

# Specific Certification Standards

## Giant Miscanthus

### I. General Seed Certification Standards as Applied to Giant Miscanthus

- A. The General Seed Certification Standards as adopted are basic and together with the following specific standards constitute the standards for miscanthus.
- B. Classes and sources of certified stock are defined as follows:
  - 1. **Foundation stock** shall be those plants identified by the developer of the cultivar as donor plants for vegetative plantings. Foundation stock plants will be:
    - a. Inspected annually for conformance to the published cultivar description.
    - b. Identified by map and GPS.
    - c. Foundation plants may be maintained indefinitely with breeder affidavit.
    - d. In greenhouse, Foundation stock plants shall be produced in containers with labeling of cultivar name and lot number (if applicable).
  - 2. **Registered stock** is produced from Foundation plants in a greenhouse or field. Registered stock plants will be:
    - a. Inspected annually for conformance to the published cultivar description.
    - b. Identified by map and GPS.
    - c. Registered plants may be maintained indefinitely.
    - d. In greenhouse, Registered stock plants shall be produced in containers with labeling of cultivar name and lot number (if applicable).
  - 3. **Certified stock** is produced by vegetative plantings from Foundation or Registered stock in a greenhouse or field. Certified production fields will be:
    - a. Inspected annually for conformance to the published cultivar description.
    - b. Identified by map and GPS.
    - c. Certified fields may be maintained indefinitely.

### II. Land Requirements

A field must be inspected prior to planting and must be free of objectionable/noxious weeds to be eligible for the production of Registered and Certified seed stock.

- A. Miscanthus may not be planted on land previously planted to or growing miscanthus or switchgrass

### III. Field Inspections

- A. A field must be rogued and/or sprayed sufficiently during the growing season to remove any mixture with perennial grasses or noxious weeds.
- B. Time of Inspection:

A minimum of one inspection must be performed annually during the growing season; preferably prior to excessive vegetative growth.

#### IV. Field Standards

General Isolation Requirements:

- A. All fields must include a maintained 25 foot miscanthus-free strip around field boundaries and water-ways.
- B. All fields must be isolated from other *miscanthus* spp. by a minimum distance of 1,300 feet.

#### Specific Standards:

Factor	Foundation	Registered	Certified
Variants	1%	1%	1%
Other Contaminating Plants	1%	1%	1%
Viable Seed	none	none	none
Noxious	none	none	none

#### V. Vegetative Propagation Material Standards

- A. A complete record of the number of Foundation and Registered sprigs or plugs will be maintained and made available to North Carolina Crop Improvement Association. The record will include class, cultivar, field ID, date of shipment and amount of planting stock shipped (square feet, cubic feet, bushels, etc.)
- B. Sprigs and plugs must be handled to prevent mixture. All plants must be identified at all times to maintain identity.