

Agricultural Marketing Service, USDA

§ 51.712

§ 51.712 Diameter.

Diameter means the greatest dimension measured at right angles to a line from stem to blossom end of the fruit.

§ 51.713 Classification of defects.

TABLE IV

Factor	Injury	Damage	Serious damage	Very serious damage
Ammoniation .....	.....	Not occurring as light speck type	Scars are cracked or dark and aggregating more than a circle 3/4 inch in diameter or light colored and aggregating more than a circle 1 1/4 inches in diameter on a 200 size orange.	Aggregating more than 25 percent of the surface.
Buckskin .....	.....	Aggregating more than a circle 1 inch in diameter on a 200 size orange..	Aggregating more than 25 percent of the surface.	Aggregating more than 50 percent of the surface.
Caked melanose .....	.....	.....	Aggregating more than a circle 3/4 inch in diameter on a 200 size orange.	Aggregating more than 25 percent of the surface.
Creasing .....	.....	Materially weakens the skin, or extends over more than one-third of the surface.	Seriously weakens the skin, or extends over more than one-half of the surface.	Very seriously weakens the skin, or is distributed over practically the entire surface.
Dryness or mushy condition.	.....	Affecting all segments more than 1/4 inch at stem end, or the equivalent of this amount, by volume, when occurring in other portions of the fruit.	Affecting all segments more than 1/2 inch at stem end, or the equivalent of this amount, by volume, when occurring in other portions of the fruit.	Affecting all segments more than 3/4 inch at stem end, or the equivalent of this amount, by volume, when occurring in other portions of the fruit.
Green spots or oil spots.	More than slightly affecting appearance	Aggregating more than a circle 7/8 inch in diameter on a 200 size orange.	Aggregating more than a circle 1 1/4 inches in diameter on a 200 size orange.	
Hail	Not well healed, or aggregating more than a circle 1/4 inch in diameter on a 200 size orange.	Not well healed, or aggregating more than a circle 3/8 inch in diameter on a 200 size orange.	Not well healed, or aggregating more than a circle 1/2 inch in diameter on a 200 size orange.	Not well healed, or aggregating more than a circle 3/4 inch in diameter on a 200 size orange.
Scab .....	.....	Materially detracts from the shape or texture, or aggregating more than a circle 5/8 inch in diameter on a 200 size orange.	Seriously detracts from the shape or texture, or aggregating more than a circle 3/4 inch in diameter on a 200 orange.	Aggregating more than 25 percent of the surface.
Scale	More than a few adjacent to the "button" at the stem end, or more than 6 scattered on other portions of the fruit.	Aggregating more than a circle 5/8 inch in diameter on a 200 size orange.	Aggregating more than a circle 3/4 inch in diameter on a 200 size orange.	Aggregating more than 25 percent of the surface.
Scars	Depressed, not smooth, or detracts from appearance more than the amount of discoloration permitted in the grade.	Deep, rough or hard aggregating more than a circle 1/4 inch in diameter; slightly rough with slight depth aggregating more than a circle 7/8 inch in diameter; smooth or fairly smooth with slight depth aggregation more than a circle 1 1/4 inches in diameter. All areas based on a 200 size orange.	Deep, rough aggregating more than a circle 1/2 inch in diameter; slightly rough with slight depth aggregating more than a circle 1 1/4 inches in diameter. All areas based on a 200 size orange.	Deep, rough or unsightly that appearance is very seriously affected.
Skin breakdown	Aggregating more than a circle 1/4 inch in diameter on a 200 size orange.	Aggregating more than a circle 5/8 inch in diameter on a 200 size orange.	Aggregating more than 25 percent of the surface.

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Sunburn	Skin is flattened, dry, darkened or hard, aggregating more than 25 percent of the surface.	Affecting more than 1/3 of the surface, hard, decidedly one-sided, or light brown and aggregating more than a circle 1 1/4 inches in diameter on a 200 size orange.	Aggregating more than 50 percent of the surface.
Sprayburn .....	.....	.....	Hard, or aggregating more than a circle 1 1/4 inches in diameter on a 200 size orange.	Aggregating more than 25 percent of the surface.
Split, rough or protruding navels.	Split is unhealed; navel protrudes beyond general contour; opening is so wide, growth so folded and ridged that it detracts noticeably from appearance.	Split is unhealed, or more than 1/4 inch in length, or more than 3 well healed splits, or navel protrudes beyond the general contour, and opening is so wide, folded or ridged that it detracts materially from appearance.	Split is unhealed, or more than 1/2 inch in length, or aggregate length of all splits exceed 1 inch, or navel protrudes beyond general contour, and opening is so wide, folded and ridged that it seriously detracts from appearance.	Split is unhealed or fruit is seriously weakened.
Thorn scratches	Not slight, not well healed, or more unsightly than discoloration permitted in the grade.	Not well healed, or hard concentrated thorn injury aggregating more than a circle 5/8 inch in diameter on a 200 size orange.	Not well healed, or hard concentrated thorn injury aggregating more than a circle 3/4 inch in diameter on a 200 size orange.	Aggregating more than 5 percent of the surface.

§ 51.714

METRIC CONVERSION TABLE

§ 51.714 Metric conversion table.

Inches	Milli- meters (mm)
1/4 equals	6.4
5/16 equals	7.9
3/8 equals	9.5
1/2 equals	12.7
5/8 equals	15.9
3/4 equals	19.1
7/8 equals	22.2
1 equals	25.4
1 1/4 equals	31.8
2 3/16 equals	55.6
2 1/2 equals	57.2
2 7/16 equals	61.9
2 9/16 equals	63.5
2 11/16 equals	65.1
2 13/16 equals	68.3
2 15/16 equals	69.9
3 equals	74.6
3 1/16 equals	77.8
3 1/8 equals	81.0
3 1/4 equals	84.1
3 1/2 equals	87.3
3 3/4 equals	90.5
4 equals	96.8

**Subpart—United States Standards
for Grades of Florida Grapefruit**

SOURCE: 61 FR 20703, May 8, 1996, unless otherwise noted.

GRADES

§ 51.750 U.S. Fancy.

“U.S. Fancy” consists of grapefruit which meet the following requirements:

- (a) Basic requirements:
 - (1) Discoloration: Not more than one-tenth of the surface, in the aggregate, may be affected by discoloration. (See § 51.770.);
 - (2) Firm;
 - (3) Mature;
 - (4) Similar varietal characteristics;
 - (5) Smooth texture;
 - (6) Well colored; and,
 - (7) Well formed.
- (b) Free from:
 - (1) Ammoniation;
 - (2) Buckskin;
 - (3) Caked melanose;
 - (4) Decay;
 - (5) Scab;
 - (6) Sprayburn;
 - (7) Unhealed skin breaks; and,
 - (8) Wormy fruit.
- (c) Free from injury caused by:
 - (1) Bruises;

- (2) Green spots;
 - (3) Oil spots;
 - (4) Scale;
 - (5) Scars;
 - (6) Skin breakdown; and,
 - (7) Thorn scratches.
- (d) Free from damage caused by:
- (1) Dirt or other foreign material;
 - (2) Disease;
 - (3) Dryness or mushy condition;
 - (4) Hail;
 - (5) Insects;
 - (6) Sprouting;
 - (7) Sunburn; and,
 - (8) Other means.
- (e) For tolerances see § 51.760.

§ 51.751 U.S. No. 1 Bright.

The requirements for this grade are the same as for U.S. No. 1 except that fruit shall have not more than one-fifth of its surface, in the aggregate, affected by discoloration. For tolerances see § 51.760.

§ 51.752 U.S. No. 1.

“U.S. No. 1” consists of grapefruit which meet the following requirements:

- (a) Basic requirements:
 - (1) Discoloration: Not more than one-third of the surface, in the aggregate, may be affected by discoloration. (See § 51.770.);
 - (2) Fairly smooth texture;
 - (3) Fairly well colored;
 - (4) Firm;
 - (5) Mature;
 - (6) Similar varietal characteristics;
- and,
- (7) Well formed.
- (b) Free from:
 - (1) Decay;
 - (2) Unhealed skin breaks; and,
 - (3) Wormy fruit.
- (c) Free from damage caused by:
 - (1) Ammoniation;
 - (2) Bruises;
 - (3) Buckskin;
 - (4) Caked melanose;
 - (5) Dirt or other foreign material;
 - (6) Disease;
 - (7) Dryness or mushy condition;
 - (8) Green spots;
 - (9) Hail;
 - (10) Insects;
 - (11) Oil spots;
 - (12) Scab;
 - (13) Scale;