

# Barley – Foundation, Registered and Certified Production

Barley includes Spring and Winter Barley.

## 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 Barley.

## Land Requirements

Inspected Crop	Must NOT be grown on land which:
Spring & Winter Certified	<p>In the previous year produced:</p> <ul style="list-style-type: none"> <li>a non-pedigreed crop of Barley, Buckwheat, Durum, Oat, Rye, Triticale or Wheat.</li> <li>a crop of a different variety of Barley.</li> <li>a non-pedigreed crop of Canaryseed, Flax, Safflower or Sunflower which followed a non-pedigreed crop of Barley 2 years prior or a different variety of Barley 2 years prior.</li> </ul>
Spring & Winter Foundation & Registered	<p>In the previous year produced:</p> <ul style="list-style-type: none"> <li>a non-pedigreed crop of Barley, Buckwheat, Durum, Oat, Rye, Triticale or Wheat.</li> <li>a crop of a different variety of Barley.</li> <li>a non-pedigreed crop of Bean, Canaryseed, Chickpea, Fababean, Flax, Lentil, Lupin, Pea, Safflower, Soybean or Sunflower which followed a non-pedigreed crop of Barley 2 years prior or a different variety of Barley 2 years prior.</li> </ul>

## Crop Inspection

Barley 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 Barley of same variety            | 1 meter (3 feet)   |
| b. Different varieties of Barley or non-pedigreed Barley | 3 meters (10 feet) |
| 2. Mechanical Purity                                     | Distance           |
| a. Buckwheat, Durum, Oat, Rye, Triticale, Wheat          | 2 meters (6 feet)  |

**Maximum Impurity Standards**

1. **Varietal Purity** (off-types/other varieties on average in 10,000 plants)
  - a. Foundation – 1
  - b. Registered – 3
  - c. 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
<b>Buckwheat</b>	<b>1</b>	<b>1</b>	<b>2</b>
<b>Durum</b>	1	1	2
<b>Oat</b>	2	2	4
<b>Rye</b>	1	1	3
<b>Triticale</b>	2	2	4
<b>Wheat</b>	2	2	8

# Barley – Select Plot Production

Barley includes Spring and Winter Barley.

## General Requirements for All Pedigreed Seed Crops

The basic standards for all crops are set out in [General Requirements for All Pedigreed Seed Crops](#). The basic standards for all plots are set out in [General Requirements for Plot Production](#). In addition, the following standards apply to Barley.

## Land Requirements

Inspected Crop	Must NOT be grown on land which:
Spring & Winter Select	<p>In the previous year produced:</p> <ul style="list-style-type: none"> <li>a Foundation, Registered or Certified crop of Barley.</li> </ul> <p>In either of the preceding 2 years produced:</p> <ul style="list-style-type: none"> <li>a non-pedigreed crop of Barley, Buckwheat, Durum, Oat, Rye, Triticale or Wheat.</li> <li>a crop of a different variety of Barley.</li> <li>a Certified crop of Barley.</li> </ul>

## Crop Inspection

Barley plots 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 Barley of same variety	3 meters (10 feet)
b. Different varieties of Barley or non-pedigreed Barley	10 meters (33 feet)
c. Inspected pedigreed Barley of same variety contaminated with off-types or other varieties of Barley	10 meters (33 feet)
2. Mechanical Purity	Distance
a. Buckwheat, Durum, Oat, Rye, Triticale, Wheat	3 meters (10 feet)

### Maximum Impurity Standards

- Varietal Purity (off-types/other varieties on average in 20,000 plants)
  - Select - 1
- 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 Barley that includes all cereals and Buckwheat)
  - Select - 1

# Buckwheat – Foundation, Registered and Certified Production

## 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 Buckwheat.

## Land Requirements

Inspected Crop	Must NOT be grown on land which:
<b>Certified</b>	In the previous year produced: <ul style="list-style-type: none"> <li>• a non-pedigreed crop of Buckwheat.</li> <li>• a crop of a different variety of Buckwheat.</li> </ul>
<b>Foundation &amp; Registered</b>	In either of the preceding 2 years produced: <ul style="list-style-type: none"> <li>• a non-pedigreed crop of Buckwheat.</li> <li>• a crop of a different variety of Buckwheat.</li> </ul>

## Crop Inspection

Buckwheat crops must be inspected when the crop is in bloom.

## Crop Standards

### Isolation

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

1. Varietal Purity	Distance
a. Inspected pedigreed Buckwheat of same variety	1 meter (3 feet)
b. Crop planted with Certified seed of the same variety*	3 meters (10 feet)*
c. Different varieties of Buckwheat or non-pedigreed Buckwheat	200 meters (660 feet)

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

\* 3 meters (10 feet) is sufficient isolation to a crop planted with Certified seed provided the pedigree of the Certified seed used can be established and that the adjacent crop is free for 200 meters (660 feet) from non-pedigreed or different varieties of Buckwheat.

### Maximum Impurity Standards

1. Varietal Purity (off-types/other varieties on average in 10,000 plants)
  - a. Foundation – 1
  - b. Registered – 3
  - c. 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
Rye	2	2	4
Triticale	2	2	4
Wheat	2	2	4

# Buckwheat – Select Plot Production

## General Requirements for All Pedigreed Seed Crops

The basic standards for all crops are set out in [General Requirements for All Pedigreed Seed Crops](#). The basic standards for all plots are set out in [General Requirements for Plot Production](#). In addition, the following standards apply to Buckwheat.

## Land Requirements

Inspected Crop	Must NOT be grown on land which:
Select	<p>In the previous year produced:</p> <ul style="list-style-type: none"> <li>a Foundation, Registered or Certified crop of Buckwheat.</li> </ul> <p>In either of the preceding 2 years produced:</p> <ul style="list-style-type: none"> <li>a non-pedigreed crop of Buckwheat.</li> <li>a crop of a different variety of Buckwheat.</li> <li>a Certified crop of Buckwheat.</li> </ul>

## Crop Inspection

Buckwheat plots must be inspected when the crop is in bloom.

## Crop Standards

### Isolation

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

1. Varietal Purity	Distance
a. Inspected pedigreed Buckwheat of same variety	3 meters (10 feet)
b. Crop planted with Certified seed of same variety	3 meters (10 feet)*
c. An adjacent crop that has more than 0.5% plants of Buckwheat	150 meters (492 feet)
d. Different varieties of Buckwheat or non-pedigreed Buckwheat	400 meters (1,320 feet)
e. Inspected pedigreed Buckwheat of same variety contaminated with off-types or other varieties of Buckwheat	400 meters (1,320 feet)

\* 3 meters (10 feet) is sufficient isolation to a crop planted with Certified seed provided the pedigree of the Certified seed used can be established and that the adjacent crop is free for 400 meters (1,320 feet) from non-pedigreed or different varieties of Buckwheat.

2. Mechanical Purity	Distance
a. Barley, Durum, Oat, Rye, Triticale, Wheat	3 meters (10 feet)

### 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 Buckwheat that includes all cereals)
  - a. Select - 1