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**SECTION 16.1**

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**FOUNDATION AND CERTIFIED PRODUCTION OF  
OPEN-POLLINATED SUNFLOWER**

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In this Section:

- ***Open-Pollinated Sunflower*** includes all varieties of open-pollinated Sunflower (*Helianthus annuus*).
- ***Sunflower*** includes all Sunflower species (*Helianthus spp.*).

Regulations for production of Hybrid Sunflower (*Helianthus annuus*) are in Section 16.2.

Section 1, *Regulations for All Pedigreed Seed Crops*, together with the following, constitute the production regulations.

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**16.1 SEED CLASSES AND GENERATIONS**

- 16.1.1 The number of official pedigreed classes is determined by the Breeder of the variety and are normally Foundation and Certified.
- 16.1.2 Foundation seed: limited to one generation. For Foundation and Probation plot production, refer also to the plot requirements of Section 13. Land and crop inspection requirements for plot production are the same as for Foundation status crops.
- 16.1.3 For those growers who are not accredited by CSGA to grow Probation, Select or Foundation plots, and who plant crops with Breeder seed, CSGA reserves the right to determine the status of the crop and may issue a Certified crop certificate.

**16.2 LAND REQUIREMENTS**

- 16.2.1 Open Pollinated Sunflower crops must not be grown on land which produced a crop of Sunflower in the previous year.

**16.3 CROP INSPECTION**

The basic standards for all crops are set out in Section 1.7. In addition, the following apply to crops in this section:

- 16.3.1 It is the grower's responsibility to ensure that crops are inspected by an authorized inspector prior to swathing or harvesting.
- 16.3.2 A crop that is cut, swathed or harvested prior to crop inspection is not eligible for pedigree.
- 16.3.3 The crop must be inspected at a stage of growth when varietal purity is best determined. Crops not inspected at the proper stage for best determining varietal purity may be cause for declining pedigreed status.
- 16.3.4 Crop inspection should be made after the crop is at least 50 per cent in bloom and before it is fully matured.

## **16.4 CROP STANDARDS**

### **16.4.1 Isolation**

- a) Open-Pollinated Sunflower crops must be isolated by a distance of 805 meters (2640 feet) from other varieties, strains, hybrids, non-pedigreed crops of the same kind, volunteer Sunflower or wild annual Sunflower. Isolation distance between oil types, non-oil types and wild annual Helianthus species must be at least 1610 meters (5280 feet).
- b) A distance of 3 meters (10 feet) must be provided from a crop of Open-Pollinated Sunflower planted with Foundation or Certified seed of the same variety.
- c) The required isolation must be provided prior to the time of flowering and crop inspection.

### **16.4.2 Weeds**

- a) All crops for pedigree must be free of Prohibited noxious weeds.
- b) Very weedy crops may be declined pedigree status.

### **16.4.3 Maximum Impurity Standards**

- a) The maximum standard allowed is (0.5%), 50 plants per 10,000 plants of inspected crop, of other varieties or clearly distinguishable off-types. Variants may be specified by the responsible Breeder and are not considered impurities unless reported in excess of the acceptable level specified.