

BEAN 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 bean seed.

II. LAND REQUIREMENTS

A. Foundation and Registered Seed

A field to be eligible for the production of Foundation or Registered bean seed, shall not have been planted to beans for one year.

B. Certified Seed

A field to be eligible for the production of Certified bean seed, shall not have been planted to beans for one (1) year unless the previous crop was under certification and of the same kind and variety.

C. Bacterial Blight

A field on which Bacterial Blight has been found will not be eligible to grow a class of certified bean seed until it has been cropped two (2) years to crops other than beans (Phaseolus sp.), soybeans, lupines, or cowpeas, or cropped one (1) year to a crop other than beans and the subsequent bean seed crop being inspected three times.

III. FIELD INSPECTION

A. Seed fields shall be inspected two (2) times during the harvest year, one of which shall be performed in the windrow except in situations deemed by the inspector to have sufficient visibility to allow for an adequate assessment of mature pods.

B. **Application for certification must be submitted by June 25 of each year in which seed is produced.**

IV. FIELD STANDARDS

A. General

1. Unit of Certification

The unit of certification shall be a field or portion of a field separated from the remainder by a definite boundary not in beans or by steel T-posts painted a visible color and placed at the top and bottom of the field.

2. Isolation

Each variety must be separated by a 10-foot strip from another variety unless a specific variety requires additional isolation distance. It is recommended that an unrelated crop such as corn be planted between two varieties to aid in preventing outcrossing, mechanical contamination and proliferation of disease from one field to another.

B. Specific Requirements for Field Inspection

Factor	Maximum Permitted in Each Class (ratio of plants)		
	Foundation	Registered	Certified
Other varieties	none ⁽¹⁾	1:2000	1:1000
Other Crops (inseparable)	none ⁽¹⁾	1:2000	1:1000
Field peas	2/acre	2/acre	2/acre
Anthracnose	none ⁽¹⁾	none ⁽¹⁾	none ⁽¹⁾
Bacterial Bean Blights and Bacterial Wilt	none ⁽¹⁾	none ⁽¹⁾	none ⁽¹⁾
Bean Common Mosaic Virus	none ⁽¹⁾	1:2000	1:1000
Objectionable Weeds (Nightshade spp.) ⁽²⁾	2/acre	2/acre	2/acre

Prohibited Noxious Weeds (*Lack of evidence of control will be cause for rejection*)

- (1) None tolerance means none found during the normal inspection procedures. None is not a guarantee to mean the field inspected is free of this factor.
- (2) Nightshade spp. (with berries) must be removed from the windrow prior to final field inspection.

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*, black nightshade*, hairy nightshade*, cutleaf nightshade*, ground cherry*.

V. SEED STANDARDS

Factor	Standards for Each Class		
	Foundation	Registered	Certified
Pure Seed (Min.)	99.00%	99.00%	99.00%
Other Crops or Varieties (Max)*	none ⁽¹⁾	none ⁽¹⁾	0.10%
Inert Matter (Max.)*	1.00%	1.00%	1.00%
Field peas	none ⁽¹⁾	none ⁽¹⁾	none ⁽¹⁾
Splits/Cracks (Max.)*	1.00%	1.00%	1.00%
Weed Seed (Max.)*	none ⁽¹⁾	none ⁽¹⁾	0.10%
Noxious Weeds ⁽²⁾	none ⁽¹⁾	none ⁽¹⁾	none ⁽¹⁾
Objectionable Weeds (Nightshade spp.)	none ⁽¹⁾	none ⁽¹⁾	none ⁽¹⁾
Germination (Min.)	85.00%	85.00%	85.00%

* The total of inert matter, splits and cracks, other kinds, other varieties and weed seed, in combination, shall not exceed 1.00%. Inert matter cannot consist of more than 0.2% foreign material (dirt or rock).

- (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 Weeds listed in the General Standards.

Certified (blue tag) seed must be well screened and graded, bright in color and otherwise of good appearance.

GARBANZO BEAN (CHICKPEA) 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 bean seed.

II. LAND REQUIREMENTS

B. Foundation and Registered Seed

A field to be eligible for the production of Foundation or Registered garbanzo bean seed, shall not have been planted to beans three (3) and two (2) years respectively.

B. Certified Seed

A field to be eligible for the production of Certified garbanzo bean seed, shall not have been planted to beans for one (1) year unless the previous crop was under certification and of the same kind and variety.

III. FIELD INSPECTION

C. Seed fields shall be inspected two (2) times during the harvest year, one of which shall be performed when the crop is mature enough to differentiate leaf type (compound or simple leaf type), with a second inspection at late pod stage.

D. **Application for certification must be submitted by June 1 of each year in which seed is produced.**

IV. FIELD STANDARDS

A. General

1. Unit of Certification

The unit of certification shall be a field or portion of a field separated from the remainder by a definite boundary not in beans or by steel T-posts painted a visible color and placed at the top and bottom of the field.

2. Isolation

Each variety must be separated by a 10-foot strip from another variety unless a specific variety requires additional isolation distance.

B. Specific Requirements for Field Inspection

Factor	Maximum Permitted in Each Class (ratio of plants)		
	Foundation	Registered	Certified
Other varieties	none ⁽¹⁾	1:2000	1:1000
Other Crops (inseparable)	none ⁽¹⁾	1:2000	1:1000
Ascochyta Blight	none ⁽¹⁾	none ⁽¹⁾	none ⁽¹⁾

Prohibited Noxious Weeds (*Lack of evidence of control will be cause for rejection*)

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

V. SEED STANDARDS

Factor	Standards for Each Class		
	Foundation	Registered	Certified
Pure Seed (Min.)	99.00%	99.00%	99.00%
Other Crops (Max) ⁽³⁾	none ⁽¹⁾	none ⁽¹⁾	0.10%
Other Varieties (Max.)	0.01%	0.05%	0.10%
Total Other Crop, incl. Other Varieties	0.01%	0.05%	0.20%
Inert Matter (Max.)	1.00%	1.00%	1.00%
Weed Seed (Max.)	none ⁽¹⁾	none ⁽¹⁾	0.25%
Noxious Weeds ⁽²⁾	none ⁽¹⁾	none ⁽¹⁾	none ⁽¹⁾
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 Weeds listed in the General Standards.

(3) No Austrian pea or rye permitted.