

# Tobacco – Breeder and Certified Production

Type includes Burley, Dark and Flue-cured

## 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 Tobacco.

## Classes and Generations

Breeder: under the control of the Breeder.

Certified: the progeny of Breeder; one generation.

## Propagation Requirements

A new greenhouse plant bed must be used each year unless the plant bed is effectively treated with a soil sterilant prior to seeding.

## Land Requirements

Inspected Crop	Must NOT be grown on land which:
Breeder Certified	In the previous year produced: <ul style="list-style-type: none"><li>• a crop of Tobacco.</li><li>• a crop of Industrial Hemp.</li></ul>

## Crop Inspection

Seed pods picked or seed heads harvested prior to inspection are not eligible for certification. Tobacco crops must be inspected after the crop is in the flower bud stage.

## Crop Standards

### Isolation

1. Isolation between self-pollinated varieties of different types of Tobacco must be at least 400 m (1312 ft.).
2. Isolation between varieties of the same type of Tobacco, must be provided as prescribed below.

### Self-Pollinated Varieties

Fields producing any class of seed must be separated by any one of the following methods:

1. Isolation of at least 45 m (148 ft.).
2. Protected from cross pollination by bagging prior to pollen shedding.
3. Separated by four rows of male-sterile Tobacco not to be used for seed purposes.

4. In fields where two or more self-pollinated varieties of the same type are grown side by side, four rows of each variety, between the two varieties, must be allowed to bloom and set seed, but must not be harvested for seed.

### Parents for Producing Hybrids

*There are two kinds of parent crop varieties in the production of Hybrid Tobacco seed:*

- *a Male Fertile Pollen Producing Male parent variety; and*
- *a Male Sterile Female parent variety.*

Male Fertile Pollen Producing Male Parent varieties must comply with any one of the following isolation requirements:

1. Varieties producing pollen of the same type must be separated by at least 15 m (50 ft.).
2. Protected from cross pollination by bagging.
3. Separated by four rows of male-sterile Tobacco not to be used for seed purposes.
4. In fields where two or more self-pollinated varieties of the same type are grown side by side, four rows of each variety, between the two varieties, must be allowed to bloom and set seed, but must not be harvested for seed.
5. In fields where two or more self-pollinated varieties of the same type are grown side by side, no separation is required if closed flower removal for the purpose of pollen collection is strictly adhered to. Seed may not be harvested from these plants.

Male Sterile Female Parent varieties must comply with the following isolation requirements:

1. Varieties of the same type must be isolated from pollen producing plants by at least 45 m (148 ft.) except plants of the male fertile parent variety used to pollinate the male sterile female parent variety of that hybrid.
2. Male sterile crops of the same type do not require isolation from each other.
3. Different types of male sterile varieties must be separated by at least 200 m (656 ft.).
4. Male sterile varieties and pollinators of different types must be separated by at least 400 m (1312 ft.).

### Maximum Impurity Standards

1. Impurities in pedigreed crops shall be removed prior to crop inspection. The Maximum Impurity Standard for other varieties and off-types is 0.

### Special Requirements

1. Diseases: Plants affected by Tobacco Ringspot Virus must be destroyed. Plants affected with Tobacco Mosaic Virus must be destroyed or identified and isolated.