



SUMMARY
of
VEGETABLE VARIETY TRIALS
FAIRBANKS, ALASKA
1984

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Circular (University of Alaska, Fairbanks. Agricultural
and Forestry Experiment Station)

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SUMMARY OF VEGETABLE VARIETY TRIALS FAIRBANKS, ALASKA, 1984

Introduction

This report summarizes evaluations of vegetable varieties conducted by the Horticulture Department of the University of Alaska, Fairbanks, 1984. Variety trials were all conducted at the Agricultural and Forestry Experiment Station's research farm at Fairbanks.

The objective of this research is to select varieties of vegetables that are adapted to this environment. It also identifies types whose adaptability may be improved through development of improved cultural techniques. The selection effort is directed at finding varieties useful to both the commercial growers and home gardeners.

Varieties are chosen for inclusion in the variety tests on the basis of their description, the latitude of origin, and the record of the plant-breeding programs for producing kinds that have previously been found adapted. Standard recommended varieties are included in the trials for comparison.

The vegetable variety evaluation program has been responsible for a continuous improvement in yields, quality, and dependability for many vegetable crops. Our philosophy is to depend upon the many existing plant-breeding programs instead of investing in an expensive, on-site, plant-breeding effort. Progress can be made more rapidly by variety selection at this time.

Climatic data in Table 1 show that temperatures during the 1984 growing season at Fairbanks were above the 38 year average in May and June. However, the sky was overcast much of the time in July and August and daytime temperatures were close to 3 °F below the 38-year average. The frost free period extended from May 28 until August 28. Consequently, yields of almost all vegetable crops were below normal. Sweet corn yields were especially reduced and many varieties which normally produce high yields did not mature prior to the first killing frost.

Rainfall was below normal from June through September (table 1) and irrigation was used when necessary.

The following tables show our results — including yields, maturity dates, and other useful characteristics and observations.

**Table 1. Climatic Data for the Fairbanks Growing Season: 1983, 1984,
and the Long-Term Average**

	Average Temperature (°F)			Precip. (in.)
	Daily max.	Daily min.	Daily mean	
	-----May-----			
1984	60.7	36.6	48.6	1.06
1983	61.6	32.1	46.8	0.09
38-year average	60.3	33.7	46.9	0.76
	-----June-----			
1984	74.3	48.6	61.4	0.85
1983	73.7	45.9	59.8	1.24
38-year average	71.7	44.1	57.9	1.50
	-----July-----			
1984	70.0	51.5	60.8	1.94
1983	75.2	52.8	64.0	0.87
38-year average	72.6	47.1	59.9	2.15
	-----August-----			
1984	64.1	43.9	54.0	1.30
1983	62.5	43.0	52.8	3.81
38-year average	67.1	42.9	55.1	2.38
	-----September-----			
1984	59.8	33.1	46.4	0.25
1983	50.6	30.1	40.4	0.83
38-year average	55.4	33.6	44.6	1.29

Table 2. Broccoli Variety Trials, Upland, 1984.

A.E.S. Accession No.	Variety	Source ¹	Spacing		First harvest	Peak cut		Yield (lbs/100')		Average wt. (gm)	Comments
			plant	row		date	% cut	terminals	laterals		
6146	Shogun	NK	16''	3'	7-30	8-6	31	220.8	6.6	1335.7	good late variety, large heads,
7423	Green Valiant	J	16''	3'	7-13	7-16	44	75.0	61.1	453.6	good quality
6972	Emperor	J	16''	3'	7-11	7-16	61	67.4	51.8	407.7	good quality, consistent high yields, nice laterals
1854	Green Dwarf	S	12''	3'	7-11	7-16	48	52.3	61.2	237.3	good quality, consistent high yields
7627	Laser	RS	16''	3'	7-11	7-11	38	46.4	35.3	280.7	nice compact heads, large laterals
7618	Goliath	St	16''	3'	7-2	7-9	32	44.2	63.7	267.5	nice tight heads
7707	Packman	L	16''	3'	7-2	7-2	37	42.0	68.2	254.3	earliest variety
6632	Skiff	RS	16''	3'	7-9	7-11	26	39.6	29.3	239.7	nice tight heads
7198	Green Duke	Tw	16''	3'	7-2	7-6	31	37.7	73.4	228.0	good quality
7630	Corvet	RS	16''	3'	7-9	7-9	50	35.1	62.6	212.0	
6973	Premium Crop	J	16''	3'	7-9	7-11	49	34.0	52.2	205.8	
7628	Cruiser	RS	16''	3'	7-9	7-11	50	27.5	38.3	166.2	
7610	Top Star	B	16''	3'	7-2	7-4	37	26.4	60.9	159.6	

¹ See seed-source list.

Note: Greenhouse-grown plants, 27 days old, were transplanted into the field on May 21, 1984. Fertilizer application was 1500 lb/A 10-20-20 prior to rototilling. Trace elements (Peters Soluble Trace Element Mix) were applied at the rate of 2 oz/100 ft² on June 12, 1984.

Table 3. Brussels Sprouts Variety Trials, Upland, 1984.

A.E.S. Accession No.	Variety	Source ¹	Spacing		First harvest	Yield (gm/plant)	Yield (lb/100')	Comments
			plant	row				
7657	Early Crop	H	2'	3'	8-13	801	88.3	early, some slightly overmature at 1st harvest
4424	Earli-Jade	A&C	2'	3'	8-13	643	70.9	early, some slightly overmature at 1st harvest
4064	Jade Cross E	NK	2'	3'	8-13	491	54.1	consistent high yield
6653	Prince Marvel	Tw	2'	3'	8-13	437	48.2	good quality
7631	Acropolis	RS	2'	3'	8-13	246	27.1	
7487	Bedford Marsters	GM	2'	3'	—	—	—	

¹ See seed source list.

Note: Greenhouse-grown plants, 54 days old, were transplanted into the field on May 22, 1984. Fertilizer application was 1500 lb/A 10-20-20 prior to rototilling. Trace elements (Peters Soluble Trace Element Mix) were applied at the rate of 2 oz/100 ft² on June 13, 1984.

Table 4. Cabbage Variety Trials, Upland, 1984.

A.E.S. Accession No.	Variety	Source ¹	Spacing		First harvest	Peak harvest		Yield (lb/100')	Average wt. (gm)	Av. core ²	Av. density ³	Comments
			plant	row		date	% harvest					
7642	Casio	RS	16''	3'	8-8	8-10	45	629.1	3804.7	3.0	4.5	good flavor
7322	Winterkeeper	St	16''	3'	8-10	8-27	33	607.8	3676.1	3.0	4.0	storage type, excellent flavor
7321	Custodian	St	16''	3'	8-20	8-22	30	577.7	3493.5	2.5	2.5	storage type, good flavor, low density
7129	Bravo	H	16''	3'	8-1	8-6	41	543.9	3289.6	2.5	3.0	mild flavor
4511	Hinova	Se	16''	3'	8-27	8-31	69	531.0	3211.4	3.5	4.5	consistent high yields, good flavor, stores well
7658	Sanibel	H	16''	3'	7-18	8-27	40	507.4	3068.2	2.5	3.0	
7659	Rio Verde	H	16''	3'	8-3	8-3	59	468.4	2833.3	2.5	2.5	susceptible to tipburn
7641	Grenit	RS	16''	3'	7-18	8-1	52	445.3	2693.2	2.0	2.0	
7446	Savoy Ace	Ag	16''	3'	7-26	8-1	57	394.3	2385.0	2.0	3.5	best savoy
7199	Blue Ribbon	Tw	16''	3'	7-18	7-26	30	367.1	2220.3	2.0	3.0	
7588	Ruby Ball	VB	16''	3'	7-23	8-1	41	326.1	1972.1	2.5	4.5	red, good mild flavor
7425	Ruby Perfection	J	16''	3'	8-13	8-13	29	320.4	1937.7	2.0	4.5	red, good sl. peppery flavor
7424	Blue Max	J	16''	3'	8-8	8-8	30	309.5	1871.9	2.0	3.0	
7708	Erin	Al	16''	3'	7-23	7-26	49	292.6	1769.5	3.0	4.0	
7320	Ice Queen	St	16''	3'	8-31	8-31	100	288.0	1741.5	3.0	1.5	savoy, bad tipburn
7445	Viking	Ag	16''	3'	7-11	7-26	27	271.7	1643.1	2.5	3.0	
7634	Zodiac	RS	16''	3'	7-18	7-18	36	238.3	1440.7	1.5	2.5	
7673	Tastie	T&T	16''	3'	7-6	7-13	36	178.0	1076.3	2.0	3.5	good early variety
7323	Salarite	St	16''	3'	7-9	7-11	75	160.9	972.7	2.6	3.5	semi-savoyed
6634	Vela	RS	16''	3'	7-4	7-6	82	140.1	847.0	3.0	4.0	good early variety
7632	Delphi	RS	16''	3'	7-2	7-6	84	134.3	812.7	2.5	4.0	good early variety, good flavor
7497	Bergkabis	V	16''	3'	7-4	7-6	60	117.6	711.1	2.5	3.5	good flavor, 3rd earliest
7633	Hermes	RS	16''	3'	7-4	7-6	46	108.2	654.3	1.5	3.5	

¹ See seed source list.

² Core length is noted from 1 to 5, with 1 being the shortest, most desirable, and 5 being the longest.

³ Density is noted from 1 to 5, with 1 being the least dense and 5 being the densest and most desirable.

Note: Greenhouse grown plants 27 days old were transplanted into the field May 21, 1984. Fertilizer application was 1500 lb/A 10-20-20 prior to rototilling. Trace elements (Peters Soluble Trace Element Mix) were applied at a rate of 2 oz/100ft² on June 12, 1984.

Table 5. Carrot Variety Trials, Bottomland, 1984.

A.E.S. Accession No.	Variety	Source ¹	Spacing row	Harvest date	Yield (lb/100')	Average wt. (gm)	Comments
6677	Touchon Deluxe	St	3'	8-28	283.3	63.7	promising new variety
7638	Fedora	RS	3'	8-28	271.6	65.2	promising new variety
7427	Kuroda Chantenay	J	3'	8-28	268.3	104.0	consistent high yield
7447	Royal Chantenay	Ag	3'	8-28	253.0	58.5	good flavor
6691	Royal Danvers	Ag	3'	8-28	250.3	103.2	good flavor
7660	Pioneer	H	3'	8-28	243.7	51.7	good flavor
7637	Lindoro	RS	3'	8-28	241.2	48.4	good flavor
7636	Nevesta	RS	3'	8-28	234.2	50.8	
7318	Spartan Bonus	St	3'	8-28	222.1	66.7	
7701	Amsterdam Forcing	WD	3'	8-28	214.5	57.6	
7391	Royal Cross	P	3'	8-28	211.4	145.3	good flavor
1573	Scarlet Nantes	Hb	3'	8-28	206.1	59.2	good flavor
7498	Red-Cored Chantenay	V	3'	8-28	192.2	48.7	
7428	Kinko	J	3'	8-28	185.1	118.2	large, short
7635	Clairon	RS	3'	8-28	177.6	39.7	
7429	Orlando Gold	J	3'	8-28	164.2	95.5	good flavor
7710	Early Cross	Al	3'	8-28	148.1	94.6	

¹ See seed source list.

Note: Carrots were seeded May 29, 1984 with a Planet Jr. Seeder, using hole No. 8, and were not thinned. Fertilizer application was 1500 lb/A 10-20-20 prior to rototilling.

Table 6. Cauliflower Variety Trials, Upland, 1984.

A.E.S. Accession No.	Variety	Source ¹	Spacing		First harvest	Peak harvest		Yield (lb/100')	Average wt. (gm)	Comments
			plant	row		date	% harvest			
7324	White Top	St	16''	3'	7-26	8-13	16	174.8	1057.3	consistent high yields, nice large heads
7643	Andes	RS	16''	3'	7-20	7-30	38	170.6	1031.7	consistent high yields
7644	Vernon	RS	16''	3'	7-30	8-3	36	161.8	978.7	nice large heads
7661	Snowball 123	H	16''	3'	7-23	7-30	49	132.5	801.3	
6780	White Fox	St	16''	3'	7-9	7-26	27	132.3	800.0	nice looking heads
6778	Dominant	St	16''	3'	7-20	7-26	44	129.1	780.7	good quality
7410	Formana	Se	16''	3'	7-13	7-26	46	120.8	730.4	
6640	Erfurter Duromax	RS	16''	3'	7-18	7-26	46	115.2	696.4	
4591	Nevada	RZ	16''	3'	7-16	7-23	40	112.1	677.9	self blanching
7325	White Rock	St	16''	3'	7-20	8-3	58	110.8	670.4	
7640	Alpha Durato	RS	16''	3'	7-13	7-16	39	100.3	606.8	
6777	Delira	St	16''	3'	7-11	7-16	44	98.3	594.7	
6587	Early Snowball	NK	16''	3'	7-13	7-30	32	90.9	550.0	
6639	Alpha Fortados	RS	16''	3'	7-9	7-9	52	82.6	499.6	early season variety
4976	Snow Crown	G	16''	3'	7-6	7-13	33	63.2	382.1	early season variety
7639	Alpha Paloma	RS	16''	3'	7-6	7-6	30	61.0	369.2	early season variety
7326	Alert	St	16''	3'	7-6	7-6	82	59.5	359.7	early season variety, uniformly maturing
7256	Snow March	G	16''	3'	—	—	—	—	—	did not produce heads
7670	Bostonian	Da	16''	3'	—	—	—	—	—	did not produce heads

¹ See seed-source list.

Note: Greenhouse-grown plants, 28 days old, were transplanted into the field on May 22, 1984. Fertilizer application was 1500 lb/A 10-20-20 prior to rototilling. Trace elements (Peters Soluble Trace Element Mix) were applied at the rate of 2 oz/100 ft².

Table 7. Celery Variety Trials, Upland, 1984.

A.E.S. Accession No.	Variety	Source ¹	Spacing		Harvest date	Average wt. (gm)	Yield (lb/100')	Comments
			plant	row				
3802	Transgreen	FM	12''	12''	8-24	1281.8	282.6	excellent flavor, consistent high yields
6979	Green Giant	J	12''	12''	8-24	1237.8	272.9	excellent flavor, consistent high yields
7257	Florida 683	G	12''	12''	8-24	1225.8	270.2	good flavor
6787	Stokes Impr. Utah 52-70	St	12''	12''	8-24	1116.8	246.2	good flavor

¹ See seed source list.

Note: Greenhouse-grown plants, 63 days old, were transplanted into the field on May 31, 1984. Fertilizer application was 1500 lb/A 10-20-20 prior to rototilling. Crop was side dressed with 10-20-20 on July 30, 1984.

Table 8. Cucumber Variety Trials, Upland, 1984.

A.E.S. Accession No.	Variety	Source ¹	Spacing		First harvest	Peak harvest		Yield (gm/plant)	Yield (lb/100')	Average wt. (gm)	Comments
			plant	row		date	% harvest				
6684	Sweet Success	AAS	3'	5'	7-18	8-3	17	8470.0	621.8	292.1	slicer, consistent high yields, good flavor
5676	Euro-American	G	3'	5'	7-20	8-6	15	6476.7	475.5	211.2	slicer, smooth skin, good flavor
5919	Slicemaster	Tw	3'	5'	7-23	8-6	20	5545.0	407.1	155.5	slicer
7543	Early Pride	Bu	3'	5'	7-26	8-6	17	5208.3	382.4	150.2	slicer, consistent high yields
7544	Earlipik	Bu	3'	5'	7-18	8-13	13	4388.3	322.2	54.2	pickler
7203	Setmore 100	Tw	3'	5'	7-20	8-6	29	4015.0	294.8	160.6	slicer
7500	Raider	V	3'	5'	7-26	8-6	24	3956.7	290.5	167.2	slicer
7675	Amira	T&T	3'	5'	7-20	8-1	17	3737.5	274.4	126.7	slicer, spineless
7545	Burpeeana Hyb. II	Bu	3'	5'	7-23	8-6	14	3721.7	273.2	159.5	slicer
6038	Northern Pickling	J	3'	5'	7-18	8-20	10	3373.3	247.6	48.4	pickler
7431	Salvo	J	3'	5'	7-18	8-13	12	3318.3	243.6	53.8	pickler
7621	Centurion	Sg	3'	5'	7-30	8-6	26	3186.7	233.9	164.8	slicer
6152	Morden Early	T&T	3'	5'	7-18	8-17	10	2856.7	209.7	44.6	pickler
7683	Maximore 101	A&C	3'	5'	7-26	8-8	17	2796.7	205.3	178.5	slicer
6658	Liberty	TW	3'	5'	7-18	8-1	12	2320.0	170.3	58.5	pickler
6055	Park's Commanche	P	3'	5'	7-23	8-20	28	1686.7	123.8	129.7	slicer
6895	Tiny Dill	P	3'	5'	7-26	8-13	17	1671.7	122.7	56.3	pickler
7620	Early Surecrop	Sg	3'	5'	7-30	8-22	23	1542.5	113.2	176.3	slicer

¹See seed source list.

Note: Greenhouse-grown plants 25 days old were transplanted into the field June 5, 1984. Plants were grown through 1.5-mil clear polyethylene. Fertilizer application was 1500 lb/A 10-20-20 prior to rototilling.

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Table 9. Eggplant Variety Trials, Upland, 1984.

A.E.S. Accession No.	Variety	Source ¹	Spacing		First harvest	Peak harvest		Yield (gm/plant)	Yield (lb/100')	Average wt. (gm)	Comments
			plant	row		date	%				
7611	Satin Beauty	B	18''	3'	7-30	8-6	20	907.5	133.4	201.7	very marginal crop in interior, Dusky & Imperial are consistently good performers
3487	Dusky	A&C	18''	3'	7-20	8-6	23	586.3	86.2	137.9	
6094	Imperial	A&C	18''	3'	7-20	8-18	28	323.8	47.6	117.7	

¹ See seed source list.

Note: Greenhouse-grown plants, 64 days old, were transplanted into the field on June 1, 1984. Plants were grown through 1.5-mil clear polyethylene and covered with clear-polyethylene tunnel row covers during early June. Fertilizer application was 1500 lb/A 10-20-20 prior to rototilling.

Table 10. Green Pea Variety Trials, Upland, 1984.

A.E.S. Accession No.	Variety	Source ¹	Block size	First harvest	Peak harvest		Yield ² (gm/plot) ³	Yield ² (lb/100')	% shelled weight to weight in shell	Comments
					date	% harvest				
Shell Peas										
7501	Greater Progress	V	3' 10'	7-16	7-20	50	18040	397.7	30.4	not particularly sweet
7594	Lincoln	VB	3' 10'	7-23	7-27	24	15820	348.8	31.1	mid-late variety, good flavor
5934	Green Arrow	Tw	3' 10'	7-23	8-6	35	15635	344.7	30.6	very good flavor, long pod
7592	Almoto	VB	3' 10'	7-27	8-6	35	14340	316.1	33.8	
7459	Mayfair	Ag	3' 10'	7-27	8-8	34	14180	312.6	34.6	
7339	Novella	St	3' 10'	7-23	7-27	46	13915	306.8	41.9	semileafless, good flavor
7595	Superfection	VB	3' 10'	7-23	8-6	26	12105	266.9	44.1	
6059	Patriot	P	3' 10'	7-18	7-27	27	11750	259.0	37.4	
7593	Lacy Lady	VB	3' 10'	7-18	7-27	23	11040	243.4	31.4	
7419	Frosty	J	3' 10'	7-18	7-27	23	10440	230.2	29.1	
5933	Sparkle	Tw	3' 10'	7-20	7-27	27	9275	204.5	32.0	
Edible Podded Peas										
7420	Snowflake	J	3' 10'	7-20	8-6	29	13125	289.4	—	very large pods
7598	Oregon Sugar Pod	VB	3' 10'	7-16	7-23	18	12990	286.4	—	
7705	Norli	WD	3' 10'	7-10	7-10	25	8955	197.4	—	
Snap Peas										
7677	Early Honey Pod	T&T	3' 10'	7-20	8-6	19	14480	319.2	—	poor quality and flavor
3273	Sugar Snap	Bu	3' 10'	7-20	8-15	25	11280	248.7	—	needs staking
7421	Sugar Rae	J	3' 10'	7-20	7-30	24	10970	241.8	—	
7422	Sugar Ann	J	3' 10'	7-10	8-15	19	10000	221.8	—	very early, compact, good flavor
6135	Early Snap	Ag	3' 10'	7-13	7-16	17	9735	214.6	—	
7209	Sugar Bon	Tw	3' 10'	7-13	7-16	29	8370	184.5	—	
7597	Sweet Snap	VB	3' 10'	7-16	7-16	18	7665	169.0	—	not as sweet as others, small pods

¹ See seed source list.

² Weight including shell.

³ Plot = 3' x 10' block with seven rows spaced 6' apart.

Note: Peas were seeded on May 18 (shelled peas) and May 21 (snap and edible podded peas) 1984. Fertilizer application was 1500 lb/A 10-20-20 prior to rototilling.

Table 11. Crisphead Lettuce Variety Trials, Bottomland, 1984.

A.E.S. Accession No.	Variety	Source ¹	Spacing		First harvest	Peak harvest		Yield (lb/100 ²)	Average wt. (gm)	Av. core ²	Av. density ³	Comments
			plant	row		date	% harvest					
7827	Van Mor	Mo	1'	3'	8-24	8-24	100	231.2	1311	1.1	4.2	good quality, uniform maturity
7831	Malika	S&G	1'	3'	8-15	8-15	78	185.1	1399	1.9	3.6	
6661	Montello	Tw	1'	3'	8-15	8-15	92	163.0	924	1.1	3.7	consistent high yields
7826	Sea Green	Mo	1'	3'	8-15	8-24	67	122.2	1386	1.6	4.4	
7395	Great Lakes W.S.	P	1'	3'	8-15	8-24	71	120.4	1170	1.5	3.9	poor germination
7824	Delmar	Mo	1'	3'	8-15	8-24	67	117.0	1768	1.9	3.6	
7397	Vanguard	P	1'	3'	8-24	8-24	100	96.4	1640	1.2	3.9	poor germination
7828	Yuma	Mo	1'	3'	8-24	8-24	100	91.6	1558	1.2	4.2	
7396	Mission	P	1'	3'	8-15	8-15	100	73.3	1248	1.5	3.5	poor germination
5963	Ithaca	St	1'	3'	8-3	8-3	100	57.7	785	1.5	3.5	
7825	El Toro	Mo	1'	3'	8-24	8-24	100	44.1	1500	1.0	4.5	very poor germination
7829	Frosty	St	1'	3'	8-15	8-15	50	35.3	1200	1.8	3.5	
7589	Great Lakes 659	VB	1'	3'	8-24	8-24	100	23.5	1600	1.0	4.5	very poor germination no useable heads
7663	Fairton	H	1'	3'	8-24	8-24	100	18.4	1250	1.0	3.0	
5965	Minilake	St	1'	3'	—	—	—	—	—	—	—	very poor germination no useable heads
7830	Calona	S&G	1'	3'	—	—	—	—	—	—	—	

¹ See seed source list.

² Core length is noted from 1 to 5 with 1 being the shortest, most desirable and 5 the longest.

³ Density is noted from 1 to 5 with 1 the least dense and 5 the densest and most desirable.

Note: Lettuce was seeded in bottomland plots on May 19, 1984. Fertilizer application was 1500 lb/A 10-20-20 prior to rototilling.

Table 12. Pepper Variety Trials, Upland, 1984.

A.E.S. Accession No.	Variety	Source ¹	Spacing		First harvest	Peak harvest		Yield (gm/plant)	Yield (lb/100')	Average wt. (gm)	Comments
			plant	row		date	%				
5737	Gypsy	AAS	9"	5'	7-9	8-20	27	739.2	217.2	42.6	yellow tapered, mild, early
7213	Ma Belle	Tw	9"	5'	7-20	8-24	26	723.3	212.6	85.1	bell, nice blocky shape
7262	Park's Early Thickset	P	9"	5'	7-18	8-22	22	706.7	207.7	66.3	bell, consistent high yields
7332	Goldie	St	9"	5'	7-23	8-20	29	685.0	201.3	40.3	small, golden bell
7672	Super Shepherd	St	9"	5'	7-20	8-20	21	675.8	198.6	51.3	Italian sweet, sweet flavor
7258	Early Bountiful	G	9"	5'	7-23	8-24	24	634.2	186.4	56.0	bell
7211	Golden Bell	Tw	9"	5'	7-16	8-24	72	633.3	186.1	90.5	bell, most harvested green just prior to frost
5925	Early Prolific	Tw	9"	5'	7-23	8-20	22	632.5	185.9	65.4	bell
7330	Stokes Early	St	9"	5'	7-23	8-20	22	631.7	185.6	58.3	bell
7399	Sweet Banana	P	9"	5'	7-18	8-20	31	465.8	136.9	24.1	yellow, mild flavor
6136	Italian Sweet	Ag	9"	5'	7-18	8-20	25	376.7	110.7	36.5	Italian Sweet
7212	Pro Belle II	Tw	9"	5'	7-23	8-22	30	313.3	92.1	64.8	bell
6042	Karlo	J	9"	5'	7-16	8-13	20	310.0	91.1	35.1	hot yellow pepper
7612	Butterfingers	B	9"	5'	7-16	8-20	19	283.3	83.3	10.4	sweet yellow, attractive fruit
5882	Hungarian Yellow										
	Hot Wax	NK	9"	5'	7-9	8-13	17	280.0	82.3	15.8	earliest hot pepper, yellow
5564	Hot Portugal	H	9"	5'	7-20	8-22	44	278.3	81.8	25.3	very hot, harvested green
7502	Eastern Rocket	V	9"	5'	7-9	8-22	30	276.7	81.3	44.9	early hot pepper
7622	Romanian	Sg	9"	5'	7-16	8-6	29	111.2	32.7	23.0	sweet yellow
7331	Ring of Fire	St	9"	5'	8-13	8-24	97	97.5	28.7	5.4	very hot, harvested green just prior to frost

¹ See seed source list.

Note: Greenhouse-grown plants, 57 days old, were transplanted into the field on June 1, 1984. Plants were grown through 1.5-mil clear polyethylene and covered with clear-polyethylene tunnel row covers during early June. Fertilizer application was 1500 lb/A 10-20-20 prior to rototilling.

Table 13. Potato Variety Trials, Bottomland, 1984.

A.E.S. Accession No.	Variety	Source ¹	Spacing		Harvest date	Yield	Yield	Average wt. (oz)	%U.S. #1	Comments
			plant	row		U.S. #1 (lb/100 ³)	U.S. #1 (ton/acre)			
—	Superior	F	1'	3.3'	8-29	298	19.7	7.1	86.4	early maturing
—	Bakeking	AK	1'	3.3'	8-29	293	19.3	6.5	80.7	high quality, good baking
—	Green Mountain	AK	1'	3.3'	8-29	274	18.1	8.9	77.2	
—	Alaska 114	AK	1'	3.3'	8-29	262	17.3	7.3	79.4	good quality
—	83-13	CD	1'	3.3'	8-29	220	14.5	6.2	84.3	
—	Alaska Red	CD	1'	3.3'	8-29	217	14.3	5.2	77.0	red skin
—	Norgold Russet	P&S	1'	3.3'	8-29	205	13.5	6.2	78.5	russet
—	Norland	F	1'	3.3'	8-29	158	10.4	5.3	64.8	red skin
696	Kennebec ²	Gu	1'	3.3'	8-29	135	8.9	7.4	67.5	tendency toward hollow heart
—	Rote Erstling	AK	1'	3.3'	8-29	135	8.9	5.2	52.7	yellow flesh, red skin
—	Swedish	AK	1'	3.3'	8-29	113 ³	7.4	3.3	—	
695	Butte ²	Gu	1'	3.3'	8-29	20	1.3	8.0	22.8	russet

¹ See seed source list.

² Seed potato eyes (less than 0.5 oz) were purchased rather than using pieces (greater than 2.5 oz) from seed potatoes grown the previous season.

³ U.S. # 1 size standards not applied.

Note: Potatoes were planted May 29, 1984 in bottomland soils amended in 1975 with 1000 yd³/A peat obtained from the College peat bogs. The pH of the amended soil was ca 5.5. Fertilizer application was 1500 lb/A 10-20-20 prior to rototilling.

Table 14. Pumpkin Variety Trials, Upland, 1984.

A.E.S. Accession No.	Variety	Source ¹	Spacing		Harvest date	Yield (kg/plant)	Yield (lb/100')	Average wt. (kg)	Comments
			plant	row					
5970	Connecticut Field	St	8'	8'	8-26	103.8	2859.4	12.2	consistent high yields
7668	Pankow's Field	H	8'	8'	8-26	52.4	1443.8	9.5	
6811	Small Sugar	Al	8'	8'	8-26	37.6	1037.5	2.7	small fruit, for home use
7215	Funny Face	Tw	8'	8'	8-26	36.3	1000.0	6.0	
4978	Little Boo	Ag	8'	8'	8-26	26.1	718.8	3.3	white skin
7214	Half Moon	Tw	8'	8'	8-26	20.4	562.5	6.8	
7815	Winter Luxury	Gu	8'	8'	—	—	—	—	harvested green, rotted before ripening

¹ See seed source list.

Note: Greenhouse-grown plants 32 days old were transplanted into the field June 5, 1984. Plants were grown through 1.5-mil clear polyethylene. Fertilizer application was 1500 lb/A 10-20-20 prior to rototilling.

Table 15. Snapbean Variety Trials, Upland, 1984.

A.E.S. Accession No.	Variety	Source ¹	Spacing row	First harvest	Peak harvest		Yield (lb/100')	Comments
					date	% harvest		
5666	Provider	Hb	3'	8-3	8-6	30	124.5	consistent good flavor and quality
7604	Golden Wax Impr	VB	3'	8-3	8-10	30	99.8	attractive color, best wax last 2 years
5934	Strike	St	3'	8-6	8-10	37	97.6	consistent high yields, very good flavor
7458	Green Ruler	Ag	3'	8-3	8-21	30	90.1	flat podded, excellent flavor
7418	Keygold Wax	J	3'	8-3	8-10	33	85.0	
7195	Bountiful	Tw	3'	8-3	8-10	27	78.2	flat podded, good flavor
6031	Beurre De Rocquencourt	J	3'	8-3	8-21	32	78.1	wax
4234	Spartan Arrow	St	3'	8-3	8-21	31	76.2	
6766	Honey Gold Wax	St	3'	8-3	8-21	31	72.2	
7390	Topcrop	P	3'	8-3	8-21	29	63.9	
6090	Roma II	A&C	3'	8-3	8-21	31	61.5	flat podded, good flavor
7338	Golden Rod Wax	St	3'	8-3	8-10	27	60.5	
7194	White Seeded Provider	Tw	3'	8-3	8-10	32	47.9	
7417	Jumbo	J	3'	8-3	8-21	36	46.9	
7456	Golden Butterwax	Ag	3'	8-6	8-21	33	34.8	
7196	Majestic Wax	Tw	3'	8-10	8-21	33	30.1	
7457	Greenway	Ag	3'	8-10	8-21	42	22.1	
5931	Contender	Tw	3'	—	—	—	—	poor germination, no data taken

¹ See seed source list.

Note: Snapbeans were seeded May 30, 1984. Fertilizer application was 1500 lb/A 10-20-20 prior to rototilling.

Table 16. Summer Squash Variety Trials, Upland, 1984.

A.E.S. Accession No.	Variety	Source ¹	Spacing		First harvest	Peak harvest		Yield (gm/plant)	Yield (lb/100')	Average wt. (gm)	Comments
			plant	row		date	% harvest				
6797	Greyzini	St	3'	5'	7-9	7-26	11	17162	1259.9	339.9	striped zucchini, consistent high yields
6926	Senator	Se	3'	5'	7-9	7-26	16	14098	1034.9	391.6	zucchini, consistent high yields
7441	Buccaneer	J	3'	5'	7-9	7-26	18	14070	1032.9	413.8	zucchini, consistent high yields
6215	Zucchini Elite	H	3'	5'	7-9	8-6	17	13908	1021.0	361.2	zucchini, consistent high yields
7411	President	Se	3'	5'	7-6	8-6	18	13878	1018.8	355.8	zucchini
6906	Aristocrat	P	3'	5'	7-11	8-6	15	12992	953.8	393.7	zucchini
5889	Gold Rush	NK	3'	5'	7-11	7-26	14	12348	906.5	301.2	gold zucchini
6669	Sundance	Tw	3'	5'	7-9	7-16	14	11372	834.9	277.4	yellow
7024	Richgreen	Bu	3'	5'	7-9	7-26	13	11228	824.2	320.8	zucchini
5108	Smoothie	Tw	3'	5'	7-11	7-26	12	11135	817.5	253.1	yellow
7684	Seneca	R	3'	5'	7-6	7-26	16	10155	745.5	383.2	zucchini
7095	Green Magic	VB	3'	5'	7-6	7-26	12	9788	718.5	320.9	zucchini, tends to be stubby
6605	Seneca Prolific	NK	3'	5'	7-11	7-16	17	9428	692.1	258.3	yellow
7811	Gourmet Globe	Gu	3'	5'	7-16	7-26	34	9030	662.9	622.8	striped globe
5284	Black Eagle	NK	3'	5'	7-9	7-26	23	8830	648.2	441.5	zucchini
7556	Sunburst	AAS	3'	5'	7-11	8-20	20	5432	398.8	293.6	yellow scallop

¹ See seed source list.

Note: Greenhouse-grown plants 26 days old were transplanted into the field June 6, 1984. Plants were grown through 1.5 mil clear polyethylene. Fertilizer application was 1500 lb/A 10-20-20 prior to rototilling.

Table 17. Winter Squash Variety Trials, Upland, 1984.

A.E.S. Accession No.	Variety	Source ¹	Spacing		Harvest date	Yield (kg/plant)	Yield (lb/100 ²)	Average wt. (kg)	Comments
			plant	row					
7814	Hungarian Mammoth	Gu	8'	8'	8-26	57.3	1578.1	16.4	green, large fruits
6609	Improved Hubbard	NK	8'	8'	8-26	45.9	1265.6	9.2	green, large fruit, high yields last 2 seasons
4417	Boston Marrow	A&C	8'	8'	8-26	40.7	1121.9	11.6	orange, large fruits, consistent high yields
5894	Pink Banana	NK	8'	8'	8-26	31.4	865.6	7.9	pink-orange, large fruits, consistent high yields
5895	Sweet Meat	NK	8'	8'	8-26	27.0	743.8	4.9	blue-green, good flavor
7455	Buttercup	Ag	8'	8'	8-26	19.2	528.1	2.0	turk's turban, dark green, high quality
7334	Baby Hubbard	St	8'	8'	8-26	18.4	506.3	4.1	orange hubbard
4278	Golden Hubbard	St	8'	8'	8-26	16.6	456.3	3.3	orange hubbard, good quality
5178	Sweet Mamma	St	8'	8'	8-26	13.9	384.4	2.3	dark green buttercup type, high quality
7813	Autumn Pride	Gu	8'	8'	8-26	9.2	253.1	9.2	orange, bush hubbard

¹ See seed source list.

Note: Greenhouse-grown plants 33 days old were transplanted into the field June 5, 1984. Plants were grown through 1.5 mil clear polyethylene. Fertilizer application was 1500 lb/A 10-20-20 prior to rototilling.

Table 18. Sweet Corn Variety Trials, Upland, 1984.

A.E.S. Accession No.	Variety	Source ¹	Spacing		First harvest	Peak harvest		Yield (gm/plant)	Yield (lb/100')	Average wt. (gm)	Days to harvest	Comments
			plant	row		date	% harvest					
5955	Polar Vee	St	1'	5'	8-10	8-20	33	963.5	212.4	256.9	95	uniform, very early variable ears, very early early, usually performs better, high quality
	Yukon Chief	AK	1'	5'	8-10	8-16	36	667.0	147.0	151.6	95	
5162	Earlivee	St	1'	5'	8-24	8-24	100	198.8	43.8	305.8	109	
7499	Morning Star	V	1'	5'	8-26	8-26	100	84.5	18.6	338.0	111	
5897	Earliking	NK	1'	5'	8-26	8-26	100	60.8	13.4	303.8	111	
5952	Butter Vee	St	1'	5'	8-26	8-26	100	35.0	7.7	350.0	111	
6112	Faribo Sugar & Gold	F	1'	5'	8-26	8-26	100	33.5	7.4	223.3	111	
7816	MTD 481	EAK	1'	5'	8-26	8-26	100	27.5	6.1	275.0	111	
7655	Early Golden	F	1'	5'	8-26	8-26	100	13.0	2.9	260.0	111	
5164	Golden Vee	St	1'	5'	—							
5425	Onthyb 805	Si	1'	5'	—							
5424	Onthyb 804	Si	1'	5'	—							
5423	Onthyb 803	Si	1'	5'	—							
5427	Onthyb 741	Si	1'	5'	—							
7412	Spring Crystal	Se	1'	5'	—							
7823	MTD 489	EAK	1'	5'	—							
7822	MTD 488	EAK	1'	5'	—							
7821	MTD 487	EAK	1'	5'	—							
7820	MTD 485	EAK	1'	5'	—							
7819	MTD 484	EAK	1'	5'	—							
7818	MTD 483	EAK	1'	5'	—							
7817	MTD 482	EAK	1'	5'	—							
7816	Marcross	Gu	1'	5'	—							
7656	Golden Beauty	F	1'	5'	—							
7662	Blitz	H	1'	5'	—							

¹ See seed source list.

Note: Sweet corn was seeded on May 14, 1984 and covered with 1.5-mil clear polyethylene. After plants were approximately 4" tall, slits were made to allow plants to emerge from beneath the plastic. Fertilizer application was 1500 lb/A 10-20-20 prior to rototilling.

Table 19. Tomato Variety Trials, Upland, 1984.

A.E.S. Accession No.	Variety	Source ¹	Spacing		First harvest	Peak harvest		Yield (gm/plant)	Yield (lb/100')	Average wt. (gm)	Comments
			plant	row		date	% harvest				
7169	#63	NDS	2.3'	5'	8-14	8-14	27	1553.3	146.8	33.8	green shoulder, juicy, tart flavor
7167	#73	NDS	2.3'	5'	8-6	8-20	23	1441.7	136.2	47.5	juicy, tart, good flavor
7722	#4 ²	NDS	2.3'	5'	8-6	8-20	19	1320.0	124.7	47.7	sweet good flavor
7166	#18	NDS	2.3'	5'	8-14	8-27	22	1121.7	106.0	41.0	juicy, sl. tart, good flavor
7758	#37 ²	NDS	2.3'	5'	8-6	8-20	29	1040.0	98.3	35.1	sl. mealy, tart, good flavor
6013	Santa	NDS ³	2.3'	5'	8-8	8-11	31	1028.3	97.2	31.8	juicy, sweet, good flavor, consistent high yields
7099	Gem State	NDS ³	2.3'	5'	8-6	8-11	24	845.0	79.8	32.1	juicy, sl. tart, good flavor, consistent high yields
6995	Sub-Arctic Plenty	J	2.3'	5'	8-10	8-27	38	810.0	76.5	40.5	juicy, tart, good flavor
7742	#24 ²	NDS	2.3'	5'	7-26	8-15	14	808.3	76.4	30.7	juicy, mild flavor, tendency to nipple
7109	Shoshone	NDS ³	2.3'	5'	8-8	8-20	23	770.0	72.8	33.5	juicy, tart good flavor
7740	#22 ²	NDS	2.3'	5'	8-6	8-20	23	746.7	70.6	43.1	
7750	#29 ²	NDS	2.3'	5'	8-11	8-27	98	656.7	62.0	93.8	
7172	D 537	NDS	2.3'	5'	8-11	8-27	62	558.3	52.8	67.0	
7743	#25 ²	NDS	2.3'	5'	8-3	8-22	33	505.0	47.7	50.5	
7174	#268	NDS	2.3'	5'	8-20	8-27	39	480.0	45.4	144.0	
7719	#1 ²	NDS	2.3'	5'	8-17	8-24	71	444.0	42.0	45.9	
7073	Early Temptation	V	2.3'	5'	8-20	8-24	40	440.0	41.6	62.9	good flavor
7097	Latah	NDS ³	2.3'	5'	8-10	8-24	36	413.3	39.1	45.9	tough skin
7752	#31 ²	NDS	2.3'	5'	8-8	8-24	32	326.7	30.9	42.6	
7793	#69 ²	NDS	2.3'	5'	8-22	8-27	61	305.0	28.8	152.5	
7767	#46 ²	NDS	2.3'	5'	8-11	8-24	30	296.7	28.0	52.4	
7171	D47	NDS	2.3'	5'	8-17	8-24	28	296.7	28.0	59.3	
6005	Bonner	NDS ³	2.3'	5'	8-17	8-17	41	266.7	25.2	61.5	tough skin
7732	#14 ²	NDS	2.3'	5'	8-20	8-24	38	240.0	22.7	65.5	
7706	Siberian	Sib	2.3'	5'	8-15	8-22	44	218.3	20.6	93.6	soft, sl. mealy, mild flavor
7756	#35 ²	NDS	2.3'	5'	8-15	8-22	43	210.0	19.8	70.0	
7335	Stoke's Alaska	St	2.3'	5'	8-17	8-17	50	178.3	16.9	35.7	
7175	#68	NDS	2.3'	5'	8-22	8-27	56	151.7	14.3	65.0	
7782	#61 ²	NDS	2.3'	5'	8-27	8-27	100	50.0	4.7	75.0	
3475	Tanana	F	2.3'	5'	8-17	8-17	100	13.3	1.3	40.0	
7765	#44 ²	NDS	2.3'	5'	8-24	8-24	100	11.7	1.1	35.0	
7505	Scotia	V	2.3'	5'	—	—	—	—	—	—	
7801	#74 ²	NDS	2.3'	5'	—	—	—	—	—	—	
7219	Revolution	Tw	2.2'	5'	—	—	—	—	—	—	

¹ See seed source list.

² Transplanted at 44 days old due to late arrival of seed.

³ Also available from Mountain Seed Co.

Note: Greenhouse-grown plants 49 days old were transplanted into the field June 6, 1984. Plants were grown through 1.5-mil clear polyethylene. Fertilizer application was 1500 lb/A 10-20-20 prior to rototilling.

Table 20. Container Tomato Variety Trials, 1984.

A.E.S. Accession No.	Variety	Source ¹	First harvest	Yield (gm/plant)	Average wt. (gm)	Comments
6222	Basket King	Bu	7-16	1057.0	33.0	consistent high yields
4778	Pixie	G	7-16	1015.0	49.5	consistent high yields
6698	Toy Boy	Ag	7-16	888.8	29.9	excellent flavor
6907	Bitsy	P	7-20	813.8	29.1	
7259	Tiny Tim	G	7-16	333.8	8.4	

¹ See seed source list.

Note: Greenhouse-grown plants were seeded April 11, 1984, transplanted into 8½'' x 8½'' No. 2 nursery containers and grown in the greenhouse until May 22, 1984 when they were placed outdoors. Plants were fertilized weekly with 20-20-20 soluble fertilizer applied at a rate of 1 tablespoon per gallon of water.

Table 21: Miscellaneous Vegetables Tested

Crop	Source	Comments
Artichokes (Globe)		
No. 5590	Grand Beurre	T&M
		av. terminal size 130 g., excellent quality
No. 5067	Green Globe	Bu
		av. terminal size 143 g., excellent quality
Beets		
No. 7315	Albino White	St
		excellent flavor, some tendency to bolt
No. 7125	Avenger	H
		some tendency to bolt
No. 7316	Burpee's Golden	St
		novelty color
No. 1739	Formanova	V
		good quality, long shape
No. 7669	Forono	Da
		long shape, new variety
No. 7317	Little Egypt	St
		early, nice ball shape
No. 7197	Pacemaker III	Tw
		excellent flavor, texture
No. 6088	Sangria	A&C
		good quality
No. 7314	Vermilion	St
		somewhat woody
Chinese Vegetables - Cabbage		
No. 5912	Jade Pagoda	Tw
		satisfactory
No. 7201	Monument	Tw
		satisfactory
No. 7202	Tropical Delight	Tw
		bolted
No. 7019	Two Seasons	Bu
		satisfactory
Chinese Vegetables - Daikon (Radish)		
No. 4391	Tokinashi	J
		holds well, susceptible to root maggots
Chinese Vegetables - Greens		
No. 7548	Crispy Choy Pak Choy	Bu
		bolted
No. 6949	Green Lance Kale	WD
		satisfactory
No. 7437	Kyona	J
		interesting flavor, fringed leaves, holds well
No. 7436	Taisai	J
		bolted
Dill		
No. 7507	Bouquet	V
		good
No. 4313	Dukat	Ag
		good
No. 3297	Tuve	Ag
		good
Greens		
No. 7204	Blue Knight Kale	Tw
		satisfactory
No. 7433	Konserva Kale	J
		satisfactory, large size
No. 7432	Rhubarb Chard	J
		tendency to bolt
No. 7206	Tendergreen II Mustard	Tw
		satisfactory
No. 7449	Vates Collards	Ag
		satisfactory
No. 5272	Vates Kale	NK
		satisfactory
No. 7327	White King Chard	St
		satisfactory, large size

Table 21, continued

Crop		Source	Comments
Herbs			
No. 4049	Anise	Bu	marginal
No. 6899	Basil, Cinnamon	P	satisfactory, good fragrance
No. 6383	Basil, Green Bouquet	Bu	withstands cooler weather
No. 6900	Basil, Holy	P	satisfactory
No. 7408	Basil, Italian	P	satisfactory
No. 3822	Basil, Lettuce Leaf	P	satisfactory
No. 6898	Basil, Lemon	P	satisfactory
No. 6901	Basil, Licorice	P	not hardy, good fragrance
No. 6619	Borage	NK	satisfactory
No. 6982	Catnip	J	very good
No. 6620	Chervil, Curled	NK	very good
No. 6983	Chinese Leek (Chives)	J	very good
No. 7682	Chives	Ap	very good
No. 4382	Coriander	J	usually produces ripe seed
No. 7702	Cutting Celery	WD	good
No. 7130	Fennel, Mammoth	H	thin stalks
No. 6985	Lavender	J	bloomed
No. 3820	Mint, Curled	P	very good
No. 7261	Oregano	G	good
No. 6984	Pennyroyal	J	very good
No. 6987	Rosemary	J	very good
No. 7506	Sage, Broadleaf	V	very good
No. 6623	Savory, Summer	NK	very good
No. 6988	Sorrel	J	direct seed, good sour flavor
No. 3818	Spearmint	P	very good
No. 6623	Summer Savory	NK	very good
No. 6625	Thyme, English	NK	very good
No. 5664	Thyme, French	Hb	very good
No. 7407	Welsh Onion	P	very good
Kohlrabi			
No. 6902	Azurstar	P	early, sweet flavor
No. 6673	Grand Duke	AAS	early, juicy
No. 7434	Karla	J	somewhat fibrous, cole flavor
No. 7591	Purple Delicacy	VB	later
Leeks			
No. 4343	Giant Elephant	WD	av. wt. 156 g., yielded 161 lb/100 ft.
No. 4388	King Richard	J	av. wt. 182 g., yielded 184 lb/100 ft. good quality
No. 7205	Leader	Tw	av. wt. 205 g., yielded 208 lb/100 ft., good quality
No. 7489	Musselburg	GM	av. wt. 155 g., yielded 140 lb/100 ft.
Lettuce, Bibb			
No. 7546	Burpee's Bibb	Bu	tip-burned
No. 7646	Medeo	RS	satisfactory, buttery flavor
No. 7704	Mirena	WD	satisfactory, buttery flavor
No. 7645	Oresto	RS	satisfactory, buttery flavor
No. 6085	Ostinata	St	satisfactory, crisp texture

continued, next page

Table 21, continued

Crop		Source	Comments
Lettuce, Leaf			
No. 7394	Crispy Sweet	P	satisfactory
No. 5874	Oak Leaf	NK	attractive cut leaves
No. 7393	Prizehead	P	red-tipped, buttery flavor
No. 7552	Red Sails	AAS	fringed leaf, red-tipped
No. 5875	Ruby	NK	reliable
No. 5876	Salad Bowl	NK	reliable
Lettuce, Romaine			
No. 6591	Parris Island	NK	satisfactory, large heads
No. 7711	Valmaine	Al	satisfactory, large heads
No. 6990	Winter Density	J	smaller heads, slight tipburn
Onions, Dry			
No. 4647	Alisa Craig	Su	low yields, but good quality
No. 4645	Bedfordshire Champion Select	Su	unsatisfactory
No. 4644	Bedfordshire Champion Globe	Su	small size
No. 7665	Buccaneer	H	unsatisfactory
No. 7452	Early Yellow Globe	Ag	unsatisfactory
No. 7450	Gambler	Ag	unsatisfactory
No. 4222	Grainex	P	unsatisfactory
No. 7328	Gringo	St	good size, but tops did not dry back
No. 7550	Norstar	St	unsatisfactory
No. 5474	Ringmaker	C	largest size, tops did not dry back
No. 7676	Riverside Strain	T&T	small size, tops did not dry back
No. 7329	Riverside Sweet Spanish	St	good size, tops did not dry back
No. 7625	RS 81001	RS	unsatisfactory
No. 7626	RS 81002	RS	unsatisfactory
No. 4646	Solidity	Su	unsatisfactory
No. 4221	Spano	P	large size, but tops did not dry back
No. 7451	Sweet Spanish, Utah Str.	Ag	good size, but tops did not dry back
Onions, Green			
No. 7208	Evergreen White	Tw	satisfactory, hardy
No. 6794	Hardy White	St	satisfactory, hardy
No. 7654	Heshiko	F	good quality, hardy
No. 6991	Ishikura Long	J	good quality, hardy
No. 7664	Japanese Bunching	H	satisfactory, hardy
No. 7666	Tokyo Long White	H	satisfactory, hardy
Onions, Pickling			
No. 7547	Crystal Wax	Bu	yielded 68 lb/100 ft., good quality
No. 7438	Quicksilver	J	yielded 18 lb/100 ft.

Table 21, continued

Crop		Source	Comments
Parsley			
No. 7405	Curlina	P	very good, attractive
No. 5966	Darki	St	very good, attractive
No. 3480	Decorator	A&C	very good, attractive
No. 5088	Delikat Original	J	very good, attractive
No. 7439	Forest Green	J	very good, attractive
No. 6621	Hardy Italian	NK	plain leaf, very good
No. 5103	Improved Market Gardeners	Tw	very good, attractive
No. 6897	Paramount	P	very good, attractive
Parsnips			
No. 7667	All American	H	av. wt. 84 g., yielded 100 lb/100 ft., long
No. 6596	Improved Hollow Crown	NK	av. wt. 99 g., yielded 96 lb/100 ft., long & thin
Radishes			
No. 7599	Champion	VB	satisfactory
No. 5883	Cherry Belle	NK	good production, quality
No. 7503	Delta Red	V	tendency to bolt
No. 7132	Fancy Red	H	bolted
No. 5106	Inca	Tw	low yields
No. 7216	Red Devil	Tw	bolted
No. 3629	White Icicle	NK	tendency to bolt
Rutabaga			
No. 3217	Altasweet	Pi	some resistance to root maggots
No. 2074	American Purple Top	NK	succumbed to root maggots
No. 7069	York	V	succumbed to root maggots
Spinach			
No. 7454	Chinook II	Ag	bolted
No. 7623	Hybrid 15	Sg	bolted
No. 7648	Majore	RS	tendency to bolt
No. 7671	Medania	Da	tendency to bolt
No. 5176	Melody	St	long standing
No. 7649	Polka	RS	bolted
No. 7504	Popeye's Choice	V	long standing
No. 7651	RS1220	RS	tendency to bolt
No. 7652	RS1224	RS	bolted
No. 7650	RS1225	RS	long standing
No. 7217	Skookum	Tw	long standing
No. 7440	Tyee	J	bolted
No. 6100	Vienna	A&C	bolted
Turnip			
No. 7220	Showtop	Tw	bolted
No. 4380	Tokyo Top	J&P	good quality

Seed Sources

- AAS All-America Selections, 4546 El Camino Real, Suite A, Los Alto, CA 94022
- A&C Abbot and Cobb, Inc., P.O. Box 307, Feasterville, PA 19124
- Ag Agway, Inc., Seed Division, Box 4933, Syracuse, NY 13221
- AK Alaska Agriculture and Forestry Experiment Station, Fairbanks, AK 99701
- Al Alberta Nurseries & Seeds Ltd., Box 20, Bowden, Alberta T0M 0K0, Canada
- Ap Applewood Seed Co., P.O. Box 4000, Golden, CO 80401
- B Geo. Ball Pacific, Inc., Box 9055, Sunnyvale, CA 94088
- Bu W. Atlee Burpee Co., 6350 Rutland Ave., Box 748, Riverside, CA 92502
- C Crookham Co., P.O. Box 520, Caldwell, ID 83605
- CD Dearborn Farms, SR A, Box 6124, Palmer, AK 99645
- Da Daehnfeldt, P.O. Box 947, Albany, OR 97321
- EAK Dr. E.A. Kerr, Stokes Seeds Ltd., 39 James St., P.O. Box 10, St. Catherines, Ontario, L2R 6R6
Canada
- F Farmer Seed & Nursery Co., Faribault, MN 55021
- FM Ferry-Morse Seed Co., P.O. Box 100, Mountain View, CA 94042
- G H.G. German Seeds, Inc., Box N, Smethport, PA 16749
- GM Garden Magic Seed Co., 310 Main St., East Haven, CT 06512
- Gu Gurney Seed and Nursery Co., Yankton, SD 57079
- H Harris Moran Seed Co., 1155 Harkins Rd., Salinas, CA 93901
- Hb Herbst Brothers Seedsmen, Inc., 1000 N. Main St., Brewster, NY 10509
- J Johnny's Selected Seeds, Albion, ME 04910
- J&P Jackson & Perkins Co., Medford, OR 97501
- L Letherman Seed Co., 1221 Tuscarawas St. E., Canton, OH 44707
- M Mountain Seed & Nursery, Box 271, Rt. 1, Moscow, ID 83843
- Mo Moran Seeds - see Harris Moran Seed Co.
- NDS A.A. Boe, Chairman, Dept. of Horticulture & Forestry, North Dakota State U., Fargo
ND 58105
- NK Northrup King & Co., 1500 Jackson St., N.E., Minneapolis, MN 55413
- P George W. Park Seed Co., Box 31, Greenwood, SC 29647
- Pi Pike and Co., Ltd., 10552-114 St., Edmonton, Alberta T5H 3J7 Canada
- P&S Pay 'n Save Stores, Fairbanks, AK
- R Robson Seed Farms Corp., 1 Seneca Circle, Hall, NY 14463
- RS Royal Sluis, Inc., 1293 Harking Rd., Salinas, CA 93907
- RZ Rijk Zwaan Zaadteet en Zaadhandel B.V. Burgem. Crezeelaan 40 DeLier (Holland)
Postbus 40, 2678 ZG DeLier, The Netherlands
- S Sakata Seed Co., 2 Kiribatake, Kanagawa-KV, Yokohama, Japan
- Se Seedway, Inc., Hall, NY 14463
- Sg Siegers Seed Co., 7245 Imlay City Rd., Imlay City, MI 48444
- S&G Sluis & Groot of America, 124A Griffin St., Salinas, CA 93907
- Si Horticultural Experiment Station, Box 587, Simcoe, Ontario N3Y 4N5, Canada
- Sib Siberia Seeds, P.O. Box 3000, Olds, Alberta T0M 1P0, Canada
- St Stokes Seeds, Inc., 5008 Stokes Bldg., Buffalo, NY 14240
- Su Sutton Seeds, Hele Road, Torquay, Devon TQ2 7QJ, England
- T&M Thompson & Morgan, Inc., P.O. Box 1308, Jackson, NJ 08527
- T&T T&T Seeds, Ltd., Box 1710, Winnipeg, Manitoba R3C 3P6, Canada
- Tw Otis S. Twilley Seed Co., Inc., P.O. Box 65, Trevoise, PA 19047
- V Vesey's Seeds, Ltd., York, Prince Edward Is. C0A 1P0, Canada
- VB Vermont Bean Seed Co., Garden Lane, Bomoseen, VT 05732
- WD William Dam Seeds, P.O. West Flamboro, Ontario L0R 2K0, Canada

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