

**RULES
OF
TENNESSEE DEPARTMENT OF AGRICULTURE
DIVISION OF MARKETING**

**CHAPTER 0080-05-06
SEED**

TABLE OF CONTENTS

0080-05-06-.01	Methods of Inspecting, Sampling and Testing, and the Application of Tolerances	0080-05-06-.11	Labeling Requirements Mixtures
0080-05-06-.02	Labels	0080-05-06-.12	Labeling Requirements for Agricultural Seeds That Are Coated
0080-05-06-.03	Invoices	0080-05-06-.13	Notice to Common Carriers
0080-05-06-.04	Labeling of Seed Distributed to Wholesalers	0080-05-06-.14	License Fees and Seed Unit Reports
0080-05-06-.05	Repealed	0080-05-06-.15	Repealed
0080-05-06-.06	Hybrid Labeling	0080-05-06-.16	Labeling of Bulk Seeds
0080-05-06-.07	Noxious-Weed Seeds	0080-05-06-.17	Brand Labeling Under the Plant Variety Protection Act
0080-05-06-.08	Minimum Standard of Germination and Purity		
0080-05-06-.09	Standards for Vegetable Seeds		
0080-05-06-.10	Hermetically Sealed Containers		

0080-05-06-.01 METHODS OF INSPECTING, SAMPLING AND TESTING, AND THE APPLICATION OF TOLERANCES.

Method of inspecting, sampling and testing, and the application of tolerance shall be according to the Rules for Testing Seeds adopted by the "Association of Official Seed Analysts" except tolerances are not allowed for Prohibited Noxious-Weed Seeds.

Authority: T.C.A. § 43-928 and Public Chapter 660 of 1986. **Administrative History:** Original rule certified June 5, 1974. Amendment filed October 30, 1986; effective December 14, 1986.

0080-05-06-.02 LABELS.

- (1) Hybrid corn seed containing Texas Male Sterile Cytoplasm shall be labeled to show the percentage of this Cytoplasm expressed by the symbol (T*) in parentheses immediately following the variety name. This asterisk (*) shall refer to a statement on the front panel of the seed label stating the percentage (%) of seed in the lot with Texas Male Sterile Cytoplasm. This information shall be printed in type no smaller than that used for the variety and kind name. (T*) shall be disassociated from the variety name by use of parentheses, brackets, quotes, or spaces.

EXAMPLES:

- (a) Kind, Corn
Variety, 704 (T*)
100% T-Cytoplasm (any place on front of analysis tag)
(Note: Reference to separate tag permitted, e.g., "see separate tag.")
 - (b) Kind, Corn
Variety, 704 (T*)
*50% T-Cytoplasm (any place in front of analysis tag.)
(Note: Reference to separate tag permitted, e.g., "see separate tag.")
Note: 704 is used as a fictitious variety name in label example.
- (2) A complete analysis must be given and the purity test percentage must total one-hundred (100%) percent. Blank spaces on a tag or label shall be considered equivalent to the word

(Rule 0080-05-06-.02, continued)

“None”. Either numerals or the word “none” should be used to express a percentage or numbers per pound.

- (3) Abbreviations in labeling seed is not permissible.

Authority: T.C.A. § 43-928 and Public Chapter 660 of 1986. **Administrative History:** Original rule certified June 5, 1974. Amendment filed October 30, 1986; effective December 14, 1986.

0080-05-06-.03 INVOICES. All invoices and records pertaining to the shipment or sale of seed must show the lot numbers, except when sold to the ultimate consumer.

Authority: T.C.A. § 43-928 and Public Chapter 660 of 1986. **Administrative History:** Original rule certified June 5, 1974. Amendment filed October 30, 1986; effective December 14, 1986.

0080-05-06-.04 LABELING OF SEED DISTRIBUTED TO WHOLESALERS. After seed has been conditioned, it must be labeled before distribution to any person including a wholesaler. Each bag or bulk lot must be completely labeled when supplied to a retailer or consumer. Labeling of seed supplied to or owned by a wholesaler (one whose predominant business is to supply seed to other distributors rather than to consumers of seed) may be by a master tag or laboratory report accompanying the invoice, provided each bag or other container is clearly identified by a lot number or if the seed is in bulk. Each bag or container that is not so identified must carry complete labeling.

Authority: T.C.A. § 43-928 and Public Chapter 660 of 1986. **Administrative History:** Original rule certified June 5, 1974. Amendment filed October 30, 1986; effective December 14, 1986.

0080-05-06-.05 REPEALED.

Authority: T.C.A. §§ 43-928, 4-3-203, 43-10-114, and Public Chapter 660 of 1986. **Administrative History:** Original rule certified June 5, 1974. Amendment filed October 30, 1986; effective December 14, 1986. Repeal filed March 24, 2016; effective June 22, 2016.

0080-05-06-.06 HYBRID LABELING.

- (1) Hybrid kinds or varieties of seed which contain between 90% to 95% hybrid, as a result of incompletely controlled pollination, shall be labeled with percentages of both the hybrid and also the non-hybrid components shown on the tag. No one kind or variety of seed shall be labeled as hybrid if the pure seed contains less than 90% hybrid seed. If the seed contains 95% of the pure seed which is hybrid seed the actual percentage which is hybrid may be omitted but the seed must be labeled as a hybrid.
- (2) Exemption to hybrid labeling: Hybrid wheat shall be labeled the same as all other hybrids except that wheat shall be considered a hybrid if the seed contains 75% or more of the pure seed which is hybrid.

Authority: T.C.A. § 43-928 and Public Chapter 660 of 1986. **Administrative History:** Original rule certified June 5, 1974. Amendment filed October 30, 1986; effective December 14, 1986.

0080-05-06-.07 NOXIOUS-WEED SEEDS. The following kinds of weed seed are designated noxious in Tennessee and the maximum permitted rate of occurrence per pound or agricultural or vegetable seed is established.

- (1) Prohibited Noxious-Weed seed shall include:

Balloonvine (<i>Cardiospermum halicacabum</i>)	None per pound
Canada thistle (<i>Cirsium arvense</i>)	None per pound

(Rule 0080-05-06-.07, continued)

Crotalaria (<i>Crotalaria spectabilis</i>)	None per pound
Field Bindweed (<i>Convolvulus arvensis</i>)	None per pound
Hedge Bindweed (<i>Convolvulus sepium</i>)	None per pound
Itchgrass (<i>Rottboelia exaltata</i>)	None per pound
Johnsongrass (<i>Sorghum halepense</i>)	None per pound
Nutgrass (<i>Cyperus rotundus</i> and <i>C. esculentus</i>)	None per pound
Palmer Amaranth (<i>Amaranthus palmeri</i>)	None per pound
Sorghum Almum (<i>Sorghum almum</i>)	None per pound
Sicklepod (<i>Cassia obtusifolia</i>)	None per pound

(2) Restricted Noxious-Weed seed shall include:

Buckhorn Plantain (<i>Plantago lanceolata</i>)	200 per pound
Cheat (<i>Bromus secalinus</i>) or Chess (<i>B. commutatus</i>)	300 per pound
Cocklebur (<i>Xanthium</i> spp.)	2 per pound
Corncockle (<i>Agrostemma githago</i>)	100 per pound
Darnel (<i>Lolium temulentum</i>)	100 per pound
Dock (<i>Rumex</i> spp.)	100 per pound
Dodder (<i>Cuscuta</i> spp.)	100 per pound
Giant Foxtail (<i>Setaria faberi</i>)	100 per pound
Horsenettle (<i>Solanum carolinense</i>)	200 per pound
Quackgrass (<i>Agropyron repens</i>)	100 per pound
Wild Mustard or Turnips (<i>Brassica</i> spp.)	27 per pound
Wild Onion or Garlic (<i>Allium</i> spp.)	27 per pound
Plumeless thistles, includes Musk Thistle, Nodding Thistle, and Curled Thistle (<i>Carduus</i> spp.)	100 per pound
Annual Bluegrass (<i>Poa annua</i>)	300 per pound Lawn and turf seed only

- (3) Annual Bluegrass shall be claimed on the label if present in lawn and turf seed such as, bentgrass, Ky. bluegrass, chewings fescue, red fescue, hard fescue, varieties of perennial ryegrass, varieties of turf type tall fescue, and/or mixtures containing these grasses.
- (4) Agricultural seed which contain in excess of a sum total of 300 restricted noxious-weed seed per pound (subject to above limitations) is prohibited from sale in Tennessee.
- (5) Exceptions:
- Crimson clover may contain one hundred (100) *Brassica* spp. seed per pound.
 - Ky. 31 Tall fescue may contain a sum total of five hundred (500) restricted noxious-weed seed per pound. However, maximum limitations for each kind remain the same.
 - Black soybeans used for hay purposes may contain two (2) sicklepod per pound.

Authority: T.C.A. §§ 4-3-203, 43-928, 43-10-114, and Public Chapter 660 of 1986. **Administrative History:** Original rule certified June 5, 1974. Amendment filed October 30, 1986; effective December 14, 1986. Amendments filed July 31, 2018; effective October 29, 2018.

0080-05-06-.08 MINIMUM STANDARD OF GERMINATION AND PURITY. Agricultural seed is prohibited from being sold, offered or exposed for sale for sowing purposes in Tennessee if:

- (1) The percentage of germination is below 75%.

(Rule 0080-05-06-.08, continued)

- (a) Exceptions.
1. Hybrid field corn shall not germinate less than 90%.
 2. Dallisgrass shall not germinate less than 30%.
 3. Sweetclover shall not germinate less than 65%.
 4. Crownvetch shall not germinate less than 65%.
 5. Pearl millet shall not germinate less than 65%.
- (2) The percentage of weed seed is more than 2% or the percentage of purity is below 90%.
- (a) Exceptions.
- | | |
|-----------------|-----|
| 1. Dallisgrass | 50% |
| 2. Orchardgrass | 85% |
| 3. Redtop Grass | 87% |
| 4. Bluegrass | 75% |
- (b) Coated seed may have a purity of less than 90%.
- (3) The percentage of inert material is more than 10%.
- (a) Exceptions.
1. Dallisgrass
 2. Orchardgrass
 3. Redtop Grass
 4. Bluegrass

Authority: T.C.A. § 43-928 and Public Chapter 660 of 1986. **Administrative History:** Original rule certified June 5, 1974. Amendment filed October 30, 1986; effective December 14, 1986.

0080-05-06-.09 STANDARDS FOR VEGETABLE SEEDS.

- (1) The standard of germination for vegetable seeds shall be the same as listed in the Federal Seed Act, and as may be subsequently amended, and which, presently, are as listed below. For seed which germinate less than these standards, the words "Below Standard" must be printed on each package or container or tag in not less than eight point type:

	PERCENT
Artichoke	60
Asparagus	70
Asparagusbean	75
Bean, garden	70
Bean, lima	70
Bean, runner	75

(Rule 0080-05-06-.09, continued)

Beet	65
Broadbean	75
Broccoli	75
Brussell sprouts	70
Burdock, great	60
Cabbage	75
Cabbage, tronchuda	75
Cantaloupe (See Muskmelon)	
Cardoon	60
Carrot	55
Cauliflower	75
Celeriac	55
Celery	55
Chard, Swiss	65
Chicory	65
Chinese cabbage	75
Chives	50
Citron	65
Collards	80
Corn, sweet	75
Cornsalad	70
Cowpea	75
Cress, garden	75
Cress, upland	60
Cress, water	40
Cucumber	80
Dandelion	60
Eggplant	60
Endive	70
Kale	75
Kale, Chinese	75
Kohlrabi	75
Leek	60
Lettuce	80
Muskmelon	75
Mustard, India	75
Mustard, spinach	75
Okra	50
Onion	70
Onion, Welsh	70
Pak-Choi	75
Parsley	60
Parsnip	60
Pea	80
Pepper	55
Popcorn	75
Pumpkin	75
Radish	75
Rhubarb	60
Rutabaga	75
Salsify	75
Sorrell	65
Soybean	75
Spinach	60
Spinach, New Zealand	40
Squash	75

(Rule 0080-05-06-.09, continued)

Tomato	75
Tomato, husk	50
Turnip	80
Watermelon	70
All other vegetable seeds	50

Authority: T.C.A. § 43-928, Public Chapter 660 of 1986. **Administrative History:** Original rule certified June 5, 1974. Amendment filed October 30, 1986; effective December 14, 1986.

0080-05-06-.10 HERMETICALLY SEALED CONTAINERS. For agricultural and vegetable seeds labeled and packed in hermetically sealed containers the nine (9) month limitation of date of test in Section 10(a)(2) is extended as provided therein. The germination test for agricultural and vegetable seeds shall have been completed within twenty-four (24) month period, exclusive of the calendar month in which the test was completed, if the following conditions are met:

- (1) The seed was packaged within nine (9) months after harvest.
- (2) The container used does not allow water vapor penetration through any wall, including the seals, greater than 0.05 grams of water per 24 hours per 100 square inches of surface at 100 degrees Fahrenheit with a relative humidity on one side of 90 percent and on the other side of 0.00 percent. Water vapor penetration of WVP is measured by the Standards of the U.S. Bureau of Standards as: gm. H₂O/24 hr/100 sq. in. /100 deg. F. / 90% RHV .0% RH
- (3) The seed in the container used does not exceed the percentage of moisture, on a wet weight basis, as listed below:

AGRICULTURAL SEEDS	PERCENT
Beet, Field	7.5
Beet, Sugar	7.5
Bluegrass, Kentucky	6.0
Clover, Crimson	8.0
Fescue, Red	8.0
Ryegrass, Annual	8.0
Ryegrass, Perennial	8.0
All others	6.0
Mixture of above	8.0

VEGETABLE SEEDS	PERCENT
Bean, Garden	7.0
Bean, Lima	7.0
Beet	7.5
Broccoli	5.0
Brussels Sprouts	5.0
Cabbage	5.0
Carrot	7.0
Cauliflower	5.0
Celeriac	7.0
Celery	7.0
Chard, Swiss	7.5
Chinese Cabbage	5.0
Chives	6.5
Collards	5.0
Corn, Sweet	8.0
Cucumber	6.0

(Rule 0080-05-06-.10, continued)

Eggplant	6.0
Kale	5.0
Kohlrabi	5.0
Leek	6.5
Lettuce	5.5
Muskmelon	6.0
Mustard, India	5.0
Onion	6.5
Onion, Welsh	6.5
Parsley	6.5
Parsnip	6.0
Pea	7.0
Pepper	4.5
Pumpkin	6.0
Radish	5.0
Rutabaga	5.0
Spinach	8.0
Squash	6.0
Tomato	5.5
Turnip	5.0
Watermelon	6.5
All others	6.0

- (4) The container is conspicuously labeled in not less than 8 point type to indicate:
- (a) That the seed is hermetically sealed,
 - (b) That the seed has been preconditioned as to moisture content.
 - (c) The calendar month and year in which the germination test was completed as well as all labeling information required in Section 4 of the Tennessee Seed Law.
 - (d) The percentage of germination of seed at the time of packaging was equal to or above the Standards specified elsewhere in this regulation.
 - (e) Records are kept giving the percent of moisture at the time of packaging.

Authority: T.C.A. § 43-928 and Public Chapter 660 of 1986. **Administrative History:** Original rule certified June 5, 1974. Amendment filed October 30, 1986; effective December 14, 1986.

0080-05-06-.11 LABELING REQUIREMENTS FOR MIXTURES. For all mixtures the oldest date tested for any component will be considered the date of test.

Authority: T.C.A. § 43-928 and Public Chapter 660 of 1986. **Administrative History:** Original rule certified June 5, 1974. Amendment filed October 30, 1986; effective December 14, 1986.

0080-05-06-.12 LABELING REQUIRMENTS FOR AGRICULTURAL SEEDS THAT ARE COATED.

- (1) Percentage of pure seeds with coating material removed.
- (2) Percentage of coating material shall be shown as a separate item in close association with the percentage of inert matter.
- (3) Germination shall be determined on pellets with or without seed.

(Rule 0080-05-06-.12, continued)

- (4) In addition to these provisions, labeling of coated seed shall comply with the requirements of Sections 6 and 7 of this Chapter.

Authority: T.C.A. § 43-928 and Public Chapter 660 of 1986. **Administrative History:** Original rule certified June 5, 1974. Amendment filed October 30, 1986; effective December 14, 1986.

0080-05-06-.13 NOTICE TO COMMON CARRIERS. Express and freight shipments, including truck deliveries, to dealers or consumers of seed shall be subject to the Tennessee Seed Law and its rules and regulations. All trucks and other common carriers transporting seed for delivery or sale, or to be sold or delivered to consumers in this State, in the usual manner, or on the public highways or at public auctions, shall have available for examination at any time a bill of lading, waybill, or delivery receipt showing the following:

- (1) The name of shipper or party from whom purchased;
- (2) The name and address of the party to whom the seed is to be delivered.
- (3) The kind, variety and quantity of each separate lot of seed;
- (4) The name and address of truck line or owner, or driver of the truck or other common carrier making delivery or transporting the seed.

Authority: T.C.A. § 43-928 and Public Chapter 660 of 1986. **Administrative History:** Original rule certified June 5, 1974. Amendment filed October 30, 1986; effective December 14, 1986.

0080-05-06-.14 LICENSE FEES AND SEED UNIT REPORTS.

- (1) For purposes of this rule, seed unit means:
 - (a) A container of seed six lbs. to 100 lbs.;
 - (b) A hundredweight of seed sold in bulk;
 - (c) A package of tobacco seed two ounces or less; or
 - (d) A case of seed in packages of less than five pounds.
- (2) Annual statement. Every person required to have a seed license—including any person whose name appears on the analysis label affixed to the bag, on the bulk container, or shipping invoice at the time of sale of seeds to a non-labeler—shall file with the department on or before July 1 an annual statement indicating the number of seed units the person sold in the state during the previous calendar year (January 1 – December 31), provided that seed units need not be reported in the annual statement if the seed units have been previously reported to the department and calculated in the annual license fee of a seed seller in good standing.
- (3) License fee. Every person required to have a seed license—including any person whose name appears on the analysis label affixed to the bag, on the bulk container, or shipping invoice at the time of sale of seeds to a non-labeler—shall pay an annual license fee based on the quantity of seed units sold in the state during the previous calendar year (January 1 – December 31), as reported in the annual statement. The fee shall be determined by subtracting 3,000 seed units from the total number of seed units sold; dividing the difference by 600 seed units; and multiplying the dividend by a Tier 1 fee under T.C.A. § 43-1-703(f). In no event shall any seed seller pay less than a Tier 3 fee under T.C.A. § 43-1-703(f) for an annual license under this chapter.

(Rule 0080-05-06-.14, continued)

Authority: T.C.A. §§ 43-928, 4-3-203, 43-1-703, 43-10-114, 43-10-118, and Public Chapter 660 of 1986. **Administrative History:** Original rule certified June 5, 1974. Amendment filed October 30, 1986; effective December 14, 1986. Amendments filed March 24, 2016; effective June 22, 2016. Amendments filed March 30, 2017; effective June 28, 2017.

0080-05-06-.15 REPEALED.

Authority: T.C.A. §§ 43-928, 4-3-203, 43-10-114, and Public Chapter 660 of 1986. **Administrative History:** Original rule certified June 5, 1974. Amendment filed October 30, 1986; effective December 14, 1986. Repeal filed March 24, 2016; effective June 22, 2016.

0080-05-06-.16 LABELING OF BULK SEEDS. Agricultural seeds offered or exposed for sale which are stored in bulk, shall be labeled by attaching to the bin, tank, box or other container in a conspicuous place, a tag or label stating the information as required by Sections 5 through 9 of this Chapter. Copy of same shall also be supplied to each purchaser at time of sale.

Authority: T.C.A. § 43-928 and Public Chapter 660 of 1986. **Administrative History:** Original rule certified June 5, 1974. Amendment filed October 30, 1986; effective December 14, 1986.

0080-05-06-.17 BRAND LABELING. If a brand name is used, it must be a separate statement from the variety name or statement of a mixture unless it is a registered trademark. Brand names may not be used in conjunction with "Variety Not Stated" labeling.

Authority: T.C.A. § 43-928 and Public Chapter 660 of 1986. **Administrative History:** Original rule certified June 5, 1974. Amendment filed October 30, 1986; effective December 14, 1986.