

RED CLOVER

I. Classes of Seed Eligible for Certification

Eligible Varieties:

Kenland, Kenstar, Freedom!, Freedom MR

Eligible Classes of Seed:

Foundation, Certified

A. **Foundation Seed** is produced by sowing breeder seed. A field sown with breeder seed will not be eligible to produce foundation seed after two seed crops. A stand of Kenstar Red clover will not be eligible to produce foundation seed during the year of establishment.

B. **Certified Seed** is produced by sowing foundation seed. A field sown with foundation seed will not be eligible to produce certified seed after two seed crops. The seed crops may be produced either in the same or consecutive years. A stand of Kenstar Red clover will not be eligible to produce certified seed during the year of establishment.

C. West of 98 degrees longitude, foundation and certified seed of Kenstar must be produced above 40 degrees latitude.

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 on the map and that same field number will be entered subsequently on all field inspection reports.

III. Land History Requirements

A. **Land Requirements** – Foundation seed for the production of certified seed shall be planted only on land on which no Red clover plants of other strains or varieties have grown for at least the preceding three years, during one of which the land must be cultivated or sprayed following no-till farming practices. The land must be free of volunteer plants of the crop kind during the year immediately prior to establishment, and no manure or other contaminating material shall be applied the year previous to seeding or during the establishment and productive life of the stand. Any grazing of livestock that permits distribution of contaminating seed shall not be permitted.

Breeder seed planted for the production of foundation seed shall have the same land requirements as for the production of certified seed, except the land must be free from Red clover plants for five years prior to establishment.

IV. Field Inspection

A. **Field Inspection**

1. Seed fields shall be inspected at blossom time.
2. If a field is harvested before field inspection, then it automatically becomes ineligible for certification.

B. **Isolation** – A field producing certified seed must have the minimum isolation distance from fields of any other variety or fields of the same variety that do not meet the varietal purity requirements for certification as follows:

Minimum distances from a different variety or a non-certified crop of the same kind shall be:

Class	Field Less Than 5 Acres / Field More Than 5 Acres	
	<i>Minimum Distance</i>	<i>Minimum Distance</i>
Foundation	900 Feet	600 Feet
Certified	165 Feet	165 Feet

* The isolation distance between classes of the same variety may be reduced to 10 feet, regardless of class or size of field.

C. **Specific Requirements**

Factor	Maximum Permitted	
	Foundation	Certified
Other Varieties* plants)	0.10% (1/1000 plants)	1.00% (1/100

* Including other species of Red clover

V. Seed Standards

Factor	Class of Seed	
	Foundation	Certified
Pure Seed (minimum) 99.00%	99.00%	
Inert Matter (maximum) 1.00%	1.00%	
Other Crop Seed (maximum) * .25%	0.10%	0
Other Varieties (maximum) .25%	0.10%	0
Sweet Clover (maximum) lb	9 per lb	90 per lb
Total Weed Seed (maximum) ** 0.25%		0.25%
Objectionable Weed Seed (maximum) *** lb	9 per lb	48 per lb
Total Germination and Hard Seed (minimum) 85.00%	85.00%	

* Including other species of Red clover

** The laboratory is requested to give a count on all permitted weed seed per pound when present.

*** 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)
Leafy spurge (Euphorbia esula)	Perennial sowthistle (Sonchus arvensis)
Dodder (Cuscuta spp.)	White top (Cardaria spp.)
Oxeye daisy (Chrysanthemum leucanthemum)	Pennycress (Thlaspi arvense)
Wild onion (Allium canadense)	Field bindweed (Convolvulus arvensis)
Wild garlic (Allium vineale)	

Permitted Objectional Weed Seed

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