

# SAINFOIN SEED CERTIFICATION STANDARDS

## I. APPLICATION AND AMPLIFICATION OF GENERAL CERTIFICATION STANDARDS

The General Seed Certification Standards are basic and together with the following specific standards constitute the standards for certification of sainfoin seed.

## II. LAND REQUIREMENTS

- A. A crop of the same kind must not have been grown or planted on the land for five (5), three (3), and two (2) years prior to stand establishment for producing the Foundation, Registered, and Certified seed classes, respectively.
- B. The land must be free of volunteer sainfoin 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.

## III. FIELD INSPECTIONS

- A. A seedling inspection shall be made during the seeding year to check for volunteer plants, isolation requirements and potential weed problems.
- B. Seed fields shall be inspected at least once prior to harvest, preferably at flowering time when varietal purity can best be determined. Harvest operations, including swathing, desiccation, and combining, prior to field inspection or reinspection are cause for rejection of the field.
- C. **Application for certification must be submitted by May 15 of each year in which seed is produced (Late summer or fall plantings are due within 60 days after planting).**

## IV. FIELD STANDARDS

### A. General

#### 1. Unit of Certification

A field or a portion of a field may be certified if the area to be certified is clearly defined. Portions of a field not meeting requirements for certification must not be allowed to reach seed stage.

2. Isolation

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

Seed Classes	Fields of less than 5 acres	Fields of more than 5 acres
	Isolation in Feet*	
Foundation	900 feet	600 feet
Registered	450 feet	300 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.

3. Volunteer Plants

Volunteer plants may be cause for rejection or reclassification of a seed field.

4. Fields of all classes of certified seed may produce five (5) successive seed crops immediately following establishment.

B. Specific Field Requirements

Factor	Maximum Permitted in Each Class (ratio of plants)		
	Foundation	Registered	Certified
Other varieties*	none <sup>(1)</sup>	1:1000	1:200
Prohibited Noxious Weeds ( <i>Lack of evidence of control will be cause for rejection</i> )			

\* Other varieties shall be considered to include plants that can be differentiated from the variety that is being inspected.

<sup>(1)</sup> None tolerance means none found during the normal inspection procedures. None is not a guarantee to mean the field inspected is free of the factor.

## V. SEED STANDARDS

Standards for Each Class			
Seed Factors	FDN	REG	CERT
Pure seed (Min.)	99.00%	99.00%	98.00%
Inert Matter (Max.)	1.00%	1.00%	2.00%
Other Crop Seed (Max.)	none <sup>(1)</sup>	0.10%	0.20%
Weed Seed (Max.)	0.10%	0.10%	0.20%
Prohibited Noxious Weeds <sup>(2)</sup>	none <sup>(1)</sup>	none <sup>(1)</sup>	none <sup>(1)</sup>
Restricted Noxious Weeds <sup>(3)</sup>	none <sup>(1)</sup>	none <sup>(1)</sup>	9/lb
Germination (Min.)	80.00%	80.00%	80.00%

(1) None tolerance means none found in the sample submitted. None is not a guarantee to mean the lot inspected is free of the factor.

(2) None of the Prohibited Noxious Weeds listed in the General Standards.

(3) See Restricted Weed list in the General Standards.

# SMALL BURNET SEED CERTIFICATION STANDARDS

## I. APPLICATION AND AMPLIFICATION OF GENERAL CERTIFICATION STANDARDS

The General Seed Certification Standards are basic and together with the following specific standards constitute the standards for certification of small burnet seed.

## II. LAND REQUIREMENTS

- A. Breeder seed for production of Foundation seed shall be planted on land on which no small burnet was grown or planted during the four (4) years prior to the one in which the present stand was planted.
- B. Foundation seed for the production of Registered seed shall be planted on land on which no small burnet was grown or planted during the three (3) years prior to the one (1) in which the present stand was planted.
- C. Breeder, Foundation or Registered seed for the production of Certified seed shall be planted on land on which no small burnet was grown or planted during the two (2) years prior to the one in which the present stand was planted. Small burnet must be planted in distinct rows.

## III. FIELD INSPECTION

- A. A seedling inspection will be made during the seeding year to check for volunteer plants, isolation requirements and potential weed problems.
- B. Seed fields shall be inspected at least once prior to harvest, preferably at flowering time when varietal purity can best be determined. Harvest operations, including swathing, desiccation, and combining, prior to field inspection or reinspection are cause for rejection of the field.
- C. **Application for certification must be submitted by May 15 of each year in which seed is produced (Late summer or fall plantings are due within 60 days after planting).**

## IV. FIELD STANDARDS

### A. General

#### 1. Unit of Certification

A portion of a field may be certified if the area to be certified is clearly defined.

2. Isolation

Minimum distance from a different variety or a field of the same variety that does not meet the varietal purity standards for certification shall be:

Seed Classes	Fields of less than 5 acres	Fields of more than 5 acres
Foundation	5,280 feet	2,640 feet
Registered	2,640 feet	1,320 feet
Certified	1,320 feet	165 feet

3. Length of Stand

Limitations on the age of stand and pedigree classes of seed through which a given variety may be multiplied for both inside and outside the region of adaptation shall be specified by the originator or his designee.

4. Volunteer Plants

The presence of volunteer small burnet plants shall be cause for rejection or re-classification of a seed field.

B. Specific Field Requirements

1. Fields must show that a reasonable effort has been made to control noxious weeds. Due to the modern cleaning equipment now available, a tolerance is permitted in the field, but the seed standards permit no tolerance of noxious weeds.
2. At the discretion of the inspector, a level of noxious or objectionable plants present in a field may require the inspector to request additional seed testing.

**The following weeds have a negative impact on seed production of this crop. The weeds marked with an asterisk can impact certification of this crop. The other weeds listed are difficult to separate, and can result in increased seed loss during cleaning. Control of these weeds is recommended.**

**Canada thistle\*, Russian knapweed\*, whitetop\*, docks, wild-proso millet\*.**

## V. Seed Standards

Seed Factors	Standards for Each Class		
	FDN	REG	CERT
Pure Seed (Min.)	98.00%	98.00%	97.00%
Inert Matter (Max.)	2.00%	2.00%	3.00%
Other Crops (Max.)	0.10%	0.25%	0.50%
Prohibited Noxious Weeds <sup>(2)</sup>	none <sup>(1)</sup>	none <sup>(1)</sup>	none <sup>(1)</sup>
Restricted Noxious Weeds <sup>(3)</sup>	none <sup>(1)</sup>	27/lb	45/lb
Weed Seed (Max.)	0.10%	0.25%	0.50%
Germination (Min.)	85.00%	85.00%	85.00%

- (1) None tolerance means none found in the sample submitted. None is not a guarantee to mean the lot inspected is free of the factor.
- (2) None of the Prohibited Noxious Weeds listed in the General Standards are allowed in any class of seed.
- (3) See Restricted Noxious Weed list in the General Standards. Docks (*Rumex* spp.) shall also be included.