

§ 51.305

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the U.S. apple grades. When Combination grades are packed, at least 50 percent of the apples in any lot shall meet the requirements of the higher grade in the combination. (See § 51.307.)

COLOR REQUIREMENTS

§ 51.305 Color requirements.

TABLE I—COLOR REQUIREMENTS FOR SPECIFIED U.S. GRADES OF APPLES BY VARIETY

Variety	U.S. extra fancy (per-cent)	U.S. fancy (per-cent)	U.S. No. 1 (per-cent)
<b>Solid Red:</b>			
Black Ben .....	66	40	25
Gano .....	66	40	25
Winesap .....	66	40	25
Other similar varieties <sup>1</sup> .....	66	40	25
Red Sport varieties <sup>2</sup> .....	66	40	25
<b>Striped or partially red:</b>			
Jonathan .....	66	33	25
McIntosh .....	50	33	25
Cortland .....	50	33	25
Other similar varieties <sup>3</sup> .....	50	33	25
Rome Beauty .....	50	33	15
Stayman .....	50	33	15
York Imperial .....	50	33	15
Baldwin .....	50	25	15
Ben Davis .....	50	25	15
Delicious .....	50	25	15
Mammoth Black Twig .....	50	25	15
Turley .....	50	25	15
Wagener .....	50	25	15
Wealthy .....	50	25	15
Willow Twig .....	50	25	15
Northern Spy .....	50	25	15
Other similar varieties <sup>4</sup> .....	50	25	15
Hubbardston .....	50	15	10
Stark .....	50	15	10
Other similar varieties .....	50	15	10
Red June .....	50	15	( <sup>5</sup> )
Red Gravenstein .....	50	15	( <sup>5</sup> )
Williams .....	50	15	( <sup>5</sup> )
Other similar varieties .....	50	15	( <sup>5</sup> )
Gravenstein .....	25	10	( <sup>8</sup> )
Duchess .....	25	10	( <sup>5</sup> )
Other similar varieties <sup>6</sup> .....	25	10	( <sup>5</sup> )
<b>Red cheeked or blushed:</b>			
Maiden Blush .....	( <sup>7</sup> )	( <sup>5</sup> )	( <sup>8</sup> )
Twenty Ounce .....	( <sup>7</sup> )	( <sup>5</sup> )	( <sup>8</sup> )
Winter Banana .....	( <sup>7</sup> )	( <sup>5</sup> )	( <sup>8</sup> )
Other similar varieties .....	( <sup>7</sup> )	( <sup>5</sup> )	( <sup>8</sup> )
Green varieties .....	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )
Yellow varieties .....	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )
Golden Delicious .....	( <sup>10</sup> )	( <sup>10</sup> )	( <sup>9</sup> )

<sup>1</sup>Arkansas Black, Beacon, Detroit Red, Esopus Spitzenburg, King David, Lowry, Minjon.  
<sup>2</sup>When Red Sport varieties are specified as such they shall meet the color requirements specified for Red Sport varieties.  
<sup>3</sup>Haralson, Kendall, Macoun, Snow (Fameuse).  
<sup>4</sup>Bonum, Early McIntosh, Limbertwig, Milton, Nero, Paragon, Melba.  
<sup>5</sup>Tinge of color.  
<sup>6</sup>Red Astrachan, Smokehouse, Summer Rambo, Dudley.  
<sup>7</sup>Blush Cheek.  
<sup>8</sup>None.  
<sup>9</sup>Characteristic ground color.  
<sup>10</sup>thsp:75 percent or more of the surface of the apple shall show white or light green predominating over the green color.

In addition to the requirement specified for the grades set forth in §§ 51.300 to 51.304 apples of these grades shall have the percentage of color specified for the variety in Table I appearing in this section. For the solid red varieties the percentage stated refers to the area of the surface which must be covered with a good shade of solid red characteristic of the variety: *Provided*, That an apple having color of a lighter shade of solid red or striped red than that considered as a good shade of red characteristic of the variety may be admitted to a grade, provided it has sufficient additional area covered so that the apple has as good an appearance as one with the minimum percentage of good red characteristic of the variety required for the grade. For the striped red varieties the percentage stated refers to the area of the surface in which the stripes of a good shade of red characteristic of the variety shall predominate over stripes of lighter red, green, or yellow. However, an apple having color of a lighter shade than that considered as a good shade of red characteristic of the variety may be admitted to a grade, provided it has sufficient additional area covered so that the apple has as good an appearance as one with the minimum percentage of stripes of a good red characteristic of the variety required for the grade. Faded brown stripes shall not be considered as color except in the case of the Gray Baldwin variety.

(a) Color standards USDA Visual Aid APL-L-1 (including plates (A), (B), (C), (D), (E), and (F)) consist of a folder containing the color requirements for apples set forth in this section and five plates illustrating minimum good shade of solid red or striped red color, minimum compensating color and a shade not considered color, for Red Delicious, Winesap, Delicious, McIntosh, and Jonathan varieties, and one plate illustrating minimum white or light green color and characteristic color for the Golden Delicious variety. These color standards may be examined in the Fruit and Vegetable Division, AMS, U.S. Department of Agriculture, South Building, Washington, D.C. 20250; in any field office of the Fresh Fruit and Vegetable Inspection Service; or upon request of any authorized

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inspector of such Service. Duplicates of the color standards may be purchased from the John Henry Co., Post Office Box 1410, Lansing, MI 48904.

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UNCLASSIFIED

### § 51.306 Unclassified.

“Unclassified” consists of apples which have not been classified in conformity with any of the foregoing grades. The term “unclassified” is not a grade within the meaning of these standards but is provided as a designation to show that no definite grade has been applied to the lot.

TOLERANCES

### § 51.307 Tolerances.

In order to allow for variations incident to proper grading and handling in each of the foregoing grades the following tolerances are provided as specified:

(a) *Defects*—(1) *U.S. Extra Fancy, U.S. Fancy, U.S. No. 1, U.S. No. 1 Early and U.S. No. 1 Hail grades.* 10 percent of the apples in any lot may fail to meet the requirements of the grade, but not more than one-half of this amount, or 5 percent, shall be allowed for apples which are seriously damaged, including therein not more than 1 percent for apples affected by decay or internal breakdown.

(2) *U.S. Utility grade.* 10 percent of the apples in any lot may fail to meet the requirements of the grade, but not more than one-half of this amount, or 5 percent, shall be allowed for apples which are seriously damaged by insects, and including in the total tolerance not more than 1 percent for apples affected by decay or internal breakdown.

(b) When applying the foregoing tolerances to Combination grades no part of any tolerance shall be allowed to reduce, for the lot as a whole, the 50 percent of apples of the higher grade required in the combination but individual containers shall have not less than 40 percent of the higher grade.

(c) *Size.* When size is designated by the numerical count for a container, not more than 5 percent of the apples in the lot may vary more than ¼ inch in diameter. When size is designated by minimum or maximum diameter, not more than 5 percent of the apples in any lot may be smaller than the designated minimum and not more than 10 percent may be larger than the designated maximum.

APPLICATION OF TOLERANCES

### § 51.308 Application of tolerances.

The contents of individual packages in the lot, are subject to the following limitations: *Provided*, That the averages for the entire lot are within the tolerances specified for the grade:

(a) Packages which contain more than 10 pounds:

(1) Shall have not more than one and one-half times a specified tolerance of 10 percent or more and not more than double a tolerance of less than 10 percent, except that at least one apple which is seriously damaged by insects or affected by decay or internal breakdown may be permitted in any package.

(b) Packages which contain 10 pounds or less:

(1) Not over 10 percent of the packages may have more than three times the tolerance specified, except that at least one defective apple may be permitted in any package: *Provided*, That not more than one apple or more than 6 percent (whichever is the larger amount) may be seriously damaged by insects or affected by decay or internal breakdown.

CALCULATION OF PERCENTAGES

### § 51.309 Calculation of percentages.

(a) When the numerical count is marked on the container, percentages shall be calculated on the basis of count.

(b) When the minimum diameter or minimum and maximum diameters are marked on a container or when the apples are jumbled in a container or in bulk, percentages shall be calculated