

**Grain Inspection, Packers and Stockyard Admin. (FGIS), USDA**

**§ 810.102**

**SPECIAL GRADES AND SPECIAL GRADE REQUIREMENTS**

810.1605 Special grades and special grade requirements.

**Subpart K—United States Standards for Sunflower Seed**

**TERMS DEFINED**

810.1801 Definition of sunflower seed.  
810.1802 Definition of other terms.

**PRINCIPLES GOVERNING THE APPLICATION OF STANDARDS**

810.1803 Basis of determination.

**GRADES AND GRADE REQUIREMENTS**

810.1804 Grades and grade requirements for sunflower seed.

**Subpart L—United States Standards for Triticale**

**TERMS DEFINED**

810.2001 Definition of triticale.  
810.2002 Definition of other terms.

**PRINCIPLES GOVERNING THE APPLICATION OF STANDARDS**

810.2003 Basis of determination.

**GRADES AND GRADE REQUIREMENTS**

810.2004 Grades and grade requirements for triticale.

**SPECIAL GRADES AND SPECIAL GRADE REQUIREMENTS**

810.2005 Special grades and special grade requirements.

**Subpart M—United States Standards for Wheat**

**TERMS DEFINED**

810.2201 Definition of wheat.  
810.2202 Definition of other terms.

**PRINCIPLES GOVERNING THE APPLICATION OF STANDARDS**

810.2203 Basis of determination.

**GRADES AND GRADE REQUIREMENTS**

810.2204 Grades and grade requirements for wheat.

**SPECIAL GRADES AND SPECIAL GRADE REQUIREMENTS**

810.2205 Special grades and special grade requirements.

AUTHORITY: Pub. L. 94-582, 90 Stat. 2867, as amended (7 U.S.C. 71 *et seq.*).

SOURCE: 52 FR 24418, June 30, 1987, unless otherwise noted.

**Subpart A—General Provisions**

NOTE: Compliance with the provisions of these standards does not excuse failure to comply with the provisions of the Federal Food, Drug, and Cosmetic Act, or other Federal laws.

**TERMS DEFINED**

**§ 810.101 Grains for which standards are established.**

Grain refers to barley, canola, corn, flaxseed, mixed grain, oats, rye, sorghum, soybeans, sunflower seed, triticale, and wheat. Standards for these food grains, feed grains, and oilseeds are established under the United States Grain Standards Act.

[57 FR 3274, Jan. 29, 1992]

**§ 810.102 Definition of other terms.**

Unless otherwise stated, the definitions in this section apply to all grains. All other definitions unique to a particular grain are contained in the appropriate subpart for that grain.

(a) *Distinctly low quality.* Grain that is obviously of inferior quality because it is in an unusual state or condition, and that cannot be graded properly by use of other grading factors provided in the standards. Distinctly low quality includes the presence of any objects too large to enter the sampling device; i.e., large stones, wreckage, or similar objects.

(b) *Moisture.* Water content in grain as determined by an approved device according to procedures prescribed in FGIS instructions.

(c) *Stones.* Concreted earthy or mineral matter and other substances of similar hardness that do not disintegrate in water.

(d) *Test weight per bushel.* The weight per Winchester bushel (2,150.42 cubic inches) as determined using an approved device according to procedures prescribed in FGIS instructions. Test weight per bushel in the standards for corn, mixed grain, oats, sorghum, and soybeans is determined on the original sample. Test weight per bushel in the standards for barley, flaxseed, rye, sunflower seed, triticale, and wheat is determined after mechanically cleaning

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the original sample. Test weight per bushel is recorded to the nearest tenth pound for corn, rye, triticale, and wheat. Test weight per bushel for all other grains, if applicable, is recorded in whole and half pounds with a fraction of a half pound disregarded. Test weight per bushel is not an official factor for canola.

(e) *Whole kernels.* Grain with  $\frac{1}{4}$  or less of the kernel removed.

[52 FR 24418, June 30, 1987, as amended at 60 FR 61196, Nov. 29, 1995]

### PRINCIPLES GOVERNING THE APPLICATION OF STANDARDS

#### § 810.103 Basis of determination.

(a) *Distinctly low quality.* The determination of distinctly low quality is made on the basis of the lot as a whole at the time of sampling when a condition exists that may or may not appear in the representative sample and/or the sample as a whole.

(b) *Certain quality determinations.* Each determination of rodent pellets, bird droppings, other animal filth, broken glass, castor beans, cockleburrs, crotalaria seeds, dockage, garlic, live insect infestation, large stones, moisture, temperature, an unknown foreign substance(s), and a commonly recognized harmful or toxic substance(s) is made on the basis of the sample as a whole. When a condition exists that may not appear in the representative sample, the determination may be made on the basis of the lot as a whole at the time of sampling according to procedures prescribed in FGIS instructions.

(c) *All other determinations.* The basis of determination for all other factors is contained in the individual standards.

#### § 810.104 Percentages.

(a) *Rounding.* Percentages are determined on the basis of weight and are rounded as follows:

(1) When the figure to be rounded is followed by a figure greater than or equal to 5, round to the next higher figure; e.g., report 6.36 as 6.4, 0.35 as 0.4, and 2.45 as 2.5.

(2) When the figure to be rounded is followed by a figure less than 5, retain the figure; e.g., report 8.34 as 8.3, and 1.22 as 1.2.

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(b) *Recording.* The percentage of dockage in flaxseed and sorghum is reported in whole percent with fractions of a percent being disregarded. Dockage in barley and triticale is reported in whole and half percent with a fraction less than one-half percent being disregarded. Dockage in wheat and rye is reported in whole and tenth percents to the nearest tenth percent. Foreign material in sunflower seed is reported to the nearest one-half percent. Ranges of sunflower seed foreign material are reported as follows: 0.0 to 0.24 is reported as 0.0 percent, 0.25 to 0.74 as 0.5 percent, 0.75 to 1.24 as 1.0 percent, and the like. Foreign material and fines in mixed grain is reported in whole percent. The percentage of smut in barley, sclerotinia and stones in canola, and ergot in all grains is reported to the nearest hundredth percent. The percentage when determining the identity of all grains is reported to the nearest whole percent. Also reported to the nearest whole percent are the classes and subclasses in wheat; flint corn; flint and dent corn; waxy corn; classes in barley; and the percentage of each kind of grain in mixed grain. Plump barley shall be expressed in terms of the range in which it falls. Ranges shall be: Below 50 percent, 50 to 55 percent, 56 to 60 percent, 61 to 65 percent, and the like. All other percentages are reported in tenths percent.

[52 FR 24418, June 30, 1987; 52 FR 28534, July 31, 1987, as amended at 54 FR 24157, June 6, 1989; 57 FR 3274, Jan. 29, 1992; 59 FR 10573, Mar. 7, 1994; 61 FR 18491, Apr. 26, 1996; 63 FR 20056, Apr. 23, 1998]

### GRADES, GRADE REQUIREMENTS, AND GRADE DESIGNATIONS

#### § 810.105 Grades and grade requirements.

The grades and grade requirements for each grain (except mixed grain) and shown in the grade table(s) of the respective standards. Mixed grain grade requirements are not presented in tabular form.

#### § 810.106 Grade designations.

(a) *Grade designations for grain.* The grade designations include in the following order:

(1) The letters "U.S.";