Coin

Pioneer Pride  
Wee MacGregor  
Empire State (Long type)

## SMOOTH BURBANK GROUP—

American Wonder  
Burbank

Money Maker

## RUSSET BURBANK GROUP—

Russet Burbank  
Netted Gem  
Idaho Russet

Netted Gem (Whyte  
Improved)

## RURAL NEW YORKER GROUP—

Rural New Yorker  
Dooley  
Carman No. 3

Rural Russet  
Sir Walter Raleigh

## LICENSED VARIETIES UNDER THE ACT—

\*British Queen  
\*Chippawa  
\*Confederation

\*Early Norfolk  
\*McLellan Seedling  
\*White Jewel

## MISCELLANEOUS—UNCLASSIFIED—

(Names in brackets in this particular group denote varieties having *some* similar characteristics)

Clark No. 3  
Clinton  
Columbia Russet (Green  
Mountain)  
Cream of the Field  
Dakota Red  
Early St. George  
Everitt—Medium Early  
Light Red Netted

Garnet Chili  
Gold Nugget (Irish  
Cobbler)  
Katahdin (Rural)  
McLellan Seedling  
Pingree (Green Mountain)  
Prairie Flower

Snowflake. A medium season, elongated, symmetrical white potato, yellow eyes. (Early Rose X Peachblow).  
Warba. New tested American origination. Extra early.  
White with pink eyes. Round and blocky.

POTATOES (*Concluded*)

## EUROPEAN VARIETIES—

Variety	Group
Arran Victory	
Black Prince (Black, dark flesh)	Lady Llewellyn (Sir John Llewellyn)
British Queen (British Queen)	Never Rot (President)
Early Favourite, " Carter " (Sharpe Express)	President (President)
Epicure Early (Epicure)	Superlative
Field Marshall	Sutton Reliance (White Kidney, White flesh)
Great Scot (Great Scot)	Sunrise (British Queen)
King Edward (King Edward VII)	Up-to-date (Up-to-Date)
	Windsor Castle

## FORAGE CROPS

## ALFALFA—

## Variegated—

Baltic

Cossack

\*\*Grimm

Hardigan

\*Ladak

MacSel

\*\*Ontario Variegated

## Yellow Flowered—

Siberian

Semi Palatinsk

## Violet—

Turkestan

## CLOVERS—

## Red—double cut or early

\*—\*\*Dollard

Double cut hairy

Double cut smooth

## Single cut or late

\*\*Altaswede

\*\*Manhardy

Mammoth

Medium

Montgomery

\*—\*\*Ottawa

Siberian

Swedish late

## White—Sweet clover

Albotrea

\*—\*\*Alpha

\*\*Arctic

Grundy County

## Yellow—

\*Aura

\*Erector

\*Zouave

## Wild—White Clover—

English wild white

Kentish wild white

New Zealand wild white

Scottish wild white

## White—

Ladino or Mammoth

White Dutch

## Danish—

Morso

Stryno

FORAGE CROPS—*Continued*

## CORN—

- \*Algonquin (Hybrid)
- Angel of Midnight (Flint)
- Assiniboine (Flint)
- Bailey (Dent)
- Bloody Butcher
- Burleigh (Mixed Flint)
- Burr Leaming (Dent)
- Canada Lellow (Flint)
- Champion White Pearl (Dent)
- Compton Early (Flint)
- Cuban Giant (Dent)
- Dakota White Flint
- \*\*Dakota White Flint (Maple Creek)
- Early Eureka (Dent)
- Early Mastodon (Dent)
- Evergreen Sweet Fodder
- Excelsior (Dent)
- Eureka White Dent
- Etxra Early Huron Dent
- Falconer (Flinty-Dent)
- Genesee Valley (Flint)
- Gehu (Flint)
- \*\*Gehu (Maple Creek)
- Giant Prolific Sweet Ensilage (Dent)
- Giant Southern White (Dent)
- Giant White Ensilage (Dent)
- Gold Nugget (Flint)
- Golden Glow (Dent)
- Howe Alberta (Flint)
- Improved Leaming (Dent)
- Improved Squaw (Flint)
- \*Iroquois (Hybrid)
- King Phillip (Flint)
- Lancaster (Dent)
- Leaming Fodder (Dent)
- \*\*Longfellow (Flint)
- \*McRorie (Dent)
- \*—\*\*Manalta (Flint)
- Mammoth Southern Sweet (Dent)
- Manitoba Flint
- Minnesota Extra Early (Dent)
- Minnesota No. 13 (Dent)
- \*\*Minnesota (No. 13) (Worthy)
- \*Minnesota No. 23 (Dent)
- \*\*Minnesota No. 23 (Colquhoun)
- North Dakota White Flint
- Northwestern Dent
- \*\*Northwestern Dent (Lethbridge)
- Northwestern Dent M.C.
- Pride of Nishna (Dent)
- Pride of the North (Dent)
- \*\*Quebec No. 28 (D.R.E.S.)
- \*\*Quebec No. 28 M.C. (Flint)
- Queen of Nishna (Dent)
- Rainbow Flint
- Red Cob (Dent)
- Reid Yellow Dent
- \*Rustler (Dent)
- \*Rutherford (Flint)
- \*—\*\*Salzers (Flint)
- Salzers North Dakota (Flint)
- Sanford White Flint
- \*—\*\*Saskatchewan White Flint
- \*\*Silver King (Winconsin No. 7) (Dent)
- Smoky Dent
- Smutnose or Red Blaze (Flint)
- Squaw (Flint)
- Sure Crop (Dent)
- Sweepstakes (Dent)
- Twitchell Pride (Flint)
- \*\*White Cap Yellow Dent (Newman)
- White Squaw (Flint)
- XXX Yellow (Dent)

## GRASSES—

*Brome Grass—*

\*—\*\*Parkland

*Crested Wheat Grass—*

\*—\*\*Fairway

\*—\*\*Superior

FORAGE CROPS—*Concluded*GRASSES—*Concluded**Orchard Grass—*

*Avon	Skandia (Swedish)
Olsgaard (Danish)	

*Reed Canary Grass—*

Aqua

*Rye Grass—*

Italian	Pacey Perennial
---------	-----------------

*Slender Wheat Grass (Western rye grass)—*

*Fyra	*—**Mecca Sask. 8
Grazier	

*Timothy—*

Boon	*Milton
*Dural	*Montcalm
Gloria	*—**Swallow

## MILLET—

*Foxtail—*

Common	Japanese
*—**Empire	Siberian
Hungarian	

*Proso—*

*—**Crown	Golden
Early Fortune	Hog

## RAPE—

Dwarf Essex

## SUGAR CANE—

Early Amber

## SUNFLOWER—

Early Ottawa 76	Manchurian
Giant Russian	Mennonite
Mammoth White	

## LAWN OR TURF GRASSES—

*Bent Grasses—*

Colonial or P.E.I. Bent	Red top
Creeping	Velvet

*Blue Grasses—*

Canadian	Rough-stalked
Kentucky	meadow
	Wood Meadow

*Fescues—*

Red	Creeping
Chewing	

*Sheep*

Fine-leaved	Hard
-------------	------

*Meadow*

*Sturdy	Tall
---------	------

*Various Leaved*

**PRODUCTION SERVICES—PLANT PRODUCTS  
OFFICERS AND INSPECTORS**

Designated as Inspectors and Official Analysts to carry out the provisions of The Seeds Act

NELSON YOUNG, Seed Commissioner, Ottawa.

CARL SWEET, Chief, Seed Division, Ottawa.

T. D. C. HAMILTON, Chief Seed Grader, Seed Division, Ottawa.

W. H. WRIGHT, Chief Laboratory Services, Ottawa.

District Officers	Territory	Address
GARNET LELACHEUR, District Supervisor.	Maritime Provinces.....	Box 220, Sackville, N.B.
A. HOPE, Official Analyst.		
JULES SIMARD, Dis- trict Supervisor....	Quebec, except counties	
Dr. J. A. PEPIN, of Wright and Pontiac..	Dominion Seed Supervising Analyst.	Branch. 503 Customs Bldg., Montreal, Que.
J. W. MACKAY, Dis- trict Supervisor....	Eastern and northern	
G. A. ELLIOTT, Official Analyst.	Ontario east of Lake Nipigon and east of but not the counties of Ontario, York, Simcoe, Muskoka, Parry Sound and also the counties of Hull, Wright and Pontiac in the Prov- ince of Quebec.....	332 Jackson Build- ing, Ottawa.
W. J. W. LENNOX, District Supervisor.	Southwestern Ontario as far east and north as and including the counties of Ontario, York, Simcoe, Muskoka and Parry Sound..	86 Collier St., Toronto, 5, Ont.
J. E. BLAKEMAN, Dis- trict Supervisor....	Manitoba and that part	
A. C. HEISE, Official Analyst.	of Ontario west of Lake Nipigon.....	730 Dominion Public Building, Winnipeg, Man.
T. W. L. BURKE, District Supervisor.		
JOHN NOBLE, Official Analyst.		
FRANK FOULDS, Dis- trict Supervisor....	Saskatchewan.....	523 Federal Bldg., Saskatoon, Sask.
BOWER F. FORWARD, Official Analyst.		
G. M. STEWART, Dis- trict Supervisor....	Alberta.....	Immigration Bldg., Calgary, Alta.
CECIL TAPP, Official Analyst.	British Columbia.....	Postal Station "C," Vancouver, B.C.

and Inspectors holding certificates of appointment as  
Seed and Feed Inspector



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