

TOBACCO

I. Classes of Seed Eligible for Certification

- A. **Foundation Seed** shall be the progeny of breeder or foundation seed.
- B. **Certified Seed** shall be the progeny of breeder or foundation seed.

For varieties eligible for certification, see page 4 of the General Certification Standards.

II. Land History Requirements

Care should be taken to select a field free of diseases. A new plant bed must be used each year, unless the bed is properly treated with a soil sterilant prior to seeding.

III. Field Standards

A. **Field Inspection**

- 1. Tobacco seed field inspections shall be made when the crop is in the bud stage or later.
- 2. Pollen may be collected and male sterile may be pollinated prior to inspection, but failure to meet isolation and/or varietal purity requirements may necessitate pollen disposal or seed head destruction.
- 3. Seed pods picked or seed heads harvested prior to inspection automatically become ineligible for certification.

B. **Isolation**

1. Self-pollinated Varieties - Fields producing any class of seed shall be separated by either of these methods:

- a. 150 Feet
- b. Protected from cross-pollination by bagging
- c. Separated by 4 rows of male sterile tobacco not to be used for seed purposes
- d. In fields where 2 or more self-pollinated varieties of the same type are grown side by side, four rows of each variety between the two varieties shall be allowed to bloom and set seed but shall not be harvested for seed.

Isolation between varieties of different types shall be at least 1320 feet.

2. Hybrid Parents

Male Fertile (Pollen Producing Parent) – These varieties shall adhere to the following isolation requirements:

- a. Varieties producing pollen of the same type shall be separated by at least 50 feet.
- b. Protected from cross-pollination by bagging
- c. Separated by 4 rows of male sterile tobacco not to be used for seed purposes
- d. In fields where 2 or more self-pollinated varieties of the same type are grown side by side, four rows of each variety between the two varieties shall be allowed to bloom and set seed but shall not be harvested for seed.

Male Sterile – These varieties shall adhere to the following isolation requirements:

- a. Varieties of the same type shall be isolated from all the pollen producing plants by at least 150 feet, with the exception of the fertile parent used to pollinate the male sterile of a cross
- b. Male sterile varieties of the same type require no isolation from each other.
- c. Different types of male steriles must be separated by at least 660 feet.
- d. Male sterile varieties and pollinators of different types must be separated by at least 1320 feet

C. Care of Field Crop - Care shall be taken at all times to prevent the mixing of seeds, plants and pollen during seeding, transplanting and pollinating. Plants of other varieties, including Off-types, must be destroyed as soon as found.

D. Diseases – Plants affected with Tobacco Ringspot Virus must be destroyed as soon as found. Plants affected with Tobacco Mosaic Virus must be destroyed or identified and isolated as soon as found. Parent lines of TMV resistant hybrid varieties that have plants exhibiting symptoms of TMV virus will not have to be destroyed.

IV. Seed Standards

A. **Raw Seed**

	<u>Foundation</u>	<u>Certified</u>
Pure Seed, minimum	99.00%	99.00%
Total Other Crop, maximum	0.01%	0.01%
Other Varieties, maximum	0.01%	0.01%
Other Kinds, maximum	0.01%	0.01%
Total Weed Seeds, maximum	None	None
Inert Matter, maximum	1.00%	1.00%
Germination, minimum	80.00%	80.00%

B. **Pelleted or Primed Pelleted Seed**

1. All pelleted or primed pelleted seed must have met the standards as stated in (Section IV – A) prior to that process.

2. Pelleted seed will vary in the amount of pure seed and inert material based on the amount of coating material (which must be stated on the certification tag.)

3. Seed must be retested for germination after the process of pelleting or pelleting & priming.

4. Primed tobacco seed is only eligible for sale within five months of the germination test date, excluding the month of the date.

V. Seed Conditioning

A. All certified tobacco seed must be conditioned by a KSIA approved seed conditioner.

B. Injury to the seed coat should be avoided to insure maximum germination.

C. All labeling on preprinted certified tobacco seed packets must be approved by KSIA each prior to marketing seed.

D. Each package of raw tobacco seed shall have printed on it the percentage of pure seed (purity), inert matter and germination. The lot number, date of germination and the name of the grower must also be shown on the package.

E. Each package of pelleted or primed pelleted tobacco seed shall have printed on it the percentage of pure seed (purity), inert matter, coating material, germination and number of seed per packet.

F. It is recommended that as seed lots are pelleted or pelleted & primed, the seed lot designation must be at least one number or letter different from the originating lot number.