



**United States
Department of
Agriculture**

**Agricultural
Marketing
Service**

**Fruit and
Vegetable
Division**

**Fresh
Products
Branch**

United States Standards for Grades of Apples for Processing

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United States Standards for Grades of Apples for Processing ¹

Grades

51.340 U.S. No. 1.

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Grades

§51.340 U.S. No. 1.

"U.S. No. 1" consists of apples of one variety, unless designated as mixed varieties, which are not overripe, which are free from decay, worm holes, freezing injury and internal breakdown and free from any other defect, or combination of defects, the removal of which in the usual commercial preparation for use will cause a loss of more than 5 percent, by weight, of the apple.

§51.341 U.S. No. 2.

"U.S. No. 2" consists of apples of one variety, unless designated as mixed varieties, which are not overripe, which are free from decay, worm holes, freezing injury and internal breakdown and free from any other defect, or combination of defects, the removal of which in the usual commercial preparation for use will cause a loss of more than 12 percent, by weight, of the apple.

§51.342 U.S. Cider.

"U.S. Cider" consists of apples which are free from decay, worm holes and internal breakdown.

Culls

§51.343 Culls.

"Culls" consist of apples which fail to meet the requirements of U.S. Cider Grade.

Size

§51.344 Size.

¹Compliance with the provisions of these standard shall not excuse failure to comply with the provisions of the Federal Food, Drug and Cosmetic Act, or with applicable State laws and regulations.

- (a) The minimum and maximum sizes or range of sizes shall be determined as agreed upon by buyer and seller.
- (b) Unless otherwise specified, the minimum and maximum sizes or range of sizes shall be determined by the use of an approved sizing chain of the exact dimension specified in the agreement between buyer and seller.
- (c) Size is the dimension of the apples determined by the smallest opening through which it will pass.

Application of Standards

§51.345 Application of standards.

- (a) When a lot of apples is required to meet a specific U.S. grade, the tolerances as set forth in §51.346 shall apply. When packed in closed packages the application of tolerances in §51.347 shall apply. The application of tolerances shall not apply to apples in open or bulk containers.
- (b) In the application of these standards to determine the percentage of the lot which meets the requirements of each of the grades, tolerances shall not apply.

Tolerances

§51.346 Tolerances.

When a lot of apples is required to meet one of the U.S. grades, the apples shall not be further advanced in maturity than generally firm ripe, and the following tolerances, by weight, shall apply:

(a) **For defects.** 10 percent for apples which fail to meet the requirements of the grade: **Provided,** That included in this amount not more than the following percentages shall be allowed for the defects listed:

- (1) 2 percent for apples which are affected by decay;
- (2) 2 percent for apples which are affected by internal breakdown; and,
- (3) 5 percent for apples which are affected by worm holes.

(b) **For off-size.** 5 percent for apples which are smaller than any specified minimum size, and 10 percent for apples larger than any specified maximum size.

Application of Tolerances

§51.347 Application of tolerances.

Apples in closed packages are subject to the following limitations provided the averages for the entire lot are within the tolerances specified for the grade:

(a) For a tolerance of 10 percent, individual packages shall have not more than one and one-half times the tolerance specified. For a tolerance of less than 10 percent, individual packages shall have not more than double the tolerances specified.

Definitions

§51.348 One variety.

"One variety" within the meaning of these standards shall include all bud sports and strains of the specified variety.

§51.349 Overripe.

"Overripe" means apples which are dead ripe, and with flesh very mealy or soft.