

# C R O W N V E T C H

## I. Classes of Seed Eligible for Certification

### Eligible Varieties:

Emerald  
Chemung, Penngift

### Eligible Classes of Seed:

Foundation, Registered, Certified  
Foundation, Certified

A. **Foundation Seed** is produced by sowing breeder seed. A field sown with breeder seed may be harvested for foundation seed production two years immediately following the seeding years.

B. **Registered Seed** is produced by sowing foundation seed. A field sown with foundation seed may be harvested for registered seed production three years immediately following the seeding year.

C. **Certified Seed** is produced by sowing foundation or registered seed. Fields sown with foundation or registered seed are eligible to produce certified seed as long as the stand remains and provided inspection is made one out of every three years. Fields sown with certified seed cannot be certified.

## II. Application for Certification

A map of each field producing certified seed (ASCS or SCS map will suffice) showing field boundaries must be supplied with the application for field inspection when certification of each field is requested for the first time. Each field shall be assigned a permanent field number of the map, and that same field number will be entered subsequently on all field inspection reports.

## III. Land History Requirements

A crop of the same kind must not have been grown or planted on the land for five years prior to stand establishment for the production of foundation seed, three years for registered and two years for certified.

The land must be free of volunteer plants of Crownvetch during the year immediately prior to establishment. No manure or other contaminating material shall be applied the year previous to seeding or during the establishment and productive life of the stand.

#### IV. **Field Standards**

##### A. **Field Inspection**

1. Seed fields shall be inspected at least once prior to harvest, preferably at full bloom.

2. If a field is harvested before field inspection, then it automatically becomes ineligible for certification.

**B. Isolation** – Fields used for the production of registered and certified seed must be isolated from other varieties or strains of Crownvetch or fields of the same variety not meeting varietal purity requirements for certification in accordance with the distance listed below. Distance between fields of certified classes of the same variety may be reduced to 10 feet, regardless of class or size of the field.

Class	Minimum Isolation Distance	
	Field < 5 Acres	Field = 5+ Acres
Foundation	900 Feet	600 Feet
Registered	660 Feet	330 Feet
Certified	330 Feet	165 Feet

##### C. **Specific Requirements**

Factor	Maximum Permitted		
	Foundation	Registered	Certified
Varietal Mixture	0.10% (1:1000)	0.25% (1: 400)	1.00% (1:100)
Sweet Clover (seed bearing) plants/acre	None	None	80

## V. Seed Standards

Factor	Class of Seed		
	Foundation	Registered	Certified
Pure Seed (minimum)	95.00%	95.00%	95.00%
Inert Matter (maximum)	5.00%	5.00%	5.00%
Other Crop Seed (maximum)	0.10%	0.10%	1.00%
Other Varieties (maximum)	0.10%	0.25%	1.00%
Sweet Clover Seed	None	25 per lb	90 per lb
Total Weed Seed (maximum)*	0.10%	0.20%	0.50%
Objectionable Weed Seed (maximum)**	27 per lb	45 per lb	90 per lb
Germination & Hard Seed (minimum)	65.00%	65.00%	65.00%
Germinable Seed (minimum)	35.00%	35.00%	35.00%

\* The laboratory is requested to give a count on all permitted weed seed per pound when present, as well as noxious Bromus species. The increased cost of this count may be included in the statement of charges for laboratory tests.

\*\* Seeds of certain OBJECTIONABLE WEEDS are prohibited, while others are limited to the maximum amount (singly or in combination) listed in the above table.

### Prohibited Objectionable Weed Seed

Canada thistle (Cirsium arvense)	Dogbane (Apocynum spp.)
Johnsongrass (Sorghum halepense)	Knapweed (Centaurea spp.)
Quackgrass (Agropyron repens)	Horse nettle (Solanum carolinense)
Perennial sowthistle (Sonchus arvensis)	Wild garlic (Allium vineale)
Dodder (Cuscuta spp.)	Field bindweed (Convolvulus arvensis)
Oxeye daisy (Chrysanthemum leucanthemum)	Leafy spurge (Euphorbia esula)
Bladder campion (Silene cucubalus)	Pennycress (Thlaspi arvense)
	Wild onion (Allium canadense)

### Permitted Objectional Weed Seed

Annual bluegrass (Poa annua)	Red sorrel (Rumex acetosella)
Buckhorn plantain (Plantago lanceolata)	Wild carrot (Daucus carota)
Bracted plantain (Plantago aristata)	Curly dock (Rumex crispus)
Giant foxtail (Setaria faberii)	Corncockle (Agrostemma githago)
Broadleaf (bitter) dock (Rumex obtusifolius)	Giant foxtail (Setaria faberii)
	Pale (smooth) dock (Rumex altissimus)