
SECTION 14.6

**FOUNDATION AND CERTIFIED PRODUCTION OF
HYBRID PEARL MILLET**

In this Section:

- **Hybrid Pearl Millet** includes all varieties of hybrid Pearl Millet (*Pennisetum glaucum*).
- **Pearl Millet** includes all Pearl Millet (*Pennisetum glaucum*) but excludes all Self-Pollinated and all Cross-Pollinated Millet (*Panicum miliaceum*).

Regulations for production of Cross-Pollinated Millet (*Pennisetum glaucum*) are in Section 14.1. Regulations for production of Self-Pollinated Millet (*Pennisetum glaucum*) are in Section 14.6.

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

14.6.1 SEED CLASSES AND GENERATIONS

- 14.6.1.1 The number of official pedigreed classes is determined by the Breeder of the variety and Foundation parental material is normally planted to produce Certified hybrid crops.
- 14.6.1.2 Foundation seed: limited to one generation.
- 14.2.1.3 Certified seed: limited to one generation.

14.6.2 LAND REQUIREMENTS

- 14.6.2.1 Hybrid Pearl Millet crops must not be grown on land which in the previous year grew a non-pedigreed crop of Pearl Millet or a different variety of Pearl Millet.

14.6.3 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:

- 14.6.3.1 It is the grower's responsibility to ensure that crops are inspected by an authorized inspector prior to swathing or harvesting.
- 14.6.3.2 A crop that is cut, swathed or harvested prior to crop inspection is not eligible for pedigree.
- 14.6.3.3 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.
- 14.6.3.4 A field inspection should be made during the bloom stage after 50 percent of the plants are showing one or more blossoms.

14.6.4 CROP STANDARDS**14.6.4.1 Isolation**

- a) Hybrid Pearl Millet crops for Foundation or Registered status must be isolated by a distance of 400 meters (1312 feet) from other varieties of Pearl Millet or from a non-pedigreed crop of Pearl Millet.
- b) Hybrid Pearl Millet crops for Certified status must be isolated by a distance of 200 meters (656 feet) from other varieties of Pearl Millet or from a non-pedigreed crop of Pearl Millet.
- c) Isolation between Millets of a different genus shall be 2 meters (6 feet).
- d) The required isolation must be provided prior to the time of flowering and crop inspection.

14.6.4.2 Weeds

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

14.6.4.3 Maximum Impurity Standards

The maximum impurity levels outlined in Table 14.6.4.3 apply, unless variants are specified by the responsible Breeder.

Table 14.6.4.3: Maximum Impurity Standards

Impurity	Maximum Permitted At Any One Crop Inspection	
	Foundation	Certified
Other varieties of Pearl Millet		
Definite	1 per 50,000 plants	1 per 20,000 plants
Doubtful	1 per 20,000 plants	1 per 1,000 plants

14.6.5 SPECIFIC REQUIREMENTS**14.6.5.1 Flowering**

At any one crop inspection, the maximum pollen shedding permitted by seed (female) parent plants is 1 per 3,000 plants for Foundation crops and 1 per 1,500 plants for Certified hybrid crops.