

## Radish – Certified Production of *R. sativus*

The requirements shown here are specifically for Certified production of Open-pollinated *R. sativus*.

### 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 Open-pollinated *R. sativus*.

### Land Requirements

Inspected Crop	Must NOT be grown on land which:
Certified	In any of the preceding 3 years has been planted with or produced a crop of: <ul style="list-style-type: none"><li>• Canola/Rapeseed (<i>B. napus</i>, <i>B. rapa</i>)</li><li>• Carinata (<i>B. carinata</i>)</li><li>• Mustard (<i>B. juncea</i>, <i>S. alba</i>)</li><li>• Radish (<i>R. sativus</i>)</li></ul>
Inspected Crop	MAY be grown on land which:
Certified	In any of the preceding 3 years has produced: <ul style="list-style-type: none"><li>• a plot of the same variety that was granted Foundation status</li></ul>

### Crop Inspection

Open-pollinated *R. sativus* crops must be inspected when the crop is in the early flowering stage.

### Crop Standards

#### Isolation

The first 50 meters of isolation must be practically free from plants that may cross pollinate (CP in table below) with the inspected seed crop (not more than 1 plant per 100 square meters, on average) and the remaining distance reasonably free from plants that may cross pollinate with the inspected crop (not more than 1 plant per 10 square meters, on average).

The risk to varietal purity posed by plants that may cross pollinate varies depending on area, density, stage of maturity and distance from the inspected crop. These factors will be taken into consideration in determining the pedigreed status of the inspected crop.

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

- |                                                                                      |                       |
|--------------------------------------------------------------------------------------|-----------------------|
| <b>1. Varietal Purity</b>                                                            | <b>Distance</b>       |
| a. Crop planted with Certified* seed of the same variety                             | 3 meters (10 feet)    |
| b. Different variety of <i>R. sativus</i> or non-pedigreed crop of <i>R. sativus</i> | 200 meters (656 feet) |

\* Provided the pedigree of the Certified seed used can be established.

- |                                                                                                 |                    |
|-------------------------------------------------------------------------------------------------|--------------------|
| <b>2. Mechanical Purity</b>                                                                     | <b>Distance</b>    |
| a. <i>B. napus</i> , <i>B. rapa</i> , <i>B. juncea</i> , <i>B. carinata</i> , or <i>S. alba</i> | 3 meters (10 feet) |

**Weeds**

1. The presence of Cleavers (*Galium aparine*) is cause for declining pedigreed status.
2. Wild mustard (*Sinapis arvensis*) must not be present in the area of the crop to be harvested for seed at an average of more than 1 plant/10,000 plants.

**Maximum Impurity Standards**

1. **Varietal Purity** (on average in 10,000 plants)
  - a. Off-types/other varieties of the same species – 1.5
  - b. Plants of species that may cross pollinate (CP in table below) – 1
2. **Mechanical Purity** (on average in 10,000 plants)
  - a. Plants of species with difficult to separate seeds (DTS in table below) – 3

Species	Canola ( <i>B. napus</i> )	Canola ( <i>B. rapa</i> )	Mustard Brown/Oriental ( <i>B. juncea</i> )	Mustard White/Yellow ( <i>S. alba</i> )	Carinata ( <i>B. carinata</i> )	Radish ( <i>R. sativus</i> )
<i>R. sativus</i>	DTS	DTS	DTS	DTS	DTS	n/a