

SUMMARY OF VEGETABLE VARIETY TRIALS

PALMER, ALASKA

1986

PREPARED BY
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SUMMARY OF VEGETABLE VARIETY TRIALS

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Introduction

During the summer of 1986 the Alaska Plant Materials Center (PMC) conducted vegetable variety trials at the request of Mat-Su Valley commercial vegetable growers. The goal of the trials is to select vegetable varieties that are suited to commercial production and homegarden use in southcentral Alaska. The 1986 trials were the first to be conducted by the PMC.

Vegetable varieties grown in the 1986 trials were selected from the best performing varieties in similar trials conducted in Fairbanks, Alaska, and Alberta, Canada. Recommended varieties from local growers and seed companies were also included. Only the marketable yield for each crop is reported in the following tables.

Future trials will be conducted if the Horticulture Development Project is funded past fiscal year 1987 and the industry requests additional trials. Objectives of the trials may include: variety trials, examining cultural techniques effects on crop quality; and evaluating alternative crops which may be produced in southcentral Alaska.

Acknowledgments

The 1986 Vegetable Variety Trials were the first of their kind to be conducted at the Alaska Plant Materials Center. They would not have been successful without the help of several people. I would like to thank Jerry and Paula Giauque, Pat and Tricia Mulligan, and all of the other vegetable farmers who answered questions, provided seed and much needed support.

Thanks also go to several members of the Plant Materials Center staff: Jess Werner, Chuck Ridderman, Kathi Van Zant, Colleen Bernard, Chris Thornsley, and Lori Lyman; and the irrigation crew (for their care in not destroying the plots while laying irrigation pipe). I would like to thank Dr. Don Dinkel, Dr. Marilyn Griffith, Dr. Allan Mitchell and Meg Burgett for their assistance throughout the summer. I thank the seed companies, Dr. Ryder, Jerry Giauque, and Pat Mulligan for their donation of seed. I would also like to thank Dr. David Hall for his help in designing the trials.

1986 SEED SOURCE LIST

SYMBOL ADDRESSES

AG Agway Inc., P.O. Box 4741, Syracuse, New York 13221
AS Asgrow Seed Co., Kalamazoo, Michigan 49001
DR Dr. Ryder, USDA/ARS, P.O. Box 5098, Salinas, California 93915
GP Geo. W. Park Seed Co., Inc., Hwy 254, Greenwood, South Carolina 29647
JS Johnny's Selected Seeds, 305 Foss Hill Road, Albion, Maine 04910
MF Mulligan Farms, P. O. Box 2029, Palmer, Alaska 99645
MS Moran Seeds Inc., 1155 Harkins Road, Salinas, California 93901
NK Northrup King Co., 833 Swanston Lane, Gilroy, California 95020
RS Royal Sluis Inc., 1293 Harkins Road, Salinas, California 93901
SS Siegers Seed Co., 7245 Imlay City Rd., Imlay City, Michigan 48444
StS Stokes Seeds Inc., Box 548, Buffalo, New York 14240

Table 1. Weather Data for the Palmer Growing Season*: 1985, 1986,
and the Long-Term Average.

	Average Temperature (°F)			Total Precip. (in.)
	Daily max.	Daily min.	Daily mean	
April				
1986	59	-15	29	.05
1985	51	-12	29	.26
12-yr ave	46	26	36	.67
May				
1986	72	28	48	.14
1985	73	25	46	1.01
12-yr ave	59	36	48	.47
June				
1986	84	34	56	.76
1985	78	32	53	1.12
12-yr ave	66	44	55	1.16
July				
1986	76	40	58	3.02
1985	77	42	59	1.35
12-yr ave	68	48	58	2.17
August				
1986	71	32	54	1.60
1985	73	35	54	2.56
12-yr ave	66	44	55	1.65
September				
1986	66	19	48	2.77
1985	68	24	48	3.53
12-yr ave	58	37	47	2.12

* Weather data recorded at the Alaska Plant Materials Center farm.

Table 2. Broccoli Variety Trial, 1986.

CROP: BROCCOLI

DATE PLANTED: 5/17/86

SPACING: ROWS 18"

PLANT 12"

ACCESSION NUMBER	VARIETY	SOURCE*	TOTAL YIELDS			NUMBER OF HARVESTS	DAYS TO FIRST HARVEST	PEAK CUT				COMMENTS
			AVG. TERMINAL LBS.	TERMINALS LBS./40'	LATERALS LBS./40'			DATE	DAYS FRM. PLANTING	% YIELD	PEAK YLD LBS	
1	PACKMAN	JS	0.75	33.14	4.39	4	74	7/30	74.00	47.19%	15.64	GOOD FLAVOR, SOME LOOSE FLOWER HEADS
7	EMPEROR	GP/JS	0.73	32.72	5.82	3	80	8/11	86.00	50.31%	16.46	GOOD FLAVOR, UNIFORM COMPACT HEADS
11	GALAXY	AS	0.70	26.47	3.26	4	74	7/30	74.00	39.75%	10.52	FAIR FLAVOR, CRISP
10	CRUISER F1	AS	0.76	25.06	1.56	5	86	8/11	86.00	29.43%	7.30	SLIGHTLY BITTER FLAVOR, COMPACT HEADS
12	GEM	AS	0.79	24.42	3.01	2	86	8/11	86.00	81.37%	19.87	FAIR FLAVOR, UNEVEN MATURING
8	GREEN VALIANT	JS	0.76	23.66	1.00	3	86	8/11	86.00	49.81%	11.79	GOOD, SWEET FLAVOR, UNIFORM HEADS
9	EXCALIBUR	MS	0.63	22.73	3.35	3	80	8/5	80.00	52.59%	11.95	PEPPERY TASTE, PRODUCES MANY LATERALS
13	SHOGUN	SS	0.75	20.29	0.69	3	90	8/21	96.00	54.52%	11.06	GOOD FLAVOR, COMPACT HEADS
4	SCHODNER F1	AS	0.59	20.13	3.04	2	86	8/11	86.00	67.44%	13.50	GOOD FLAVOR, LIGHTER GREEN COLOR
3	PREMIUM CROP	JS	0.59	20.01	3.66	3	90	8/20	95.00	58.01%	11.61	SWEET FLAVOR
14	FUTURA	AS	0.57	19.81	4.96	5	74	8/5	80.00	60.36%	11.96	FAIR TASTE, LOOSE, UNEVEN HEADS
2	EARLY EMERALD HYBRID	GP	0.60	17.43	3.65	3	74	7/30	74.00	75.30%	13.12	GOOD FLAVOR
6	GREEN COMMET	MS	0.75	0.98	1.93	3	86	8/11	86.00	58.64%	5.26	GOOD FLAVOR, SOFT ROT
5	HYBRID SXX SP. 114	SS	1.15	1.15	0.00	1	86	8/11	86.00	100.00%	1.15	SWEET FLAVOR

* SEE SEED SOURCE LIST

FERTILIZER APPLICATION WAS 1,000 LB./A OF 10-20-20 PRIOR TO ROTOTILLING

LATERALS WERE HARVESTED FOR HOMEGARDENERS INFORMATION, NOT ALL LATERALS WERE HARVESTED

Table 3. Early-Mid Season Cabbage Variety Trial, 1986.

CROP: CABBAGE (EARLY TO MID-SEASON)

DATE PLANTED: 5/19/86

SPACING: ROWS 18" PLANT 12"

ACCESSION NUMBER	VARIETY	SOURCE*	TOTAL YIELDS		NUMBER OF HARVESTS	DAYS TO FIRST HARVEST	PEAK CUT				AVG CORE LENGTH**	AVERAGE DENSITY***	COMMENTS
			AVG. HEAD LBS.	HEAD LBS./40'			DATE	DAYS FRM. PLANTING	% YIELD	PEAK YLD LBS			
34	Derby Dav	JS	2.87	106.21	3	94	8/21	94	92.19%	97.91	2	2	SWEET FLAVOR, GOOD COLOR
37	Tuscan f1	RS	2.59	93.14	3	94	8/21	94	54.81%	51.06	2	1	SWEET FLAVOR, CRISP HEADS
33	Viking Hybrid	AG	2.50	92.54	4	94	8/21	94	44.31%	41.00	2	1	SWEET FLAVOR, CRISP HEADS
35	Sun Up f1	MS	2.64	89.68	4	94	8/21	94	62.71%	56.24	3	1	MILD FLAVOR, SOME SPLITTING
38	Market Victor	MS	2.73	84.57	3	94	8/21	94	59.01%	49.90	1	1	SWEET FLAVOR, CONE SHAPED HEADS
42	Heavv Weighter	GP	1.80	80.97	5	94	9/10	114	34.48%	27.92	2	2	BITTER FLAVOR
45	Market Prize	MS	2.64	76.57	4	98	8/25	98	31.23%	23.91	3	1	GOOD FLAVOR, CONE SHAPED HEADS
39	Darki Hybrid	GP	2.21	75.18	3	94	8/21	94	55.33%	41.60	3	1	SWEET FLAVOR, SEVERAL HEADS SPLIT
43	Perfect Ball	JS	2.41	72.32	1	130	9/26	130	100.00%	72.32	1	1	GOOD FLAVOR
46	Stonehead	StS	2.23	71.33	4	95	8/22	95	63.68%	45.43	3	1	MILD FLAVOR
40	Hybrid 15	MS	2.23	69.13	4	95	8/25	98	40.65%	28.10	3	2	MILD FLAVOR
36	Golden Cross	GP	2.33	58.30	2	95	8/22	95	70.44%	41.06	2	1	GOOD FLAVOR, DENSE HEADS, MANY SPLI
44	Perfect Action	JS	1.96	52.92	5	95	8/25	98	40.03%	21.19	2	2	SWEET FLAVOR
41	Lasso	JS	2.76	46.93	2	106	9/2	106	50.70%	23.79	3	1	GOOD FLAVOR, GOOD RED COLOR

* SEE SEED SOURCE LIST

** AVERAGE CORE LENGTH 1 = 0-4CM, 2 = 4-6CM, 3 = GREATER THAN 6 CM

*** AVERAGE DENSITY 1 = FIRM, 2 = MEDIUM, 3 = LOOSE, 4 = NO HEAD FORMED

FERTILIZER APPLICATION WAS 1,000 LB./A OF 10-20-20 PRIOR TO ROTOTILLING

Table 4. Cauliflower Variety Trial, 1986.

CROP: CAULIFLOWER
 DATE PLANTED: 5/17/86
 SPACING: ROWS 18"

PLANT 12"

ACCESSION NUMBER	VARIETY	SOURCE*	YIELDS			DAYS TO FIRST HARVEST	PEAK CUT			AVERAGE HEAD DIA. IN.**	COMMENTS	
			AVG. HEAD LBS.	HEAD LBS./40'	NUMBER OF HARVESTS		DATE	DAYS FRM. PLANTING	% PEAK YLD LBS.			
17	Matra	RS	1.59	55.00	4	103	9/2	100.00	54.62x	30.48	6.07	GOOD FLAVOR. CREAM COLORED HEADS
18	White Rock	MS	1.39	43.05	3	115	9/15	121.00	63.12x	27.17	5.20	GOOD FLAVOR, VERY WHITE COLOR
22	Dok Elgon	RS	1.35	41.92	3	115	9/9	115.00	51.47x	21.50	5.02	SWEET FLAVOR. WHITE COLOR
21	Vernon	RS	1.26	36.48	3	115	9/15	121.00	44.96x	16.40	5.09	GOOD FLAVOR, WHITE TO CREAM COLOR
19	Andes	RS/MO	1.58	34.81	3	97	9/2	100.00	35.90x	12.50	6.02	GOOD FLAVOR. VERY WHITE COLOR
23	Supermax	RS	1.14	34.16	5	97	9/2	100.00	45.43x	15.52	5.62	GOOD, PEPPERY FLAVOR, WHITE COLOR
28	White Too	StS	1.33	31.81	5	97	9/9	115.00	37.85x	12.04	5.24	GOOD FLAVOR, WHITE COLORED HEADS
24	Snowball 123	MS	1.08	23.70	4	103	9/2	100.00	63.05x	14.94	5.38	MILD FLAVOR, NOT UNIFORM
27	Snow Crown	GP/JS	0.76	23.50	5	97	8/28	103.00	64.86x	15.24	6.00	GOOD FLAVOR, WHITE COLOR
25	Snowball 741	JS	1.08	22.78	4	97	9/2	100.00	46.36x	10.56	4.57	PEPPERY FLAVOR, HEADS SEPERATE EARLY
26	Snowball Y Improved	MS	1.32	18.45	4	97	9/2	100.00	76.11x	14.04	5.76	GOOD FLAVOR, HEADS SEPERATE EARLY
20	Self Blanche	MS	1.78	15.99	2	115	9/9	115.00	93.46x	14.95	6.27	GOOD FLAVOR, WHITE COLOR
16	Alert	GP/JS	0.70	8.41	5	97	9/15	121.00	41.24x	3.47	5.35	MILD PEPPERY FLAVOR
23	Snowball T-3	JS	1.09	7.61	4	97	8/28	103.00	63.45x	4.83	6.00	GOOD FLAVOR, HEADS SEPERATE EARLY

* SEE SEED SOURCE LIST

** AVERAGE CURD DIAMETER RECOMMENDED BY GROWERS IS 6"

FERTILIZER APPLICATION WAS 1.000 LB./A OF 10-20-20 PRIOR TO ROTOTILLING, AND AGAIN ON JULY 21, BROADCAST 300 LB./A 10-20-20.

Table 5. Head Lettuce Variety Trial, 1986, 1st Planting.

CROP: HEAD LETTUCE, FIRST PLANTING

DATE PLANTED: 5/12/86

SPACING: ROWS 18"

PLANT 12" (EXCEPT SALINAS @ 10")

ACCESSION NUMBER	VARIETY	SOURCE*	YIELDS				PEAK CUT				COMMENTS		
			AVG. HEAD LBS.	HEAD LBS./40'	NUMBER OF HARVESTS	DAYS TO FIRST HARVEST	DATE	DAYS FRM. PLANTING	% YIELD	PEAK YLD LBS		AVERAGE DENSITY**	AVERAGE TIPBURN***
51	YUMA	MS	1.945	79.756	3	86	8/6	86	52.85X	42.152	1	0	BITTER FLAVOR, GOOD COLOR
55	EL TORO	MS	2.040	79.566	2	88	8/8	88	63.39X	50.438	2	0	SWEET-BLAND FLAVOR
64	SALINAS 12"	RS	1.959	66.597	2	93	8/29	109	56.16X	37.403	1	1	GOOD FLAVOR
63	ITHACA	RS	1.700	66.302	3	93	8/29	109	42.71X	28.319	1	0	GOOD FLAVOR, CRISP HEADS
60	MONTEMAR	DR	1.734	62.434	3	92	8/12	92	45.68X	28.520	1	0	SWEET FLAVOR
65	83-1022M	DR	1.555	59.006	3	85	8/7	85	39.61X	23.403	1	1	BITTER FLAVOR
50	MORNINGGOLD	MS	1.676	58.654	3	85	8/29	109	44.02X	25.819	1	0	VERY GOOD FLAVOR, GOOD COLOR
72	WINTERSET	DR	1.759	58.051	3	93	8/27	107	43.59X	25.306	1	0	GOOD FLAVOR, UNIFORM HEADS
71	SEAGREEN	DR	1.745	57.575	3	85	8/29	109	43.94X	25.297	2	0	BITTER FLAVOR
58	MALIKA	MS/RK	1.546	52.557	3	85	8/7	85	50.06X	26.300	1	0	MILD TO BITTER FLAVOR
53	KING CROWN	JS	1.768	51.260	2	93	8/29	109	58.94X	30.211	1	2	SLIGHTLY BITTER FLAVOR
61	EMPIRE	DR	1.759	51.024	1	109	8/29	109	100.00X	51.024	1	2	LIGHT GREEN COLOR
56	ITHACA	RS	1.978	47.460	2	99	8/19	99	52.55X	24.930	1	0	SWEET FLAVOR
70	SALINAS 10"	RS	1.522	47.174	3	99	8/19	99	50.79X	23.960	1	0	SWEET FLAVOR
47	SALINAS R 100	MS	1.593	46.107	3	88	8/29	109	36.03X	16.643	1	0	
49	VANGUARD	GP	1.693	45.703	2	86	8/6	86	50.61X	23.130	1	0	GOOD FLAVOR
69	83-696M	DR	1.604	45.400	2	85	8/7	85	63.06X	28.681	1	0	BITTER FLAVOR, GOOD COLOR
54	SALINAS	RS	1.669	45.059	2	93	8/29	109	57.18X	25.764	1	0	GOOD FLAVOR, GOOD COLOR
40	CANASTA	JS	1.302	42.046	2	107	8/27	107	80.63X	34.546	1	1	BITTER FLAVOR
57	AMENUE	JS	1.353	41.938	2	93	8/13	93	55.46X	23.260	1	1	BLAND FLAVOR
68	83-697M	DR	1.555	35.767	2	85	8/29	109	64.00X	22.921	1	0	GOOD FLAVOR, GOOD COLOR
66	MERIT	DR	1.424	28.482	2	85	8/29	109	64.40X	18.341	1	0	
67	AMARIL 400	DR	1.400	23.607	2	93	8/29	109	71.55X	16.949	1	2	BITTER FLAVOR
59	MONTELLO	RS	1.576	22.066	2	93	8/29	109	84.47X	18.639	1	0	HEADS FALL APART
62	83-1476M	DR	1.223	6.117	1	109	8/29	109	100.00X	6.117	1	1	
52	MISSION	GP	0.000	0.000						0.000			NOT MARKETABLE

* SEE SEED SOURCE LIST

** AVERAGE DENSITY 1 = FIRM, 2 = MEDIUM, 3 = LOOSE, 4 = NO HEAD FORMED

*** AVERAGE TIPBURN 1 = SLIGHT, 2 = MODERATE, 3 = SEVERE

FERTILIZER APPLICATION WAS 1,000 LB./A OF 10-20-20 PRIOR TO ROTOTILLING

Table 6. Head Lettuce Variety Trial, 1986, 2nd Planting.

CROP: HEAD LETTUCE. SECOND PLANTING

DATE PLANTED: 6/5/86

SPACING: ROWS 18"

PLANT 12" (except Salinas @ 10")

ACCESSION NUMBER	VARIETY	SOURCE*	YIELDS					PEAK CUT				AVERAGE DENSITY**TIPBURN***	AVERAGE	COMMENTS
			AVG.	NUMBER	DAYS TO	DATE	DAYS FRM.	%	PEAK	AVERAGE				
			HEAD LBS.	OF HARVESTS	FIRST HARVEST	DATE	PLANTING	YIELD	YLD LBS	DENSITY				
55	EL TORO	MS	1.50	80.92	3	92	9/5	92	48.06x	30.89	1	1	GOOD GREEN COLOR	
65	83-1022M	DR	1.37	61.46	1	3	92	9/5	92	70.79x	43.50	1	0	SWEET FLAVOR, GOOD COLOR
67	AMARAL 400	DR	1.39	61.34	1	3	92	9/5	92	60.42x	37.06	1	0	GOOD COLOR
71	SEAGREEN	DR	1.40	58.81	1	3	92	9/5	92	69.88x	41.09	1	0	SLIGHTLY BITTER FLAVOR
49	VANGUARD	GP	1.32	58.09	1	3	92	9/12	99	48.61x	28.24	1	0	
68	83-697M	DR	1.47	57.24	1	2	98	9/11	98	91.90x	52.60	1	0	SWEET FLAVOR, GOOD COLOR
51	YUMA	MS	1.34	56.44	1	3	92	9/5	92	63.22x	35.68	1	0	GOOD FLAVOR
72	WINTERSET	DR	1.33	55.68	1	3	92	9/5	92	59.51x	33.13	1	0	GOOD FLAVOR
69	83-696M	DR	1.38	55.18	1	3	92	9/5	92	57.12x	31.52	1	0	
54	SALINAS	RS	1.05	49.18	1	4	92	9/12	99	47.83x	23.52	1	0	BITTER FLAVOR
47	SALINAS R 100	MS	1.25	48.70	1	3	92	9/5	92	46.84x	22.81	1	0	GOOD FLAVOR
60	MONTEMAR	DR	1.14	47.87	1	3	92	9/10	97	57.40x	27.51	1	0	BITTER FLAVOR, DARK GREEN
62	83-1476M	DR	1.07	42.85	1	3	92	9/5	92	49.93x	21.40	1	0	
66	MERIT	DR	1.29	38.72	1	2	92	9/5	92	56.35x	21.02	1	1	
63	ITHACA	RS	1.12	37.11	1	2	98	9/11	98	86.42x	32.07	1	0	GOOD FLAVOR
64	SALINAS 12"	RS	1.32	36.84	1	2	92	9/5	92	85.96x	31.67	1	0	
58	MALIKA	MS/NK	1.30	36.38	1	3	92	9/12	99	56.10x	20.41	1	1	BITTER FLAVOR
70	SALINAS 10"	RS	1.19	35.65	1	3	92	9/5	92	59.81x	21.32	1	0	
53	KING CROWN	JS	1.03	34.08	1	3	92	9/12	99	42.41x	14.46	1	1	
57	ANUENUE	JS	1.11	32.06	1	2	98	9/11	98	98.04x	31.44	1	2	
61	EMPIRE	DR	1.37	31.56	1	2	98	9/11	98	55.62x	17.55	1	1	CONE SHAPED HEADS
56	ITHACA	RS	1.10	29.73	1	3	92	9/11	98	54.20x	16.12	1	0	GOOD FLAVOR & COLOR
59	MONTELLO	RS	1.19	28.49	1	2	98	9/11	98	65.20x	18.58	1	1	
48	CANASTA	JS	1.48	25.18	1	1	98	9/11	98	100.00x	25.18	1	2	GOOD COLOR
52	MISSION	GP	1.09	23.96	1	2	98	9/11	98	85.72x	20.54	1	1	
50	MORANGOLD	MS	1.08	14.02	1	1	98	9/11	98	100.00x	14.02	1	0	GOOD FLAVOR

* SEE SEED SOURCE LIST

** AVERAGE DENSITY 1 = FIRM, 2 = MEDIUM, 3 = LOOSE, 4 = NO HEAD FORMED

*** AVERAGE TIPBURN 1 = SLIGHT, 2 = MEDIUM, 3 = SEVERE

FERTILIZER APPLICATION WAS 1.000 LB./A OF 10-20-20 PRIOR TO ROTOTILLING

Table 7. Head Lettuce Variety Trial, 1986, 3rd Planting.

CROP: HEAD LETTUCE, THIRD PLANTING

DATE PLANTED: 6/27/86

SPACING: ROWS 18"

PLANT 12" (EXCEPT SALINAS @ 10")

ACCESSION NUMBER	VARIETY	SOURCE#	YIELDS					PEAK CUT					COMMENTS
			AVG. HEAD LBS.	HEAD LBS./40'	NUMBER OF HARVESTS	DAYS TO FIRST HARVEST	DATE	DAYS FRM. PLANTING	% YIELD	PEAK YLD LBS	AVERAGE DENSITY**TIPBURN***		
60	83-697M	DR	0.91	22.70	2	80	9/15	80	78.49%	17.81	1	0	
69	83-696M	DR	0.96	19.12	2	80	9/15	80	85.16%	16.29	1	0	
58	MALIKA	MS/NK	0.94	18.71	1	83	9/18	83	100.00%	18.71	1	0	DENSE HEADS
55	EL TORO	MS	1.01	14.17	1	83	9/18	83	100.00%	14.17	1	0	
65	83-1022M	DR	0.89	12.42	1	83	9/18	83	100.00%	12.42	2	0	GOOD FLAVOR
66	MERIT	DR	1.03	10.31	1	83	9/18	83	100.00%	10.31	1	0	
63	ITHACA	RS	0.91	10.04	1	83	9/18	83	100.00%	10.04	1	0	FIRM, COMPACT HEADS
72	WINTERSET	DR	0.88	9.64	1	83	9/18	83	100.00%	9.64	1	0	
70	SALINAS 10"	RS	0.80	9.59	1	83	9/18	83	100.00%	9.59	2	0	
51	YUMA	MS	1.01	9.11	1	83	9/18	83	100.00%	9.11	2	0	
71	SEAGREEN	DR	0.46	8.65	2	80	9/15	80	100.00%	8.65	2	0	
64	SALINAS 12"	RS	0.83	8.28	1	83	9/18	83	100.00%	8.28	2	0	
67	AMARAL 400	DR	0.82	5.73	1	83	9/18	83	100.00%	5.73	1	0	BITTER FLAVOR
57	ANJENUE	JS	0.95	5.69	1	83	9/18	83	100.00%	5.69	1	0	
54	SALINAS	RS	0.86	4.32	1	83	9/18	83	100.00%	4.32	1	0	
53	KING CROWN	JS	1.01	4.05	1	83	9/18	83	100.00%	4.05	1	1	
60	MONTEMAR	DR	0.63	3.80	1	83	9/18	83	100.00%	3.80	3	0	DARK GREEN COLOR
52	MISSION	GP	0.94	3.77	1	83	9/18	83	100.00%	3.77	1	0	
62	83-1476M	DR	0.63	3.17	1	83	9/18	83	100.00%	3.17	1	0	
49	VANGUARD	GP	0.95	2.86	1	83	9/18	83	100.00%	2.86	2	1	
56	ITHACA	RS	0.71	2.85	1	83	9/18	83	100.00%	2.85	1	0	
59	MONTELLO	RS	1.10	2.20	1	83	9/18	83	100.00%	2.20	1	0	
61	EMPIRE	DR	0.95	1.90	1	83	9/18	83	100.00%	1.90	1	1	COKE SHAPED HEADS
47	SALINAS R 100	MS	0.79	1.58	1	83	9/18	83	100.00%	1.58	1	0	
50	MORANGOLD	MS	0.00	0.00	0				0.00%	0.00			
40	CAVASTA	JS	0.00	0.00	0				0.00%	0.00			

* SEE SEED SOURCE LIST

** AVERAGE DENSITY 1 = FIRM, 2 = MEDIUM, 3 = LOOSE, 4 = NO HEAD FORMED

*** AVERAGE TIPBURN 1 = SLIGHT, 2 = MODERATE, 3 = SEVERE

FERTILIZER APPLICATION WAS 1.000 LB./A OF 10-20-20 PRIOR TO ROTOTILLING

Table 8. Leaf Lettuce Variety Trial, 1986, All Plantings.

CROP: LEAF LETTUCE

DATES PLANTED: 5/13/86, 6/6/86, 6/27/86

SPACING: ROWS 18" PLANT 12"

PLANTING ACCESSION NUMBER	VARIETY	SOURCE*	YIELDS			PEAK CUT				COMMENTS	
			AVG. HEAD LBS.	HEAD LBS./36*	NUMBER OF HARVESTS	DAYS TO FIRST HARVEST	DATE	DAYS FRM. PLANTING	% PEAK YLD LBS		
FIRST	75 WALDMANN'S DARK GREEN	JS	0.93	15.79	1	77	7/29	77	100.00%	15.79	
	76 PRIZEHEAD	JS	0.86	14.57	1	77	7/29	77	100.00%	14.57	
	74 RED SAILS	JS	0.85	12.69	1	77	7/29	77	100.00%	12.69	SOME BOLTING
SECOND	74 RED SAILS	JS	1.02	25.57	1	84	8/29	84	100.00%	25.57	
	76 PRIZEHEAD	JS	1.11	22.11	1	84	8/29	84	100.00%	22.11	
	75 WALDMANN'S DARK GREEN	JS	1.01	7.09	1	84	8/29	84	100.00%	7.09	
THIRD	76 PRIZEHEAD	JS	0.63	8.78	1	77	9/12	77	100.00%	8.78	
	75 WALDMANN'S DARK GREEN	JS	0.93	6.51	1	77	9/12	77	100.00%	6.51	
	74 RED SAILS	JS	0.74	5.16	1	77	9/12	77	100.00%	5.16	

* SEE SEED SOURCE LIST

FERTILIZER APPLICATION WAS 1,000 LB./A OF 10-20-20 PRIOR TO ROTOTILLING

Table 9. Romaine Lettuce Variety Trial, 1986.

CROP: ROMAINE LETTUCE

DATES PLANTED: 5/13/86, 6/6/86, 6/27/86

SPACING: ROWS 18" PLANT 12"

PLANTING ACCESSION NUMBER	VARIETY	SOURCE*	YIELDS				PEAK CUT				AVERAGE COMMENTS
			AVG. HEAD LBS.	HEAD LBS./22'	NUMBER OF HARVESTS	DAYS TO FIRST HARVEST	DATE	DAYS FRM. PLANTING	%	PEAK YLD LBS	
FIRST	80 PARIS ISLAND	JS	2.03	40.61	1	105	8/25	105	100.00%	40.61	1 LONG HEADS
	81 WINTER DENSITY	JS	1.58	25.31	1	105	8/25	105	100.00%	25.31	1 SHORT, DARK GREEN HEADS
SECOND **	80 PARIS ISLAND	JS									
	81 WINTER DENSITY	JS									
THIRD **	80 PARIS ISLAND	JS									
	81 WINTER DENSITY	JS									

* SEE SEED SOURCE LIST

** SECOND AND THIRD PLANTINGS WERE NOT HARVESTED DUE TO LACK OF TIME FOR HARVESTING
FERTILIZER APPLICATION WAS 1,000 LB./A OF 10-20-20 PRIOR TO ROTOTILLING

Table 10. Bibb Lettuce Variety Trial, 1986.

CROP: BIBB LETTUCE

DATES PLANTED: 5/13/86, 6/6/86, 6/27/86

SPACING: ROWS 18" PLANT 12"

PLANTING ACCESSION NUMBER	VARIETY	SOURCE*	YIELDS				PEAK CUT				COMMENTS
			AVG. HEAD LBS.	HEAD LBS./36'	NUMBER OF HARVESTS	DAYS TO FIRST HARVEST	DATE	DAYS FRM. PLANTING	* PEAK YLD LBS	AVERAGE TIPBURN**	
FIRST	79 NANCY	JS	0.73	17.40	1	70	7/22	70	100.00%	17.40	1 BITTER FLAVOR
	78 SALINA	JS	0.64	11.51	1	77	7/29	77	100.00%	11.51	1 GOOD FLAVOR
	77 PATTY	JS	0.51	9.68	1	77	7/29	77	100.00%	9.68	1 GOOD FLAVOR
SECOND	78 SALINA	JS	1.28	33.33	2	90	10/7	123	76.15%	25.38	3 DENSE HEADS
	77 PATTY	JS	0.77	26.98	3	84	8/29	84	59.01%	15.92	2 GOOD FLAVOR
	79 NANCY	JS	0.85	26.22	2	82	8/27	82	61.35%	16.09	2 BETTER FLAVOR THAN 1ST HARVEST
THIRD	77 PATTY	JS	0.56	20.09	1	102	10/7	102	59.16%	11.88	2 GOOD FLAVOR
	78 SALINA	JS	0.54	15.60	2	77	9/12	77	100.00%	15.60	1 DENSE HEADS
	79 NANCY	JS	0.59	2.97	2	77	10/7	102	100.00%	2.97	1

* SEE SEED SOURCE LIST

** AVERAGE TIPBURN : = SLIGHT, 2 = MODERATE, 3 = SEVERE

FERTILIZER APPLICATION WAS 1,000 LB./A OF 10-20-20 PRIOR TO ROTOTILLING

Table 11. Storage Cabbage Variety Trial, 1986.

CROP: CABBAGE (STORAGE)

DATE PLANTED: 5/28/86

SPACING: ROWS 18" PLANT 12"

ACCESSION NUMBER	VARIETY	SOURCE*	YIELDS				PEAK CUT					AVG CORE LENGTH**	AVERAGE DENSITY***	COMMENTS
			AVG. HEAD LBS.	HEAD LBS/40'	NUMBER OF HARVESTS	DAYS TO FIRST HARVEST	DATE	DAYS FRM. PLANTING	%	PEAK YLD LBS				
85	AK 6467	MF	2.12	19.06	2	249	10/6	249	68.52%	13.06	3	1	GOOD COLOR & FLAVOR	
86	SAFEKEEPER	StS	2.03	14.24	1	258	10/15	258	100.00%	14.24	3	1	OBLONG SHAPE, GOOD FLAVOR	
83	WINTERKEEPER	StS	2.13	10.63	1	258	10/15	258	100.00%	10.63	3	1	GOOD SHAPE & COLOR	
92	RUBY PERFECTION	JS	1.10	5.91	1	258	10/15	258	100.00%	5.91				
90	AUTORD F1	StS	1.76	1.76	1	258	10/15	258	100.00%	1.76	2	1	DEEP RED COLOR	
87	LARIAT	JS	0.00	0.00	0	0			0.00%	0.00				
82	APRIL GREEN	StS	0.00	0.00	0	0			0.00%	0.00				
89	APEX	JS	0.00	0.00	0	0			0.00%	0.00				
88	CUSTODIAN F1	JS	0.00	0.00	0	0			0.00%	0.00				
91	QUICK GREEN	StS	0.00	0.00	0	0			0.00%	0.00				
84	ERDEND	JS	0.00	0.00	0	0			0.00%	0.00				

* SEE SEED SOURCE LIST

** AVERAGE CORE LENGTH 1 = 0-4CM, 2 = 4-6CM, 3 = GREATER THAN 6CM

*** AVERAGE DENSITY 1 = FIRM, 2 = MEDIUM, 3 = LOOSE, 4 = NO HEAD FORMED

FERTILIZER APPLICATION WAS 1,000 LB./A OF 10-20-20 PRIOR TO ROTOTILLING