TOMATO TRIALS

VINELAND & SIMCOE

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Two hundred varieties and strains submitted for trial by seed companies and experiment stations were grown this year. In addition, 111 advanced breeding lines were grown. The seed of the trials herein reported was sown in the greenhouse, April 7 and 8. The plants were transplanted to the field on May 21 at Vineland and June 1 at Simcoe, by machine. The planting distance was 2 x 5 feet.

Twelve hand-pick and 12 machine-harvest cultivars were evaluated in Coordinated Trials at five locations throughout Ontario under the coordination of J. Metcalf and B. Heeney, Smithfield Experimental Farm. Only the results obtained at Vineland and Simcoe are given here. At each location there were 4 replications of 10 plants for Coordinated Trials, 2 replications of 10 plants for Advanced Breeding lines and 2 replications of 5 plants for Preliminary Production Trials. Most cultivars in the Observation Trials were grown only at Vineland - 2 replications of 5 plants. Except for production, the data given are the averages of 8 replications for Coordinated Trials, 4 for Advanced Breeding Trials, 4 for Preliminary Production Trials and 2 for Observation Trials. In the Advanced Breeding Trials and Preliminary Production Trials only those being retained for 1971 are recorded.

The trials were held on sandy loam soil which in 1969 was in strawberries at Vineland and in wheat at Simcoe. Weeds were controlled by treflan followed by granular Vegiben. The weather was very cool and damp early in the season. The plots were not irrigated.

At Vineland excess water damaged certain areas and other areas were injured by nematodes or Verticillium. Total yield at Vineland is the production of the pickings August 12, September 2 and September 15. At Simcoe the Coordinated Trials were harvested August 24, September 2 and September 28. For the Advanced Hand-Pick Trials at Simcoe records are available only for harvests August 26 and September 18. The percentage by weight, harvested from each variety is given for each pick. Production records were not taken in the Observation Trials.

A single hand pick was made of the mechanical harvesting types. The date varied somewhat according to the season of maturity of the fruit. The percentages of immature, useable and overmature fruits are given.

Records on fruit characteristics were taken in early September. According to the trial, fifty or thirty typical fruits were selected from each replication. The fruits from four varieties were weighed, cut open and examined on a table at one time. Records were dictated without knowledge of the varietal name.

In the following tables the varieties are listed in approximate order of proportion of total crop harvested at first pick for the Production Trials, and for Observation Trials in order of number of red fruits per plant July 21 for early cultivars and August 6 for late cultivars. Crack resistance, blossom end, firmness, ease of stem removal, thickness of flesh, internal color, flavor, general ratings of the raw fruit and ratings when processed as whole pack and as juice, are all based on a scale of 1 to 5. One is undesirable and 5 desirable. Two measures of ease of stem removal are given. One is based on the number of stems remaining on the fruits after they were pulled from the plants. The other is based on the number remaining on the fruits after they were pulled from the plants. The other is based on the number remaining after they were given a light flick with the thumb. The size of fruit is given as number of fruits per 35 pounds = 5/8 bushel hamper. This was calculated from the weight of 30 or 50 fruits per replicate. Unless otherwise mentioned all varieties are determinate and uniform ripening sp u. Other genetic symbols used in the description are: j and j2 - jointless, sp^+ - indeterminate growth u^+ - green shoulder, ug - fruits with grey-green shoulders, (occasionally ug plants were wrongly classified as u or u^+), V - resistant to verticillium wilt, F - resistant to fusarium wilt. (If "V" or "F" is omitted, the line was susceptible to the disease or the inoculation studies were inconclusive. Sometimes the control cultivars did not give the expected reaction. This may indicate variable stock, an exceptionally virulent strain of the wilt organism or the presence of other "damping off" fungi

The general rating of the raw fruit does not include such characteristics as season of maturity, yield and processed quality. It is the examiner's opinion (1970) of the value of the raw fruits for processing. Hence many of the earlier varieties which are promising for early market received low rating. In general, a variety rated lower than 3 is discarded. It is necessary to compare the records for several years before a true picture of the value of a variety can be obtained.

In addition to entries in the Coordinated Trials 54 cultivars and Advanced breeding lines were processed in the Horticultural Products Laboratory. by Mrs. F. Cook and staff. Ratings of those that will be grown in 1971 are given in Table 9. Quality was evaluated from single sample by a taste panel consisting of 5 of the following: Mrs. J. Allison, Mrs. F. Cook, Mrs. S. Sano, E.A. Kerr, S.A. Nesathurai and R.B. Smith.

Source No.	Source
1.	University of Alaska, College, Alaska, U.S.A.
2.	A.L. Castle Inc., 190 Main Street, P.O. Box 877, Morgon Hill, California 95037, U.S.A.
3.	Campbell Soup Co., Ltd., R.R. # 6, Brampton, Ontario
4.	C.D.A., Research Station, P.O. Box 29, Beaverlodge, Alberta
5.	C.D.A., Research Station, Kentville, Nova Scotia
6.	C.D.A., Research Station, C.E.F., Ottawa, Ontario
7.	C.D.A., Smithfield Experimental Farm, R.R. # 4, Trenton, Ontario
8.	Department of Horticulture, Purdue University, Lafayette, Indiana, U.S.A.
9.	Department of Plant Science, University of New Hampshire, Durham, New Hampshire, U.S.A.
10.	Dept. of Vegetable Crops, Agricultural Experimental Station, Geneva, New York, U.S.A.
11.	Dept. of Horticulture, Penn State University, University Park, Pa. 16802,U.S.A.
12.	Dept. of Horticulture, University of Guelph, Guelph, Ontario
13.	F. Elliot, Fort Orford, Oregon 97465, U.S.A.
14.	Ferry Morse Seed Co., Mountainview, California 94042, U.S.A.
15.	Joseph Harris Co., Inc., Rochester 11, New York, U.S.A.
16.	The Hebrew University of Jerusalem, Rehovot, Israel
17.	H.J. Heinz Co., R.R. # 4, Bowling Green, Ohio, U.S.A.
18.	Horticultural Experiment Station, Brooks, Alberta
19.	Horticultural Resaerch Institute of Ontario, Vineland Station, Ontario
20.	C.D.A. Experimental Farm, Swift Current, Saskatchewan
21.	University of Minnesota, Horticultural Center, Duluth, Minnesota 55804,USA
22.	Peto Seed Co., Saticoy, California, U.S.A.
23.	Stokes Seeds Ltd., St. Catharines, Ontario
24.	Sub Tropical Experiment Station, Homestead, Florida, U.S.A.
25.	U.S.D.A., Crops Research Division, Beltsville, Maryland, U.S.A.
26.	U.S.D.A., Plant Introduction Station, Geneva, New York, U.S.A.
27.	New York State College of Agriculture, Cornel University, Ithaca, N.Y.14850 U.S.A.

TABLE 1. COORDINATED ADVANCED TRIALS - HAND PICK

	Seed Source	No. Per 35 lbs.	Crack Resistance	Blossom End	Firmness	Stem Removal		Flesh Thickness	Internal Color	Flavor	Rating			Production							
														Vineland				Simcoe			
						Pick	Flick				Raw Fruit	Juice*	Whole Pack *	1st.Pick % 12 Aug.	2nd.Pick % 28 Aug.	3rd.Pick % 15 Sept.	Total tons/acre	1st.Pick % 24 Aug.	2nd.Pick % 2 Sept.	3rd.Pick % 28 Sept.	Total tons/acre
New Yorker	23	151	3.3	3.7	2.9	0.7	4.4	3.1	3.2	3.4	2.5	4.0	2.5	60.1	34.2	5.7	13.6	23.9	70.6	5.5	16.4
Fireball	15	130	3.5	3.2	2.7	0.2	4.5	3.6	3.2	3.1	2.2	5.0	3.0	53.9	42.0	4.1	16.2	27.4	66.1	6.5	18.2
V 701	19	141	3.9	3.6	3.5	0.5	4.4	3.4	3.4	3.5	3.1	--	--	41.3	48.7	10.0	18.2	23.6	65.9	10.5	17.0
Vision	19	145	4.3	4.0	3.4	0.7	4.5	3.4	3.0	3.5	3.2	3.5	3.2	32.9	57.8	9.3	16.6	16.5	52.2	31.3	18.1
H 1630	17	164	4.4	4.5	3.6	0.6	4.6	3.1	3.6	3.7	3.5	3.0	3.0	26.2	59.5	14.3	18.2	14.6	55.2	30.2	20.8
Ottawa 78	6	123	4.1	3.5	3.5	1.7	4.9	3.0	3.2	3.3	3.0	3.7	3.0	22.8	65.6	11.6	18.0	12.5	58.6	28.9	21.9
Veecrop	19	124	4.2	3.9	2.5	0.4	4.0	3.1	3.5	3.5	3.2	4.5	3.0	18.8	46.6	34.6	34.1	12.2	54.1	33.7	21.5
Campbell 28	3	126	4.1	4.4	2.9	0.6	3.4	3.2	3.1	3.4	3.0	4.2	3.5	16.5	51.8	31.7	24.8	13.5	46.9	39.6	20.4
Veeset	19	137	4.8	4.4	4.0	0.0	3.7	2.6	3.9	3.2	3.7	4.0	3.2	15.9	57.6	26.5	20.1	13.5	51.4	35.1	21.5
V 688	19	146	4.7	4.2	3.9	0.2	4.0	3.0	4.0	3.3	3.7	--	--	15.6	62.0	22.4	20.6	11.4	45.8	42.8	18.1
Trent	7	129	3.9	3.9	2.5	0.4	4.6	3.6	2.1	3.7	2.6	3.5	2.7	13.5	65.1	21.4	27.5	18.4	72.2	9.4	18.8
H 1350	--	115	3.4	3.5	3.0	0.5	4.1	3.0	2.9	2.7	2.6	3.2	3.0	9.4	56.0	34.6	31.4	14.3	59.5	26.2	19.0

* Overall rating of product processed at Vineland and evaluated at Smithfield

TABLE 2 COORDINATED ADVANCED TRIALS - MECHANICAL HARVEST

Cultivar	Date of Harvest	Seed Source	No. Per 35 lbs.	Crack Resistance	Blossom End	Firmness	Stem Removal: Pick	Stem Removal: Flick	Flesh Thickness	Internal Color	Vineland Rating: Flavor	Vineland Rating: Raw Fruit	Vineland Rating: Juice*	Vineland Rating: Whole Pack*	Production: Vineland: Green %	Production: Vineland: Marketable %	Production: Vineland: Rotten etc.%	Production: Vineland: Marketable tons/acre	Production: Simcoe: Marketable tons/acre	Remarks
V 672	28/8	19	390	4.1	5.0	3.0	1.7	5.0	2.0	3.7	3.2	3.0	2.5	3.0	10.5	84.6	4.9	13.2	3.9	Very early
H 1706	2/9	17	280	4.5	3.7	4.0	1.5	5.0	3.1	4.0	3.2	3.9	4.0	4.0	21.1	74.7	4.2	21.5	8.6	Mixed seed, succ. to early blight
Tamu Chico III	2/9	22	225	4.9	3.9	3.1	3.1	5.0	4.0	3.3	3.4	3.3	4.5	3.5	26.6	71.3	2.1	16.5	8.2	Puffy
69B890	14/9	25	213	4.6	4.1	3.8	1.2	4.8	4.0	3.3	3.4	4.0	4.2	3.7	14.5	75.3	10.2	16.6	7.8	
V.F. Napoli	14/9	14	253	5.0	4.7	3.9	3.7	5.0	3.9	3.5	3.9	3.5	3.5	3.2	15.6	80.3	4.1	26.9	9.1	Puffy
V 703	14/9	19	310	4.8	4.1	3.2	3.0	5.0	3.3	3.9	3.6	3.2	4.0	3.0	17.3	74.7	8.0	18.8	8.9	Puffy, slight blotch
V 702	14/9	19	203	4.9	4.5	4.0	4.4	5.0	4.1	4.0	3.6	3.7	5.0	3.5	18.0	74.0	8.0	10.3	8.0	Mixed seed
Roma V.F.	14/9	15	247	4.8	3.8	3.2	1.4	5.0	4.0	2.8	3.3	2.3	3.5	3.0	23.4	73.5	3.1	19.7	6.8	Blotchy
Red Top	14/9	--	226	4.8	3.8	3.8	3.2	5.0	3.7	3.0	3.7	3.3	4.5	3.2	26.5	70.3	3.2	22.7	8.8	Puffy, leather end
Harvester	14/9	--	286	4.6	4.8	4.0	3.6	5.0	3.7	3.7	3.6	3.5	4.7	3.5	27.7	66.4	5.9	16.8	8.2	Blotchy, small

* Overall rating of product processed at Vineland and evaluated at Smithfield

TABLE 3 ADVANCED YIELD TRIALS - HAND PICK

Cultivar	Seed Source	No.Per 35 lbs.	Crack Resistance	Blossom End	Firmness	Stem Removal		Flesh Thickness	Internal Color	Flavor	Rating			Production							Remarks
														Vineland				Simcoe			
						Pick	Flick				Raw Fruit	Juice*	Whole Pack*	1st.Pick % 12th. Aug.	2nd. Pick % 2nd. Sept.	3rd. Pick % 15th.Sept.	Total tons/acre	1st. Pick % 25th. Aug.	2nd. Pick % 18th. Sept.	Total tons/acre	
Fireball	15	134	2.6	3.5	3.3	0.4	5.0	3.1	3.6	3.0	2.2	3.2	3.0	43.2	53.8	3.0	26.0	31.4	68.6	11.2	
V 701	19	140	3.5	3.5	3.6	0.4	4.2	3.3	3.1	3.2	3.1	2.9	2.4	33.5	54.4	12.1	31.6	22.2	77.8	12.5	V?F
Vision	19	115	4.0	4.5	3.4	0.9	4.5	3.6	3.2	3.4	3.2	2.8	3.1	26.4	61.9	11.7	31.2	27.3	72.7	10.6	F
V 709	19	131	4.7	4.5	3.4	0.2	4.4	3.2	3.6	3.3	3.7	2.6	2.6	23.0	57.3	19.7	37.7	31.0	69.0	9.8	F
V 686-C	19	81	4.3	4.1	3.6	0.4	3.9	3.5	3.7	3.4	3.8	3.7	3.2	18.3	48.0	33.7	43.1	34.0	66.0	8.7	VF
V 686-E	19	91	4.6	3.8	3.7	0.6	4.1	3.2	3.1	3.4	3.5	3.7	3.2	18.0	53.3	28.7	46.1	16.6	83.4	11.4	VF
Veeset	19	118	4.5	3.5	3.8	0.5	3.5	3.1	4.0	3.2	3.4	3.7	2.4	16.9	59.5	23.6	29.0	29.6	70.4	10.7	
Q 7-7	19	114	4.6	4.5	3.6	0.5	4.3	3.2	3.8	3.3	3.6	3.5	2.4	16.0	48.5	35.5	34.0	21.6	78.4	7.9	
V 686-A	19	92	4.8	4.1	3.6	0.4	3.4	3.1	3.3	3.4	3.2	3.4	2.1	14.9	53.0	32.1	50.2	37.6	62.4	10.5	VF,severe blotch
V 685	19	95	4.2	4.0	3.6	0.5	3.6	3.1	3.4	3.2	3.6	3.2	3.0	14.2	48.5	37.3	38.0	34.4	65.6	7.0	V?F?
V 7010	19	101	4.6	4.5	3.4	0.6	4.1	3.2	3.2	3.6	3.2	3.3	2.7	13.6	54.9	31.5	35.7	17.7	82.3	4.9	VF yellow top
ST-11	19(7)	128	3.8	4.0	3.4	1.0	4.8	3.9	3.4	3.2	3.4	3.2	3.4	13.0	64.9	22.1	38.6	23.1	76.9	10.4	Crimson flesh, severe blotch
Ottawa-81	19(6)	99	4.1	2.9	3.4	1.2	4.4	3.2	2.7	3.4	2.9	2.0	2.5	10.8	67.0	22.2	39.3	25.1	74.9	9.4	V severe blotch
ST-12	7	121	3.5	4.0	3.1	1.4	4.9	3.5	3.5	3.1	3.2	3.3	3.2	8.5	61.0	30.5	38.7	23.2	76.8	8.6	Crimson flesh

* Overall evaluation at Horticultural Products Laboratory. See Table 9 for details

TABLE 4 ADVANCED YIELD TRIALS - MECHANICAL HARVEST

Cultivar	Seed Source	Date of Harvest (Vineland)	No. Per 35 lbs.	Crack Resistance	Blossom End	Firmness	Stem Removal		Flesh Thickness	Internal Color	Flavor	Rating			Production								Remarks
															Vineland				Simcoe				
							Pick	Flick				Raw Fruit	Juice*	Whole Pack	Green %	Marketable %	Rotten etc.%	Marketable tons/acre	Green %	Marketable % Sept.28-30	Rotten etc.%	Marketable tons/acre	
N 16-4	19	2/9	173	4.0	4.5	3.8	0.7	3.9	3.1	3.8	2.9	3.3	3.2	2.9	19.6	78.6	1.8	21.3	5.4	46.7	47.9	8.2	
V 684	19	2/9	204	3.5	4.5	3.7	1.4	3.9	3.2	3.9	3.7	3.6	3.4	2.8	25.4	70.8	3.8	26.8	12.5	39.8	47.7	7.7	F
Bellerina	19(22)	2/9	239	2.2	4.5	3.6	3.2	5.0	3.5	3.2	3.5	2.5	--	--	48.7	43.4	7.9	16.0	8.0	74.7	17.3	25.2	
V 707	19	15/9	185	3.5	5.0	3.6	0.0	3.9	2.9	3.5	3.5	2.7	3.5	3.2	2.9	87.0	10.1	27.7	5.6	48.7	45.7	11.7	V
R 10-13	19	15/9	269	4.0	5.0	3.8	1.9	4.7	3.3	3.9	3.5	3.4	--	--	4.4	87.7	7.9	26.8	6.5	71.1	22.4	15.4	
V 708	19	15/9	193	4.0	5.0	3.7	0.7	4.7	3.1	3.8	3.4	3.3	3.2	3.2	5.1	80.4	14.5	23.0	13.1	51.5	35.4	10.3	VF
Tamu Chico III	19(22)	15/9	250	4.6	4.5	3.7	1.5	4.9	3.6	3.3	3.4	3.5	3.7	3.5	6.2	90.0	3.8	36.4	2.9	83.1	14.0	35.5	
V 706	19	15/9	191	3.6	4.5	3.6	0.5	4.3	2.7	3.5	3.5	2.9	2.9	2.8	6.3	86.9	6.8	38.1	1.5	67.4	31.1	23.5	F
V 6812	19	15/9	186	3.9	4.9	3.1	1.0	3.9	3.1	3.6	3.6	3.0	3.2	3.7	6.7	72.6	20.7	24.7	2.4	48.0	49.6	10.6	F
V 7011	19	15/9	266	4.2	4.5	3.5	2.4	3.9	3.5	3.8	3.8	3.5	3.1	3.2	7.3	80.7	12.0	15.7	20.5	62.9	16.6	27.3	V
N 11-1	19	15/9	179	3.9	4.6	3.4	0.0	3.4	3.0	3.9	3.6	3.4	3.5	3.3	7.8	82.2	10.0	27.7	4.9	31.6	63.5	5.1	V
R 14-9	19	15/9	237	3.7	4.5	3.9	3.1	5.0	3.9	3.5	3.1	3.1	3.3	3.9	8.0	88.0	4.0	23.9	16.6	61.2	22.2	27.1	VF
R 15-3	19	15/9	223	4.0	4.5	3.4	1.4	4.6	3.4	3.5	3.7	3.3	3.8	3.3	8.1	81.7	10.2	27.3	7.2	69.0	23.8	17.9	
V 704	19	15/9	284	4.9	5.0	3.5	1.7	5.0	3.2	3.3	3.8	3.4	3.8	3.0	8.3	86.8	4.9	30.9	4.7	77.9	17.4	31.6	V
V 697	19	15/9	188	3.7	4.9	3.7	0.9	4.4	3.1	3.6	3.6	2.9	3.5	3.1	9.1	87.6	3.3	31.8	0.7	47.6	51.7	5.7	F
H 1783	19(17)	15/9	146	3.5	4.5	3.7	2.4	5.0	3.7	3.7	3.4	2.5	3.2	2.8	9.9	81.0	9.1	34.3	4.4	36.2	59.4	14.0	VF
V 702	19	15/9	214	3.2	4.5	3.9	3.1	5.0	3.8	3.4	3.3	3.0	3.6	2.3	9.9	85.8	4.3	18.8	8.2	62.3	29.5	21.1	
Mecheast 22	19(22)	15/9	162	3.2	4.9	3.5	1.5	4.9	3.9	3.3	3.4	2.6	--	--	10.4	81.7	7.9	29.4	11.2	40.9	47.9	10.1	VF
R 10-14	19	15/9	288	4.2	5.0	3.9	2.0	5.0	3.6	3.9	3.3	3.6	--	--	12.3	83.7	4.0	31.0	3.5	79.4	17.1	22.8	VF
R 10-33	19	15/9	341	3.6	5.0	3.7	3.9	5.0	3.7	3.7	4.0	3.2	4.0	3.8	12.6	80.7	6.7	26.5	9.7	62.7	27.6	20.7	V
V 705	19	15/9	288	4.2	5.0	3.7	2.6	4.9	3.5	3.2	3.4	3.3	3.5	2.9	12.8	79.4	7.8	33.3	13.2	69.6	17.2	27.2	VF
R 9-2	19	15/9	288	3.9	5.0	3.6	2.7	5.0	3.6	3.6	3.4	3.0	--	--	15.2	79.5	5.3	22.7	7.9	54.2	37.9	20.6	V
R 10-17	19	15/9	256	4.5	5.0	3.5	1.7	5.0	3.4	3.3	3.4	3.3	--	--	15.3	80.5	4.2	27.4	8.1	84.8	7.1	51.5	VF
R 10-6	19	15/9	276	4.1	4.9	3.7	1.7	5.0	3.7	3.4	3.7	3.3	3.4	2.9	18.0	79.2	2.8	20.6	9.1	82.2	8.7	40.9	VF
R 10-38	19	15/9	288	4.6	4.6	3.3	1.9	4.9	3.4	3.7	3.6	3.6	3.6	3.4	18.5	78.9	2.6	32.5	10.7	74.1	15.2	37.8	'
Acra V.F.	19(15)	15/9	294	4.2	5.0	3.6	1.5	4.9	3.3	3.4	3.3	3.3	3.0	1.5	18.7	76.9	4.4	17.1	14.5	66.9	18.6	20.9	VF

* Overall evaluation at Horticultural Products Laboratory. See Table 9 for details.

TABLE 5. PRELIMINARY PRODUCTION TRIALS - MECHANICAL HARVEST

Cultivar	Seed Source	Date of Harvest (Vineland)	No.Per 35 lbs.	Crack Resistance	Blossom End	Firmness	Stem Removal		Flesh Thickness	Internal Color	Rating		Production								Remarks
													Vineland				Simcoe				
							Pick	Flick			Flavor	Raw Fruit	Green %	Marketable %	Rotten etc.%	Marketable tons/acre	Green %	Marketable % Oct. 1-2	Rotten etc.%	Marketable tons/acre	
S 11-5	19	2/9	240	4.8	4.6	3.9	1.7	4.7	3.3	3.4	3.2	3.2	23.3	72.3	4.4	19.6	3.0	80.3	16.7	11.5	F
S 11-1	19	18/9	179	4.2	4.5	3.3	1.6	4.9	3.6	3.7	3.3	3.3	2.6	86.0	11.4	18.1	8.6	81.9	9,4	10.4	V Poor external color
S 8-8	19	18/9	165	3.7	4.5	3.3	2.6	5.0	3.9	3.9	3.6	3.7	2.7	82.3	15.0	16.9	12.7	72.8	14.5	17.4	VF
S 11-17	19	18/9	176	3.5	4.9	3.2	1.0	4.9	4.1	4.2	3.4	3.2	4.6	86.1	9.3	26.2	10.1	70.9	19.0	10.6	VF
S 9-1	19	18/9	250	4.6	4.9	4.0	0.4	4.7	3.1	3.4	3.4	3.3	4.9	81.8	13.3	18.1	18.2	74.9	6.9	21.3	VF
S 1-4	19	18/9	145	4.6	4.9	3.3	1.6	5.0	3.7	3.1	3.2	3.1	5.0	79.9	15.1	15.6	5.6	86.2	8.2	20.5	VF Flooding damage
S 8-6	19	18/9	250	5.0	5.0	3.7	2.5	5.0	3.3	3.4	3.5	3.3	6.2	74.0	19.8	18.3	12.9	79.7	7.4	32.7	VF
S 8-5	19	18/9	229	5.0	4.9	4.1	1.0	5.0	3.3	3.4	3.7	3.5	6.3	88.2	5.5	21.2	12.6	71.1	16.3	29.9	VF
S 11-8	19	18/9	187	3.9	4.5	3.4	1.5	5.0	3.2	3.5	3.4	3.1	6.7	83.7	9.6	22.9	10.1	73.4	16.5	10.7	Prominent nipple
S 8-13	19	18/9	177	3.5	4.5	3.3	0.7	4.7	3.7	3.7	3.7	3.5	7.0	80.4	12.6	23.7	11.7	75.1	13.2	12.4	V Good external color.
S 9-2	19	18/9	267	4.3	5.0	3.9	2.2	5.0	3.6	3.5	3.1	3.4	7.6	81.2	11.2	19.7	11.7	81.4	6.9	21.0	VF
S 1-1	19	18/9	181	4.4	4.2	3.5	0.5	4.7	3.7	3.2	3.5	3.3	9.5	74.9	15.6	19.8	12.5	77.8	9.7	24.5	VF, Distinct neck
S 8-14	19	18/9	215	4.1	4.2	3.8	3.0	5.0	3.5	3.8	3.6	3.6	12.0	82.4	5.6	22.5	11.2	74.9	13.9	18.2	VF, Yellow top
S 1-3	19	18/9	221	4.2	4.9	3.8	2.6	5.0	3.6	3.7	3.5	3.7	12.7	78.5	8.8	19.5	1.9	86.1	12.0	20.4	VF, Greenish skin
S 8-4	19	18/9	225	4.0	5.0	3.6	0.9	4.8	2.9	3.6	3.5	3.4	17.3	73.9	8.8	29.4	16.7	63.8	19.5	12.1	V?F?

TABLE 6. COORDINATED OBSERVATION TRIALS - HAND PICK

Vineland and Simcoe

Cultivar	Seed Source	No. Per 35 lbs.	Crack Resistance	Blossom End	Firmness	Stem Removal*		Flesh Thickness	Internal Color	Flavor*	Rating of Fruit	No. Fruit Ripe-Aug.7*	Remarks
						Pick	Flick						
V 701	19	144	3.7	3.2	3.5	0.0	3.7	3.5	3.5	3.6	3.5	13.4	
Fireball	15	134	3.2	3.0	3.2	0.5	3.5	3.5	3.2	3.4	2.7	13.0	
V 709	19	145	3.9	4.5	3.2	0.2	3.7	3.7	4.2	3.5	3.0	10.1	
Springset	23	111	2.7	4.0	2.7	0.0	3.0	3.0	3.0	3.3	2.5	10.0	
ST-13	7	146	3.7	4.7	3.2	2.0	4.7	2.7	4.2	3.4	2.5	10.1	
V 686	19	96	3.6	4.0	3.7	1.2	3.5	3.2	3.2	3.5	2.5	7.7	
V 694	19	149	4.2	3.7	2.5	0.7	4.5	3.2	3.5	3.4	2.7	7.7	
H 1350	--	123	3.0	3.7	3.2	0.2	3.7	3.2	2.7	3.3	2.0	6.2	
V 696	19	127	4.1	4.2	3.5	0.5	2.0	3.0	3.7	3.5	3.7	6.0	Sister line Veeset
Ottawa 81	6	117	4.0	2.5	3.7	1.5	4.0	3.7	2.5	3.8	3.0	5.9	
Ot. 66. 08B1A	6	190	4.5	4.2	4.0	1.5	5.0	4.0	4.7	2.6	3.2	5.5	
ST-12	7	111	3.6	4.7	3.2	2.2	4.7	2.7	4.2	3.1	2.5	5.1	
V 688	19	132	4.5	4.2	3.7	0.5	3.5	3.2	4.0	3.5	3.7	4.8	Sister line Veeset
ST-11B	7	122	3.5	4.2	2.7	2.2	5.0	4.0	3.7	3.3	2.2	4.8	
V 7010	19	119	4.6	4.2	3.2	1.0	4.5	3.5	3.0	3.6	2.7	4.6	

* Vineland only

TABLE 7. COORDINATED OBSERVATION TRIALS - MECHANICAL HARVEST

Vineland and Simcoe

Cultivar	Seed Source	No. Per 35 lbs.	Crack Resistance	Blossom End	Firmness	Stem Removal Vineland		Flesh Thickness	Internal Color	Vineland	Rating of Fruit	No. Fruit Ripe August 7 - Vineland
						Pick	Flick			Flavor		
T 24 GC	19	389	4.5	3.0	3.5	3.5	5.0	3.0	4.0	3.2	2.5	15.7
V 676	19	285	4.0	5.0	3.0	1.5	4.2	3.5	4.0	2.5	3.0	13.0
V 706	19	215	4.2	4.7	3.2	0.2	4.2	3.2	4.0	3.6	4.0	8.6
V 707	19	208	4.4	5.0	3.7	1.2	5.0	2.7	3.5	4.0	3.2	8.3
V 7011	19	252	4.7	4.7	3.2	3.2	5.0	4.1	4.0	3.4	4.0	6.8
S 11-1	19	183	4.9	3.7	3.0	1.5	5.0	4.0	3.7	3.7	4.0	6.2
V 7012	19	232	4.9	4.2	3.7	2.7	5.0	3.7	3.5	3.3	3.2	6.1
V 705	19	281	4.2	4.5	3.0	3.7	4.7	3.7	3.2	3.5	3.5	5.7
S 10-1	19	219	4.5	4.0	3.7	3.2	5.0	4.0	4.0	3.8	3.7	5.6
V 708	19	219	4.6	5.0	3.2	0.7	5.0	3.0	4.0	4.0	4.0	5.0
S 8-1	19	176	4.5	3.7	4.0	1.0	4.0	4.0	3.0	3.2	2.7	3.8
T 14 QA	19	216	4.6	4.5	4.0	1.0	5.0	3.7	3.2	2.8	3.2	3.5

TABLE 8. OBSERVATION TRIALS

Cultivar	Seed Source	No.Per 35 Lbs.	Crack Resistance	Blossom End	Firmness	Stem Removal		Flesh Thickness	Internal Color	Flavor	Rating of Fruit	No. Fruit Ripe	Remarks
						Pick	Flick						
Maturity Data Taken July 21st.													
Farthest North	19	1750	3.1	5.0	3.8	0.2	4.7	1.0	2.5	2.5	1.5	16.1	sp u^+
Beaverlodge 6801	19(4)	913	3.0	5.0	3.0	1.2	3.5	2.5	3.7	3.0	2.5	15.0	sp u^+, leather end
B.L. NRG 63156	4	875	2.6	5.0	3.1	1.0	3.5	2.0	3.5	3.2	2.4	13.8	sp u^+, seg. for yellow fruits
Beaverlodge 6802	19(4)	618	2.7	5.0	3.5	1.5	5.0	2.0	2.7	2.7	2.0	12.0	sp, seg. for u, yellow top
B.L. NRG 6827	4	600	2.9	5.0	3.0	1.2	4.7	2.0	3.5	2.0	1.9	10.9	sp, u^+,leather end
B.L. NRG 63149	4	700	3.0	5.0	4.0	0.5	4.5	2.5	3.5	2.4	2.2	9.6	sp, u^+
Beaverlodge 6804	19(4)	488	2.6	5.0	3.3	1.5	5.0	2.0	2.5	2.8	2.0	8.6	sp, u^+, leather end
Subartic Delight	19(12)	656	3.0	5.0	4.0	1.2	5.0	2.0	3.0	1.0	1.5	7.2	
Beaverlodge 6810	19(4)	389	3.1	5.0	2.9	1.0	4.0	2.0	3.2	2.5	2.3	6.6	sp, u
PI 289240	26	429	3.0	4.5	4.0	3.5	5.0	2.5	2.7	3.0	2.0	5.6	sp^+ u^+, leather end
Beaverlodge 6806-II-5	19(4)	280	2.0	5.0	3.2	1.5	4.5	2.0	3.0	2.7	2.0	5.4	sp u
V 671	19	583	1.5	4.5	3.5	1.0	4.5	3.0	3.5	2.7	2.0	3.8	sp u^+, leather end
Beaverlodge 6806	19(4)	259	4.2	5.0	4.0	1.5	5.0	3.1	2.9	2.8	3.0	3.6	sp, seg. for u
V 672	19	538	3.4	5.0	3.1	0.5	4.5	2.0	3.0	2.5	2.5	3.2	sp, u
Beaverlodge 6806-I-5	19(4)	250	3.7	5.0	3.6	1.2	5.0	2.8	2.0	2.2	2.5	2.4	sp, u
Early Tanana	21	477	3.0	5.0	3.0	1.0	4.7	1.9	1.9	3.1	2.0	1.3	sp u
Maturity Data Taken August 6th													
PI 341988	26	477	3.1	4.2	2.5	0.7	4.7	2.0	3.5	3.0	2.0	18.1	sp^+ u
Geneva 68-557	19(10)	411	3.5	4.5	3.0	2.0	5.0	3.0	3.5	3.9	3.0	17.9	sp u
Beaverlodge 6809	19(4)	214	2.5	3.5	2.0	1.5	3.7	3.5	3.5	3.7	2.4	16.9	sp u^+, leather end
Nova	19(10)	355	3.7	4.5	3.4	2.7	5.0	3.6	3.2	3.2	3.2	16.5	sp, u
V 673	19	600	2.4	5.0	4.0	0.7	5.0	2.7	3.5	3.7	3.0	16.4	sp, u^+

Cultivar	Seed Source	No. Per 35 lbs.	Crack Resistance	Blossom End	Firmness	Stem Removal		Flesh Thickness	Internal Color	Flavor	Rating of Fruit	No. Fruit Ripe	Remarks
						Pick	Flick						
					Maturity Data Taken August 6th								
P 69-38-1	16	488	5.0	3.9	3.8	2.3	5.0	3.7	3.5	2.7	2.2	6.6	sp u
M 6-5/4-2	16	130	2.0	3.5	3.4	0.2	3.2	3.5	2.5	2.9	2.0	6.4	sp u, flat fasciated, large core
V 687	19	247	3.9	3.7	3.4	1.0	4.5	4.0	4.0	4.0	3.5	6.3	sp u, variable size
V 698	19	175	3.9	3.9	3.5	1.0	3.7	4.0	4.0	3.6	3.3	6.3	sp ug
69 B 912	25	241	4.2	4.0	3.5	1.7	4.0	3.7	3.5	3.6	3.4	6.3	sp u
Ottawa 78	6	127	2.7	3.9	3.1	1.4	4.5	3.4	3.3	3.1	2.7	6.2	sp u, blotchy
V 6813	19	239	3.9	4.5	3.2	0.7	4.8	3.7	4.0	3.6	3.5	6.1	sp u
V 675	19	233	3.9	4.0	3.0	0.0	5.0	3.0	4.0	3.4	3.2	6.0	sp u, acid
69 B 45	25	437	4.0	4.7	3.6	4.5	5.0	3.7	3.8	3.6	3.1	5.9	sp u, blotch
Alaska 6438-1	19(1)	138	1.6	3.0	2.5	0.7	2.2	3.1	2.5	3.2	1.5	5.7	sp u
69 B 46	25	266	3.9	5.0	3.6	4.5	5.0	3.0	3.7	3.1	3.4	5.6	sp u
T 5981	14	284	3.7	4.5	3.6	1.0	5.0	3.1	3.5	3.1	2.5	5.6	sp u, poor ext. color, leather en
T 6006	14	388	4.2	4.0	3.2	2.0	5.0	3.0	3.1	3.1	2.0	5.6	sp u, poor ext. color,blotchy
69 B 282	25	173	4.5	4.0	3.9	4.5	5.0	3.1	3.0	3.0	2.7	5.5	sp u, blotchy
Vision	19	105	3.0	4.1	3.0	0.1	4.1	3.8	3.4	3.5	3.1	5.4	sp u
Ottawa 86	6	118	1.5	4.2	2.3	1.4	4.2	3.0	2.9	3.1	1.5	5.4	sp u
P 69-55	16	344	5.0	5.0	3.8	2.5	5.0	4.0	3.0	2.5	2.5	5.3	sp u
69 B 2	19(25)	221	3.4	4.0	3.0	1.5	5.0	3.2	3.9	3.5	2.0	5.3	sp u^{+}, severe leather end
Veeset	19	131	3.9	3.2	3.7	0.2	4.5	3.5	4.0	3.0	3.2	5.2	sp ug, some blotch,leather end
V 697	19	184	3.4	4.0	3.5	1.0	4.0	3.5	3.9	3.9	3.3	5.2	sp u, slight blotch
Ot. 67.08 C1A	6	121	3.2	3.8	2.0	0.7	4.1	3.5	3.7	3.2	2.6	5.2	sp u
Parker	19(25)	362	4.2	4.9	3.7	2.5	5.0	3.9	3.4	3.0	3.1	5.2	sp u
Fla. 1339-D3-S1-D1	19(24)	152	3.0	3.0	4.0	3.5	5.0	3.9	3.4	2.4	2.6	5.0	sp u^{+} j, some blotch
69 D 24	25	269	3.9	3.5	4.0	1.0	5.0	3.2	3.9	3.5	3.4	4.9	sp u, bushy plant, good aroma
Crimson Sprinter	12	144	1.9	3.6	2.5	0.5	4.5	3.1	4.0	3.5	2.0	4.8	sp^{+} u, crimson color

Nova	10	298	4.6	4.3	3.8	1.9	5.0	4.0	4.0	3.2	3.5	15.0	sp u
B.L. 6808-I-4	19(4)	186	2.5	3.7	2.5	0.7	3.7	3.5	3.0	3.0	2.6	14.9	sp u
B.L. 6808-II-5	19(4)	151	2.5	2.4	2.5	0.2	4.2	3.5	3.0	3.2	2.5	13.0	sp u
Maliukta	19(6)	447	4.5	4.5	3.5	3.5	5.0	3.0	3.2	2.9	2.0	12.8	sp u^{+}, leather end, blotch
K 65-11	5	178	2.4	3.9	3.2	0.7	4.5	3.2	3.5	3.8	2.0	12.6	sp u
Ottawa 88	6	172	2.2	4.3	2.6	0.7	4.8	3.0	2.2	2.8	2.1	12.6	sp u
Swift	19(20)	212	3.0	3.9	2.4	0.7	4.5	3.0	3.0	3.0	2.5	12.2	sp u
Springset V.F.	22	124	1.7	3.0	2.0	0.2	4.2	3.4	3.9	3.6	2.0	12.2	sp u
V 676	19	266	4.4	4.5	3.1	2.0	5.0	4.0	4.0	2.5	3.2	11.0	sp u
Beaverlodge 6808-I-3	19(4)	196	2.5	4.0	2.6	0.2	4.0	3.2	3.7	3.2	2.6	10.8	sp u^{+}, leather end
B.V. 132-2300	18	150	2.9	3.0	3.1	2.0	4.0	3.1	2.9	3.0	2.4	10.8	sp u, leather end
P.I. 341984	26	350	1.5	2.0	2.0	1.2	5.0	2.0	2.5	3.7	1.7	10.1	sp^{+} u aromatic, sweet
Sunset	19(9)	133	2.5	3.2	3.0	0.7	4.8	3.5	3.4	3.7	2.4	8.8	sp u
K 64-17	5	136	2.8	3.2	2.1	0.2	4.5	3.4	3.0	3.3	2.1	8.8	sp u
Cornell 8640	27	137	3.1	3.7	3.0	0.2	4.2	3.6	3.0	3.0	2.2	8.2	sp u
T 6025	14	356	4.0	3.7	3.5	3.0	5.0	3.4	3.5	3.0	2.0	8.1	sp, u, yellow top
Geneva 149-69	10	231	2.7	4.2	3.2	3.0	5.0	3.0	3.6	2,9	2.7	8.0	sp u
B.V. 132-2301	18	135	2.1	3.1	3.1	1.7	4.8	3.2	2.5	3.2	2.0	8.0	sp u
Gamad 54	16	437	4.7	4.5	3.9	2.7	5.0	4.0	3.5	3.3	3.0	7.9	sp u, acid
Tuckswood	19	339	2.5	3.7	3.2	1.7	5.0	1.0	1.7	3.2	1.5	7.8	sp^{+} u^{+}
P 69-49	16	437	4.5	5.0	3.7	2.7	5.0	4.0	3.5	3.1	3.1	7.8	sp u
69 B 47	19(25)	226	3.5	4.0	3.6	1.0	4.8	3.8	3.5	3.4	3.4	7.7	sp ug, Red jelly
OT 66.03 A1A	6	201	3.3	4.3	3.2	0.8	4.6	3.2	3.9	3.3	3.4	7.6	sp u
69 B 913	25	273	4.2	4.0	3.4	1.5	4.8	3.7	3.2	4.0	3.2	7.6	sp u, blotch
Ventura	22	300	4.5	4.7	3.6	1.0	5.0	4.0	3.2	3.3	3.5	7.5	sp u
69B890 = 68B134	25	212	3.6	3.9	3.3	0.7	4.8	3.4	3.4	3.6	3.1	7.5	sp ug
69 B 36	25	210	3.7	3.7	3.8	1.5	4.8	3.7	4.0	2.9	3.9	7.4	sp ug, Red jelly
V 684	19	284	4.4	4.5	3.4	0.5	4.5	3.2	3.7	4.0	3.2	7.3	sp ug, leather end
V 6813	19	216	4.0	4.0	3.6	1.0	4.8	4.0	4.0	3.6	3.6	6.8	sp u
R 10-4	19	304	4.1	4.0	3.2	2.0	5.0	4.0	3.6	3.0	3.4	6.8	sp u

Preservation Trial, Table 8 Con't.

Cultivar	Seed Source	No. Per 35 Lbs.	Crack Resistance	Blossom End	Firmness	Stem Removal		Flesh Thickness	Internal Color	Flavor	Rating of Fruit	No. Fruit Ripe	Remarks
						Pick	Flick						
Maturity Data Taken August 6th													
Hybrid 662	22	104	2.9	3.2	3.3	0.7	3.7	3.8	2.9	3.1	2.4	2.3	sp u
Best of All	19	228	2.0	3.0	2.9	1.5	5.0	2.2	2.2	3.4	1.5	1.7	sp^{+} u^{+} leather end, seg. for yellow
ST-8A	7	171	2.9	3.0	3.5	1.2	4.7	3.8	3.7	3.7	3.4	1.7	sp u^{+}
PI 303798 Tomango	26	102	4.0	3.7	2.5	4.0	5.0	3.0	2.5	3.0	2.0	1.1	sp^{+} u^{+} Ribbed paste, puffy sweet, good aroma, very low acid
Maturity Data Taken August 26													
Maincrop Pink	19	560	3.0	3.0	3.2	1.0	4.0	3.5	2.8	4.0	2.0	3.0	sp^{+} u^{+} sweet, leather end
High Crimson, # 14	7	109	3.2	2.7	2.9	0.2	2.7	3.5	4.0	3.3	2.5	2.0	sp^{+} u^{+} leather end, crimson
Italian Beefsteak	19	54	2.5	1.2	3.2	2.0	3.0	4.2	3.9	3.7	2.0	0.5	sp^{+} u^{+} rough, sweet

Hybrid 657	22	98	2.4	3.7	3.1	1.0	4.0	3.5	2.7	3.3	2.0	4.8	sp u+, leather end
Ottawa 69	6	124	2.6	4.0	2.6	0.4	3.6	3.5	3.6	3.2	2.9	4.8	sp u
V 693	19	228	4.0	4.5	3.9	1.7	4.8	3.4	3.8	3.8	3.9	4.7	sp u, stems pull out
V.F. Castlemor	19(2)	208	3.4	4.5	3.6	3.0	5.0	2.9	3.4	3.0	2.3	4.6	sp u+, leather end
V 686	19	104	3.1	4.4	3.3	0.4	4.1	3.8	3.5	3.3	3.2	4.5	sp u
R 9-3	19	296	4.5	4.5	2.7	2.2	5.0	4.0	3.6	3.0	3.5	4.5	sp u
69 B 28	25	437	4.7	5.0	3.2	4.0	5.0	4.0	3.0	3.0	2.9	4.5	sp u
69 B 278	25	189	4.0	3.8	3.7	4.2	5.0	4.0	3.0	3.2	2.5	4.5	sp u j, yellowish flesh
V 685	19	118	3.2	4.3	3.3	0.7	4.2	3.6	3.4	3.3	3.2	4.4	sp u
Kenmore	5	200	3.3	4.0	2.0	4.5	5.0	2.8	2.5	4.0	2.0	4.4	sp u j_2, sweet
Ottawa 72	6	143	2.2	3.2	2.9	2.0	5.0	3.2	3.1	3.0	2.0	4.3	sp u
Pa 26.66	11	176	2.9	3.0	3.5	1.0	3.7	3.6	3.0	3.4	2.5	4.1	sp u
M 6-16/15-1	16	137	2.6	3.6	3.7	1.0	2.7	3.5	2.0	3.0	2.0	4.0	sp u+, heavy core
69 B 6	25	266	3.9	4.5	3.0	0.5	4.2	2.8	2.9	3.2	2.2	3.8	sp u, erect plants,acid flavor
Pa 10.66	11	147	2.8	4.2	3.0	1.2	5.0	3.5	3.2	3.9	2.9	3.6	sp u,very attractive,for fresh market
Pa 24.66	11	176	2.5	3.5	3.7	2.7	5.0	3.4	2.6	2.8	2.8	3.6	sp u
S 66 B-43	7	250	3.7	3.5	3.7	1.0	5.0	3.5	4.0	3.0	2.7	3.6	sp u, blotch
T 5958	14	356	5.0	4.0	3.6	4.0	5.0	4.0	3.6	3.6	3.4	3.6	sp u
Viceroy	19	92	3.0	3.0	2.4	0.5	3.2	4.0	3.1	4.0	2.6	3.4	sp+ u
Hybrid 6320	22	132	3.4	4.2	3.3	1.0	4.2	3.3	2.7	3.5	2.8	3.4	sp u
Dwarf Italian	19(8)	437	5.0	4.7	3.5	2.7	5.0	4.0	3.8	3.2	2.5	3.4	sp u, acid flavor
69 B 22	25	174	4.2	4.5	3.1	0.2	4.5	3.2	2.9	3.6	2.9	3.2	sp u
D.L.	13	132	2.0	3.9	3.2	1.0	3.2	3.9	2.4	3.2	2.0	3.1	sp+ u+ severe leather end, blotchy
ST-11	7	145	3.5	4.1	3.7	1.0	5.0	3.7	4.0	3.5	3.7	3.0	sp u,some blotch
Campbell 17	19(3)	153	3.6	4.0	3.0	0.7	4.5	3.5	3.0	3.7	2.5	2.9	sp ug, blotch
Kannato	7	132	2.2	4.0	3.0	0.5	5.0	3.0	3.5	3.2	2.0	2.8	sp+ ug, attractive, crimson
Birds nest 105-2-3-E	19	193	2.9	3.8	3.1	0.7	3.7	3.5	2.5	3.7	2.2	2.7	sp u
Campbell 19	19(3)	109	3.6	3.0	3.2	0.2	2.7	3.9	3.4	3.4	3.2	2.4	sp ug,some blotch
Up to Date	19	420	2.2	5.0	2.6	4.2	5.0	2.0	2.5	3.2	1.5	2.4	sp+ u+

TABLE 9. PROCESSING TRIALS - HORTICULTURAL PRODUCTS LABORATORY

Variety	Appearance	Color	Texture	Flavor	Overall Rating
WHOLE PACK - ROUND TYPES					
ST-11	3.8	2.8	3.4	3.4	3.4
V 686-C	3.6	3.4	2.8	3.0	3.2
ST-12	3.0	3.2	2.8	3.6	3.2
V 686-E	3.6	3.2	3.4	2.4	3.2
Vision	3.0	3.0	3.2	3.2	3.1
Fireball	2.8	3.4	2.8	3.2	3.1
V 685	3.0	3.0	3.0	2.8	3.0
V 7010	2.8	2.6	2.2	3.0	2.7
V 709	2.6	2.8	2.6	2.6	2.6
Ottawa 81	3.2	1.8	2.6	2.2	2.5
V 701	2.0	1.4	2.8	3.4	2.4
Q 7-7	2.4	2.8	2.2	2.2	2.4
Veeset	2.6	2.2	2.0	2.8	2.4
V 686 A	1.8	1.8	2.2	2.4	2.2
WHOLE PACK - ELONGATE TYPES					
R 14-9	4.2	3.8	4.0	3.4	3.9
R 10-33	4.4	4.4	3.0	3.4	3.8
V 6812	3.6	3.4	3.6	4.0	3.7
Chico III	3.8	4.4	2.4	3.2	3.5
R 10-38	3.8	3.6	2.8	3.2	3.4
N 11-1	3.0	4.0	2.6	3.6	3.3
R 15-3	3.0	3.6	2.8	3.8	3.3
V 707	3.6	3.8	2.6	2.8	3.2
V 708	4.0	3.4	2.6	2.8	3.2
V 7011	3.6	2.8	3.4	3.0	3.2
V 697	3.4	3.6	2.6	2.8	3.1
V 704	3.4	3.4	2.0	3.2	3.0
N 16-4	3.6	4.2	2.4	1.4	2.9
V 705	3.0	3.2	2.6	2.8	2.9
R 10-6	2.6	3.0	2.8	3.2	2.9
V 706	2.4	3.6	2.6	2.6	2.8
H 1783	2.0	3.2	3.0	3.0	2.8
V 684	2.8	2.8	2.8	2.6	2.8
V 702	1.6	2.2	2.2	3.2	2.3
Roma VF	1.0	1.2	1.3	2.2	1.5

Variety	Color	Thickness	Flavor	Overall Rating
JUICE - ROUND TYPES				
V 686 E	3.6	4.0	3.6	3.7
Veeset	4.0	4.4	2.8	3.7
V 686 C	3.6	4.0	3.4	3.7
Q 7-7	3.8	4.2	2.4	3.5
V 686 A	3.0	4.0	3.2	3.4
ST-12	4.0	3.0	3.0	3.3
V 7010	3.4	3.4	3.2	3.3
ST-11	3.8	2.4	3.4	3.2
V 685	3.4	3.6	2.6	3.2
Fireball	4.0	2.6	3.0	3.2
V 701	3.2	2.6	2.8	2.9
Vision	3.0	2.8	2.6	2.8
V 709	3.8	2.8	1.2	2.6
Ottawa 81	2.8	2.0	1.2	2.0
JUICE - ELONGATE TYPES				
R10-33	4.0	3.8	4.2	4.0
V 704	4.2	4.0	3.2	3.8
R 15-3	5.0	3.0	3.4	3.8
Chico III	3.2	4.0	3.8	3.7
R 10-38	4.2	3.6	3.0	3.6
V 702	4.0	3.8	3.0	3.6
N 11-1	3.6	3.6	3.4	3.5
V 697	3.4	4.0	3.2	3.5
V 707	3.6	3.4	3.4	3.5
V 705	3.0	3.6	3.8	3.5
V 684	4.0	2.8	3.4	3.4
R 10-6	3.2	3.8	3.2	3.4
R 14-9	4.0	3.0	2.8	3.3
V 6812	3.6	2.8	3.2	3.2
N 16-4	4.0	2.8	2.8	3.2
H 1783	3.8	3.0	2.8	3.2
V 708	3.2	3.4	3.0	3.2
V 7011	3.6	3.0	2.8	3.1
Roma VF	3.0	3.0	3.0	3.0
V 706	3.0	2.6	3.0	2.9

F. Market

Swift

N. Yorker

Fireball VR

Early Bird

Maritimer

Processing

Velset

C1327

H1350

Jet Star

Vision – open foliage
– cold germinating

No seed source of C28

Paste Tomato

H1706

Chico III

Roma VF