

§51.3416 Classification of defects.

EXTERNAL DEFECTS

Defects	Maximum allowed for U.S. No. 1 processing	Maximum allowed for U.S. No. 2 processing
Air cracks	5% waste	10% waste.
Blackleg	5% waste	10% waste.
Bruises	5% waste	10% waste
Cuts	Smooth, not more than 10% of surface.	Smooth, not more than 1/3 of surface.
Enlarged lenticels, discolored or sunken.	5% waste	10% waste.
Flea Beetle	5% waste	10% waste
Folded end	5% waste	10% waste.
Fusarium tuber rot	5% waste	10% waste.
Grass, wireworm ..	5% waste	10% waste.
Greening, light	5% waste	10% waste.
Growth cracks	See Footnote No. 2.	10% waste.
Grub	5% waste	10% waste.
Ingrown sprouts	5% waste	10% waste.
Nematodes	5% waste	10% waste.
Rhizoctonia, solid or thick mounded.	Not more than 10% of surface.	Not more than 25% of surface.
Rodent, bird damage.	5% waste	10% waste.
Scab, pitted	5% waste	10% waste.
Scab, russet	25% of surface or 5% waste.	50% of surface or 10% waste.
Scab, surface	25% of surface or 5% waste.	50% of surface or 10% waste.
Scab, surface (elephant hide)..	10% of surface or 5% waste.	25% of surface or 10% waste.
Second growth	5% waste	10% waste.
Scaling, surface cracks—when cracked, thick and has depth.	10% of surface or 5% waste.	25% of surface or 10% waste.
Sunburn	5% waste	10% waste.
Sunken discolored areas.	5% waste	10% waste.

INTERNAL DEFECTS

Defects	Maximum allowed for U.S. No. 1 processing	Maximum allowed for U.S. No. 2 processing
Occurring outside of or not entirely confined to the vascular ring		
Internal Black Spot, Internal Discoloration, Vascular Browning, Fusarium Wilt, Net Necrosis, Other Necrosis, Stem End Browning.	5% waste	10% waste.
Occurring entirely within the vascular ring		
Hollow Heart or Hollow Heart with Discoloration.	Area affected not to exceed that of a circle 7/8 inch in diameter in a 10 ounce potato. ¹	Area affected not to exceed that of a circle 1 1/4 inches in diameter in a 10 ounce potato. ¹

INTERNAL DEFECTS—Continued

Defects	Maximum allowed for U.S. No. 1 processing	Maximum allowed for U.S. No. 2 processing
Light Brown Discoloration (Brown Center).	Area affected not to exceed that of a circle 7/8 inch in diameter in a 10 ounce potato. ¹	Area affected not to exceed that of a circle 1 1/4 inches in diameter in a 10 ounce potato. ¹
Internal Brown Spot and similar discoloration (Heat Necrosis).	Not more than the equivalent of 3 scattered spots 1/8 inch in diameter in a potato 6 ounces in weight or 2 1/2 inches in diameter, or correspondingly lesser or greater number of spots in smaller or larger potatoes.	Not more than the equivalent of 6 scattered spots 1/8 inch in diameter in a potato 6 ounces in weight or 2 1/2 inches in diameter or correspondingly lesser or greater number of spots in smaller or larger potatoes.

¹ Note: Or correspondingly lesser or greater areas in smaller or larger potatoes.

§51.3417 Optional test for specific gravity.

Tests to determine specific gravity shall be made in accordance with the procedures set forth in this section.

(a) The potatoes used for such determinations shall be:

(1) Taken at random from a composite sample drawn from containers representative of the lot.

(2) A comparable sample from a bulk load or storage bin.

(3) From a portion of the divided sample initially drawn or submitted for determination of grade or contract compliance.

(4) Representative of the lot with respect to size and quality.

The specific gravity for any lot of potatoes shall be the average of at least 3 corrected readings on separate tests from the composite sample. Specific gravity may also be determined, if requested, in accordance with size classifications or weighted value in proportion to size and/or grade separations in the lot.

(b) Specific gravity shall be determined by either;

(1) Calculation from the weights of the sample in air and in water made with USDA approved equipment. The reading obtained from each test shall be corrected for temperature variations using Table I.