

§ 4-41-44

STANDARDS FOR HAWAII-GROWN LETTUCE\*

This UNOFFICIAL COPY of standards for lettuce, 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>
Similar varietal characteristics (1)	Similar varietal characteristics (1)	Similar varietal characteristics (1)
Fresh (2)	Fresh (2)	Fresh (2)
Firm (3)	Fairly firm (4)	Not badly misshapen (7)
Well formed (5)	Fairly well formed (6)	Well trimmed (8) but may be
Well trimmed (8) but not excessively trimmed (9)	Well trimmed (8) but not excessively trimmed (9)	excessively trimmed (9)
Well grown (10)	Well grown (10)	Not split, burst (11) or open
Not split, burst (11) or open	Not split, burst (11) or open	
<u>Cleanness:</u> In addition to the above requirements, heads of lettuce designated as HAWAII FANCY, HAWAII GRADE AA, HAWAII GRADE A or HAWAII GRADE B shall be clean (12) and those heads designated as HAWAII NO. 1 shall be fairly clean (13). Lettuce designated as HAWAII NO. 2 shall be free from damage caused by dirt (see Table 1, Classification of Defects).		
<u>Free From</u>	<u>Free From</u>	<u>Free From</u>
Decay	Decay	Decay
Tipburn	Doubles (14)	
Doubles (14)		<u>Free From Damage (15)</u>
Russet	<u>Free From Damage (15)</u>	<u>Caused By</u>
Brown blight	<u>Caused By</u>	Seedstems
Spotted wilt	Seedstems	Freezing
	Broken midribs	Russet
<u>Free From Damage (15)</u>	Freezing	Brown blight
<u>Caused By</u>	Sunburn	Spotted wilt
Seedstems	Discoloration	Dirt
Broken midribs	Disease	
Freezing	Aphids or other insects	
Sunburn	Russet	
Discoloration	Brown blight	
Disease	Spotted wilt	
Aphids or other insects	Tipburn	
Mechanical or other means	Mechanical or other means	

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

Free From Serious Damage  
(16) Caused By  
 Wilting  
 Tipburn  
 Broken midribs  
 Discoloration  
 Disease  
 Aphids or other insects  
 Mechanical or other means

Tolerances (count basis)  
 Defects: Total 10%;  
 provided not more than  
 5% serious damage,  
 including 2% soft rot  
 affecting compact  
 portion of the head.

Tolerances (count basis)  
 Defects: Total 10%;  
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 5% serious damage,  
 including 2% soft rot  
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Tolerances (count basis)  
 Defects: Total 10%;  
 provided not more than  
 2% soft rot affecting  
 compact portion of the  
 head.

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

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. Lettuce 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.

DEFINITIONS.

(1) "Similar varietal characteristics" means the heads have the same characteristic leaf growth. For example, lettuce of the Iceberg and Big Boston types shall not be mixed.

(2) "Fresh" means the head is crisp, although the wrapper leaves or, in the absence of wrapper leaves, one or two head leaves may be slightly wilted.

(3) "Firm" means that as applied to:

Iceberg type lettuce, the head is compact but may yield slightly to moderate pressure.

Big Boston type lettuce, the head is fairly compact.

(4) "Fairly firm" when applied to heads of Iceberg type lettuce means the head is fairly compact and has good head formation and is not soft or spongy; and when applied to Big Boston type lettuce means the head is not soft or spongy.

(5) "Well formed" means the head is reasonably symmetrical and midribs are not protruding or abnormally prominent.

(6) "Fairly well formed" means the head is fairly symmetrical and not decidedly off shape in any respect, and the midribs are not excessively prominent and protruding.

(7) "Not badly misshapen" means the midribs are not badly curved and do not protrude excessively, although the head may be asymmetrical and irregular in shape.

(8) "Well trimmed" means the butt is trimmed-off neatly close to the point of attachment of the outer leaves and the outermost leaves of the head show some shade of green color. In addition, no wrapper leaves shall be permitted on lettuce sold direct to consumers, and lettuce sold in wholesale quantities shall have no more than 4 wrapper leaves per head, provided such wrapper leaves are not coarse, materially torn or badly blistered. "Wrapper leaves" means leaves which do not closely enfold the compact portion of the head.

(9) "Excessively trimmed" means the outer head leaves have been removed exposing the tender, inner leaves.

(10) "Well grown" means the heads or the plants are not stunted or poorly developed.

(11) "Burst" means the head is broken open.

(12) "Clean" means the head is practically free from dirt or other foreign material.

(13) "Fairly clean" means the appearance of the head or plant is not materially affected by the presence of dirt or other foreign material.

(14) "Doubles" means two heads on the same stem.

(15) "Damage" means any specific defect described in Table 1, Classification of Defects; or an equally objectionable variation of any one of these defects,

(16) "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 materially detracts from the appearance, or the edible or shipping quality of the lettuce.

Table 1. Classification of Defects

FACTOR	DAMAGE	SERIOUS DAMAGE
Seedstems	Apparent upon inspection of the head.	
Broken midribs	More than 2 outer head leaves affected.	More than 4 outer head leaves affected.
Tipburn	Aggregating an area more than 1 inch long and 1/2 inch wide.	Any single spot more than 1-1/2 inches long and 3/4 inch wide.
Freezing	Discoloration of outer head leaves over more than half the crown, or more than 3 outer head leaves appreciably affected.	
Sunburn	Discoloration of head leaves over more than half the crown.	
Aphids	Infestation on compact portion of head, or wrapper leaves badly infested.	
Dirt	Head smeared with mud, or wrapper leaves badly smeared with mud, or basal portion caked with mud or dry dirt, or head and wrapper leaves covered with heavy layer of dust.	