

Grading Standards for Chickpeas

Terms Defined

**Source: 34 FR 7863, May 17, 1969, unless otherwise noted.
Effective November 10, 1997**

101 Beans

Beans shall be dry threshed field and garden beans, whole, broken, and split, commonly used for edible purposes.

102 Classes.*

* The use of a variety name in the designation of the class of beans does not imply any guarantee of varietal purity.

Beans shall be divided into classes as follows, each of which, except Mixed beans, may contain not more than 2.0 percent of beans of contrasting classes and not more than 15.0 percent of beans of other classes that blend:

- Pea beans (the type as grown in the Great Lakes region known also as Navy beans)
- Blackeye beans (cowpeas of the Blackeye variety)
- Cranberry beans (known also as Speckled Cranberry and Horticultural Pole)
- Yelloweye beans
- Pinto beans (including the Mexican Pinto type but not the type known as
- Spotted Red Mexican)
- Marrow beans (not including Red Marrow)
- Great Northern beans
- Small White beans (the type as grown on the Pacific coast, not including Tepary beans)
- Flat Small White beans (the type as grown in northern Idaho)
- White Kidney beans
- Light Red Kidney beans
- Dark Red Kidney beans
- Small Red beans (known also as Red Mexican, California Red, and Idaho Red)
- Pink beans
- Black beans
- Mung beans
- Miscellaneous beans: Beans that are not otherwise classified in these standards shall be classified and designated according to the commonly accepted commercial name of such beans (Includes Chickpeas (i.e. Garbanzo Beans))
- Large Lima beans (characteristic of the Large White Pole and Burpee Bush Lima type)

- Baby Lima beans (characteristic of Small White Lima beans of the Henderson Bush and similar types)
- Miscellaneous Lima beans: Lima beans that do not come within the classes
- Large Lima or Baby Lima shall be classified and designated according to their commonly accepted commercial name
- Mixed beans: Mixed beans shall be any mixture of beans not provided for in the classes listed above
- [62 FR 52967, Oct. 10, 1997]

103 Grades

Grades shall be the numerical grades, substandard grades, sample grades, and special grades provided for in 132 through 142. [47 FR 19310, May 5, 1982][62 FR 52967, Oct. 10, 1997]

104 Sound beans

Sound beans shall be beans that are free from defects.

105 Defects

Defects for the classes Baby Lima and Miscellaneous Lima beans shall be damaged beans, contrasting classes, and foreign material. Defects for all other classes of beans shall be splits, damaged beans, contrasting classes, and foreign material.

106 Splits

Splits shall be pieces of beans that are not damaged, each of which consists of three-fourths or less of the whole bean, and shall include any sound bean the halves of which are held together loosely.

107 Damaged beans

Damaged beans shall be beans and pieces of beans that are damaged by frost, weather, disease, weevils or other insects, or other causes.

108 Badly damaged beans

Badly damaged beans shall be beans and pieces of beans that are materially damaged or discolored by frost, weather, disease, weevils or other insects, or other causes so as to materially affect the appearance and quality of the beans.

109 Foreign material

Foreign material shall be stones, dirt, weed seeds, cereal grains, lentils, peas, and all matter other than beans. [44 FR 73007, Dec. 17, 1979]

110 Stones

Stones shall be concreted earthy or mineral matter, and other substances of similar hardness that do not disintegrate readily in water.

111 Contrasting classes

Contrasting classes shall be beans of other classes that are of a different color, size, or shape from the beans of the class designated.

112 Classes that blend

Classes that blend shall be sound beans of other classes that are similar in color, size, and shape to the beans of the class designated, and shall include white beans in the class Yelloweye which are similar in size and shape to the Yelloweye beans.

113 Broken beans

Broken beans shall be sound beans with some but less than one-fourth of each bean broken off or with one-fourth or more of the seedcoat removed.

114 Blistered beans

Blistered beans shall be sound beans with badly blistered or burst seedcoats.

115 Wrinkled beans

Wrinkled beans shall be sound beans that have deeply wrinkled seedcoats and/or are badly warped or misshapen.

116 Weevily beans

Weevily beans shall be beans that are infested with live weevils or other insects injurious to stored beans or that contain weevil-bored beans.

117 Clean-cut weevil-bored beans

Clean-cut weevil-bored beans shall be beans from which weevils have emerged, leaving a clean-cut open cavity free from larvae, webbing, refuse, mold, or stain.

118 Well screened

Well screened, as applied to the general appearance of beans, shall mean that the beans are uniform in size and are practically free from such small, shriveled, underdeveloped beans, splits, broken beans, large beans, and foreign material that can be removed readily by the ordinary process of milling or screening through the proper use of sieves.

120 30/64 sieve

A 30/64 sieve shall be a metal sieve 0.0319-inch thick perforated with round holes 0.4687 (30/64) inch in diameter which are 11/16 inch from center to center. The perforations of each row shall be staggered in relation to the adjacent rows.

121 28/64 sieve.

A 28/64 sieve shall be a metal sieve 0.0319-inch thick perforated with round holes 0.4375 (28/64) inch in diameter which are 19/32 inch from center to center. The perforations of each row shall be staggered in relation to the adjacent rows. [34 FR 7863, May 17, 1969, as amended at 54 FR 51344, Dec. 14, 1989]

122 24/64 sieve

A 24/64 sieve shall be a metal sieve 0.0319-inch thick perforated with round holes 0.3750 (24/64) inch in diameter which are 17/32 inch from center to center. The perforations of each row shall be staggered in relation to the adjacent rows.

Principles Governing Application of Standards

129 Basis of determination

The determination of "color" including "off-color" shall be upon the basis of the beans after the removal of defects. All other determinations shall be upon the basis of the beans as a whole. [62 FR 52967, Oct. 10, 1997]

130 Percentages

All percentages shall be determined upon the basis of weight, and shall be stated in terms of whole, tenths, and hundredths of a percent as required for individual factors. [62 FR 52967, Oct. 10, 1997]

131 Moisture

Moisture shall be determined by the use of equipment and procedures prescribed by the Federal Grain Inspection Service, U.S. Department of Agriculture, or determined by any method that gives equivalent results. (Information thereon may be obtained from said Service.)

[34 FR 7863, May 17, 1969, as amended at 47 FR 34516, Aug. 10, 1982][62 FR 52967, Oct. 10, 1997]

Grades, Grade Requirements, Grade Designations, Special Grades And Special Grade Requirements

137 Grades and grade requirements for the classes Marrow, Great Northern, Small White, Flat Small White, White Kidney, Light Red Kidney, Dark Red Kidney, Small Red, Pink, Black, and Miscellaneous Beans, including Chickpeas

Percent Maximum Limits of--Foreign Material								
Grade	General Appearance	Moisture [1]	Total Defects (total damaged, total foreign material, contrasting classes, splits)	Total Damaged	Total (includes stones)	Stones	Contrasting Classes [2]	Classes that Blend [3]
U.S. No. 1	The special grade Off-Color may be applied after the removal of total defects	18.0	2.0	2.0	0.5	0.2	0.5	5.0
U.S. No. 2		18.0	4.0	4.0	1.0	0.4	1.0	10.0
U.S. No. 3		18.0	6.0	6.0	1.5	0.6	2.0	15.0
U.S. Substandard		18.0						
U.S. Sample grade		18.0						

U.S. Substandard shall be beans which do not meet the requirements for the grades U.S. No. 1 through U.S. No. 3 or U.S. Sample grade. Beans which are not well screened shall also be U.S. Substandard, except for beans which meet the requirements for U.S. Sample grade.

U.S. Sample grade shall be beans which are musty, sour, heating, materially weathered, or weevily; which have any commercially objectionable odor; which contain insect webbing or filth, animal filth, any unknown foreign substance, broken glass, or metal fragments; or which are otherwise of distinctly low quality.

[1] Beans with more than 18.0 percent moisture are graded High moisture.

[2] Beans with more than 2.0 percent contrasting classes are graded Mixed beans.

[3] Beans with more than 15.0 percent classes that blend are graded Mixed beans.

[47 FR 19312, May 5, 1982; 47 FR 20549, May 13, 1982] [62 FR 52967, Oct. 10, 1997]