Foundation Single-cross Corn Seed Certification Standards

I. APPLICATION AND AMPLIFICATION OF GENERAL CERTIFICATION STANDARDS

1. The General Seed Certification Standards as adopted by the New York Certified Seed Growers' Cooperative, Inc. are basic and together with the following specific standards constitute the standards for certification of Foundation single crosses of corn.

2. Section E of the General Seed Certification Standards is amplified as follows to apply specifically to Foundation single crosses.

   (1) Only the class "Foundation" is recognized.

   (2) A Foundation single cross to be eligible for certification must be produced from inbred lines whose source assures their identity. Such inbred lines must be Certified and approved by the College Seed Committee.

   (3) A Foundation single cross shall consist of the first generation of a hybrid between two inbred lines to be used in the production of double, three-way, or top crosses.

II. LAND REQUIREMENTS

There are no requirements as to previous crop.

III. FIELD INSPECTIONS

At least four inspections shall be made by an inspector of the Certifying Agency before and during the pollinating period, said inspections to be made without previous notification to the grower.

IV. FIELD STANDARDS

1. General

   (1) Unit of certification. The entire acreage of any one specific Foundation single cross grown by and/or
belonging to one applicant must be eligible and be inspected. Any field or portion of a field failing to meet requirements must be so disposed of that it cannot be used for seed purposes.

(2) Isolation requirement. A specific Foundation single cross field shall be so located that the ear parent is not less than 40 rods from other corn except that:
   (1) Adequate natural barriers are permitted for modifying isolation distances, provided that there are no receptive silks in the ear parent at the time pollen is being shed in the contaminating field.

(3) Detasseling. The following requirements apply only when 5.0 percent or more of the ear parent plants have apparently receptive silks: (1) A Foundation single cross will not be accepted for certification if on any inspection more than 1.0 percent of the ear parent plants have shed pollen on any three inspections on different dates exceeds 2.0 percent; (2) When more than one combination is being grown in the same isolation and the ear parent of one or more of them is shedding pollen in excess of 1.0 percent, all ear parents having five percent or more apparently receptive silks at that time will be disqualified unless adequately isolated from the shedding ear parent; (3) Sucker tassels, portions of tassels on main plants will be counted as shedding pollen when two inches or more of the central stem, the side branches or a combination of the two have the anthers extended from the glumes.

2. Specific Requirements

   (1) An isolation in which more than 0.1 percent definitely off-type or more than 1.0 percent doubtful-type plants in the pollen parent have shed pollen will not be Certified.

   (2) At the time of the last inspection the ear parent shall not contain in excess of 0.1 percent definitely off-type or 1.0 percent doubtful-type plants.

V. Seed Standards

Foundation single crosses shall be ear-inspected after maturity by the Certifying Agency. They shall not contain in excess of 0.1 percent of definitely off-type or more than 0.2 percent of ears with off-colored kernels.