

§4-41-38. STANDARDS FOR HAWAII-GROWN CELERY\*

This UNOFFICIAL COPY of standards for celery, 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.

HAWAII FANCY (GRADE AA)	HAWAII NO. 1 (GRADE A)	HAWAII NO. 2 (GRADE B)
<u>Basic Requirements</u> Similar varietal characteristics (1) Well developed (2) Good heart formation (4)  Clean (6) Well trimmed (7) Compact (8) Fairly well blanched (10) if not of pascal type  <u>Free From</u> Blackheart Decay Brown stem Doubles  <u>Free From Damage (11)</u> <u>Caused By</u> Seedstem Wilting Blight Worms Freezing Suckers Growth cracks Hollow crown Pithy branches Disease Insects  Mechanical or other means	<u>Basic Requirements</u> Similar varietal characteristics (1) Fairly well developed (3) Fairly good heart formation (5) Clean (6) Well trimmed (7) Fairly Compact (9) Fairly well blanched (10) if not of pascal type  <u>Free From</u> Blackheart Decay  <u>Free From Damage (11)</u> <u>Caused By</u> Seedstem Wilting Blight Worms Freezing Suckers Growth cracks Hollow crown Pithy branches Disease Insects Brown stem Doubles Mechanical or other means	<u>Basic Requirements</u> Similar varietal characteristics (1) Fairly well developed (3)  Clean (6) Well trimmed (7)  Fairly well blanched (10) if not of pascal type  <u>Free From</u> Blackheart Decay  <u>Free From Damage (11)</u> <u>Caused By</u> Seedstem  <u>Free From Serious Damage (12) Caused By</u> Wilting Blight Worms Freezing Suckers Growth cracks Hollow crown Pithy branches Disease Insects Brown stem Doubles Mechanical or other means

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

Midrib Length (13)

Outer whorl of branches shall average not less than 7-1/2 inches.

Midrib Length (13)

Outer whorl of branches shall average not less than 6 inches.

Midrib Length (13)

Outer whorl of branches shall average not less than 5 inches.

Stalk Length (14)

Most branches at upper end of stalk shall extend to within 1-1/2 inches of one side of the container when the butt is touching the opposite side. (Applies to wholesale quantities only.)

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Tolerances (count basis)

Defects: Total 10%; provided not more than 2% decay.  
Off-size: Midrib length 5% and stalk length 5%.

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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 celery which have a market value, and designates a quality lower than the lowest applicable Hawaii, other states or the United States grade for celery.

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 tolerances 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. Celery 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. Celery for export shall at least meet the requirements of Hawaii No. 1 celery.

DEFINITIONS.

- (1) "Similar varietal characteristics" means the stalks (17) are of the same color and character of growth.
- (2) "Well developed" means the combined width (15) and thickness (16) of each outer branch, as measured at a point half-way of the midrib length (13), shall total at least 1-1/8 inches for varieties with blocky midribs and 1-1/4 inches for varieties with flat midribs.
- (3) "Fairly well developed" means the combined width (15) and thickness (16) of each outer branch, as measured at a point half-way of the midrib length (13), shall be at least 7/8 inch for varieties with blocky midribs and at least 1 inch for varieties with flat midribs.
- (4) "Good heart formation" means the stalk has a reasonable number of stocky inner heart branches that are not longer than 1/2 the overall length of the stalk.
- (5) "Fairly good heart formation" means the inner heart branches are of reasonable number, length and stockiness.
- (6) "Clean" means the stalk is practically free from dirt or other foreign material.
- (7) "Well trimmed" means the coarse and damaged outer branches and all fibrous roots have been removed, and the remaining portion of the tap root has been neatly cut off and does not extend more than 1 inch beyond the point of attachment of the outer branches.
- (8) "Compact" means the branches are fairly close together on the stalk.
- (9) "Fairly compact" means the branches are reasonably close together.
- (10) "Fairly well blanched" means the midrib portion of the branches are generally of a light greenish to creamy white color.
- (11) "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 celery.
- (12) "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 celery.

(13) "Midrib length" means the distance between the first node and the point of attachment of the branch to the root.

(14) "Stalk length" means the distance from where the main root is cut off to a point that represents the average length of the longest branches and leaves.

(15) "Width" means the overall width of the midrib and is measured from side to side.

(16) "Thickness" means the greatest thickness at any point and is measured from the inner to the outer part of the midrib.

(17) "Stalk" means an individual plant.

Table 1. Classification of Defects

FACTOR	DAMAGE	SERIOUS DAMAGE
Blight	Midribs of 3 or more branches affected; more than 5 small spots on midrib of 2 or more branches; or the tops of 3 or more branches slightly spotted or the tops of 2 branches moderately spotted.	Midrib of more than 4 branches affected; more than 10 small spots on midrib of more than 2 branches; or the tops of more than 5 branches slightly spotted or tops of more than 3 branches moderately spotted or tops of more than 2 branches badly spotted.
Worms	Worms are present; or worm injury occurs on heart branches or on midrib of more than 2 branches, or aggregate more than 2/3 square inch on a midrib.	Worms are present; or worm injury occurs on heart branches or on midrib of more than 3 branches, or aggregate more than 1 square inch on a midrib.
Growth cracks	More than 2 branches affected by cracks that are more than 1/2 inch long.	More than 4 branches affected by cracks that are more than 1/2 inch long.
Pithy branches	More than 1 branch with a distinct open texture in the central portion of the midrib.	More than 2 branches pithy.
Doubles	Stalks not separated and appearance is materially affected; separated and either of the stalks is badly curved; or the heart branches are not well protected.	Heart branches exposed.
Seedstem	Any identifiable seedstem is present.	