Rye – Foundation and Certified Production of Hybrid Rye

The requirements shown here are specifically for Foundation parent production and Certified production of **Hybrid Rye.** References to Rye shown here includes Spring and Winter Rye (unless otherwise specified).

Rye is not included and can be found under its own heading.

General Requirements for All Pedigreed Seed Crops

The basic standards for all crops are set out in General Requirements for All Pedigreed Seed Crops. In addition, the following standards apply to Hybrid Rye.

Land Requirements

Inspected Crop	Must NOT be grown on land which:
Spring & Winter **Certified**	In the previous year produced: • a non-pedigreed crop of Barley, Durum, Oat, Rye, Triticale or Wheat. • a crop of a different variety of Rye. • a non-pedigreed crop of Canary seed, Flax, Safflower or Sunflower which followed a non-pedigreed crop of Rye 2 years prior or a different variety of Rye 2 years prior.
Winter **Foundation**	In the previous year produced: • a non-pedigreed crop of Barley, Durum, Oat, Rye, Triticale or Wheat. • a crop of a different variety of Rye. • a non-pedigreed crop of Bean, Canary seed, Chickpea, Fababean, Flax, Lentil, Lupin, Pea, Safflower, Soybean or Sunflower which followed a non-pedigreed crop of Rye 2 years prior or a different variety of Rye 2 years prior.
Spring **Foundation**	In the previous year produced: • a non-pedigreed crop of Barley, Durum, Oat, Triticale or Wheat. • a non-pedigreed crop of Bean, Canary seed, Chickpea, Fababean, Flax, Lentil, Lupin, Pea, Safflower, Soybean or Sunflower which followed a non-pedigreed crop of Spring Rye 3 years prior or a different variety of Spring Rye 3 years prior. In either of the preceding 2 years produced: • a non-pedigreed crop of Rye. • a crop of a different variety of Rye.

Crop Inspection

Hybrid Rye crops must be inspected between heading and maturity.

Crop Standards

Isolation

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

1. Varietal Purity	Distance
a. Inspected pedigreed Rye of same variety	3 meter (10 feet)*
b. Crop planted with Certified seed of the same variety*	3 meters (10 feet)**
c. Different varieties of Rye or non-pedigreed Rye	500 meters (1640 feet) for Certified 1000 meters (3280 feet) for Foundation

2. Mechanical Purity	Distance
a. Barley, Durum, Oat, Triticale, Wheat	2 meters (6 feet)

*3 meters (10 feet) is sufficient isolation to a crop planted with Breeder or Foundation seed of the same pollen bearing (male) parent line, provided the pedigree of the seed used can be established.
** 3 meters (10 feet) is sufficient isolation to a crop planted with Certified seed of the same variety provided the pedigree of the Certified seed used can be established.

Maximum Impurity Standards

1. Varietal Purity (off-types/other varieties on average in 10,000 plants)
   a. Foundation – 1
   b. Certified – 8
2. Mechanical Purity (other crop kinds, the seeds of which are difficult to separate from the seeds of the inspected crop, on average in 10,000 plants)

Other Kind	Foundation	Registered	Certified
Barley	2	2	4
Durum	2	2	4
Oat	2	2	4
Triticale	2	2	4
Wheat	2	2	4

3. Hybridity
   a. Percent hybrid seed shall not be less than 95% and shall be determined by a method approved by the CFIA. The balance of the seed should be parent line derivative resulting from incompletely controlled pollination in the seed field.
   b. The CSGA, at its discretion, may require a declaration stating the actual percent seed of a representative sample of the hybrid seed crop and the method of determining the percent hybrid seed. Unless otherwise specified in the variety description, the declaration of percent hybrid seed shall also provide the following information: CSGA Crop Sequence Number, the test method name or number, the number of seeds tested and the confidence level of the test.