Canadian Regulations and Procedures for Pedigreed Seed Crop Production (Circular 6) Rev. February 1, 2023 Section 12

Bean - Select Plot Production

Bean includes Field, Garden, White, Coloured, Navy or Dry edible type Bean.

General Requirements for All Pedigreed Seed Crops

The basic standards for all crops are set out in <u>General Requirements for All Pedigreed Seed Crops</u>. The basic standards for all plots are set out in <u>General Requirements for Plot Production</u>*. In addition, the following standards apply to Bean.

Land Requirements

Inspected Crop	Must NOT be grown on land which:
Select	 In the previous year produced: a non-pedigreed crop of Bean. a crop of a different variety of Bean. a Foundation, Registered or Certified crop of Bean.

Crop Inspection

Bean plots must be inspected at flowering.

Crop Standards

Isolation**

Minimum Isolation Distances Required from an Inspected Crop to Other Crops:

1. Varietal Purity

- a. Inspected pedigreed Bean of same variety
- b. Different varieties of Bean or non-pedigreed Bean
- c. Inspected pedigreed Bean of same variety contaminated with off-types or other varieties of Bean

2. Mechanical Purity

a. Chickpea, Fababean, Lentil, Pea, Soybean

Distance

30 meters (100 feet) 30 meters (100 feet) 30 meters (100 feet)

Distance

3 meters (10 feet)

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Maximum Impurity Standards

- 1. Varietal Purity (off-types/other varieties on average in 20,000 plants)
 - a. Select 1
- 2. Mechanical Purity (other crop kinds, the seeds of which are difficult to separate from the seeds of the inspected crop, on average in 20,000 plants; for Bean that includes Chickpea, Fababean, Pea and Soybean)
 - a. Select 1

* Normally 5 generations of Select plot production from Breeder seed are allowed. Field beans are limited to one generation. ** Normally a 1 meter isolation strip or staking in lieu of the 1 meter is required between plots of the same variety and between plots and adjacent pedigreed seed crops planted with the same seed. This is not permitted for Bean plots.