

§ 4-41-57

STANDARDS FOR HAWAII-GROWN SWEET POTATOES *

This UNOFFICIAL COPY of standards for sweet potatoes, rewritten for easy interpretation, is based on Chapter 4-41, Hawaii Administrative Rules, Standards for Fresh Fruits and Vegetables. The general provisions of this Chapter, summaries of standards for other fruits and vegetables, and official copies of the complete chapter are available in each county.

<u>HAWAII FANCY (GRADE AA)</u>	<u>HAWAII NO. 1 (GRADE A)</u>	<u>HAWAII NO. 2 (GRADE B)</u>
<u>Basic Requirements</u>	<u>Basic Requirements</u>	<u>Basic Requirements</u>
Single variety (1)	Single type (2)	Single type (2)
Firm (3)	Firm (3)	Firm (3)
Smooth (4)	Fairly smooth (5)	Not more than slightly
Fairly clean (6)	Fairly clean (6)	dirty (7)
Well shaped (8)	Fairly well shaped (9)	Not badly misshapen (10)
<u>Free From</u>	<u>Free From</u>	<u>Free From</u>
Freezing injury	Freezing injury	Freezing injury
Internal breakdown, black rot, wet break- down or other decay	Internal breakdown black rot, wet break- down or other decay	Internal breakdown, black rot, wet break- down or other decay
Insects	Insects	Insects
Insect hole or tunnel	Rodent injury	
Rodent injury		
Sprouts		
Growth cracks		
<u>Free From Injury (11)</u>	<u>Free From Damage (12)</u>	<u>Free From Serious Damage (13)</u>
<u>Caused By</u>	<u>Caused By</u>	<u>Caused By</u>
Secondary rootlets	Secondary rootlets	Cuts
Cuts	Cuts	Bruises
Bruises	Bruises	Scars
Scars	Scars	Growth cracks
Scurf or other disease	Scurf or other disease	Grass roots
Insects	Growth cracks	Wireworms, weevils or other insects
Mechanical or other means	Grass roots	Mechanical or other means
	Wireworms, weevils or other insects	
	Sprouts	
	Mechanical or other means	

*Numbers in parentheses following grade terms indicate where such terms are defined under "Definitions."

Size Requirements

Diameter (14) 1-3/4 to 3-1/4 inches; length 3 to 9 inches; and weight not more than 16 ounces.

Size Requirements

Unless otherwise specified, diameter (14) 1-3/4 to 3-3/4 inches; length 3 to 10 inches; and weight not more than 24 ounces.

Size Requirement

Unless otherwise specified, diameter (14) not less than 1-3/4 inches and weight not more than 32 ounces.

Tolerances (weight basis)

Defects: Total 10%; provided not more than 5% damage, included therein not more than 3% serious damage by weevils and not more than 1% soft rot or wet breakdown.

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Defects: Total 10%; provided not more than 3% serious damage by weevils and not more than 1% soft rot or wet breakdown.

Off-size: Total 10%; provided not more than 5% below the minimum diameter or minimum length specified.

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OFF-GRADE. "Off-grade" is not a grade within the meaning of these standards, but is a descriptive term applicable to sweet potatoes which have a market value, and designates a quality lower than the lowest applicable Hawaii, other states or the United States grade for sweet potato.

APPLICATION OF TOLERANCES. Averages for the entire lot, based on examination of representative samples, shall be within the tolerances specified, but the contents of individual containers in any lot may vary from the specified tolerances subject to the following limitations:

When the tolerance specified is more than 5 percent, individual packages in any lot may contain not more than 1-1/2 times the tolerance, provided that at least one specimen which fails to meet the requirements shall be permitted in any container.

When the tolerance specified is 5 percent or less, individual packages in any lot may contain not more than double the tolerance, provided that at least one specimen which fails to meet the requirements shall be permitted in any container.

APPLICABLE GRADE TERMS. Sweet potatoes shall be classified in accordance with the grading system designated below:

Wholesale Quantities - HAWAII FANCY, HAWAII NO. 1 or HAWAII NO. 2, whichever is applicable.

Consumer Packages and Bulk Displays - HAWAII GRADE AA, HAWAII GRADE A or HAWAII GRADE B, whichever is applicable.

MINIMUM EXPORT GRADE. Sweet potatoes for export shall at least meet the requirements of HAWAII NO. 1 sweet potatoes.

DEFINITIONS.

- (1) "Single variety" means the sweet potatoes have the same type and color of flesh and practically the same skin color.
- (2) "Single type" means the sweet potatoes have the same type of flesh and do not show an extreme range in skin color. For example, dry type sweet potatoes shall not be mixed with those that are of the semi-moist or moist type, and deep red or purple skinned sweet potatoes shall not be mixed with those that are yellow or reddish copper in color.
- (3) "Firm" means not flabby or shriveled.
- (4) "Smooth" means the sweet potato is free from coarse veining or other defects which cause a roughness to the extent that its appearance is appreciably affected.
- (5) "Fairly smooth" means the sweet potato is not prominently veined and free from other defects which cause a roughness to the extent that its appearance is materially affected.
- (6) "Fairly clean" means the individual sweet potato is not noticeably caked with dirt and the lot is reasonably free from dirt or foreign material.
- (7) "More than slightly dirty" means the individual sweet potato is badly caked with dirt, or the appearance of the lot is seriously affected by sweet potatoes caked with dirt.
- (8) "Well shaped" means the sweet potato is not so curved, crooked, constricted, ridged or otherwise misshapen that its appearance is appreciably affected.
- (9) "Fairly well shaped" means the sweet potato is not so curved, crooked, constricted, ridged or otherwise misshapen that its appearance is materially affected, or there is a loss of more than 5 percent of the total weight of the sweet potato in the ordinary preparation for use.
- (10) "Badly misshapen" means the sweet potato is so curved, crooked, constricted, ridged or otherwise misshapen that its appearance is seriously affected, or there is a loss of more than 10 percent of the total weight of the sweet potato in the ordinary preparation for use.
- (11) "Injury" means any specific defect described in Table 1, Classification of Defects; or an equally objectionable variation of any one of these defects, any other defect, or any combination of defects, which appreciably detracts from the appearance, or the edible or shipping quality of the sweet potato; or any defect, except shape, which cannot be removed without a loss of more than 2 percent of the total weight of the sweet potato, including the peel covering the defective area.

(12) "Damage" means any specific defect described in Table 1, Classification of Defects; or an equally objectionable variation of any one of these defects, any other defect, or any combination of defects, which materially detracts from the appearance, or the edible or shipping quality of the sweet potato; or any defect, except shape, which cannot be removed without a loss of more than 5 percent of the total weight of the sweet potato, including the peel covering the defective area.

(13) "Serious damage" means any specific defect described in Table 1, Classification of Defects; or an equally objectionable variation of any one of these defects, any other defect, or any combination of defects, which seriously detracts from the appearance, or the edible or shipping quality of the sweet potato; or any defect, except shape, which cannot be removed without a loss of more than 10 percent of the total weight of the sweet potato, including the peel covering the defective area.

(14) "Diameter" means the distance across the smallest round opening through which the sweet potato will pass.

Table 1. Classification of Defects

FACTOR	INJURY	DAMAGE	SERIOUS DAMAGE
Secondary rootlets	More than 5 short rootlets present or when a lesser number of longer rootlets affect appearance to a greater extent than 5 short rootlets.	Appearance of the individual sweet potato is badly affected or the general appearance of the lot is materially affected.	
Scurf	General appearance of the lot is appreciably affected; or more than 1/8 of the surface of the individual sweet potato is affected by a solid, light brown discoloration. Lighter shades of discoloration may be permitted over a greater area and darker shades shall be restricted to a lesser area, pro-	General appearance of the lot is materially affected; or more than 1/4 of the surface of the individual sweet potato is affected by a solid, light brown discoloration. Lighter shades of discoloration may be permitted over a greater area and darker shades shall be restricted to a lesser area, provided that no discoloration shall be	

	<p>vided that no discoloration shall be permitted which affects the appearance to a greater extent than the amount of solid light brown discoloration permitted.</p>	<p>permitted which affects the appearance to a greater extent than the amount of solid light brown discoloration permitted.</p>	
Growth cracks		<p>Materially affecting appearance of the individual sweet potato or the general appearance of the lot.</p>	<p>Unhealed cracks; or when seriously affecting the appearance of the individual sweet potato or the general appearance of the lot.</p>
Sprouts		<p>More than 10% of the sweet potatoes with sprouts over 3/4 inch long.</p>	
Grass root, wireworm, weevil or similar injury		<p>Any hole longer than 3/4 inch on a 6 to 8 ounce sweet potato or when the aggregate length of all holes is more than 1-1/4 inches. Smaller potatoes shall have proportionately lesser amounts and larger potatoes may have greater amounts provided that the removal of the defect by proper trimming does not affect appearance to a greater extent than the proper trimming of such defect on a 6 to 8 ounce sweet potato.</p>	<p>Any hole longer than 1-1/4 inches on a 6 to 8 ounce sweet potato or when the aggregate length of all holes is more than 2 inches. Smaller potatoes shall have proportionately lesser amounts and larger potatoes may have greater amounts, provided that the removal of the defect by proper trimming does not affect appearance to a greater extent than the proper trimming of such defect on a 6 to 8 ounce sweet potato.</p>
Dry rot			<p>Any degree.</p>

