

## 15 Sorghum - Open-Pollinated - Seed Certification Standards

(Includes Grain, Forage and Syrup Sorghum, Sudangrass and Broomcorn)

### I. Land Requirements

Certified seed must be produced on land which did not produce any other variety of sorghum or an uncertified crop of the same variety the previous year.

### II. Field Inspection

Two field inspections shall be made on sorghums intended for foundation seed or registered seed production, one at blooming time and the other at maturity. One inspection is required on sorghum intended for certification after the crop has attained a mature color. Certified seed fields shall be inspected before harvest but after the seed begins to assume mature color.

### III. Field Standards

#### A. General

##### 1. Unit of Certification

The unit of certification shall be a field, but a portion of a field may be approved provided the discarded portion can be harvested separately and is eliminated from certification.

##### 2. Isolation

a. Minimum isolation distances from other common sorghums shall be 1,320 and 990 feet for the Foundation and Certified classes respectively.

b. Minimum isolation distance for sorghum or broomcorn from sudangrass shall be 990 feet.

c. Sudan shall be isolated 990 feet from any other sudangrass.

#### B. Specific Requirements

Factor	Maximum permitted in each class	
	Foundation	Certified
Other varieties (definite)	None	1:20,000 heads
Other varieties (doubtful)	None	1:4,000 heads
Inseparable noxious weeds <sup>1</sup>	None	None
Kernel smut <sup>2</sup>	None	1:2,500 heads
Head smut <sup>2</sup>	None	1:10,000 heads

<sup>1</sup>Noxious weeds producing seed that are so similar to sorghum seed in size and specific gravity that they cannot be cleaned from the seed by the regular methods of cleaning.

<sup>2</sup>If head or kernel smut is discovered in production field, the seed produced must be treated with material as recommended by the Experiment Station before such seed is finally approved to be sold as certified seed.

#### IV. Referee Sample

A representative 2-pound sample of the seed as it is to be sold shall be submitted to the Association for laboratory analysis.

#### V. Seed Standards

Factor	Standards for each class	
	Foundation	Certified
Pure seed (minimum)	98.0%	98.0%
Inert Matter (maximum)	2.0%	2.0%
Weed seed (maximum)	0.1%	0.1%
Prohibited weed seed (maximum) <sup>1</sup>	None	None
Other kinds, including other varieties (maximum) <sup>2</sup>	0.03%	0.07%
Other varieties (maximum)	None	2 seeds per lb.
Germination (minimum)	80.0%	80.0%

<sup>1</sup>See Section XLI P, also, hedge bindweed (*Convolvulus sepium*), dock (*Rumex spp*), and morningglory (*Ipomoea spp.*).

<sup>2</sup>Other kinds shall not exceed 2 per lb. for Foundation; 10 per lb. for Certified.