

NEW YORK STATE DEPARTMENT OF AGRICULTURE AND MARKETS

Bureau of Markets

Peter G. TenEyck, Commissioner

W. J. Birdsall

Director

MARKETING

WESTERN AND CENTRAL

NEW YORK STATE

L E T T U C E

SUMMARY OF THE 1934 SEASON

By

A. L. Thomas

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300 TERMINAL BUILDING

H. S. DUNCAN, DIRECTOR

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MARKETING WESTERN NEW YORK LETTUCE
SEASON 1934.

As in previous seasons, the New York State Department of Agriculture and Markets assembled at its Rochester office, and disseminated to New York State growers and shippers both direct and through their various vegetable growers' associations, information regarding the daily movement of lettuce. The information thus gathered is summarized in the pages which follow, which also include data of a more general nature compiled and issued by the United States Department of Agriculture.

All railroads traversing Western and Central New York furnished daily wires showing the destinations of all lettuce and mixed cars containing lettuce and other vegetables moving from their divisions. This information, consolidated and summarized daily in Rochester, was sent by telephone or telegraph (charges collect) to growers, shippers, and others requesting it. No price information was gathered and no reports were sent out by mail, but a daily summary of shipments and destinations was furnished to the Rochester Times Union, Democrat and Chronicle, and the Buffalo Evening News. These newspapers also carried a special press release covering prices and other information on lettuce in New York City, furnished them by the New York City office of the State Department of Agriculture and Markets. A Monthly Report of Destinations was mimeographed and mailed to all parties requesting it.

ACREAGE AND PRODUCTION

In New York State, the acreage planted, or intended to be planted was estimated to be approximately 5,000 as compared with a harvested acreage last season of 5,400. This acreage includes all land planned to be double cropped. Due to an extremely dry summer, it is probable that the planned acreage was not carried out and that somewhat less than 5,000 acres were actually harvested. The production this season was estimated at 2,500,000 crates of two dozen heads each compared with 1,674,000 crates during the 1933 season. According to the Crop Reporting Board of the U. S. Department of Agriculture, the average price received by growers for the entire crop marketing season was 40 cents as compared with 75 cents during 1933. The farm value of this year's crop was estimated at \$400,000 in comparison with \$628,000 in 1933. On another page in this summary will be found the estimated commercial acreage, yield per acre, and production for the various states.

The quality of the lettuce this year was greatly affected by the dry weather and consequently a considerable amount of stock was of ordinary quality and condition, a little bottom rot and tip burn showed up as early as the first of July and as the season advanced it became worse.

ESTIMATED COMMERCIAL ACREAGE, YIELD, AND PRODUCTION OF LETTUCE
(Seasons 1932, 1933, and 1934)

GROUP and STATE	ACREAGE			YIELD PER ACRE			PRODUCTION		
	1932	1933	1934	1932	1933	Prelim. 1934	1932	1933	1934
	<u>Acres</u>			<u>Crates*</u>			<u>1,000 crates*</u>		
<u>Early:</u>									
Arizona	13,000	12,400	11,000	70	95	75	910	1,178	825
Calif. Imperial	33,500	30,000	31,500	110	103	98	3,685	3,090	3,087#
Florida	1,700	1,650	1,800	218	348	330	370	574	594
Lettuce	1,000	950	1,100	200	295	236	200	280	260
Escarole	700	700	700	243	420	477	170	294	334
Texas	160	100	--	38	60	--	6	6	--
Group Total	48,360	44,150	44,300	103	110	102	4,971	4,848	4,506#
<u>Second Early:</u>									
Arizona	14,400	13,000	14,000	110	103	105	1,584	1,339	1,470
Calif. Other	32,120	27,250	27,550	82	115	135	2,634	3,134	3,719
North Carolina	1,200	1,350	700	36	75	60	43	101	42
South Carolina	200	400	250	80	116	150	16	46	38
Group Total	47,920	42,000	42,500	89	110	124	4,277	4,620	5,269
<u>Intermediate:</u>									
Idaho	80	80	250	150	150	200	12	12	50
New Jersey	800	1,000	900	200	250	215	160	250	194
Oregon	160	180	200	85	85	75	14	15	15
Virginia	200	200	160	170	175	150	34	35	24
Washington	3,300	4,100	4,500	205	190	190	676#	779#	855
Group Total	4,540	5,560	6,010	197	196	189	896#	1,091#	1,138
<u>Late (1):</u>									
California	14,050	9,250	16,100	117	141	123	1,644	1,304	1,980
Colorado	8,310	5,630	5,480	100	100	90	831#	563	493
New Mexico	20	200	480	100	95	90	2	19	43
NEW YORK **	5,650	5,400	5,000	210	155	200	1,186	837	1,000
Pennsylvania	250	250	250	200	180	160	50	45	40
Group Total	28,280	20,730	27,310	131	134	130	3,713#	2,768	3,556
<u>Late (2)</u>									
California	32,500	26,600	31,000	109	137	129	3,542	3,644	3,999
Idaho	450	700	900	175	180	200	79	126	180
New Jersey	900	750	700	235	225	150	212	169	105
Oregon	200	120	1,000	150	150	170	30#	18	170
Washington	500	500	600	200	180	220	100#	90	132
Group Total	34,550	28,670	34,200	115	141	134	3,963#	4,047	4,586
TOTAL ALL STATES	163,650	141,110	154,320	109	123	123	17,820#	17,374#	19,055#

* Western crates containing approximately 75 lbs., mostly packed 4-6 dozen heads per crate

Includes some quantities not harvested on account of market conditions and excluded in computing total value: Calif. Imperial- 315,000 crates in 1934; Washington-intermediate crop- 96,000 in 1932, 95,000 in 1933; Colorado- 389,000 in 1932; Oregon- late crop 10,000 in 1932; Washington- late crop- 15,000 in 1932.

** New York State ships in standard crates of 2-dozen heads each. Therefore, in yield and production the figures listed should be doubled.

ESTIMATED NEW YORK STATE LETTUCE ACREAGE FOR THE PAST FIVE SEASONS

COUNTY	ACRES				
	1934	1933	1932	1931	1930
Cayuga	100	110	100	85	82
Chautauqua	70	50	35	33	--
Genesee-Orleans	760	1125	1350	1420	1575
Livingston	40	40	50	45	--
Madison	100	110	130	150	160
Monroe	35	35	--	10	10
Montgomery	--	--	40	--	--
Niagara	75	75	80	--	--
Oneida	120	120	120	100	114
Onondaga	60	60	45	35	--
Ontario	20	10	10	7	--
Orange	750	770	760	720	775
Oswego	2235	2280	2350	1975	2135
Seneca	40	30	40	20	--
Steuben	45	45	40	35	--
Wayne	550	540	500	375	400
TOTAL	5000	5400	5650	5050*	5450**

* Includes 40 acres unknown listed as "Others"

** " 199 " " " " " " "

Note: The acreage figures above do not cover the market garden acreage near the large cities of New York, Buffalo, Rochester, Syracuse, etc. Some of them are, of course, out of line with the carlot shipments for the reason that trucking is much heavier in some sections than others. For instance, Orange County ships a large percentage of its crop direct to New York City by truck. The movement by truck from upstate points continues to increase and during the ~~1932~~ 1934 season the volume moving in this manner increased sharply.

Some of the production in a few counties is loaded and shipped from another county and as a result the carlot shipments are out of proportion with the acreage.

CARLOT SHIPMENTS OF NEW YORK STATE LETTUCE BY MONTHS, COUNTIES, & STATIONS
1934 SEASON COMPARED WITH 1933 SEASON

COUNTY & STATION	1934 SEASON						1933 SEASON					
	June	July	Aug.	Sept.	Oct.	TOTAL	June	July	Aug.	Sept.	Oct.	TOTAL
<u>GENESEE</u>												
Batavia	-	-	-	-	-	-	-	1	-	-	-	1
Elba	25	166	110	4	-	305	90	272	49	13	-	424
LeRoy	-	18	27	9	-	54	-	11	16	-	-	27
Total	25	184	137	13	-	359	90	284	65	13	-	452
<u>MADISON</u>												
Canastota	-	5	3	2	-	10	3	13	4	1	3	24
<u>MONROE</u>												
Fairport	1	2	-	-	-	3	2	2	-	-	-	4
Webster	-	-	-	-	-	-	-	1	-	-	-	1
Total	1	2	-	-	-	3	2	3	-	-	-	5
<u>ONEIDA</u>												
Rome	-	1	2	1	-	4	-	1	2	-	-	3
<u>ONONDAGA</u>												
Syracuse	-	1	-	-	-	1	-	-	-	-	-	-
<u>ORLEANS</u>												
Albion	-	57	28	1	-	86	2	30	30	1	-	63
Fancher	-	-	-	-	-	-	-	-	-	-	1	1
Holley	-	3	-	-	-	3	-	-	7	-	-	7
Kendall	-	-	-	-	-	-	-	-	-	2	-	2
Total	-	60	28	1	-	89	2	30	37	3	1	73
<u>OSWEGO</u>												
Fulton	2	85	82	23	-	192	15	182	192	133	27	549
Furniss	-	4	-	-	-	4	-	-	-	-	-	-
Oswego	-	79	59	9	-	147	12	68	10	4	2	96
Total	2	168	141	32	-	343	27	250	202	137	29	645
<u>WAYNE</u>												
E. Williamson	1	-	-	-	-	1	5	1	-	-	-	6
Marion	4	31	4	-	-	39	7	10	1	-	-	18
Newark	-	5	3	-	-	8	7	3	1	-	1	12
N. Rose	-	-	-	-	-	-	-	1	-	-	-	1
Ontario	7	-	1	1	-	9	7	1	-	-	-	8
Sodus	-	1	-	-	-	1	4	3	-	-	1	8
Wolcott	-	-	-	-	-	-	-	3	-	-	-	3
Williamson	-	1	-	1	-	2	1	7	-	-	-	8
Total	12	38	8	2	-	60	31	29	2	-	2	64
GRAND TOTAL	40	459	319	51	-	869	155	610	312	154	35	1266

CARLOT DESTINATIONS OF N. Y. STATE LETTUCE AND MIXED VEGETABLES
SEASON 1934

The following tabulation shows the destinations of all NEW YORK STATE LETTUCE. The destinations of the cars of mixed vegetables included herein are only those cars shipped from points ordinarily shipping lettuce. This report DOES NOT include destinations of all cars of mixed vegetables moving from the State.

<u>STATE AND DESTINATION</u>	<u>NUMBER CARS</u>
<u>CONNECTICUT</u>	
New Haven	6
Hartford	5
Bridgeport	2
Total	<u>13</u>
<u>DISTRICT OF COLUMBIA</u>	
Washington	19
<u>ILLINOIS</u>	
Chicago	76
<u>MARYLAND</u>	
Baltimore	41
<u>MASSACHUSETTS</u>	
Boston	76
<u>MICHIGAN</u>	
Detroit	6
<u>MISSOURI</u>	
St. Louis	31
<u>NEW YORK</u>	
New York City	1601
Rochester	1
Selkirk (Diversion)	1
Total	<u>1603</u>
<u>NEW JERSEY</u>	
Newark	4
<u>OHIO</u>	
Cleveland	5
Cincinnati	23
Columbus	1
Collinwood (Diversion)	1
Total	<u>30</u>
<u>PENNSYLVANIA</u>	
Philadelphia	111
Pittsburgh	9
Total	<u>120</u>
<u>RHODE ISLAND</u>	
Providence	7

GRAND TOTAL ----- 2,026 CARS.

TOTAL SHIPMENTS BY DAYS FROM NEW YORK AND COMPETING STATES
1934 SEASON

Date	MIXED VEGTS.	L E T T U C E					Date	MIXED VEGTS.	L E T T U C E				
	N. Y.	N. Y.	Calif.	Colo.	Wash.	U. S.		N. Y.	N. Y.	Calif.	Colo.	Wash.	U. S.
June 25	1	0	119	0	4	124	Aug. 8	17	23	120	8	2	153
26	0	2	124	0	16	142	9	12	19	119	6	1	145
27	1	5	110	0	19	134	10	6	12	122	13	1	148
28	0	7	117	0	7	131	11	20	25	103	6	0	134
29	0	14	127	2	20	163	12	6	11	21	1	0	33
30	2	12	177	3	19	212	13	16	21	88	7	1	117
July 1	0	2	88	0	12	102	14	13	20	100	9	1	130
2	0	7	168	2	20	199	15	16	18	71	3	1	94
3	3	18	138	2	21	179	16	13	15	70	2	0	89
4	4	10	55	3	10	78	17	3	6	83	2	0	94
5	7	17	115	1	16	151	18	15	22	100	7	1	132
6	0	20	138	0	15	173	19	7	10	45	4	0	59
7	17	35	131	2	19	188	20	14	12	90	9	1	113
8	11	17	51	0	2	70	21	17	16	104	3	1	125
9	17	25	122	1	14	163	22	12	13	106	8	1	129
10	15	19	114	2	17	153	23	17	12	96	10	0	118
11	13	16	101	2	18	138	24	9	4	84	5	1	99
12	10	11	86	0	9	106	25	17	15	88	2	0	105
13	2	12	96	2	10	119	26	7	9	16	1	0	28
14	20	14	100	0	9	125	27	13	8	100	4	1	114
15	7	9	31	0	5	45	28	11	16	35	0	1	52
16	20	16	92	0	5	113	29	12	14	16	4	0	35
17	4	24	78	1	2	106	30	13	12	4	7	0	25
18	0	20	135	1	1	157	31	7	1	8	11	2	23
19	11	12	5	0	0	17	Sept. 1	5	6	22	0	0	31
20	1	9	3	-1	1	14	2	10	10	23	10	0	44
21	11	3	3	0	3	9	3	4	11	77	5	0	95
22	6	11	4	0	7	22	4	1	12	140	17	0	171
23	14	23	6	1	0	30	5	14	17	139	15	0	173
24	15	27	131	1	0	162	6	3	10	136	9	0	155
25	19	26	132	2	3	163	7	4	3	109	4	0	117
26	16	21	109	-1	7	138	8	7	5	103	7	0	115
27	1	22	127	2	9	160	9	4	6	31	3	0	40
28	6	32	102	6	15	155	10	10	8	81	2	0	92
29	11	11	18	0	2	31	11	1	8	99	5	0	112
30	15	39	122	5	9	175	12	13	7	107	3	0	117
31	11	44	114	5	5	168	13	12	8	96	3	0	108
Aug. 1	10	31	86	9	5	131	14	2	0	90	5	0	96
2	16	18	92	8	2	121	15	15	8	97	3	0	108
3	2	15	95	8	1	119	16	8	7	25	2	0	34
4	19	33	107	7	2	149	17	9	5	119	4	0	128
5	11	18	20	5	0	43	18	2	8	129	4	0	141
6	2	18	109	4	2	133	19	13	9	102	8	0	119
7	13	19	115	8	1	143	20	14	3	99	5	0	108

Mixed vegetables include only those cars containing some lettuce and does not include all cars of mixed commodities moving from the State. Total U.S. does not include mixed vegetables.

WEEKLY ARRIVALS AND JOBBING PRICES IN VARIOUS
TERMINAL MARKETS

The weekly carlot and truck arrivals and price range to jobbers in the following tables are from reports issued by the U. S. Bureau of Agricultural Economics.

NEW YORK CITY

Week Ending	A r r i v a l s					WEEKLY RANGE NEW YORK STATE LETTUCE 2-DOZEN HEAD CRATES
	New York Truck	Rail	Calif.	Colo.	Wash.	
July 7	27	25	50	-	2	\$.40- .65, poorer \$.15- .20
Year Ago	27	75	32	-	23	.25- .60, poorer low as .10
July 14	15	51	79	-	11	.20- .65, poorer .10- .20
Year Ago	10	70	69	-	6	.25-1.25, poorer low as .05
July 21	6	30	113	-	12	.25- .60, poorer .10- .25
Year Ago	6	87	81	-	2	.30-1.75, poorer low as .15
July 28	11	40	90	-	10	.25- .87 $\frac{1}{2}$, poorer low as .20
Year Ago	8	100	71	-	17	.25- .75, poorer low as .10
Aug. 4	12	62	57	-	1	.30- .75, poorer .25
Year Ago	2	66	88	-	20	.30-1.75, poorer low as .20
Aug. 11	4	55	63	-	3	.40- .75, poorer lower.
Year Ago	4	77	76	-	8	.50-1.25, poorer low as .25
Aug. 18	5	30	60	-	3	.40- .85, poorer low as .15
Year Ago	4	77	76	-	8	.50-1.25, poorer low as .25
Aug. 25	11	26	69	-	-	.35- .75, poorer .10- .15
Year Ago	2	47	49	1	16	.60-1.50, poorer low as .15
Aug. 31	7	11	70	-	-	.40-1.00
Year Ago	2	47	49	1	16	.60-1.50, poorer low as .15

WEEKLY ARRIVALS AND JOBBING PRICES IN VARIOUS
TERMINAL MARKETS (Cont'd)

PHILADELPHIA

Week Ending	A r r i v a l s			WEEKLY RANGE
	New York	California	Washington	NEW YORK STATE LETTUCE 2-DOZEN HEAD CRATES
July 7	3	69	5	\$.40- .75, poorer low as .25
Year Ago	5	57	15	.25- .75, " " " .10
July 14	19	82	16	.40- .65, poorer .20- .30
Year Ago	1	57	1	.40- .85
July 21	11	88	16	.35- .60
Year Ago	1	60	3	.25-1.00
July 28	8	57	2	.50- .75
Year Ago	3	26	12	.25- .75, poorer low as .20
Aug. 4	7	30	1	.40- .90, poorer .25
Year Ago	5	51	6	.40-1.00, poorer low as .15
Aug. 11	15	60	6	.40- .85, poorer .35
Year Ago	6	28	4	.75-1.50, poorer low as .35
Aug. 18	2	51	0	.40- .75, poorer low as .10
Year Ago	3	52	15	.50-1.40, " " " .30
Aug. 25	0	46	0	.40- .90, poorer low as .25
Year Ago	0	23	5	.50-1.50
Aug. 31	4	45	0	.35- .75, poorer low as .15
Year Ago	2	30	7	.75-1.25

WEEKLY ARRIVALS AND JOBBING PRICES IN VARIOUS
TERMINAL MARKETS (Cont'd)

B O S T O N

Week Ending	A r r i v a l s			WEEKLY RANGE	
	New York	California	Washington	NEW YORK STATE LETTUCE 2-DOZEN HEAD CRATES	
July 7	3	38	1	\$.40- .50, poorer	.25
Year Ago	23	19	10	.25- .75, poorer	low as .10
July 14	8	33	6	.25- .50, poorer	low as .10
Year Ago	10	19	-	.25- .85, poorer	.15
July 21	12	30	-	.25- .50, poorer	.15
Year Ago	7	24	-	.50-1.00, poorer	low as .25
July 28	7	34	1	.35- .75	
Year Ago	11	28	-	.25- .75, poorer	low as .10
Aug. 4	10	12	1	.75-1.25	
Year Ago	9	30	-	.75-1.50, poorer	low as .50
Aug. 11	21	30	1	.75-1.00, poorer	low as .50
Year Ago	6	20	-	1.00-1.50	
Aug. 18	8	35	-	.65- .85, poorer	.25- .50
Year Ago	1	27	2	1.00-1.50, poorer	low as .50
Aug. 25	7	25	-	.50- .75	
Year Ago	2	16	-	No N. Y. stock quoted	
Aug. 31	3	22	-	.50- .75, poorer	.25- .40
Year Ago	3	10	2	.50-1.25	

WEEKLY ARRIVALS AND JOBBING PRICES IN VARIOUS
TERMINAL MARKETS (Cont'd)

B A L T I M O R E

Week Ending	A r r i v a l s			WEEKLY RANGE NEW YORK STATE LETTUCE 2-DOZEN HEAD CRATES
	New York	California	Washington	
July 7	5	12	1	\$.50- .60, few higher
July 14	9	20	2	.35- .65
July 21	4	17	3	.25- .50
July 28	6	10	-	.40- .60
Aug. 4	4	3	-	.50- .75
Aug.11	5	14	-	.40- .65, poorer .35
Aug.18	3	11	-	.40- .65
Aug.25	6	11	-	.60- .85
Aug.31	1	7	-	.50- .65, poorer .40

Year Ago figures unavailable.

UNITED STATES DEPARTMENT OF AGRICULTURE

BUREAU OF AGRICULTURAL ECONOMICS

U. S. STANDARDS FOR LETTUCE

(Effective March 15, 1934)

INTRODUCTION

Numbers and letters in parentheses following grade terms indicate where such terms are defined on pages 3 to 6, inclusive under Definitions of Terms.

The tolerances for the various grades are placed on a container basis. However, for a tolerance of 10 percent individual packages in any lot may not contain more than one and one-half times the tolerance specified, and for one of less than 10 percent individual packages in any lot may not contain more than double the tolerance specified, provided that the entire lot based on sample inspection shall average within the tolerances specified.

GRADES

U. S. Fancy shall consist of heads of lettuce of similar varietal characteristics (1) which are fresh (2), firm (3), well formed (4) and well trimmed (5); which are not split, burst (6), or open, and which are free from decay, tipburn, russet, brown blight, doubles (7), and from damage (8) caused by seedstems (8a), broken midribs (8b), freezing (5 & 8c), dirt (8d), sunburn (5 & 8e), discoloration (5 & 8), disease, aphid (8f) or other insects, or mechanical or other means (8).

In order to allow for variations incident to proper grading and handling, not more than 10 percent, by count, of the heads in any container may be below the requirements of this grade, but not more than one-half of this tolerance, or 5 percent, shall be allowed for decay affecting the compact portion of the head. Of this tolerance for decay, not more than two-fifths or 2 percent, shall be allowed for slimy decay.

U. S. No. 1 shall consist of heads of lettuce of similar varietal characteristics (1) which are fresh (2); which are not split or burst (6), and which are free from decay, tipburn, russet, brown blight, doubles (7), and from damage caused by opening (8g), seedstems (8a), broken midribs (8b), freezing (5 & 8c), dirt (8d), sunburn (5 & 8c), discoloration (5 & 8), disease, aphid (8f) or other insects, or mechanical or other means (8). Each head shall be fairly well trimmed (9) unless specified as closely trimmed (10). Not less than 75 percent of the heads of Iceberg type lettuce shall be firm (3), and the remainder shall be fairly firm (11). Heads of Big Boston type lettuce shall be fairly firm (11).

In order to allow for variations incident to proper grading and handling, not more than 10 percent, by count, of the heads in any container may be below the requirements of this grade, but not more than one-half of this tolerance, or 5 percent, shall be allowed for decay affecting the compact portion of the head; provided that, of this tolerance for decay not more than two-fifths or 2 percent, shall be allowed for slimy decay. This tolerance shall not permit in any lot of U.S.No.1 Iceberg type lettuce fewer than 90 percent of heads which are firm or fairly firm and free from defects, on the basis of a ratio of three firm heads to one fairly firm head.

U. S. Commercial shall consist of heads of lettuce which meet all of the requirements of U. S. No. 1 grade except that they shall be free from serious damage by tipburn instead of free from tipburn.

In order to allow for variations incident to proper grading and handling, not more than 10 percent, by count, of the heads in any container may be below the requirements of this grade, but not more than one-half of this tolerance, or 5 percent, shall be allowed for decay affecting the compact portion of the head; provided that, of this

tolerance for decay not more than two-fifths or 2 percent, shall be allowed for slimy decay. This tolerance shall not permit in any lot of U. S. Commercial Iceberg type lettuce fewer than 90 percent of heads which are firm or fairly firm and free from defects, on the basis of a ratio of three firm heads to one fairly firm head.

U. S. No. 2 shall consist of heads of lettuce of similar varietal characteristics (1) which are not split or burst (6), which are free from decay, from damage (8) caused by seedstems (8a), and from serious damage (12) caused by wilting, tipburn, freezing, disease, insects, or mechanical or other means.

In order to allow for variations incident to proper grading and handling, not more than 10 percent, by count, of the heads in any container may be below the requirements of this grade.

DEFINITIONS OF TERMS

As used in these grades:

1. "Similar varietal characteristics" means that the heads in any container have the same characteristic leaf growth. For example, lettuce of the Iceberg and Big Boston types shall not be mixed.
2. "Fresh" means that the head is crisp, although the wrapper leaves and the outer one or two head leaves may be slightly wilted.
3. "Firm", as applied to heads of Iceberg type lettuce, means that the head is compact but may yield slightly to moderate pressure; as applied to heads of Big Boston lettuce, means that the head is fairly compact.
4. "Well formed" means that the head is well shaped, and that mid-ribs of the leaves are not abnormally prominent or protruding.
5. "Well trimmed" means that the butt is trimmed off close to the point of attachment of the outer leaves; that wrapper leaves are free

from appreciable injury by any cause; that on heads of Iceberg type lettuce wrapper leaves do not exceed six in number, nor more than one-half of which may be excessively large and coarse such as are characteristic of No. 6 strain; and provided further, that the outermost leaves of the head show some shade of green color on a part of the leaves. "Wrapper leaves" means all leaves which do not fairly closely enfold the compact portion of the head. Heads shall not be considered well trimmed when the wrapper leaves are badly blistered or show yellow discoloration or more than slight brown margins. Heads with torn wrapper leaves shall not be considered well trimmed when such leaves appreciably injure the appearance of the head.

6. "Burst" means that the head is broken open.

7. "Doubles" means two heads on the same stem.

8. "Damage" means any injury which materially affects the appearance, edible or shipping quality of the lettuce except defects affecting wrapper leaves as restricted under definitions of "well trimmed", "fairly well trimmed", and "closely trimmed." The following shall be considered as damage:

(a) Seedstems which are apparent upon external examination of the head.

(b) Broken midribs, when more than two of the outer head leaves have the midribs broken in two due to abnormal growth conditions:

(c) Freezing, when the head leaves show a brown discoloration over more than half of the crown, or when more than three of the outer head leaves show appreciable injury by freezing.

(d) Dirt, when the head is smeared with mud, or when wrapper leaves are badly smeared with mud, or when the basal portion of the head is caked with mud or dry dirt.

(e) Sunburn, when the head leaves show a brown discoloration

over more than half of the crown of the head.

(f) Aphis, when the head proper is infested, or when the wrapper leaves are badly infested.

(g) Opening, in hard or firm heads which have one-fourth or more of the head distinctly separated from the remainder, or any degree of opening in fairly firm heads.

9. "Fairly well trimmed" means that the butt is trimmed off close to the point of attachment of the outer leaves; that wrapper leaves are free from serious injury by any cause; that, on heads of Iceberg type lettuce, wrapper leaves do not exceed ten in number, not more than six of which may be excessively large and coarse such as are characteristic of No. 6 strain; and provided further, that the outermost leaves of the head show some shade of green color on a part of the leaves. "Wrapper leaves" means all leaves which do not fairly closely enfold the compact portion of the head. Heads shall not be considered fairly well trimmed when the wrapper leaves show yellow or brown discoloration or brown margins to an extent that the appearance of the head is seriously injured. Any blistering except that causing yellow or brown discoloration which seriously affects the appearance of the wrapper leaves or any tearing of wrapper leaves shall not be considered as serious injury.

10. "Closely trimmed" means that the head meets all requirements of "fairly well trimmed" except that the wrapper leaves shall be not more than 3 in number, none of which may be excessively large and coarse.

11. "Fairly firm" means that although the head is not firm, it is not soft or spongy.

12. "Serious damage" means any injury which causes the loss of a material portion of the edible part of the head. The loss of crispness due to freezing shall not be considered serious damage. Heads affected

with tipburn shall be considered as seriously damaged when any single spot is larger than one and one-half inches in length and/or three-fourths of an inch in width.

13. "Fairly uniform in size" means that not more than 10 percent, by count, of the heads in any one container may be one standard size smaller than the standard size head for the count packed.

Example of Standard Size Head - The standard size head for a 4 dozen pack is that size which will pack tightly 4 x 4 heads of uniform size in a layer in the crate, assuming that the head has the average number of wrapper leaves found on all the heads in the crate.

STANDARD PACK

Heads of lettuce shall be fairly uniform in size (13), and tightly packed in uniform layers according to the approved and recognized methods, provided that a "bridge" may be used with sizes smaller than 5 dozen count.

In order to allow for variations incident to proper packing, not more than a total of 15 percent of the containers in any lot may not meet the requirements of the Standard Pack, but no part of this tolerance shall be allowed for packs which are excessively loose in the layers.

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