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. (A) Color standards USDA Visual Aid APL-CC–1 (Plates a—e) consists 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 shade not considered color, for the following 12 varieties: Red Delicious, Red Rome, Empire, Idared, Winesap, Jonathan, Stayman, McIntosh, Cortland, Rome Beauty, Delicious, and York.

These color standards will be available for examination and purchasing information in the Fresh Products Branch, Fruit and Vegetable Programs, AMS, U.S. Department of Agriculture, South Building, Washington, DC 20250; in any field office of the Fresh Products Branch; or upon request of any authorized inspector of the Fresh Fruit and Vegetable Inspection Service.

TABLE 1 [1]

[Only the varieties listed below shall be required to meet a minimum color requirement]

Variety	U.S. extra fancy (Percent)	U.S. fancy (Percent)	U.S. No. 1 (Percent)
Red Delicious	66	40	25
Red Rome	66	40	25
Empire	66	40	25
Idared	66	40	25
Winesap	66	40	25
Jonathan	66	40	25
Stayman	50	33	25
McIntosh	50	33	25
Cortland	50	33	25
Rome Beauty	50	33	25
Delicious	50	33	25
York	50	33	25

[1] Variations on varietal designations listed above must meet or exceed those color requirements listed.

TOLERANCES

§ 51.306 Tolerances.

In order to allow for variations incident to proper grading and handling in each of the grades in 51.300, 51.301, 51.302, 51.303, and 51.304 the following tolerances are provided as specified:

(a) *Defects:* (1) U.S. Extra Fancy, U.S. Fancy, U.S. No. 1, 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 10 percent of packages in the lot may fail to be fairly uniform.[1] 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. For Red Delicious or Golden Delicious varieties only, a combination of minimum diameter and/or weight may be used. When this designation is used, an individual apple will be considered to have met the minimum size requirement even if the apple is smaller than the minimum diameter, provided it is equal to or greater than the weight provided in table II of this section. However, not more than 5 percent of the apples in any lot may fail to meet either the minimum diameter or minimum weight when so designated. In addition, when Red Delicious or Golden Delicious apples are designated with diameter/weight combinations, they may only be designated according to the following table:

TABLE II

Red delicious	Golden delicious
2⅛ inches or 65 grams	63 grams
2¼ inches or 75 grams	70 grams
2⅜ inches or 84 grams	82 grams
2½ inches or 100 grams	95 grams
2⅝ inches or 115 grams	109 grams
2¾ inches or 139 grams	134 grams

APPLICATION OF TOLERANCES

§ 51.307 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.

(2) [Reserved]

(b) Packages which contain 10 pounds or less:

(1) No package may have more than 3 times the tolerance specified, except that at least three defective apples may be permitted in any package: *Provided*, That not more than three apples or more than 18 percent (whichever is the larger amount) may be seriously damaged by insects or affected by decay or internal breakdown.

(2) [Reserved]

METHODS OF SAMPLING AND CALCULATION OF PERCENTAGES

§ 51.308 Methods of sampling and calculation of percentages.

(a) When the numerical count is marked on the container, containers are packed to weigh ten pounds or less, or in any container where the minimum diameter of the smallest apple does not vary more than ½ inch from the minimum diameter of the largest apple, percentages shall be calculated on the basis of count.

(b) In all other cases except those listed in paragraph (a) of this section, they shall be calculated on the basis of weight.

CONDITION AFTER STORAGE OR TRANSIT

§ 51.309 Condition after storage or transit.

Decay, scald, or any other deterioration which may have developed on apples after they have been in storage or transit shall be considered as affecting condition and not the grade.

PACKING REQUIREMENTS

§ 51.310 Packing requirements.

(a) Apples tray packed or cell packed in cartons shall be arranged according to approved and recognized methods.

[1] ''Fairly uniform'' means the size of the fruit within the container does not vary more than ½ inch diameter from the smallest to largest fruit.