

Clover – Foundation, Registered and Certified Production

The requirements shown here are specifically for Foundation, Registered and Certified production of Alsike, Red (single cut and double cut), Sweet and White Clover.

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 Clover.

Land Requirements*

Inspected Crop	Must NOT be grown on land which:
Foundation	<p>In any of the 5 years prior to the year of seeding produced:</p> <ul style="list-style-type: none">• a non-pedigreed crop of the same crop kind.• a different variety of the same crop kind. <p>In any of the 3 years prior to the year of seeding produced:</p> <ul style="list-style-type: none">• a pedigreed crop of the same variety.
Registered	<p>In any of the 3 years prior to the year of seeding produced:</p> <ul style="list-style-type: none">• a crop of the same crop kind.
Certified	<p>In any of the 2 years prior to the year of seeding produced:</p> <ul style="list-style-type: none">• a crop of the same crop kind.

*Except where chemical control measures acceptable to the CSGA have been taken to eradicate growth from a previous crop of the same crop kind.

Crop Inspection

Clover crops must be inspected when the crop is in bloom and before harvest.

Age of Stand

The maximum number of years pedigreed seed can be produced from a stand of Clover established with Breeder or Foundation seed is outlined below. The class that can be produced from a stand varies with the class used to establish the crop, the classes of seed through which a given variety may be multiplied and the number of years the stand has been in production.

Inspected crop	When crop is established with:									
	Breeder seed of a variety without a Registered class			Breeder seed of a variety with a Registered class			Foundation seed of a variety without a Registered class*		Foundation seed of a variety with a Registered class	
	Foundation	Certified	Foundation	Registered	Certified	Registered	Certified	Registered	Certified	
Alsike, White	2 yrs.	+ 2 yrs.	2 yrs.	+ 2 yrs.	4 yrs.	2 yrs.	+ 2 yrs.			
Red – double cut	1 yr.	+ 1 yr.	1 yr.	+ 1 yr.	2 yrs.	1 yr.	+ 1 yr.			
Red – single cut	2 yrs.	+ 1 yr.	2 yrs.	+ 1 yr.	3 yrs.	2 yrs.	+ 1 yr.			
Sweet	1 yr.	+ 0	1 yr.	+ 0	1 yr.	1 yr.	+ 0			

*Or when crop is established with Registered seed of a variety with a Registered class.

Crop Standards

Isolation

The isolation must be reasonably free from plants that may cross pollinate with the inspected crop. 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:

1. Varietal Purity

- a. Inspected pedigreed crop of same variety and class
- b. Inspected pedigreed crop of same variety, different class
- c. Different varieties of the same crop kind or non-pedigreed crop of the same crop kind

Distance

- 1 meter (3 feet)
- 3 meters (10 feet)
- Isolation table below

Area of Inspected Crop	Minimum Isolation Distance		
	Foundation	Registered	Certified
5 acres or less	300 m (984 ft)	150 m (492 ft)	50 m (164 ft)
More than 5 acres	200 m (656 ft)	100 m (328 ft)	50 m (164 ft)

Maximum Impurity Standards

1. Varietal Purity (on average in either 10 or 100 m²)

- a. Off-types/other varieties of the same crop kind
 - i. Foundation – 3 plants/100 m²
 - ii. Registered – 1 plant/10 m²
 - iii. Certified – 1 plant/10 m²

2. Mechanical Purity

- a. Plants with seed difficult to separate (DTS) from seed of the inspected crop will be reported by frequency in the field and will not be a factor in the seed crop certification decision. For Alsike Clover, that includes Birdsfoot Trefoil, Black Medick and White Clover. For Red Clover, that includes Alfalfa and Sweet Clover. For Sweet Clover, that includes Alfalfa and Red Clover. And for White Clover, that includes Alsike Clover, Birdsfoot Trefoil and Black Medick.