

NEW YORK CERTIFIED SEED GROWERS' COOPERATIVE, INC.
(CERTIFYING AGENCY)

cooperating with
NEW YORK STATE COLLEGE OF AGRICULTURE
NEW YORK STATE DEPARTMENT OF AGRICULTURE & MARKETS
NEW YORK STATE EXPERIMENT STATION (GENEVA)

1951

BIRDSFOOT TREFOIL SEED CERTIFICATION STANDARDS

I. Application and Amplification of General Certification Standards

1. The General Seed Certification Standards as adopted by the New York Certified Seed Growers' Cooperative, Inc. are basic and together with the following specific standards constitute the standards for certification of Birdsfoot trefoil.

2. Section E of the General Standards is amplified as follows to apply specifically to Birdsfoot trefoil seed:

Section E - Classes and Sources of Certified Seed

- (1) The region of adaptation of Empire and Viking Birdsfoot trefoil shall be New York State and all other states and portions thereof located between the Canadian boundary and the 40th parallel except in the extreme West where the southern boundary shall be the California-Oregon state line.
- (2) When a variety is grown outside its designated region of adaptation, certification shall be limited to one generation from Foundation or Registered seed. The class thus produced shall be the Certified class.
- (3) Starting with plantings made in 1951 and when a variety is grown within its area of adaptation (New York State), certification shall be limited to two generations of increase from Foundation seed. The two generations shall be (1) Registered and (2) Certified. Certification is limited to one generation increase from Registered seed which shall be the Certified seed class. Fields planted with Certified seed shall not be eligible for the growing of Certified seed.

It is understood that this requirement does not affect the eligibility of fields declared by the College Seed Committee and the Certifying Agency to be eligible for certification prior to and including 1951.

II. Land Requirements

1. Foundation seed for the production of Registered seed shall be planted on land on which no Birdsfoot trefoil except the same variety and class of Certified seed was grown or planted during the five years prior to the one in which the present stand was planted. During one of the intervening years, the land shall have been in a cultivated crop and the land shall be free from volunteer plants.
2. Registered or Foundation seed for the production of Certified seed shall be planted on land on which no Birdsfoot trefoil, except seed of the

same variety which is eligible for certification, has been grown or planted during the three years prior to the one in which the present stand was planted. During one of the intervening years the land shall have been in a cultivated crop and the land must be free from volunteer plants.

III. Field Inspection

1. An inspection will be made when the variety is identifiable and before harvesting.
2. Each grower shall cause to be on file with the Manager's office of the Certifying Agency a farm map showing separate fields, properly identified, together with a record of each field, showing date of planting, seed used, and other pertinent information for fields previously inspected. For fields not previously inspected, the five-year history previous to planting shall be given. Each grower must keep a duplicate up-to-date farm map showing separate seed fields as a guide to proper identification for certification purposes and chronological history of the field. The grower's copy shall be made available to the inspector. The grower's copy of the farm map must be kept up to date as new seed fields are added or abandoned. Such information with proper "sketches of fields" shall also be transmitted to the Manager's office.

IV. Field Standards

1. General

- (1) A seed field shall be considered the unit for certification. A strip at least five feet in width and which is mowed, uncropped or planted to some crop other than the kind in question shall constitute a field boundary.
- (2) Isolation requirements

All fields used for the production of Foundation, Registered, or Certified seed must be isolated from other strains not meeting purity requirements for Certified seed of the same species in accordance with the distances listed below:

<u>CLASS</u>	<u>FIELDS OF LESS THAN 5 ACRES</u>	<u>FIELDS OF 5 ACRES OR MORE</u>
Foundation	80 rods	80 rods
Registered	40 "	40 "
Certified	20 "	10 "
Different generation of same variety	10 "	10 "

(3) Volunteer plants shall be cause for rejection or reclassification of a seed field.

(4) Seed fields outside the region of adaptation

Certification of seed fields outside the region of adaptation of a variety shall be limited to stands not exceeding 6 years of age.

2. Specific Requirements

Factor	Maximum Permitted in Each Class		
	Foundation	Registered	Certified
*Other varieties	0.1%	0.25%	0.5%
Sweet clover	none	none	80 per Acre

* Other varieties shall be considered to include off-type plants and plants that can be differentiated from the variety that is being inspected.

V. Seed Standards

Factor	Class of Seed		
	Foundation	Registered	Certified (2)
Pure seed (minimum)	98.00%	98.00%	98.00%
Weed seeds (maximum)	0.25%	0.25%	0.50%
Total objectionable weeds (1)	0	0	18 per lb.
Inert matter (maximum)	1.00%	1.00%	1.00%
Other crop seeds (maximum)	0.1%	0.25%	2.00%
Sweet clover	0	0	45 per lb.
Germination (minimum)	45.00%	45.00%	45.00%
Total germination (inc. hard seed) ...	85.00%	85.00%	85.00%

(1) Objectionable weeds are: docks (Rumex spp.), and bedstraw (Galium spp.); quack grass (Agropyron repens), wild mustard (Brassica arvensis), and other wild Brassica species; Canada thistle (Cirsium arvense), crab grass (Digitaria spp.). Birdsfoot trefoil shall be free of seeds of dodder (Cuscuta spp.). Foundation and Registered Birdsfoot trefoil shall be free of buckhorn (Plantago lanceolata).

(2) Seed meeting all the requirements for certification except as to purity, amount of other crop seeds and/or germination may be designated as "Certified Substandard" providing:

- The purity is not below 97%, and
- The amount of other crop seeds does not exceed 3%, and/or
- The normal-test-period germination is not less than 40%.