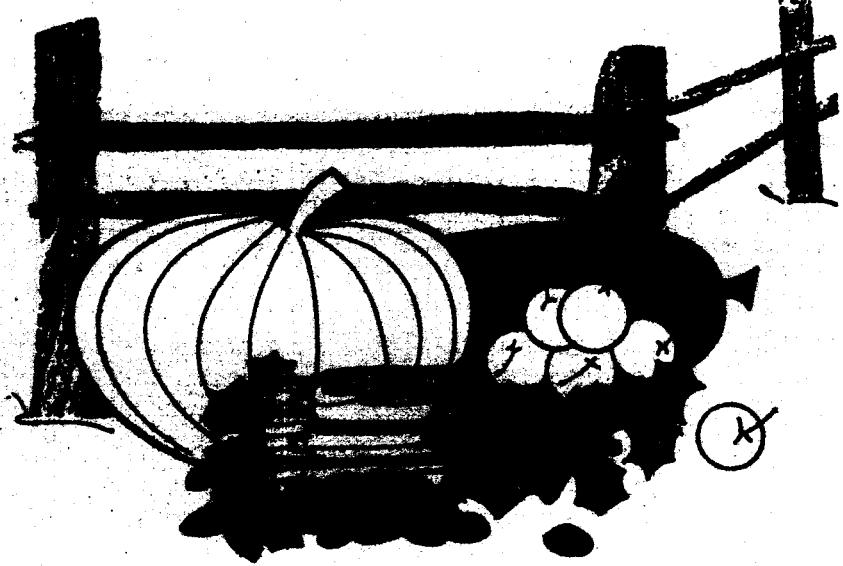


**1985**



**VEGETABLE TRIAL**  
**REPORT**

**RIDGETOWN COLLEGE  
OF**

**AGRICULTURAL  
TECHNOLOGY**

**J MUEHMER**

**B. GILLIER EAGEN**

**R WRIGHT**

## TABLE OF CONTENTS

	<u>Page</u>
Forward .....	2, 3, 4, 5
Weather Data .....	6, 7
Seed Sources .....	8
<u>Tomato</u>	
1/2 Acre Machine Harvest.....	9
Co-ordinated Processing.....	10
Screening Processing.....	11, 12
Co-ordinated Fresh Market.....	13
Screening Fresh Market.....	14, 15, 16
<u>Pepper</u>	
Co-ordinated Processing.....	17
Screening Bell.....	18, 19, 20
Screening Miscellaneous.....	21, 22
Early Cabbage.....	23
Early Red Cabbage.....	24
Early Broccoli.....	25, 26
Early Cauliflower.....	27
Muskmelon.....	28, 29
Leek.....	30
Red Beet.....	30
Glossary.....	31

Processing Vegetable Trials - 1985

J.K. Muehmer  
Ridgetown College of Agricultural Technology  
Ridgetown, Ontario, Canada

General Comments

In our hemisphere weather controls, to a great extent, the success and/or failure of a crop. No "normal" season is ever encountered, but 1985 had more than its share of extremes.

April and most of May felt like summer and had very little precipitation resulting in difficulties for plant establishment. Not only did seeded crops experience difficulty in germination, but also transplants encountered severe field conditions, resulting in crop failures and considerable commercial acreage had to be replanted.

June and July had relatively average rainfall, but lacked the usual warmer temperatures, while August finally levelled things out. But the July 5th, 1985 hail storm severely damaged all crops on campus. Tomato plants with rows running north and south were completely stripped of foliage and flowers. The fruit, many 5-7 cm. in size, got punctured and some chopped to relish. Other vegetable crops had to struggle as well in order to overcome this set back.

The reader, therefore, should take this into consideration when interpreting this year's report, as yields overall did suffer substantially.

Harvesting generally was hindered also by the almost daily rainfall during the first half of September.

Tomatoes

This year a total of 473 cultivars, strains and breeding lines of tomatoes were grown on R.C.A.T. campus and in off-station trials. These were submitted for trial by seed companies and experiment stations. The seedlings were grown in our greenhouses and field set on May 13, 1985 with a planting distance of 1.5m x 0.6m for freshmarket and 1.5m x 0.3m for machine trials. The plants for the large off-station plots were commercially grown and field planted May 22, 1985.

The trials reported first were planted at the Ridgetown College on Brookston clay or clay loam. Other tests and demonstrations were grown on Berrien sandy loam in Raleigh Twp., and Brookston clay in Tilbury Twp.

In coordinated trials, 10 advanced and 8 observational cvs. together with 21 freshmarket cvs. were tested throughout Ontario under the coordination of Jack Metcalf, Agriculture Canada, Smithfield Experimental Farm, Trenton, Ontario. Only the Ridgetown results are reported here.

The difficulties in this year's growing season were discussed in the previous chapter.

During plant raising locally and with southern plants as well, all precautions within reason were taken to obtain healthy transplants for field setting. A "normal" incidence of bacterial speck was encountered, but due to relatively dry growing conditions in June and July the spread of the pathogen was not favoured. However, septoria and anthracnose remain diseases to be dealt with as they seriously affect the plant development and do influence yields. A screening and breeding programme for disease resistance is jointly being undertaken at H.E.S., Simcoe and R.C.A.T., Ridgetown.

Records of plant and fruit characteristics were taken in August and September. Yields were recorded on all advanced trials and from the observational plots in the coordinated trials. Twenty typical fruit from each of 2 replicates were selected, weighed, cut open and evaluated. Data were dictated without knowledge of identity. The data given in these tables represent the average of 4 advanced replications and 2 observational. A cultivar rating lower than 3.0 is considered discarded, if not already designated with a "D". The "R" stands for retain, nor recommend! Fruit weights may be somewhat higher when compared with other institutions. This is likely due to the loss of the first 2-3 fruit clusters due to the July 5th hail, resulting in larger fruit for the balance of the season.

Records for several years need to be compared before a true picture of any line can be obtained, however, indications of certain characteristics for specific purposes can usually be detected in any one season in most cultivars. Selections processed in labs were superior in most criteria when compared to commercial brands obtained in a grocery store, but often did not meet our horticultural standards. The search for the "ideal" tomato still continues.

Special Comments - The relative "newcomers" Ohio 7814, 8243 and 8245 not only compared well with the checks but were much superior in most quality aspects for wholepack varieties. Grower trials proved that Ohio 8243 is unsuited for heavier soils, but results in excellent quality fruit on sandy, lighter soils. Ohio 832, a jointed cv., will be looked at again in 1986 for product as it contains many promising features. PU812 and Ohio 7814 tend to exhibit unacceptable levels of blotch, yellow top and blossom-end rot when grown on lighter soils combined with a small fruit size. Grown on clay soils, even under stress, these limiting factors were not present. 1986 trials should give the industry a much clearer picture on these specific cultivars.

#### Peppers

In coordinated field trials ten advanced and fourteen observational lines were tested at the Horticultural Experiment Station, Simcoe, and Ridgetown College of Agricultural Technology. Only the results from Ridgetown will be reported here.

In addition, 96 cultivars of variable shapes and types, submitted for trial by seed companies and public breeders, were screened for yield ability and adaptability to Southwestern Ontario climate and use in the processing industry.

R.C.A.T. is also searching for sturdier, less brittle, more upright plants with no fruit set in the lower 15 cm. to reduce harvest loss with once-over harvest techniques.

Seventy-seven selections in the  $F_5$  to  $F_6$  stage were reselected for stabilization and re-evaluation. A total of 18 breeding lines in the  $F_3$  and  $F_4$  stage were reselected from larger populations. No detail of these trials will be reported here. Seed was increased from the 27 most promising selections in isolated plots.

Seed was planted in the greenhouses during the last week of March, 1985 into cell trays of seventy-two 1 3/4 inch multi-pot cubicles filled with "Skipper's Mix" and field set on May 25 with a "Holland" transplanter. The plant spacing was 0.45m x 1.0m with 12 plants per plot. Advanced trials were replicated 4 times, observational twice.

The July 5 hail set all trials back considerably resulting in very late harvest.

Peppers were considered marketable when they were either mature green or turning colour (also called "rainbow"). All mature green and ripe fruit were harvested on August 19 and September 9th, 1985. Ten typical fruit from each plot were evaluated for fruit characteristics.

#### Cole Crops

Early crops of self-blanching cauliflower, cabbage, and broccoli were field set from greenhouse transplants on April 30. Several early cauliflower cvs. resulted in crop failures (bolting and buttoning) due to stress conditions. Early cabbage, broccoli and red cabbage grew abundant crops and produced significant data.

#### Red Beets

Fourteen replicated advanced cvs. were field seeded into sandy loam soil on campus May 2. Derivatives of Detroit Dark Red are still showing strongly. Due to extreme droughty conditions, poor germination resulted in scattered stands and decreased yields.

#### Muskmelon

A total of 43 different cvs. were screened for adaptability to S.W. Ontario when planted on black plastic mulch on June 19/85 using 3 week old cell plants. Severe hail damage set them back considerably, but total yields eventually were quite comparable with commercial results. A considerable number of Japanese entries were green-fleshed, customer acceptance in general, appeared doubtful at this stage. The flavour is not that of a muskmelon, but rather of a honey-dew type with added super sweet genes.

Leeks

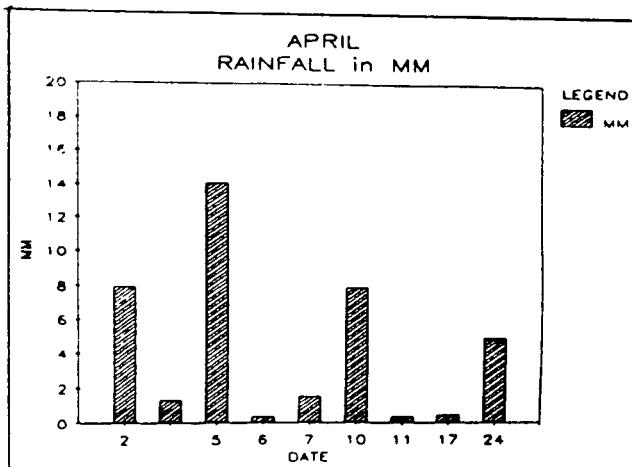
For the second year now ten advanced together with 14 observational cvs. were sown in flats on April 16 to be field set into 20 cm. deep trenches on June 6/85 in Fox sandy loam at 1.0 x 0.2m spacing. Many entries were promising also when left to overwinter during 1984/85 with only a light straw ground cover.

Acknowledgements

These reports were made possible through the technical assistance of Beth Gillier Eagen, Richard Wright, and summer staff Lori Scott and Karen Smith. Their ability to supervise the numerous field trials accurately and timely record the various criteria with the desired precision is herewith gratefully acknowledge.

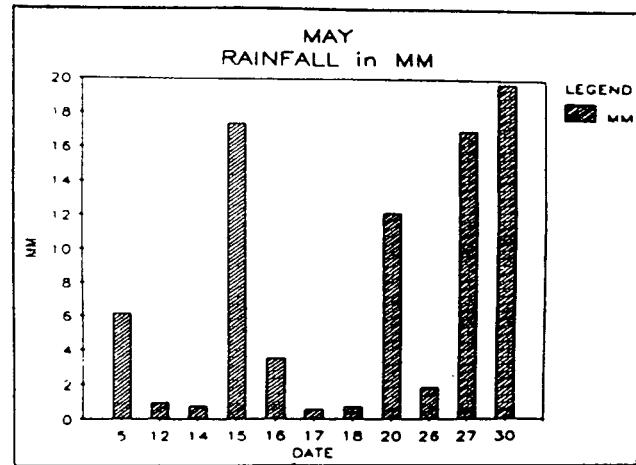


J.K. Muehmer  
Processing Vegetable Crops  
Horticulture & Biology Section  
R.C.A.T.



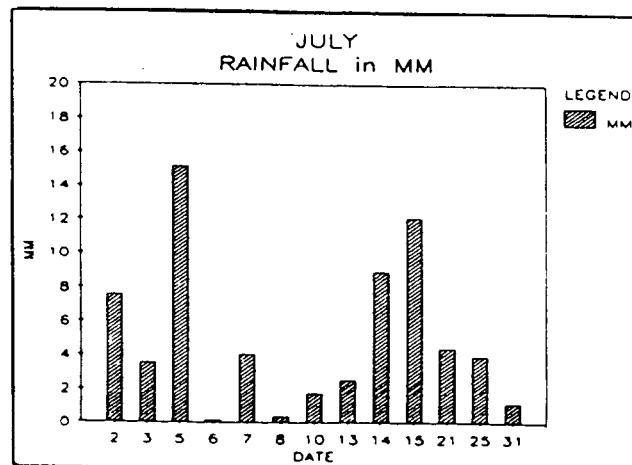
Total Rainfall: 39.5mm

Mean Maximum:  $15.5^{\circ}\text{C}$   
Minimum:  $4.5^{\circ}\text{C}$   
Mean  $10.0^{\circ}\text{C}$



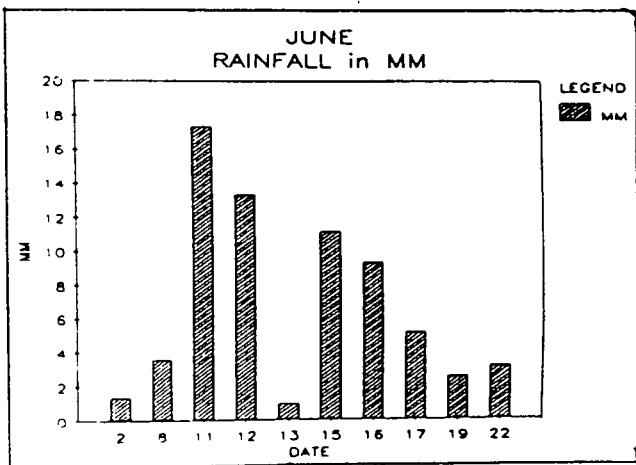
Total Rainfall: 81.3mm

Mean Maximum:  $21.0^{\circ}\text{C}$   
Minimum:  $15.0^{\circ}\text{C}$   
Mean  $15.5^{\circ}\text{C}$



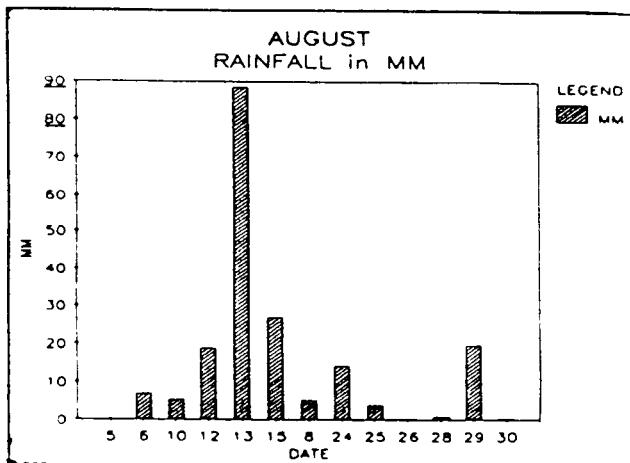
Total Rainfall: 68.4mm

Mean Maximum:  $22.5^{\circ}\text{C}$   
Minimum:  $12.0^{\circ}\text{C}$   
Mean  $17.0^{\circ}\text{C}$



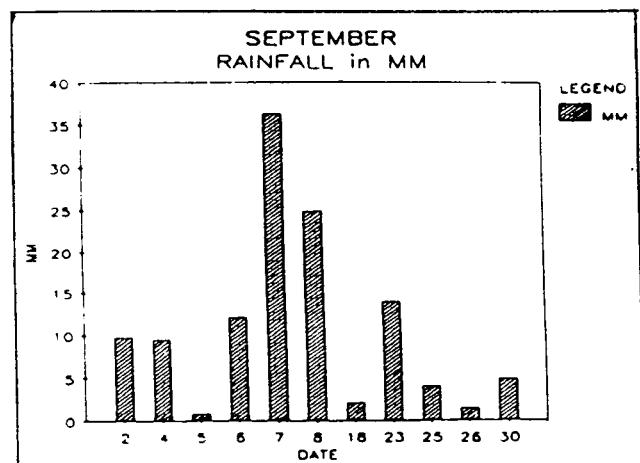
Total Rainfall: 60.0mm

Mean Maximum:  $26.0^{\circ}\text{C}$   
Minimum:  $16.5^{\circ}\text{C}$   
Mean  $21.5^{\circ}\text{C}$



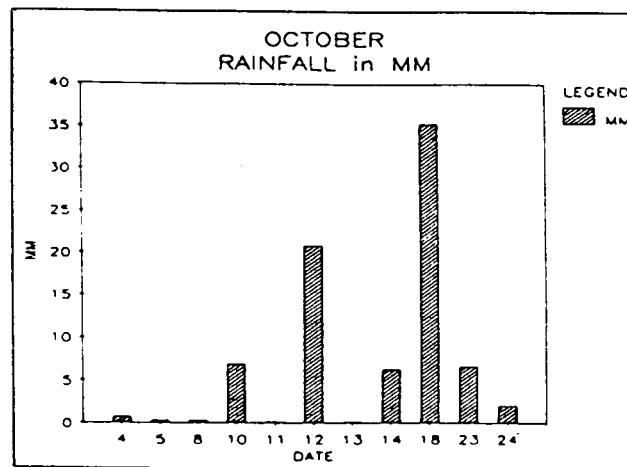
Total Rainfall: 192.3mm

Mean Maximum: 25.0°C  
Minimum: 15.5°C  
Mean 20.0°



Total Rainfall: 121.2mm

Mean Maximum: 23.0°C  
Minimum: 14.0°C  
Mean 18.5°C



Total Rainfall: 33.2mm

Mean Maximum: 16.0°C  
Minimum: 7.5°C  
Mean 12.0°C

1985 SEED SOURCES

1. Abbott & Cobb, Box 307, Feasterville, PA USA 19047
2. A.D.I. Inc., Box 643, Carmel, IN USA 46032
3. Agrigenetics Inc., 9531 W. 78th St., Eden Prairie, MN USA 55344
4. Agway Seed Division, Box 4741, Syracuse, NY USA 13221
5. Arco Seed Co., Box 181, El Centro, CA USA 92244
6. Asgrow Seed Co., Hort. Dept., The UpJohn Co., Kalamazoo, MI USA 49001
7. Ball Seed, Box 355, W. Chicago, IL USA 60185
8. Ball Superior Ltd., 1155 Birchview Dr., Mississauga, Ont. L5H 3E1
9. Bejo Zaden, Box 9, Noordscharwoude, Holland
10. BHN Research, 810 Oaks Blvd., Naples, FL USA 33999
11. W. Atlee Burpee, 300 Park Ave., Warminster, PA USA 18974
12. Campbell Soup Co. Ltd., Napoleon, OH USA
13. A.L. Castle Inc., Box 877, Morgan Hill, CA USA 95037
14. Alf Christianson Seed, Box 98, Mt. Vernon, WA USA 98273
15. Dept. of Hort., Michigan State U., E. Lansing, MI USA 48823
16. Dept. of Hort., N. Mexico State U., Alcade, NM USA 87511
17. " " " , O.A.R.D.C., Wooster, OH USA 44691
18. " " " , Purdue U., E. Lafayette, IN USA 47907
19. " " " , S. Dakota State U., Brookings, SD USA 57007
20. Dominion Seed House, Georgetown, Ont. L7G 4A2
21. Ferry Morse Seed Co., Box 8, San Juan Bautista, CA USA 95405
22. Florida Foundation Seed Producers, Box 309, Greenwood, FL USA 32446
23. H.German Seeds Inc., Box 398, Smethprot, PA USA 16749-9990
24. Goldsmith Seeds Inc., Box 1349, Gilroy, CA USA 95020
25. Harris-Moran Inc., 3670 Buffalo Rd., Rochester, NY USA 14624
26. H.J.Heinz co. Ltd., 13737 Middleton Pike, Bowling Green, OH USA 43402
27. Horticultural Enterprises, Box 810082, Dallas, TX USA 75381-0082
28. Horticultural Exp. Stn., Box 587, Simcoe, Ont. N3Y 4N5
29. Hunt Wesson Foods Inc., Box 400, Tilbury, Ont.
30. Island Seed Co. Ltd., Box 4278, Stn. A, Victoria, B.C.
31. Johnny's Select Seed, Box 701, Albion, Maine USA 04910
32. Moran Seeds Inc., 1155 Harkins Rd., Salinas, CA USA 93901
33. Mos Zaden, Box 54, 2690 AB's, Gravenzande, Holland
34. Nickerson IPB, Box 1787, Gilroy, CA USA 95020
35. Northrup King Ltd., Box 1827, Gilroy, CA USA 95020
36. Nunhems Zaden, Box 4005, 6080 AA, Haelen, Holland
37. Ohlsens Enke, DK 2630 NY Munkegaard, Copenhagen-Taastrup, Denmark
38. L.L. Olds Seed Co., Box 7790, Madison, WI USA 53791
39. Ontario Seeds, Box 144, Waterloo, Ont. N2G 3Z9
40. G. Park Seed Co., Box 31, Greenwood, SC USA 29647
41. Petoseed Co. Box 4206, Staticoy, CA USA 93003
42. Reeds Seeds
43. R.C.A.T., Ridgetown, Ont. NOP 2C0
44. Royal Sluis Inc., 1293 Harkins Rd., Salinas, CA USA 93901
45. T. Sakata & Co., 2 Kiribatake Kanagawa-ku, Yokohama, Japan 220-91
46. Seigers Seed Co., 7245 Imlay City Rd., Imlay City, MI USA 48444
47. Charles Sharpe & Co. Ltd., Sleaford, Lincs, England NG347HA
48. Sluis & Groot of America, 124-A Griffin St., Salinas, CA USA
49. Smithfield Exp. Farm, Box 340, Trenton, Ont.
50. Sperling & Co., Box 2640, D 2120 Lueneberg, Germany
51. Stokes Seeds Ltd., Box 10, St. Catharines, Ont. L2R 6R6
52. Takii Co. Ltd., Box 7, Kyoto, Central Japan
53. Ottis Twilley Co., Box 65, Trevose, PA USA 19047
54. U.S.D.A., Agr. Res. Centre, Beltsville, MD USA 20705
55. U. of Maryland, Dept. of Hort., College Park, MD USA 20742
56. VandenBerg B.V., Box 4, 2665 ZG, Bleiswijk, Holland
57. Rijk Zwaan, Delier, Box 40, Burgemeester Crezeelen 40, Holland

1985 MACHINE HARVEST 1/2 ACRE PLOTS  
L. Harwood Farms, Chatham, Ont.

larger this

6

CULTIVAR	V i n p e e a d	S c o v e r	F i r m n e s s	S h a t t e r	C o r e	S t r u c t u r e	I n C t. o l l o w	Y e T l o p o w	B l o t c h	S i z e	Y i e l d  t/ha	R a t i n g	REMARKS
✓ Ohio 7814	3.0	3.5	4.5	4.0	5.0	4.0	4.0	4.3	4.0	70	57.4	4.3	WP, some invert BE
✓ Ohio 832	3.0	3.5	4.0	3.8	3.5	4.3	3.5	3.8	3.5	90	60.5	3.5	WP?, P
✓ Ohio 8243	3.0	4.0	3.5	5.0	3.8	3.8	3.5	3.8	3.5	70	72.1	3.8	WP
✓ FM 6203	2.8	3.3	3.3	4.0	3.5	4.0	3.0	3.3	3.3	80	60.9	3.3	P, puffy, thick wall
✓ Ohio 8245	3.0	3.5	3.5	4.5	3.5	3.8	3.8	3.0	3.5	85	60.9	3.0	WP, not on sandy soils 2nd growth fruit size?
✓ PU 812	4.0	4.0	3.8	4.0	3.5	3.8	3.0	4.0	3.8	65	48.8	3.5	

All were southern transplants, received from Olinda Farms

Transplanted: May 22  
Harvested: September 27

**1985 ADVANCED CO-ORDINATED PROCESSING TOMATO TRIAL**  
R.C.A.T., Ridgetown, Ont.

CULTIVAR	S e e d o u n r r e e c e	PLANT		FRUIT CHARACTERISTICS										Y i e l d t/ha	R a t i n g	REMARKS
	V S o i p r e e d	F C o o r v e r	F i r n e m e s	C r a n e s s	S t e m c r e s	C o r e c a r	S t r u c t. .	I C n o t. l	Y e e l o o w	B l o t o p	S i z e t h (g)					
H 2653	26	4.0	3.3	4.0	3.5	3.8	3.8	3.5	3.3	3.5	3.3	100	37.77	3.5	D, rough	
Ohio 832	17	3.5	3.3	3.8	4.5	3.5	3.3	4.0	3.8	3.8	3.5	140	52.36	3.8	R	
PU 812	18	4.0	3.5	5.0	5.0	4.0	3.5	3.8	3.5	4.0	4.0	90	52.98	4.0	R	
FM 9208	21	3.5	3.3	4.0	4.0	3.0	3.3	4.3	3.5	3.3	3.3	120	36.62	3.3	D (Peelmech)	
Ohio 8243	17	3.3	4.0	4.0	5.0	4.0	3.5	3.8	3.5	4.0	4.0	80	59.75	3.8	R	
Ohio 8245	17	3.5	3.5	4.0	5.0	3.8	3.3	3.5	3.5	3.8	3.5	100	54.01	3.5	D, fenceposting	
Ohio 7814	17	3.5	4.0	4.0	5.0	3.8	3.5	4.0	3.5	3.8	3.8	80	54.68	3.8	R	
Ohio 7983	17	3.5	3.8	4.0	5.0	3.8	3.5	4.0	3.8	4.0	4.0	80	56.56	4.0	R, hollow core	
H 722	26	3.3	3.5	5.0	5.0	4.0	3.8	3.8	3.5	3.5	3.5	100	49.24	3.5	R	
FM 6203	21	3.5	3.5	4.0	5.0	3.3	4.0	3.8	3.5	3.3	3.8	110	39.74	3.5	D, puffy, internal r.t.	

Seeded: April 2

Transplanted: May 13

Harvested: Sept. 16

**1985 PRIMARY CO-ORDINATED PROCESSING TOMATO TRIAL**  
R.C.A.T., Ridgetown, Ont.

CULTIVAR	S e e d o u n r r e e c e	PLANT		FRUIT CHARACTERISTICS										Y i e l d t/ha	R a t i n g	REMARKS
	V S o i p r e e d	F C o o r v e r	F i r n e m e s	C r a n e s s	S t e m c r e s	C o r e c a r	S t r u c t. .	I C n o t. l	Y e e l o o w	B l o t o p	S i z e t h (g)					
ST 129	49	4.0	3.5	3.5	5.0	4.0	4.0	3.8	4.0	4.0	4.0	80	40.4	3.8	R, too soft?, WP	
Ont. 4240	28	4.5	3.5	3.8	5.0	4.5	3.5	3.5	3.8	4.0	3.8	80	36.9	3.5	D, doesn't hold, WP	
Ohio 8297	17	3.3	3.0	4.0	5.0	3.0	3.8	3.5	3.8	4.0	3.8	100	48.8	3.8	R	
Easy Winner	12	3.0	2.8	4.0	5.0	3.5	3.5	3.5	4.0	4.0	4.5	120	39.3	3.5	HARD TO PICK	
H 2653	26	4.0	3.0	4.0	4.0	3.8	3.5	3.3	3.5	3.3	3.0	100	37.2	3.3	D, dry pulp, WP	
ST 127	49	4.0	3.0	3.3	3.8	3.8	3.3	3.3	3.5	3.5	3.8	100	30.6	3.3	D, too soft	
ST 112	49	3.8	2.0	3.5	5.0	3.8	4.0	4.0	3.8	3.8	3.5	120	45.2	3.5	R, juice/P	
Ohio 8431	17	4.5	3.5	4.0	4.0	4.0	3.5	4.0	3.5	3.3	3.0	120	47.3	3.3	D, hollow core, WP	
F 83738	21	3.5	3.0	4.5	5.0	3.5	3.5	4.0	3.5	4.0	3.8	100	66.5	4.0	R, P	
H 2653	26	3.5	3.8	5.0	5.0	4.0	3.5	3.8	3.5	3.3	3.0	80	49.3	3.5	D, P/WP	
FM 6203	29	3.5	3.5	3.8	5.0	3.5	3.8	4.0	3.0	4.0	3.0	120	44.1	3.5	D, P	

Seeded: April 2

Transplanted: May 13

Harvested: Sept. 16

**1985 SCREENING PROCESSING TOMATO TRIAL**  
**R.C.A.T., Ridgetown, Ont.**  
(cultivars with possibilities)

CULTIVAR	S So eu er dc en	S Se eu er so n	PLANT		FRUIT CHARACTERISTICS										U t i l i z. z.	R at ti ng	REMARKS
			V i o r n e e	C o v e r e	F i r n e m e	C r a c k s s	S t e m c a r s	C o r e c t. s	S t r u c t.	I C t. l 1 r w	C o l o u o r w	Y e T l o p t h (g)	B l o o p t c h	S i z e z. z.			
Code 612	29	v e	4.0	3.3	3.5	5.0	4.0	3.8	3.5	4.0	3.5	3.5	3.5	80		3.8	some fenceposting, 2 loc.
Code 106	29	e	3.5	3.5	5.0	5.0	3.5	3.5	3.5	3.5	3.8	4.0	130	wp	3.8		
Cannery Row	21	e	3.5	3.5	5.0	5.0	4.0	4.0	3.5	3.8	3.8	3.5	80	wp	3.8		
AVX 5131	3	m	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.0	4.0	4.0	100		3.5		
Bellstar	51	m	4.0	3.5	3.8	4.0	3.3	4.0	3.8	4.0	4.0	4.5	160		3.8		
Ohio 8136	17	m	3.8	3.5	4.3	4.0	3.5	4.0	4.0	4.0	4.0	4.0	100	wp	4.0		
<del>Ohio 7082</del>	17	m	3.5	3.5	4.0	4.0	4.0	3.8	4.5	4.5	4.0	4.0	120		3.8		
<del>Ohio 8245</del>	17	m	3.5	3.5	4.5	5.0	4.0	4.0	3.5	4.0	3.3	4.5	120	wp	4.0	invert BE	
Diego	25	m	3.5	3.5	4.0	3.8	3.8	4.0	3.5	4.3	4.0	4.0	120	p	4.0	red jelly	
Del Oro	25	m	3.8	3.3	3.5	4.0	3.8	3.8	4.0	3.5	3.8	3.8	120		3.5		
Code 614	29	m	3.8	3.5	4.5	5.0	3.8	4.0	3.8	3.8	4.0	3.5	100		4.0	tough skin, red jelly	
FM 91304	21	m	3.8	3.5	5.0	4.0	4.0	3.8	3.8	3.8	4.0	4.0	120	wp	4.0	deep core	
US 68	13	m	3.5	3.8	4.0	5.0	4.0	3.5	3.5	3.5	4.0	4.0	80	p	3.8		
AVX 6000	3	m	3.8	3.5	4.0	5.0	4.0	3.5	3.5	3.5	3.8	3.5	120		3.8	some BER	
AVX 5715	3	m	3.8	3.8	4.0	5.0	4.0	3.5	3.5	3.5	3.8	3.5	100		3.8		

Seeded: April 2  
Transplanted: May 13

**1985 SCREENING PROCESSING TOMATO TRIAL -2**  
R.C.A.T., Ridgetown, Ont.  
(cultivars with possibilities)

CULTIVAR	S So eu er dc en	S Se eu er so n	PLANT		FRUIT CHARACTERISTICS										U t i l i z. z.	R at ti ng	REMARKS
			V i o r n e e	C o v e r e	F i r n e m e	C r a c k s s	S t e m c a r s	C o r e c t. s	S t r u c t.	I C t. l 1 r w	C o l o u o r w	Y e T l o p t h (g)	B l o o p t c h	S i z e z. z.			
Peto 98	41	m	4.0	3.5	4.0	4.3	4.0	3.5	3.8	3.5	3.8	3.5	80	p	3.8	shatters, invert BE	
Peto 95-43	41	m	4.0	3.5	4.0	3.8	3.8	3.8	3.8	4.0	3.5	3.5	100	p	4.0		
Nema 1201	41	m	3.5	3.5	3.8	4.0	3.5	3.3	4.0	3.5	3.5	3.8	140		3.5		
GS 4491	35	m	3.3	3.3	5.0	5.0	3.5	3.3	4.0	3.5	4.0	4.0	120	p	3.8		
<del>Ohio 8297</del>	17	l	3.5	3.8	4.3	5.0	3.8	3.5	4.0	3.5	4.0	4.0	120	p	3.8		
MD 160	55	1	3.3	4.5	3.8	5.0	4.5	3.5	3.5	3.5	4.0	4.0	80		3.8		
MD 163	55	1	3.8	3.5	3.8	5.0	3.3	3.5	3.5	4.0	3.5	4.0	120		3.5		
83 B 12	54	1	3.0	4.0	4.5	5.0	4.0	3.5	3.8	3.5	4.0	4.0	100		3.8	invert BE	
83 B 11	54	1	3.3	3.5	4.0	3.8	3.8	4.0	3.8	3.5	4.0	4.0	100		3.5	hollow core	
Peto 86	41	1	3.8	3.8	4.5	5.0	3.8	3.5	3.5	3.5	3.5	3.5	100		3.8		

1985 SCREENING PROCESSING TOMATO TRIAL  
 R.C.A.T., Ridgeway, Ont.  
 (entries unsuited in 1985)

CULTIVAR	Seed Source	Season	Genes	Shape	Size (g)	Account of Unsuitability
Sprinter	41	ve	u+ sp j+	round	120	sev. YT, soft, multilocule
FM 60437	21	ee	u sp j+	egg(nipple)	100	sev. cracks
H 9038	26	ee	u sp j+	round	120	low set
Elsa	44	m	u sp j+	pear	100	fenceposting, v. soft, ROMA
Arno	44	m	u sp j+	pear	80	sev. HL, shatters
Peelmech	21	m	u sp j+	blocky	120	puffy, invert BE, YT
AVX 6002	3	m	u+ sp j+	blocky	100	blotch, YT
PSX 13189	41	m	u+ sp j+	heart	100	sev. YT & blotch, flops
Nema 1401	41	m	u sp j+	oblong	100	blotch, puffy
Earlypear	41	m	u sp j+	egg(nipple)	100	HL, blotch
GS 31	23	1	u sp j+	invert. egg	120	sev. YT & blotch
Springset	25	1	u sp j+	round	120	cracks, soft, calyx sticks
FM 83745	21	1	u sp j	blocky	120	sev. blotch, HL
TM 6203	13	1	u sp j+	blocky	120	invert BE, soft
GSV 1131	35	1	u sp j+	heart	140	YT & blotch
Santa Cruz Kada	25	v1	u+ sp+ j+	round	120	invert BE, fenceposting
83 B 17	54	v1	u sp j	pted. plum	160	sev. blotch

1985 NORTHERN TOMATO EXCHANGE PROGRAMME  
 R.C.A.T., Ridgeway, Ont.

CULTIVAR	S Se eu a ers dc on en	S Se eu a ers dc on en	FRUIT CHARACTERISTICS												U t i l i n g	R a t e r i n g	REMARKS
			V	C	F	C	S	C	S	I	C	Y	B	S	i	t	r
MD 163	55	m	3.5	3.3	4.0	5.0	3.8	4.0	4.5	3.3	3.8	3.3	140		3.3	D, rough	
MD 164	28	m	4.0	3.5	3.5	5.0	4.0	3.5	3.5	3.5	3.5	3.5	80		3.5	R	
ST-72	49	m	3.3	3.5	4.5	5.0	4.0	4.0	3.5	3.8	4.0	3.5	100		3.5	R	
Ohio 8245	17	m	3.0	3.5	4.0	5.0	3.8	3.5	3.8	3.3	3.5	3.8	60		3.5	D, hollow core	
ST 120	49	m	3.8	3.3	3.5	5.0	4.0	4.0	3.8	4.0	3.8	3.3	80		3.5	R	
84 B 170	54	1	3.5	3.5	4.5	5.0	3.8	3.3	4.0	3.8	3.3	3.5	100		3.5	D, low set	
C 37	13	1	3.5	3.8	5.0	4.0	3.5	3.3	3.8	2.0	3.5	3.5	120		3.3	D, puffy	
MD 160	55	1	3.0	3.8	4.0	5.0	4.5	3.3	3.8	2.5	3.8	3.5	100		3.3	D, invert BE	
83 B 2	54	1	3.3	3.8	4.0	5.0	3.8	3.5	4.0	3.8	3.5	3.5	100		3.5	R	
ST 172	49	v1	3.5	2.0	3.5				4.0	3.5	3.8	3.3	80		3.0	D, too late	

Seeded: April 10

Transplanted: May 14

Ohio 8245 and ST 87 lacked enough surviving plants to merit rating.

TM

1985 ADVANCED FRESH MARKET TOMATO TRIAL  
R.C.A.T., Ridgetown, Ont.

CULTIVAR	S e e d d o u r c e	S e a s o n	PLANT		FRUIT CHARACTERISTICS										Yield (g)	Rating	REMARKS
			V i n e r e s s	C o v e r m e s s	F i r n e m e s s	C r a s c s	B l o s s	C o s c s	S t r e c t.	I n t. o u r	C e l o o p	B l o t c h	S i z e				
															t/ha		
TH 318	26	E	3.3	2.0	3.5	4.0	3.8	2.8	4.0	3.0	3.3	3.5	150	30.1	3.3	D, low set	
Pik Red	25	E	3.0	3.3	4.0	4.0	3.5	3.0	4.5	4.0	4.0	3.8	250	36.1	3.8	R	
Carmen	41	M	3.0	3.0	3.8	4.0	3.8	3.5	4.5	3.5	3.8	3.8	180	46.9	3.8	R, woody centre?	
Cavalier	41	M	2.5	3.5	4.0	4.0	3.5	3.3	4.5	3.5	4.0	4.0	240	41.9	4.0	R	
Jackpot	21	M	2.5	3.0	4.0	3.8	4.0	3.3	4.5	3.8	4.0	4.0	210	39.9	3.8	R, deep fruit, thick wall	
Florida 1C	22	M	3.0	4.0	3.8	4.0	4.0	3.8	4.0	3.5	3.8	4.0	220	41.6	3.8	R, thick wall	
Stokes Pak	51	M	3.0	2.8	3.5	3.5	3.5	3.8	4.0	3.8	3.8	3.8	200	38.5	3.8	R, stem sticks	
Baron	1	M	3.8	3.5	3.8	4.0	3.5	3.3	4.3	3.3	4.0	3.5	240	46.9	3.5	D, catfacing	
Freedom	53	M	3.5	3.8	3.8	4.0	3.5	3.0	5.0	3.5	4.0	4.0	250	50.4	4.0	R	
Fresh Pak	25	M	3.5	3.5	4.0	3.5	3.5	3.0	4.5	3.5	3.8	3.8	180	34.0	3.5	D, catfacing	
Firechief	25	L	2.8	3.5	4.0	4.0	3.5	3.0	4.5	3.5	4.0	4.0	175	33.5	3.5	D, BER, rough	

Seeded: April 2

Transplanted: May 14

Harvested: Aug. 8, 19, Sept. 9

1985 OBSERVATION FRESH MARKET TOMATO TRIAL  
R.C.A.T., Ridgetown, Ont.

CULTIVAR	S e e d d o u r c e	S e a s o n	PLANT		FRUIT CHARACTERISTICS										Yield (g)	Rating	REMARKS
			V i n e r e s s	C o v e r m e s s	F i r n e m e s s	C r a s c s	B l o s s	C o s c s	S t r e c t.	I n t. o u r	C e l o o p	B l o t c h	S i z e				
															t/ha		
Early Set	25	M	2.0	2.5	4.0	3.8	4.0	3.5	5.0	3.0	4.0	4.0	200		3.5	D	
Celebrity	1	M	2.5	3.0	4.5	4.0	5.0	2.5	5.0	3.5	3.8	3.8	300		4.0	R, shallow core	
Red Express	4	M	3.5	3.0	4.5	4.0	4.0	2.5	5.0	3.5	3.0	3.5	200		2.5	D, v. low set	
Star Pak	25	M	3.0	3.0	4.0	3.5	4.5	3.0	5.0	4.0	4.5	4.0	180		3.8	R	
Liberty	1	L	5.0	5.0	4.5	4.5	4.5	4.0	4.5	3.5	4.5	4.5	200		4.5	R, hard to pick?	
Super Red	4	L	2.0	3.5	4.0	4.0	4.0	4.0	5.0	2.8	4.0	4.0	250		3.5	D	
HXP 2807	25	L	4.5	4.0	5.0	5.0	5.0	3.0	5.0	3.5	4.0	4.0	230		4.0	R, attractive	
Florida 1A	22	L	4.5	3.5	4.0	5.0	4.0	3.0	5.0	4.0	4.0	4.0	250		3.8	R, smooth	
Florida 1B	22	L	4.0	3.3	4.5	4.0	3.8	2.0	5.0	4.0	3.5	3.3	220		3.3	D	
Hyb. 724	6	L	4.0	3.3	4.0	3.8	4.5	2.5	4.0	3.5	3.3	3.5	180		3.3	D	

Seeded: April 2

Transplanted: May 14

1985 SCREENING FRESH MARKET TOMATO TRIAL  
R.C.A.T., Ridgetown, Ont.  
(promising in 1985)

CULTIVAR	S e e s e s a d o u r c e	S e e s e s a d o u r c e	PLANT		FRUIT CHARACTERISTICS									R a t i n g	REMARKS
			V i n e	C o v e r	F r i e r	C r a m e	C o r e s	S t r e c k	I t n o r t. l	C o o t l e	Y o o p	T o o t h	B l o o t c h	S i z e (g)	
Red Express	4	e	4.5	4.0	4.0	4.0	2.0	5.0	3.5	3.5	3.8	250	3.5		
Early Salad	20	e	5.0	3.5	4.0	4.5	4.0	3.5	3.0	4.0	4.0	40	5.0		
84-135	15	e	3.5	3.5	4.0	4.3	3.0	4.5	3.5	3.8	4.0	260	3.5		
BHN 39	10	e	3.5	3.5	4.0	4.3	3.0	4.5	3.5	3.8	3.8	260	3.5		
Castlehy 1029	13	e	3.5	4.5	4.0	4.0	3.0	4.5	4.0	3.5	4.0	230	3.5		
84-112	15	m	3.5	4.0	3.5	4.5	3.0	4.0	4.0	3.5	3.8	115	3.5		
Advantage	25	m	3.5	3.5	4.3	4.5	4.3	4.0	4.0	4.0	4.5	180	3.5		
Burton	5	m	3.0	3.8	4.0	3.8	3.8	5.0	4.5	3.5	3.5	260	3.5		
BHN 38	10	m	3.8	4.0	4.0	4.0	3.5	4.0	3.5	3.8	3.8	300	3.8		
BHN 42	10	m	4.0	4.0	4.5	4.0	3.5	3.8	3.5	3.5	4.0	180	4.0		
Castlehy 105	13	m	3.0	4.5	3.8	4.0	3.0	4.5	3.8	3.8	4.0	180	4.0	shallow core	
Castlehy 1054	13	m	3.5	3.8	3.8	4.5	3.0	5.0	3.5	4.0	5.0	200	3.8		
Starshot	51	m	2.5	3.0	3.8	3.5	3.0	5.0	3.0	3.5	3.5	160	3.5		
Lemon Boy	20	m	2.0	3.5	3.0	3.8	4.0	4.5	4.0	4.0	4.0	80	3.5	yellow, SPECIALTY	
84-111	15	1	3.0	3.5	3.8	4.0	3.0	4.5	4.0	3.0	3.5	260	3.5		

Seeded: April 4

Transplanted: May 14

1985 SCREENING FRESH MARKET TOMATO TRIAL -2  
R.C.A.T., Ridgetown, Ont.  
(promising in 1985)

1985 SCREENING FRESH MARKET TOMATO TRIAL  
R.C.A.T., Ridgetown, Ont.  
(entries unsuited in 1985)

FM

CULTIVAR	Seed Source	Season	Genes	Shape	Size (g)	Account of Unsuitability
Pixie Hyb.	20	ve	u+ sp j+ d c	round	80	YT
Better Bush VFN	40	e	u sp j d c	oblate	250	core, cracks, HG
Heartland	7	e	u+ sp+ j+ d c	oblate	210	core
Springset VF	20	e	u sp j+	round	120	core, rough
The Juice	20	e	u sp j+	round	180	core, rough, soft
Taylor Revolution	5	e	u+ sp j+	round	250	YT, no set
Chunky	1	e	u+ sp+ j	heart	170	YT, blotch, core
Salt Spring	2	e	u sp j+	oblong	120	too firm
BHN 58	30	e	u+ sp j+	oblate	180	core, colour
	10	e	u+ sp j+	oblate	200	sev. YT, blotch
Sundrop	11	m	u+ sp+ j+	heart	80	flavour 2.0, poor plant
Earliest & Best	20	m	u+ sp+ j+	oblong	180	YT, core
Early Cascade	20	m	u+ sp+ j+	oblong	100	YT, poor int. colour
Sweet Cherry	23	m	u+ sp+ j+	oblong	40	sev. cracks, poor colour
84-101	15	m	u sp j+	oblong	200	spready core, rough

Seeded: April 4

Transplanted: May 14

1985 SCREENING FRESH MARKET TOMATO TRIAL - 2  
R.C.A.T., Ridgetown, Ont.  
(entries unsuited in 1985)

FM

CULTIVAR	Seed Source	Season	Genes	Shape	Size (g)	Account of Unsuitability
84-115	15	m	u sp j+	oblate	110	core, rough
84-121	15	m	u sp j+	oblate	225	variable size, YT, core
84-1	15	m	u+ sp j+	round	140	sev. YT & blotch, pinnate leaf
Full House	1	m	u sp j+	round	200	" " " , cracks
Sweetie	39	m	u+ sp+ j+	round	40	poor colour, v. soft, SPECIALTY
Sweet 100	39	m	u+ sp+ j+	round	40	poor colour, v. soft, SPECIALTY
Spring Giant	39	m	u+ sp j+	blocky	160	YT & blotch, soft
<del>Plato</del>	48	m	u+ sp j+	oblate	215	" " " "
E 424	48	m	u+ sp j	blocky	200	" " " , hard to pick
Mystro	3	m	u+ sp j+	plum	120	sev. YT & blotch
Vancouver Island	30	m	u+ sp+ j+	heart	200	soft, core
Summer Sun	30	m	u sp+ j+	blocky	200	low set, cracks, poor core & colour
BHN 4A	10	m	u+ sp j	oblate	240	sev. cracks, YT & blotch
BHN 28	10	m	u sp j+	oblate	250	rough, cracks
BHN 23	10	m	u+ sp j+	oblate	270	sev. YT & blotch
BHN 49	10	m	u+ sp j+	blocky	260	sev. YT & blotch, poor colour
BHN 56	10	m	u+ sp j+	plum	240	" " " "
Cherry Grande	41	m	u+ sp+ j+	round	60	poor colour, flesh & flavour
Park's Whopper VFNT	40	l	u+ sp+ j+	round	200	low set, some YT
Roadside Red	4	l	u+ sp+ j+	oblate	280	flops, low set

FM

1985 SCREENING FRESH MARKET TOMATO TRIAL -3  
 R.C.A.T., Ridgetown, Ont.  
 (entries unsuited in 1985)

CULTIVAR	Seed Source	Season	Genes	Shape	Size (g)	Account of Unsuitability
Big Girl	20	1	u+ sp+ j+		260	v. rough, cracks
Superbush	20	1	u sp j+ d c	oblate	220	" " , heavy scars
Pink Girl	23	1	u+ sp+ j+ y	oblate/blocky	240	rough, soft, HG
84-102	15	1	u sp j+		160	" " , shallow core
84-106	15	1	u+ sp j	round	210	YT, blotch, rough, woody
84-4	15	1	u+ sp+ j+	round	210	cracks, poor colour
Shia Kuan	27	1	u+ sp+ j+ hp?	round	140	sev. YT & blotch, woody
Firechief	32	1	u sp j	round/blocky	180	low set, cracks
HXP 2796	25	1	u+ sp j+	oblate	300	" " , some YT & blotch
Sunny	6	1	u+ sp j+	plum/oblate	200	sev. YT & blotch, cracks, low set
Hyb. 898	6	1	u+ sp j+	round	220	sev. YT & blotch, low set
Superior	5	1	u+ sp j+	heart	220	some " "
PSX M36579	41	1	u+ sp j	heart	280	cracks, rough
PSX M72482	41	1	u+ sp j+	blocky	120	sev. YT & blotch
Bonanza	52	1	u+ sp+ j+	blocky	160	" " " " , susc. to speck
Mighty Boy	52	1	u+ sp+ j+ y	oblate	160	sev. YT & blotch, cracks
Res. Pinkie	52	1	u+ sp+ j+ y	oblate	200	" " " " , " " , HG?
ACX 8412	1	1	u+ sp j+	round	180	low set
Independence	1	1	u+ sp j	plum	200	sev. YT & blotch
Atlantic City	21	1	u sp j+	oblate	200	low set, soft

FM

1985 SCREENING FRESH MARKET TOMATO TRIAL -4  
 R.C.A.T., Ridgetown, Ont.  
 (entries unsuited in 1985)

CULTIVAR	Seed Source	Season	Genes	Shape	Size (g)	Account of Unsuitability
Monte Carlo	1	1	u+ sp+ j+	round	240	sev. YT & blotch, cracks
Bonny Best	8	1	u+ sp+ j+	plum	180	YT, rough, low set, soft
Sun Coast	22	1	u sp j+	oblate	280	sev. YT, bleaches
BHN 44	10	1	u+ sp j+	round	175	YT, core
BHN 45	10	1	u sp j+	oblate	260	bleaches, woody
BHN 57	10	1	u+ sp j+	blocky	180	sev. YT & blotch
Castlehy 101	13	1	u+ sp j+	blocky/heart	200	rough, core
Supersteak Hyb.	20	v1	u sp+ j+	oblate	220	rough, core, colour
H 7038	26		u sp j+	oblate	240	sev. cracks, low set
GSV 4479	35	1	u+ sp j	oblate	110	v. rough, blotch, catface
GSV 84-52	35	v1	u+ sp j+	oblate	160	low set

**1985 ADVANCED PROCESSING PEPPER TRIAL**  
R.C.A.T., Ridgetown, Ont.

CULTIVAR	S e e o u r c e	Plant			Fruit Characteristics					Yield t/ha	Rating	REMARKS
		C o v e r t	H a b i t t h m.	U n i f f o r m.	W i d t h (cm)	L e n g t h (cm)	W a T l i c k. (mm)	S i z e (g)	Yield t/ha			
Emerald Giant	25	3.5	3.3	3.8	6.5	7.5	7.0	130	10.37	3.5	D, production?	
Superset	45	3.0	3.0	4.0	8.5	10.0	7.0	150	12.67	3.3	D	
Greenboy	4	3.5	3.0	3.3	8.5	9.5	6.0	200	14.74	3.5	R	
Four Corners	21	3.8	3.8	4.0	7.5	7.5	7.0	125	11.57	4.0	R	
Hybelle	25	4.0	3.5	3.8	7.5	8.5	5.0	130	15.84	3.8	R	
Midway	25	3.8	3.0	4.0	8.0	8.5	7.0	135	14.85	4.0	R	
Lady Bell	25	3.5	3.3	3.5	9.0	10.0	5.0	160	17.3	3.5	R	
Gedeon	48	3.8	3.8	4.0	7.0	10.5	8.0	265	15.14	4.0	R	
Butter Belle	51	3.3	3.0	3.3	6.0	6.0	3.0	100	8.54	3.5	specialty	
MA 79252	44	3.5	3.5	4.0	7.0	9.5	5.0	175	14.14	3.8	R	

Seeded: April 2

Transplanted: May 24

Harvested: Aug. 23, Sept. 11

**1985 OBSERVATION PROCESSING PEPPER TRIAL**  
R.C.A.T., Ridgetown, Ont.

CULTIVAR	S e e o u r c e	Plant			Fruit Characteristics					Yield t/ha	Rating	REMARKS
		C o v e r t	H a b i t t h m.	U n i f f o r m.	W i d t h (cm)	L e n g t h (cm)	W a T l i c k. (mm)	S i z e (g)	Yield t/ha			
Belle Star	21	3.5	3.5	3.0	7.5	8.5	8.0	165	15.18	3.5	D	
Big Belle	21	3.5		3.8	8.5	7.0	5.0	135	15.68	3.5	R	
Greene Belle	1	3.8	3.0	3.3	8.0	9.0	9.0	160	18.25	3.8	R	
Sweet Belle	21	3.0	3.8	4.0	9.0	11.0	8.0	200	15.61	3.8	R	
Cadice	4	2.8	3.0	3.5	8.0	10.5	7.0	200	13.77	3.3	D, low set	
Jupiter	1	3.5	4.5	4.5	10.5	9.0	7.0	225	12.03	3.5	D, low set	
MA 79259	44	3.8	3.5	3.5	9.0	9.5	7.0	230	15.02	3.8	R	
Giant Ace	1	3.3	3.5	3.5	8.0	7.5	6.0	100	14.1	3.5	D	
Better Belle	7	2.8	2.8	3.0	9.0	8.0	6.0	235	14.68	3.5	D	
Bell Tower	48	3.3	4.0	4.0	7.0	11.0	6.0	200	15.59	3.8	R	
Argo	51	3.5	3.5	3.8	9.0	13.5	5.0	260	19.33	4.0	RR	
Ma Belle	51	2.5	2.5	4.0	9.5	8.0	10.0	230	14.43	3.3	D	
Annabelle	25	3.8	3.8	3.8	8.0	11.0	8.0	180	14.26	4.0	R	
Wonder Bell	52	3.3	3.3	4.0	7.5	7.5	4.0	175	11.77	3.0	D	

Seeded: April 2

Transplanted: May 24

Harvested: Aug. 23, Sept. 11

**1985 SCREENING PROCESSING PEPPER TRIAL**  
**R.C.A.T., Ridgetown, Ont.**  
**(Recommended for region in 1985)**

CULTIVAR	S e e o d u r c e	Plant				Fruit Characteristics						REMARKS
		S e e o d u r c e s i z e	C o v e r r	H a b i t	S e t	W a T l i c k. (mm)	W i d t h (cm)	L e n g t h (cm)	F r u i t. H a b i t	W e i g h t (g)		
Capri	33	m1	3.8	3.5	4.0	4.0	9.0	11.5	P	230		
Big Bertha	20	m1	3.8	3.8	4.0	7.0	6.0	12.5	P	170	pated.	
Bell Boy	51	m	4.0	3.5	3.5	7.0	7.5	8.0	UP	120		
Crispy	11	m	3.0	3.3	4.0	7.0	7.0	9.5	P	100		
Burpee's Tasty Hyb.	11	m	3.5	3.3	4.0	5.0	9.5	10.0	UP	205	most 4 lobed	
Tempo	37	m/ml	3.5	3.5	4.5	7.0	7.0	12.5	P	210		
Panta	37	m	3.3	4.0	4.0	6.0	8.5	8.0	P	220		
82-330	15	ms/m	3.0	3.0	4.0	7.0	6.5	10.5	UP	100		
Titan	27	ml/m	3.8	3.0	4.3	6.0	10.5	8.0	P	230		
Florida VR-2	32	m	4.0	4.0	3.8	6.0	7.0	8.0	UP	120		
Iberia	32	m1	4.0	3.5	3.8	4.0	6.5	13.5	P	175		
Key Largo	25	ml/l	3.5	3.5	4.5	6.0	5.5	17.0	P	200	pated., fruit low on plant	
Sharina	6	ml/m	4.0	4.0	4.5	9.0	7.0	9.0	P	175		
XPH 5019	6	m	3.5	3.5	4.3	5.0	7.0	7.0	UP	130		
Rodor	47	ms/m	3.8	3.0	3.8	7.0	8.0	9.0	UP/P	200		
Jolly Rosso	47	m/ms	3.0	3.5	3.8	7.0	9.5	10.5	P	200		
Diablo	47	l/ml	3.8	4.0	3.8	3.0	4.0	18.0	P	100	pated., roumanian, specialty	
Martel	33	u/ms	4.0	3.5	3.8	7.0	10.0	8.0	UP/P	230		
Liberty Bell	1	m	3.5	3.5	3.5	6.0	7.5	10.5	P	200		
MA 79246	44	ms/s	3.0	2.5	3.8	5.0	8.0	9.5	U	200	fruit low on plant	

Seeded: April 4

Transplanted: May 25

Bells unless otherwise stated.

CULTIVAR	S e e o d u r c e	PLANT				FRUIT CHARACTERISTICS						REMARKS
		S e e o d u r c e s i z e	C o v e r r	H a b i t	S e t	W a T l i c k. (mm)	W i d t h (cm)	L e n g t h (cm)	F r u i t. H a b i t	W e i g h t (g)		
Bellamy	48	ms	2.8	3.5	4.0	5.0	7.5	8.0	UP	175		
Portos	48	l/ml	3.5	3.8	4.0	5.0	9.0	9.0	P	260		
P 1000	48	m	3.0	3.0	3.8	5.0	7.5	7.5	UP/P	200		
P 1745	48	ml	4.0	3.5	4.0	6.0	7.5	8.0	P	250	pated. specialty	
Sweet Melrose	46	s/ms	3.0	3.5	4.0	2.0	3.0	15.0	UP	50		
Ace	52	m/ms	2.8	3.0	3.3	5.0	7.5	9.5	P	130		
New Ace	52	s/ms	3.3	4.0	3.5	4.0	7.0	7.5	P	100		
Gloria	52	m	2.8	3.3	4.0	4.0	6.5	10.0	P	130		
Olympic	6	m/ml	4.0	3.5	3.8	5.0	8.5	9.5	P	225		
Yolo Wonder B	41	m/ml	4.0	4.0	4.0	6.0	8.0	8.0	P	175		
Gator Belle	41	m/ml	3.3	3.5	4.0	7.0	8.0	10.0	P	225		
Marengo	6	m	4.3	3.5	4.0	4.0	8.0	10.0	P	175		
Keystone Res.	41	ml	4.0	3.8	3.8	6.0	9.0	8.5	UP	200		
Giant #3												
Early Calwonder	41	m	3.3	2.0	3.8	5.0	7.5	8.5	P/UP	180		
R 8317	43	ms	2.8	2.5	4.0	5.0	7.5	7.5	U/UP	180		
R 8333	43	ms	2.8	3.3	3.5	5.0	7.0	9.0	U	180		
8336	43	m/ml	4.0	4.0	3.8	4.0	5.5	11.0	UP	130	pated.	
8337	43	ms	4.0	3.5	3.5	5.0	7.0	11.0	P/UP	150	pated.	
8339	43	ml	4.0	4.0	3.8	5.0	7.0	10.5	UP	180	late	
8362	43	m	2.8	3.0	4.0	9.0	7.5	7.5	UP	230		

Bells unless otherwise stated.

**1985 SCREENING PROCESSING PEPPER TRIAL**  
(R.C.A.T., Ridgetown, Ont.  
(Recommended for region in 1985)

CULTIVAR	S e e d u r e c e	PLANT			FRUIT CHARACTERISTICS					REMARKS
		S e s i z e r	C o v e r	H. a b i t	S e t	W a T h i c k. (mm)	W i d t h (cm)	L e n g t h (cm)	F r u i t. i t	
R 8390	43	m	3.3	3.5	3.5	5.0	8.0	7.0	UP/P	140
8395	43	ml	3.0	3.8	3.8	7.0	8.0	11.5	P	200
8328	43	m/ms	3.0	3.5	4.0	5.0	7.0	8.5	P	135
8356	43	m/ms	3.0	3.3	3.5	8.0	8.0	9.0	U	130
8357	43	m	2.8	3.0	3.8	4.0	8.0	7.5	UP/P	150
R 83201	43	s	2.8	3.0	4.0	4.0	7.5	8.0	P/UP	160
Skipper	6	s/ms	3.0	4.0	4.0	5.0	7.5	7.5	P	140
Shamrock	6	ms	2.8	4.0	3.3	6.0	8.5	9.0	P	230
Golden Summer	40	ml	3.3	4.0	4.0	9.0	7.0	9.5	P/UP	130
Golden Bell	1	ml	3.3	4.0	3.5	6.0	7.0	12.5	P/UP	130
Golden Belle	25	m/ml	2.8	3.5	3.5	3.0	6.5	11.5	P	200
Gypsy	41	m	2.5	2.5	4.0	4.0	5.5	10.0	P	130
Bell Captain	41	m/ml	3.5	3.5	3.5	6.0	7.0	9.5	P	170
JSS 811A	31	m	3.5	4.0	3.5	7.0	6.5	7.5	P	180
8310C	31	ms	3.5	3.0	3.8	5.0	8.0	6.5	P	150
JSS 8310CB	31	m/ml	3.5	3.5	3.5	5.0	7.5	8.0	P	200
										fruit low on plant, late

Bells unless otherwise stated.

**1985 SCREENING PROCESSING PEPPER TRIAL**  
**R.C.A.T., Ridgeway, Ont.**  
**(Entries unsuited to region in 1985)**

CULTIVAR	S S e u e r d c e	T W h a i l c k. (mm)	D i a m e t e r (cm)	L e n g t h (cm)	S i z e (g)	F r u i t t (g)	REMARKS
Early Prolific	20	3.0	6.5	5.5	125	P	size?, sparse cover
Pick-me-Quick	19	7.0	7.0	8.0	100	P	poor plant
AVX 0101	3	6.0	6.0	7.0	100	UP	
Park's Early Thickset	40	6.0	7.5	9.0	175	P	poor plant
82-292	15	7.0	6.0	10.0	250	P	sparse cover, rough, pted.
Ta Tong	27	6.0	8.5	11.0	240	P	low fruit set
XPH 5020	6	7.0	8.5	9.5	260	U/UP	poor plant
Fry King	4	7.0	5.0	14.5	130	P	pted.. no cover. Roumanian
Rosso Quadranto	47	7.0	8.5	9.0	200	U/UP	poor plant, no set
Merced	21	7.0	8.0	8.0	200	P	" ", rough
P 327	48	7.0	8.5	8.0	200	U/UP	no cover, low set, plant too small
P 1750	48	8.0	7.0	10.0	230	P	" ", rough
Pick-a-Peck	45	7.0	6.0	8.5	130	UP/P	" ", seg. shape & size, rough
Earliest	45	3.0	7.5	7.5	100	UP/P	poor plant
Exp. Hyb. 84-4	45	3.0	7.0	7.5	100	P	late, rough, small leaf
Exp. Hyb. 84-20	45				60	P	v. late, rough, poor plant
Exp. Bell 7443	46	7.0	7.0	9.0	130	U/UP	poor plant, v. rough
SSX 7322	46	6.0	7.5	8.5	170	P	no set
Early Banquet	41	5.0	9.5	11.0	230	P	rough, small leaf
R 8325	43	6.0	8.0	8.5	175	UP	poor plant

Seeded: April 4

Bell peppers unless otherwise stated.

Transplanted: May 25

CULTIVAR	S S e u e r d c e	T W h a i l c k. (mm)	D i a m e t e r (cm)	L e n g t h (cm)	S i z e (g)	F r u i t t (g)	REMARKS
R 8326	43	8.0	7.0	10.0	175	UP	poor plant, no set
R 8330	43	5.0	6.5	10.0	130	P/UP	" ", rough
R 8334	43	3.0	8.0	9.0	130	UP	no set, rough
R 8350	43	6.0	6.5	8.5	130	P/UP	v. poor plant
R 8359	43	7.0	7.5	8.0	130	P	" ", light green shoulder
R 8360	43	6.0	8.5	8.0	170	P	poor plant, low set
R 8368	43	4.0	7.0	7.5	130	UP	v. poor plant
R 8366	43	3.0	8.5	7.5	150	UP/P	no set, non-uniform, late
R 83203	43	4.0	7.0	8.0	150	U/UP	low set, rough, poor plant
Melody	6	6.0	7.5	14.0	200	P	no set, " , "
Goldie	51	4.0	4.5	7.0	50	P	Hungarian, low set, rough
Golden Bell	46	5.0	7.5	10.5	200	P	rough, poor plant
Ringer	31	5.0	8.0	10.0	180	P	" , low set
JSS 8153A	31	3.0	6.5	6.0	200	P	v. poor plant, v. rough
891	31	5.0	7.5	9.0	200	P	" " , no set
JSS 837B	31	4.0	7.0	7.0	150	P	v. poor plant, no set, rough
831QEC	31	5.0	7.5	8.5	180	P	" " , low set
8310CA	31	4.0	8.5	7.5	190	P	no set
8310EA	31	6.0	7.5	7.5	180	P	poor plant, rough

Seeded: April 4

Bell peppers unless otherwise stated.

Transplanted: May 25

**1985 SCREENING PEPPER TRIAL**  
**R.C.A.T., Ridgetown, Ont.**  
**(Recommended for region in 1985)**

CULTIVAR	S e e d s o ur c e	PLANT				FRUIT CHARACTERISTICS						T y p e	REMARKS
		S i z e	C o v e r	H a b i t	S e t	W a T l i c k. (mm)	W i d t h (cm)	L e n g t h (cm)	F r u i t. i t	W e i g h t (g)			
RCAT 912	41	m1/m	4.0	4.0	3.5	3.0	3.5	3.5	P	25	c	S	
PSR 52685	41	ms	3.8	2.8	4.0	4.0	4.0	4.0	P	75	c	S	low plant, H
53885	41	m1	3.5	3.5	3.5	2.0	4.0	3.0	P	25	c	H	
53785	41	m1/m	2.5	3.3	4.0	1.0	3.0	3.0	P	25	c	H	
53685	41	m1	2.5	4.0	3.5	4.0	3.5	2.5	P	25	c	H	
PSR 53085	41	m1	3.5	4.0	3.8	2.0	3.0	3.0	P	25	c	S	
52885	41	m	3.0	3.0	4.0	3.0	4.0	3.5	P	50	c	H	
Red Cherry Large	41	m1/l	3.5	3.0	4.0	4.0	4.0	4.0	UP	50	c	mH	
Fuego	47	m/ml	3.5	3.5	3.8	1.0	2.5	14.0	P	50	ch	H	
Surefire	4	m/ml	3.5	4.0	4.5	3.0	4.0	14.5	P	50	bn	H	
82-232	15	m/ms	3.8	4.0	4.5	3.0	3.5	14.0	P	50	bn	S	
<u>S.S.B.</u>	43	m/ml	3.5	3.0	3.8	7.0	6.0	12.5	P	180	r	S	
Super Stuff	51	m/ml	2.0	3.5	4.0	5.0	6.5	12.0	P	180	p	S	
Super Shepherd	51	m	2.0	2.5	3.8	4.0	5.0	14.5	P	100	r	S	
Jalapa	41	m/ms	4.0	3.5	3.8	4.0	2.5	6.5	P	50	j	H, fruit low on plant	

Seeded: April 4

Transplanted: May 25

TYPE  
 c cherry  
 ch chili  
 bn banana  
 r roumanian  
 p pimiento  
 j jalapeno

CULTIVAR	S e e d s o ur c e	PLANT				FRUIT CHARACTERISTICS						T y p e	REMARKS
		S i z e	C o v e r	H a b i t	S e t	W a T l i c k. (mm)	W i d t h (cm)	L e n g t h (cm)	F r u i t. i t	W e i g h t (g)			
PSR 56185	41	m/ml	3.5	3.8	4.0	4.0	4.0	16.0	P	80	bn	S	
55985	41	m1	4.0	4.0	4.0	3.0	3.0	17.5	P	80	bn	S	
55885	41	l	4.0	4.0	3.8	3.0	3.5	17.5	P	100	bn	S	
Grande Rio 66	32	m1	3.5	4.5	4.0	3.0	3.5	16.5	P	100	bn	S	
82-8330	15	ms/m	2.5	4.5	4.0	2.0	2.5	13.5	P	50	bn	S	
PSR 57685	41	m1	3.5	4.0	4.0	3.0	3.5	14.5	P	80	bn	H	
57385	41	l	4.0	3.8	4.3	3.0	3.5	15.0	P	90	bn	H	
57285	41	m	2.5	3.3	4.0	7.0	4.5	13.0	P	50	bn	H	
57185	41	m1	3.5	4.0	4.0	4.0	4.0	15.0	P	90	bn	H	
57085	41	m1	3.8	3.5	3.8	3.0	3.5	16.0	P	100	bn	H	
PSR 56985	41	m1	3.8	3.8	4.0	4.0	3.0	14.5	P	100	bn	H	
56885	41	l	3.5	4.0	4.0	2.0	3.0	12.0	P	100	bn	H	
Roumanian Hot Hungarian	27	s/d	2.0	3.5	3.5	4.0	5.5	9.5	U	100	p	H	
	41	m	2.5	2.8	4.5	2.0	3.5	13.0	P	90	bn	H	

**1985 SCREENING PEPPER TRIAL**  
**R.C.A.T., Ridgetown, Ont.**  
**(Entries unsuited in 1985)**

CULTIVAR	S S e e r d c e	S o u a l c e	T h a i c l k. .	D i a m e t e r r .	L e n g t h .	S i z e .	F r u i t .	H a b i t .	Type	REMARKS	
				(mm)	(cm)	(cm)	(g)				
RCAT 116	41	1.0	2.5	1.5	25	P	c				low set, late H
114	41	2.0	3.0	2.5	25	P	c				no uniformity/set, late H
100	41	3.0	3.5	3.0	25	P	c				" " " , H
PSR 53985	41	1.0	3.0	2.5	20	P	c				poor plant S
53385	41	2.0	3.5	4.0	25	P	c				no uniformity H
PSR 53485	41	2.0	3.0	2.5	25	P	c				poor plant H
53285	41	4.0	3.0	3.5	35	P	c				" " H
53185	41	4.0	3.0	3.5	40	P	c				" " H
RCAT 306	41	2.0	4.0	3.0	25	P	c				v. poor plant H
203	41	3.0	3.0	3.0	25	P	c				" " " , no set S
RCAT 82	41	2.0	3.5	3.0	50	P	c				low set, poor plant H
PSR 52985	41	3.0	2.5	2.0	25	P	c				poor plant, late H
52785	41	3.0	3.5	2.5	25	P	c				low set S
Cherry Sweet	51	2.0	3.0	3.0	20	P	c				" " S
Large Red	20	5.0	7.5	4.5	100	P/UP	t				rough, non-uniform
Pimento											
Sweet Yellow	20	4.0	6.5	8.0	100	UP	B				non-uniform, low set
Stuffing											
Yellow Hot	20	8.0	6.0	3.0	80	UP	t				v. poor plant
Apple											
Espanola Imp.	16	1.0	2.5	11.5	30	P	bn				no set, rough
S.S.A.	43	3.0	6.0	12.0	150	P	r				non-uniform, no set
Jalapa Hot	20	5.0	2.5	6.5	80	P	j				" "

Seeded: April 4

Transplanted: May 25

CULTIVAR	S S e e r d c e	S o u a l c e	T h a i c l k. .	D i a m e t e r r .	L e n g t h .	S i z e .	F r u i t .	H a b i t .	Type	REMARKS	
				(mm)	(cm)	(cm)	(g)				
Top Banana	41	3.0	3.5	18.5	100	P	bn				sparse cover, rough
E.Jalapeno	41	4.0	3.0	7.5	50	P	j				low set
PSR 55085	41	2.0	3.0	5.5	50	P	j				poor plant, rough
54785	41	2.0	2.5	6.5	50	P	j				" " , low set
56685	41	3.0	3.5	18.0	100	P	bn				" " , " , rough
PSR 56585	41	2.0	4.5	16.0	100	P	bn				sparse cover, rough, non-uniform
56485	41	4.0	3.5	16.0	80	P	bn				" " , rough
56385	41	3.0	4.5	18.5	100	P	bn				v. poor plant, rough
56085	41	4.0	4.5	17.0	100	P	bn				
Italian Sweet	27	6.0	8.0	9.0	180	P	B				no crop
Roumanian Sweet	27	4.0	5.0	12.5	100	P	bn				poor plant, v. rough
82-291	15	9.0	5.0	10.0	100	P	h				sparse cover, rough
PSR 57585	41	5.0	4.0	17.5	100	P	bn				rough
57485	41	3.0	4.0	14.5	80	P	bn				no cover, v. rough
56785	41	5.0	4.0	14.0	90	P	bn				" " , " , unproductive

TYPE: c cherry  
 B bell  
 bn banana  
 j jalapeno

r roumanian  
 t tomato/cheese  
 h hungarian

**1985 ADVANCED EARLY CABBAGE TRIAL**  
R.C.A.T., Ridgetown, Ont.

CULTIVAR	S S e o e u d r f o r m. e e c e	Plant			Head Characteristics						Y i t e / l h d a	R a t i n g	REMARKS
		U n i f o r m .	H a b i t	S a v o y	S h a p e	P r o t e c t.	E x C o r e	I n C o r e	C o r e	H e S a i d z e			
Early Greenball	51	4.0	4.0	4.0	3.5	3.8	3.8	4.0	3.3	.85	12.1	3.5	early, R
Tucana	44	4.0	3.3	4.0	4.5	4.0	4.0	3.8	3.8	.8	10.6	3.5	early, D
Early Marvel	51	4.0	4.0	3.8	3.5	3.8	3.5	3.5	3.0	.95	13.7	3.5	early, D
Atleta	9	3.8	3.3	4.0	3.8	2.8	4.0	3.8	3.8	.8	12.6	3.8	R
Green Express	45	4.0	3.5	4.0	3.8	3.8	3.8	4.2	3.5	1.2	17.9	4.0	R
Headstart	6	4.0	4.5	4.0	4.2	4.2	4.0	4.2	3.8	1.0	14.9	4.0	R
Sun-up	25	3.5	3.8	4.0	4.0	3.5	4.0	4.0	3.8	.85	13.0	3.5	D
Market Prize	25	4.0	3.3	4.0	3.5	3.5	4.0	4.0	3.8	1.6	24.3	4.0	R
Shamrock	41	4.0	3.5	4.0	4.0	4.0	3.5	3.8	2.0	1.6	22.1	3.3	D
Market Victor	32	3.5	3.3	4.0	4.0	4.0	3.8	4.0	3.8	1.3	17.2	3.8	R

Seeded: April 1

Transplanted: April 30

Harvested: June 26, July 2, 16, 29

**1985 OBSERVATION EARLY CABBAGE TRIAL**  
R.C.A.T., Ridgetown, Ont.

CULTIVAR	S S e o e u d r f o r m. e e c e	Plant			Head Characteristics						Y i t e / l h d a	R a t i n g	REMARKS
		U n i f o r m .	H a b i t	S a v o y	S h a p e	P r o t e c t.	E x C o r e	I n C o r e	C o r e	H e S a i d z e			
Princess	45	3.8	3.8	4.0	4.0	3.5	4.0	4.0	3.5	.92	14.7	3.8	R
Minicole	9	3.8	3.0	4.0	4.5	4.5	4.0	4.0	3.5	.6	10.1	3.5	D, late
Rapid	9	4.5	4.0	4.0	4.0	3.5	4.0	4.2	3.5	.65	10.2	3.8	R, early
Rapid Ball	52	3.8	3.5	4.0	4.0	3.5	4.0	4.0	4.0	.95	13.8	4.0	R
SG 637	48	4.0	2.0	4.0	3.8	4.0	3.8	4.0	3.5	1.05	17.6	3.5	D, late
SG 639	48	3.5	3.5	4.0	4.0	3.8	4.0	3.8	4.0	1.0	17.0	3.8	R
Earlibird	3	3.8	4.0	4.0	4.0	3.8	3.8	4.0	3.0	1.37	21.1	4.0	R
Luna	52	3.8	4.5	4.0	4.0	3.3	3.8	4.0	2.0	.83	13.3	3.5	D
Balbro	34	4.0	3.8	4.0	3.5	4.0	3.8	4.0	3.3	.75	12.0	3.5	D
Spring Queen	52	4.0	3.3	3.8	4.0	3.8	4.0	4.5	2.0	1.43	23.0	3.5	R, late

Seeded: April 1

Transplanted: April 30

Harvested: June 26, July 2, 16, 29

1985 ADVANCED EARLY RED CABBAGE TRIAL  
R.C.A.T., Ridgetown, Ont.

CULTIVAR	S S e o e u d r c e e m.	Plant			Head Characteristics							Y i t e / l h d a (kg)	R a t i n g	REMARKS
		U n a b i o t y	H a v o p e	S h a p e c t.	P r o t. e c t.	E x C t.o l o u r	I n C t.o l o u r	C o r e r u r	H e S a i d z e					
Ruby Ball	52	4.0	3.8		4.0	3.5	5.0	3.0	3.0	1.14	14.19	4.0	R, early	
Mammoth Red Rock	51	4.0	5.0		4.0	4.0	5.0	3.0	3.0	1.51	15.29	3.8	R	
Ruby Perfection	51	3.8	4.0		4.0	3.8	3.8	4.0	5.0	.87	13.48	4.0	R, large ribs	
Red Hyb. #5	42	4.0	3.5		5.0	4.0	4.5	3.8	3.0	1.31	19.37	4.0	R	
Red Debut	25	3.5	3.0		4.0	3.5	4.5	3.5	2.8	1.26	18.14	3.3	D	
Expo	34	4.0	2.0		3.5	4.0	5.0	5.0	3.0	.88	12.53	3.5	D, late	
Rodon	34	3.8	3.5		3.8	4.0	5.0	4.0	2.8	.99	12.4	3.5	D	
Kissendrup	37	4.0	3.8		4.0	4.0	5.0	4.5	3.0	1.18	15.96	4.0	R, late single harvest	
Super Red	21	4.0	3.0		3.8	3.5	4.0	4.0	2.8	1.01	13.06	3.5	D	
Solid Red 781	1	5.0	4.0		4.0	3.5	4.5	4.0	3.0	1.22	18.71	4.0	R	

Seeded: April 1

Transplanted: April 30

Harvested: July 16, 29, August 13, 27

24

1985 OBSERVATION EARLY RED CABBAGE TRIAL  
R.C.A.T., Ridgetown, Ont.

CULTIVAR	S S e o e u d r c e e m.	Plant			Head Characteristics							Y i t e / l h d a (kg)	R a t i n g	REMARKS
		U n a b i o t y	H a v o p e	S h a p e c t.	P r o t. e c t.	E x C t.o l o u r	I n C t.o l o u r	C o r e r u r	H e S a i d z e					
Lasso	31	4.0	4.0		4.0	3.5	5.0	4.0	3.0	1.23	17.28	3.8	R, early	
Roodsnit	34	5.0	4.0		2.8	3.0	5.0	4.5	2.5	1.09	15.35	3.3	D, tough	
ARZ 80-020	34	3.5	3.5		2.0	3.5	4.5	5.0	2.0	.81	12.03	3.0	D	
Red Danish	51	3.8	5.0		4.0	5.0	5.0	4.0	3.0	1.57	16.1	4.0	R, late	
Hyb. Red Head	51	4.0	4.0		4.0	4.0	5.0	4.0	2.5	1.16	16.06	4.0	R	
Ruby Perfection	41	5.0	4.0		3.0	4.0	4.5	4.0	2.0	.77	11.3	3.0	D, late, large ribs	

Seeded: April 1

Transplanted: April 30

Harvested: July 16, 29, August 13, 27

1985 ADVANCED EARLY BROCCOLI TRIAL  
R.C.A.T., Ridgetown, Ont.

CULTIVAR		Plant		Head Characteristics												Total Yield t/ha	Rating	REMARKS		
		S	B	L	P	O	H	B	E	X	C	U	S	B	F	Y	B	L	H	
	Soree	Hi	os	et	l	t	Se	el	i	f	a	h	rd	o	e	E	ra	o	e	
	eu	re	an	et	l	t	ai	ro	o	p	a	e	eo	p	r	ly	co	ai	d	
	ern	ng	ai	ai	le	d	dz	n	nu	o	p	a	aw	e	ee	le	ts	ee	dz	
	d	c	c	t	d	o	o	m	e	r	k	n	n	t	s	w	e	d	e	
	e	h	h	h	n	w	1	m.	1	m.							(g)			
Prominence	25	4.0	3.5		3.0	4.0	3.5		3.0	3.0		5.0	4.0	5.0	4.0	4.0	370	5.17	3.5	D, ingrown leaves
Topstar	24	5.0	5.0		3.0	3.8	5.0		4.5	4.0		5.0	5.0	5.0	4.5	4.5	340	4.18	4.0	R, many suckers
Mercedes	24	4.0	4.0		4.0	4.5	5.0		4.5	4.0		5.0	4.5	5.0	4.5	4.5	300	5.61	4.0	R
Bonanza	11	5.0	4.0		3.0	3.5	5.0		4.0	4.0		5.0	5.0	5.0	4.0	4.0	310	4.88	3.8	R
Green Goliath	11	5.0	4.0		4.0	4.0	5.0		3.8	3.8		5.0	4.0	5.0	4.5	4.5	340	5.04	3.5	D, woody stem
Emperor	35	4.0	5.0		4.0	4.5	4.5		4.5	5.0		3.8	5.0	5.0	4.5	4.5	240	2.73	3.0	D
Paragon	51	5.0	5.0		3.8	3.8	5.0		4.0	3.3		5.0	4.0	5.0	4.0	4.0	360	4.73	3.5	D, ingrown leaves
Green Comet	52	5.0	4.0		4.0	3.0	5.0		3.5	3.5		5.0	3.5	5.0	4.0	4.0	280	4.35	3.5	D
Southern Comet	52	5.0	3.8		4.0	3.5	5.0		4.0	3.8		5.0	4.0	5.0	4.5	4.5	380	4.92	3.8	R
Premium Crop	3	5.0	5.0		4.0	4.5	4.0		4.0	3.8		5.0	3.5	5.0	5.0	5.0	410	5.48	4.0	R

Seeded: April 1

Transplanted: April 30

Harvested: June 24, 25, 28, July 2

25

1985 OBSERVATION EARLY BROCCOLI TRIAL  
R.C.A.T., Ridgetown, Ont.

CULTIVAR		Plant		Head Characteristics												Total Yield t/ha	Rating	REMARKS		
		S	B	L	P	O	H	B	E	X	C	U	S	B	F	Y	B	L	H	
	Soree	Hi	os	et	l	t	Se	el	i	f	a	h	rd	o	e	E	ra	o	e	
	eu	re	an	et	l	t	ai	ro	o	p	a	e	eo	p	r	ly	co	ai	d	
	ern	ng	ai	ai	le	d	dz	n	nu	o	p	a	aw	e	ee	le	ts	ee	dz	
	d	c	c	t	d	o	o	m	e	r	k	n	n	t	s	w	e	d	e	
	e	h	h	h	n	w	1	m.	1	m.							(g)			
Goliath	51	4.5	3.8		4.0	3.5	4.5		4.0	4.0		5.0	4.0	5.0	4.5	4.5	310	6.65	4.0	R
Citation	25	5.0	4.5		4.0	4.0	4.0		3.8	3.8		5.0	4.0	4.0	4.0	4.0	300	4.38	3.5	D, ingrown leaves
Excalibur	25	5.0	5.0		4.0	4.0	5.0		4.0	3.8		5.0	4.0	4.0	3.8	3.8	330	4.84	3.5	D, ingrown leaves, easy to cut
Neptune	44	3.5	3.5		4.0	4.0	4.5		3.8	3.5		4.0	4.0	5.0	3.3	3.3	300	3.38	3.5	D, late
Packman	42	5.0	3.5		4.0	3.8	5.0		4.0	4.0		5.0	4.5	5.0	4.0	4.0	330	4.78	3.8	R
Cruiser	44	4.0	3.5		4.0	5.0	5.0		4.5	4.5		5.0	4.5	5.0	4.5	4.5	310	3.84	4.0	R, yield?
Skiff	44	3.5	3.3		4.0	3.5	3.0		3.3	3.5		4.0	3.8	3.5	3.0	3.0	200	3.51	3.0	D, late
79-58	24	3.8	3.8		4.0	4.5	4.0		2.0	3.5		5.0	4.0	4.0	4.5	4.5	350	4.84	3.8	R
Idol	52	4.5	3.8		4.0	3.5	3.5		3.3	3.8		5.0	5.0	3.8	4.0	4.0	3.38	3.5	D, late	

Seeded: April 1

Transplanted: April 30

Harvested: June 24, 26, 28, July 2

1985 EARLY BROCCOLI SCREENING TRIAL  
R.C.A.T., Ridgetown, Ont.

CULTIVAR		Plant		Head Characteristics												Total Yield t/ha	Rating	REMARKS							
		S	B	L	P	O	H	E	C	U	S	B	F	Y	B	R	L	H	E	S	A	D	Z	E	(g)
		S	O	R	E	N	H	I	I	S	E	R	O	P	R	E	E	A	C	O	T	S	E	(g)	
XPH 5004	6	3.5	3.5	4.0	4.0	3.8	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	2.52	4.0	R					
XPH 852	6	4.0	3.8	4.0	3.8	3.5	4.0	3.8	4.0	4.0	4.0	4.0	4.0	3.5	3.5	3.5	3.5	3.32	3.3	D, late					
Galaxy	6	4.5	3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	.23	1.72	3.5	D, yield?, numerous suckers					
Vantage	3	4.0	4.0	4.0	4.0	3.8	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	.3	4.12	4.0	R					
AVX 7631	3	4.0	4.0	4.0	4.0	5.0	3.0	2.0	3.5	5.0	4.0	2.5	3.3	.32	3.85	3.3	D, ingrown leaves								
AVX 8005	3	5.0	4.0	4.0	3.0	5.0	4.5	4.5	5.0	3.0	5.0	4.5	.36	3.72	3.8	R									
AVX 8009TC	3	3.3	3.3	4.0	3.3	3.3	3.5	3.5	4.0	4.0	4.0	3.8	.27	1.86	3.0	D, ingrown leaves									
AVX 8008TC	3	4.0	3.8	4.0	3.5	3.5	4.0	3.8	4.0	4.0	3.8	3.8	.3	4.64	3.8	R									
Gem	6	4.5	3.8	4.0	3.5	3.8	3.5	3.5	4.0	4.0	4.0	3.8	.3	4.38	3.5	D, ingrown leaves									
XPH 5003	6	3.5	3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.8	4.0	4.0	.35	4.65	3.8	R, early								

Seeded: April 1

Transplanted: April 30

Harvested: June 24, 24, 28, July 2

1985 ADVANCED EARLY CAULIFLOWER TRIAL  
R.C.A.T., Ridgetown, Ont.

CULTIVAR	S	D	M	L	C	%	C	Size Grade %				P	W	A	C	R	REMARKS				
	e	e	a	u	t	e	d	o	12	16	24	30	But	C	e	v.i	o	l	o	r	t
Early Snowflake	5												BOLTED								
Early White	11	85	11	90				8	72	20				3.5	560	4.0	3.8	R			
Alpha Paloma	44	85	11	90				50	50				no seed germination	3.8		3.5	3.5	D			
Alpha Veralto	44																				
Snow Crown	25	87	20	100				16	41	43				4.0	530	3.8	4.0	R			
Extra Early	51	85	11	100				16	34	50				4.0	400	3.8	3.8	R, slightly bracted			
Snowball																					
Hyb. White	1	87	12	75				75	25					3.8		4.0	3.5	D, yield?, bracted			
Light																					
Hyb. White	1	82	14	90				20	20	60				3.3		3.3	3.0	D, ricey, bracted			
Contessa																					
Alpha Duralto	44	93	14	90				8	50	42				3.5		3.5	3.0	D, ricey, purple undercolour			
Delta	56	93	14	85				25	75					3.8		3.8	3.5	D, ricey, late			

Seeded: April 1

Transplanted: April 30

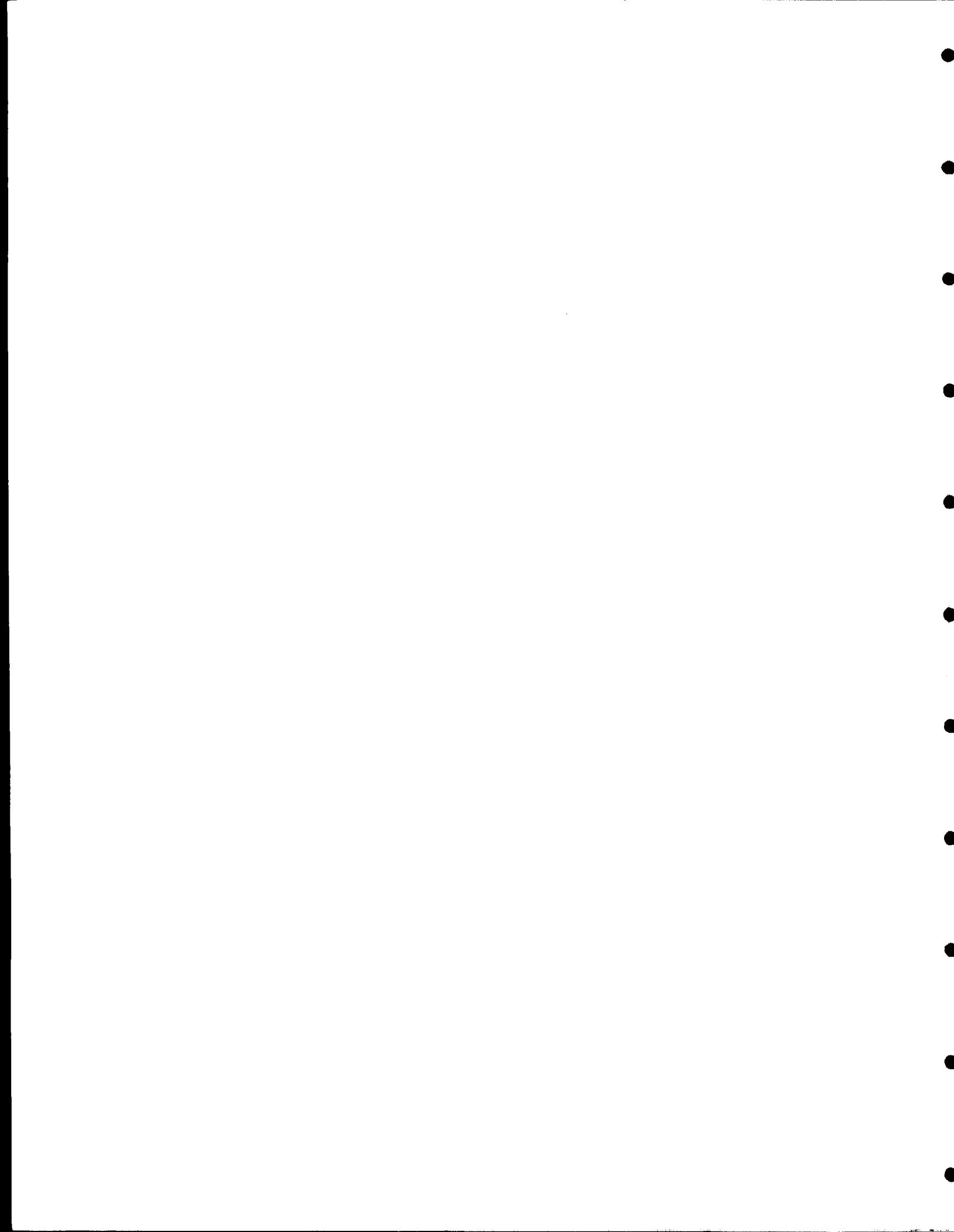
Harvested: June 21, 24, 26, 28, July 2, 5, 8, 16

1985 OBSERVATION EARLY CAULIFLOWER TRIAL  
R.C.A.T., Ridgetown, Ont.

CULTIVAR	S	D	M	L	C	%	C	Size Grade %				P	W	A	C	R	REMARKS				
	e	e	a	u	t	e	d	o	12	16	24	30	But	C	e	v.i	o	l	o	r	t
Snowflower	6	99	8	70				30	50	20				3.5		3.7	3.8	R			
Tolteca	9	107						no harvest										D, too late			
Spring Snow	45	99	8	90				27	36	37				3.5		3.5	3.0	D, bracted, loose			
78-882	15	82	14	90				19	9	63	9			3.5	530	3.8	3.3	D extremely ricey			
81-871	15	86	20	100				33	41	26				4.0	600	4.0	4.0	R			
81-831	15	86	9	80				14	57	29				3.8	660	3.8	3.5	R, slightly ricey			
81-837	15	86	9	100				75	25					3.0	500	2.0	2.0	D, green, ricey			
Snow Pak	41	96	1	75				35	65					4.0		4.0	3.8	R, yield?			
78-908	15	89	10	70				15	70	15				4.0		3.8	3.8	R, yield?			
Stovepipe	15	85	1	100				40	60					3.5	450	3.5	3.5	D, ricey, bracted			

1985 SCREENING EARLY CAULIFLOWER TRIAL  
R.C.A.T., Ridgetown, Ont.

CULTIVAR	S	D	M	L	C	%	C	Size Grade %				P	W	A	C	R	REMARKS				
	e	e	a	u	t	e	d	o	12	16	24	30	But	C	e	v.i	o	l	o	r	t
79-825	15	85	8	75				11	11	55	23			3.5	800	3.3	3.3	D			
79-945	15	87	2	100				66	34					3.8	535	3.8	3.8	R			
77-876	15	85	4	75				22	78						450	3.5	3.5				
AVX 5002	3	91	8	85				50	10		40			4.0		3.8	4.0	R			



1985 MELON SCREENING TRIAL  
R.C.A.T., Ridgetown, Ont.

CULTIVAR	Se ed e r c e	S h a p e	N e t t i n g	R i d g e s	F l a v o u r	F e e d s h C / a v. .	F l e e d s h d /	F l e e i n s h d / e	S e e d s u r e	T e x t u r e	C o l o u r	A v. W t. kg	Y i e 1 d t/ha	R a t i n g	REMARKS
Far North	20	3.0	2.0	2.0	3.5	3.5	3.5	3.0	3.0	3.0	.3	24.6	3.5		
Alaska	20	3.3	4.0	3.5	3.0	3.3	4.0	3.5	4.0		1.8	22.6	3.3	D,fine netting,v. early	
Honey Drip	20	4.0	1.0	1.0	3.8	3.0	3.0	2.5	1.0		1.5	60.7	2.8	D,honeydew,green, cuke flavour	
Honey Drip	40	4.0	1.0	1.0	3.0	4.0	4.0	3.5	2.0		1.85	53.3	2.8	D,honeydew,splits	
Canada Gem	51	3.5	3.0	3.5	5.0	3.5	3.5	3.5	4.0	4.0	1.75	36.9	4.0	R,production?	
Scoop	40	3.5	4.0	4.0	3.3	2.0	3.5	3.8	3.8	3.8	1.23	24.9	3.5		
Earlisweet	41	3.5	4.0	4.0	3.5	4.0	4.0	3.5	2.0	4.0	1.08	38.3	3.8	D	
Harper Hyb.	41	3.8	3.8	3.5	4.0	4.0	4.0	3.5	3.8	4.0	1.02	37.7	3.8	R,coarse	
Market Star	38	4.5	3.8	4.0	3.8	3.5	4.5	3.5	3.8	3.8	1.74	36.0	3.8	R	
Hales Best Jumbo	38	4.0	5.0	4.0	3.0	3.5	3.8	3.5	3.8	3.5	1.68	26.1	3.3	D,tough to cut,crunchy	
Pride of Wisconsin	38	4.0	2.0	4.0										D,v. late,yields in Oct.	
Musketeer	38	3.8	3.0	3.3	3.5	3.5	3.8	3.5	4.0	4.0	1.44	11.2	3.5	D,sev. mildew,tough	
Musketeer	20	3.0	3.0	1.0	3.3	3.5	4.0	3.8	4.0	3.8	1.76	24.7	3.3	D,HG,rubbery flesh,compact	
Honeyshaw	20	3.0	1.0	1.0	2.0	3.0	3.0	3.5	4.0					D,citron type,huge rind,yellow ext.	
Charentais Sweetheart	20	2.0	1.0	1.0	3.0	3.3	3.5	3.5	3.8	3.5	.87	31.5	3.0	D,cantaloupe,too sweet	
Summet	51	5.0	5.0	5.0	4.0	4.0	4.0	3.5	3.5	4.0	1.2	28.8	4.5	R,sweet,production?	
Adisto	40	too late, not many	not many	plants	survive									D	
Luscious	40	4.0	4.3	4.5	3.8	3.8	4.0	3.8	4.0	4.5	1.85	53.5	4.0	R,corky,coarse netting	
Samson	40	4.0	4.5	3.0	2.0	5.0	3.8	3.5	3.5		2.1	40.7	3.3	D	
Harvest King	45	3.8	3.0	3.3	3.5	3.5	3.8	3.5	2.0	3.0	1.15	41.6	3.0	D,fibrous	

Seeded: May 21

Transplanted: June 19

Harvested: Sept. 3,6,11,18

Note: Harvest was delayed due too the setback suffered  
in a hail storm in early July.

1985 MELON SCREENING TRIAL -2  
R.C.A.T., Ridgeway, Ont.

CULTIVAR	S e e d u r c e	S h a p e	N e t t i n g	R i d g e s	F l a v o u r	S e e d h C / a v. .	F l e e d s h d / v.	F l e e i s n h d / v.	S e e d s h d / v.	T e x t u r e	C o o u r	A v. W t. kg	Y i e l d t/ha	R a t i n g	REMARKS
Sunrise	45	3.8	3.0	1.0	3.0	3.0	3.3	3.0	3.0	3.0	3.0	1.38	46.0	3.0	D, too sweet
Andes	45	3.0	3.5	1.0	3.5	4.0	3.5	3.5	3.5	3.0	.5	16.3	3.3	D, green int., v.sweet, late	
Amur	45	3.8	4.0	2.0	3.0	5.0	3.5	3.8	2.8					3.0	D, dk. green, green int., too sweet
Emerald Jewel	45	3.5	4.0	1.0	3.0	3.5	3.5	3.5	3.5	2.8				3.0	D, " ", " ", super sweet
Sweetie	45	3.5	1.0	1.0	2.5	2.3	2.0	2.0	3.0	2.8	.94	20.9	3.0	D, cantaloupe, green & orange int.	
# 40	45	4.0	3.8	3.8	4.5	4.5	4.0	3.8	4.5	4.0	1.17	53.3	4.0	R	
Sweetheart	45	3.0	1.0	1.5	2.5	3.0	3.3	3.0	3.3	2.8	1.15	47.4	3.0	D, sev. mildew, cantaloupe, rubbery	
Resistant Joy	45	3.5	2.0	4.0		4.0	4.0	3.0	2.0	2.5	1.5	33.3	3.0	D, woody	
Charity Ball	45	5.0	5.0	5.0	3.5	3.0	3.0	3.0	3.5	3.0	20.2	3.5	D, doesn't colour up, sweet		
Roadside	41	3.8	3.0	3.3	4.0	4.0	4.5	3.5	3.5	5.0	2.18	33.8	3.8	D, yellow rind	
Dixie Jumbo	41	4.5	5.0	4.0	4.0	3.5	3.5	3.5	3.0	3.0	2.6	75.1	4.0	R	
Bush Star	41	3.8	4.5	4.5	3.8	4.3	4.3	2.8	3.8	4.0	1.51	15.1	3.8	R, musky flav., compact, HG	
Super Sprint	41	4.0	5.0	5.0	3.8	3.8	4.0	3.5	3.5	4.0	1.1	37.1	4.0	R, coarse texture	
Magnum	41	4.5	5.0	5.0	3.3	2.8	2.8	3.0	3.0	3.5			3.3	D, too late	
Mainerock	41	3.5	5.0	4.0	4.5	3.5	3.5	3.0		4.0	1.62	24.7	3.5	R, thin rind	
PS S581	41	4.5	4.5	4.5	3.8	4.5	4.5	3.5	3.8	4.5	1.38	30.9	4.0	R, corky	
PS S781	41	4.3	5.0	5.0										D, too late	
Top Score	41	4.5	4.5	4.0										D, "	
XP 3592	25	3.0	3.8	3.8	3.5	3.0	3.5	3.5	3.0	3.5	1.86	29.3	3.5	R, hvy. fat globe, rubbery	
Goldstar	25	4.0	4.0	4.0	3.8	4.0	3.5	3.3	3.0	4.5	2.4	50.8	4.0	R	

1985 OVERWINTERING LEEK TRIAL - FALL HARVEST  
R.C.A.T., Ridgetown, Ont.

CULTIVAR	S	L	L	T	W	D	Y	R	REMARKS
	S o e r d c e	L e n t t h e	L g h. G r i e h (cm)	L e t n e a g l t h (cm)	L e i g h t (g)	D i a m e t e (cm)	I t e l ha d (cm)	R a t i n g	
Broad London	11	7	19	88	235	4.5	37.6	3.5	
Genita	50	10	17	62	250	3.5	40.0	4.5	R
Nebraska	44	8	17	97	285	4.0	45.6	4.0	R
Catalina	1	9	19	88	265	3.0	42.6	4.0	R
Vitan	37	14	23	118	235	4.0	38.1	4.5	R
Wila	34	10	18	104	250	3.0	42.3	4.5	R
Albana	36	11	15	99	260	4.0	41.8	4.5	R
Jolant	9	13	23.5	105	165	3.5	26.4	2.8	D
OE 3089	37	17	29	132	250	3.5	40.0	4.5	R
OE 3100	37	18	30	126	330	3.5	52.8	5.0	RR
Gabilan	14	16	29.5	124	240	3.0	38.0	4.0	R
Blizzard	9	7.5	15	93	135	3.5	21.6	2.5	D
Ducal	9	8	16.5	92	200	3.5	32.0	3.0	D
Kazan	9	7.5	17	95	170	4.0	27.1	2.5	D
Ator	50	9	20	103	255	3.5	40.7	3.8	R
Longina	48	7.5	16.5	87	260	3.5	41.5	3.8	R
Rese	37	15	22	109	235	4.0	34.4	4.0	R
Regius	37	12	17.5	111	230	4.0	36.9	4.0	R
Durabel	37	11	17	116	175	3.5	27.4	3.0	D
Agria	37	12	21	87	205	3.0	33.1	3.5	
Longa	37	20	29.5	124	385	4.0	61.6	5.0	R, very early
OE 3101	37	17	26.5	112	360	3.5	57.8	5.0	R, oval
Darkal	9	11	18	94	180	3.5	30.2	3.5	
Leone	9	11	20	100	185	4.0	29.6	3.5	

Seeded: April 16  
Fieldset: June 6  
Harvested October 31, 1985

1985 RED BEET SCREENING TRIAL  
R.C.A.T., Ridgetown, Ont.

CULTIVAR	S	S	L	D	L	W	A	E	I	T	R	REMARKS
	S e e d c e	S e e r c e	L e o n t h	D i a m e t	L e n g t	W e i g h t	A p p e a r a n c e	P e p e a r a n c e	E x t. o l o u r	I n C t. o l o u r	T e x t u r e	
Red Ace	1	33	5.5	6.0	125	3.7	3.5	5.0	4.0	R?	tail, brown/white scale	
AVX 3769	3	30	5.5	7.0	140	3.8	4.5	4.2	3.7	R	rat tail	
AVX 3770	3	29	6.0	7.0	130	3.7	3.8	3.0	3.0	D	scale	
AVX 6568	3	24	5.5	5.5	90	3.5	3.5	3.8	4.0	D	scale, some rings	
AVX 5705	3	26	5.0	6.5		3.3	4.0	3.5	5.0	D	heavy scale	
Sangria	1	37	5.5	5.5	130	4.0	4.0	3.5	4.0	R	some white rings	
Monopoly	48	25	5.0	6.5	130	3.7	3.7	3.0	4.0	D		
Dwergina	9	28	5.0	7.0	100	3.8	5.0	4.5	4.0	R	triangle shape	
Detroit Supreme	14	32	5.5	7.0	100	3.8	4.0	4.2	3.8	R	long, triangular	
Garnet	14	27	5.5	7.0	145	3.0	4.0	4.0	2.0	D		
Badger Baby	14	30	5.0	6.0	100	3.5	3.5	3.0	3.3	D	scale, maroon leaves	
Big Red	14	32	5.0	6.0	120	3.5	4.0	5.0	3.5	R	some scale	
Pacemaker III	14	33	6.0	6.5	140	3.3	4.5	3.8	3.8	D	heavy scale, white rings	
Lutz Green Leaf	14	42	6.0	7.0	100	3.5	3.5	2.0	2.0	D	severe white rings	

Seeded: April 26  
Harvested: July 13

GLOSSARY of TERMS

j+ - jointed stem

d - dwarf

HG - homegarden

Nr - never ripe

cr - crimson

BE - blossom end

BER - blossom end rot

HL - hollow locules

YT - yellow top

D - discard

R - retain

WP - whole pack

P (tomato) - product  
(pepper) - pending fruit

U - upright fruit