Vegetable Production Research Report - 2001

Beets, Pickling Cucumber and Peppers

John O'Sullivan
Sheryl Lonsbary
Robert Grohs

Department of Plant Agriculture
University of Guelph
Simcoe, Ontario



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Introduction

This report summarizes pickling cucumber, pepper and beet trials conducted at the Department of Plant Agriculture, University of Guelph, Simcoe in 2001. Additional copies of this report or more detailed information on any particular experiment can be obtained by contacting the Department of Plant Agriculture at Simcoe.

Note: Yields presented in this report are for comparative purposes only. Small plot yields may not accurately reflect commercial yields.

Acknowledgments

- 1. We wish to express our sincere thanks to the cooperating seed companies and Bick's Pickles who provided seed and monetary assistance for these cultivar trials. We also acknowledge funding from the Ontario Processing Vegetable Growers and the Agricultural Adaptation Council- Safety Net R + D Fund.
- 2. Assistance from Vic Hamm with our machine harvested trial is greatly appreciated.
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J. O'Sullivan, S. Lonsbary, and R. Grohs. Department of Plant Agriculture University of Guelph Simcoe, Ontario, N3Y 4N5

Tel: 519-426-7127 Fax: 519-426-1225

Cultural Information

Beets

This trial was conducted on loamy fine sand. Beets were seeded with Almaco cone seeders attached to a John Deere MaxEmerge precision seeder and hand thinned to give an in-row spacing of 2". Beets were harvested on September 13 and October 14. They were graded by size, counted and weighed for yield results.

Pickling Cucumber

Pickling cucumber cultivar trials were evaluated at the University of Guelph, Simcoe in 2001. Hand-picked trials and the Once-over trial were conducted on loamy fine sand. The Hand-picked cucumbers were seeded with Almaco cone seeders attached to a John Deere MaxEmerge precision seeder and hand-thinned to give an in-row spacing of 6". The Once-over trial was seeded using the Almaco seeders attached to the John Deere MaxEmerge seeder and then thinned to give an in-row spacing of 4". Cultural practices throughout the season were carried out according to recommended procedures and the cucumber beetles were kept under control with timely sprays of insecticide. Plots were harvested 6 times in the multipick hand harvest trials. The once-over trial was harvested by hand to simulate machine harvest.

Fruit was graded by size, counted, weighed, fresh quality was evaluated and a sample of each cultivar was placed in brine. Brining of fruit was carried out in 225 litre barrels with air purging for 2 weeks. Tanks were topped with brine and sealed until evaluation. A panel of cucumber industry personnel rated the brined cultivars.

Peppers

All trials were conducted on loamy sand. Peppers were established in the field from transplants raised in the greenhouse (128 cell). The plants were transplanted 18" apart, using a RJV600 planter, with rows 40" apart. Detailed cultural information on each experiment is presented with the yield data. The plants in all trials were relatively free from insects. Fruit number refers to the average number of fruit per plant.

Beet Cultivar Observation Trial, Early Harvest, Simcoe, 2001

					Yield	(T/Ac)				
		Grades (cm)								
		Under	1	2	3	4	OS	Total*	Defect/	
Cultivar	Source	(< 2.5)	(25-41)	(4.1 - 6 3)	(6.3-76)	(76 - 95)	(9.5>)		Decay**	
Detroit Dark Red Short Top	Petoseed	0.0	0.6	7.6	0.5	14.7	0.0	23.3	5.6	
Scarlet Supreme	Petoseed	0.1	0.7	8.5	0.4	11.8	1.6	23.0	1.0	
Krestal	Norseco	0.0	0.6	7.9	0.5	12.7	0.0	21.7	8.0	
Detroit Red Ace	Christianson	0.0	0.6	7.3	0.5	11.0	0.0	19.4	0.0	
Red Ace	Christianson	0.0	0.4	10.7	0.4	6.8	0.0	18.3	2.4	
Sangraria	Petoseed	0.0	0.2	4.1	0.7	13.0	0.0	18.0	8.0	
Ruby Queen	Petoseed	0.1	0.2	5.1	0.7	11.7	0.0	17.7	1.8	
PS 2189	Petoseed	0.0	0.7	7.6	0.8	6.7	0.0	15.8	1.6	
Detroit Dark Red Medium Top	Petoseed	0.1	0.5	9.0	0.8	5.2	0.0	15.6	7.4	
A95938	Christianson	0.1	1.0	6.9	0.6	5.9	0.0	14.5	0.0	
Soil Type	: Loamy Fine Sa	and		F	ertilizer	:	400 kg/			
Soil pH	: 6.0				a ala ta talla		of 10-1			
Seeding Date Rows	: June 5				erbicide arvested		•	in 3.5 I/A	/C	
In-row Spacing	: 0.50 m : 5cm			П	arvested	. '	Septem	inei 13		
Plant Population	: 161,900/Ac									

^{*}Yields are for comparative purposes only. Small plot yields may not accurately reflect commercial yields.

^{**}A percentage of beets in the **Defect/Decay** category can be used for processing.

Beet Cultivar Observation Trial, Late Harvest, Simcoe, 2001

	Yield (T/Ac)								
				Grade	es (cm)				
	Under	1	2	3	4	OS	Total*	Defect/	
Source	(< 2.5)	(2.5 - 4.1)	(4.1 - 6.3)	(63-76)	(7.6 - 9.5)	(9.5 >)		Decay**	
Petoseed	0.0	0.1	3.9	8.6	24.7	1.9	39.1	1.4	
Petoseed	0.0	0.5	4.1	7.0	18.1	4.5	34.2	4.0	
Christianson	0.0	0.1	3.7	8.9	20.5	0.0	33.3	1.4	
Norseco	0.0	0.6	8.0	4.7	17.3	1.8	32.5	0.2	
Christianson	0.0	0.7	5.3	4.7	18.8	2.9	32.4	1.6	
Petoseed	0.0	0.4	4.4	9.6	14.1	1.8	30.4	2.6	
Petoseed	0.0	0.0	4.2	9.9	14.8	1.4	30.0	3.0	
Christianson	0.0	0.1	7.3	5.9	15.7	0.0	29.0	2.6	
Petoseed	0.0	0.4	6.2	7.2	10.3	1.8	25.9	5.1	
Petoseed	0.0	0.5	5.3	7.5	11.2	0.0	24.6	3.3	
: Loamy Fine Sa	and	·	F	ertilizer	:	400 kg/	/Ac		
: 6.0									
						•		Ac	
			H	arvested	1 :	Octobe	er 14		
	Petoseed Petoseed Christianson Norseco Christianson Petoseed Petoseed Christianson Petoseed Christianson Petoseed Petoseed : Loamy Fine Sa	Petoseed 0.0 Petoseed 0.0 Christianson 0.0 Christianson 0.0 Petoseed 0.0 Petoseed 0.0 Petoseed 0.0 Christianson 0.0 Petoseed 0.0 Christianson 0.0 : Loamy Fine Sand: 6.0: June 5: 0.50 m: 5 cm	Source (< 2.5) (2.5 - 4.1) Petoseed 0.0 0.1 Petoseed 0.0 0.5 Christianson 0.0 0.1 Norseco 0.0 0.6 Christianson 0.0 0.7 Petoseed 0.0 0.4 Petoseed 0.0 0.1 Petoseed 0.0 0.4 Petoseed 0.0 0.5 : Loamy Fine Sand : 6.0 : June 5 : 0.50 m : 5 cm	Source (< 2.5) (2.5 - 4.1) (4.1 - 6.3) Petoseed 0.0 0.1 3.9 Petoseed 0.0 0.5 4.1 Christianson 0.0 0.1 3.7 Norseco 0.0 0.6 8.0 Christianson 0.0 0.7 5.3 Petoseed 0.0 0.4 4.4 Petoseed 0.0 0.0 4.2 Christianson 0.0 0.1 7.3 Petoseed 0.0 0.4 6.2 Petoseed 0.0 0.5 5.3 : Loamy Fine Sand : 6.0 : June 5 H : 5 c m : 5 c m H	Norseco	Grades (cm) Under Source 1 2 3 4 Petoseed 0.0 0.1 3.9 8.6 24.7 Petoseed 0.0 0.5 4.1 7.0 18.1 Christianson 0.0 0.1 3.7 8.9 20.5 Norseco 0.0 0.6 8.0 4.7 17.3 Christianson 0.0 0.7 5.3 4.7 18.8 Petoseed 0.0 0.4 4.4 9.6 14.1 Petoseed 0.0 0.0 4.2 9.9 14.8 Christianson 0.0 0.1 7.3 5.9 15.7 Petoseed 0.0 0.4 6.2 7.2 10.3 Petoseed 0.0 0.4 6.2 7.2 10.3 Petoseed 0.0 0.5 5.3 7.5 11.2 : Loamy Fine Sand Fertilizer : : Loamy Fine Sand	Grades (cm) Under Source 1 2 3 4 OS Petoseed 0.0 0.1 3.9 8.6 24.7 1.9 Petoseed 0.0 0.5 4.1 7.0 18.1 4.5 Christianson 0.0 0.1 3.7 8.9 20.5 0.0 Norseco 0.0 0.6 8.0 4.7 17.3 1.8 Christianson 0.0 0.7 5.3 4.7 18.8 2.9 Petoseed 0.0 0.4 4.4 9.6 14.1 1.8 Petoseed 0.0 0.0 4.2 9.9 14.8 1.4 Christianson 0.0 0.1 7.3 5.9 15.7 0.0 Petoseed 0.0 0.4 6.2 7.2 10.3 1.8 Petoseed 0.0 0.4 6.2 7.2 10.3 1.8 Petoseed 0.0 0.5 5.3 <	Note	

[&]quot;Yields are for comparative purposes only. Small plot yields may not accurately reflect commercial yields.

^{**}A percentage of beets in the Defect/Decay category can be used for processing.

Fresh Quality Evalutation of Pickling Cucumbers

1 = very vigorous **Vine Vigor (1-5)**: **2** = vigorous 3 = medium4 = short**5** = very short **External Quality** Blossom End (1-5): 1 = blunt5 = tapered1 = bluntShoulder (1-5): 5 = taperedRidging & Spines (1-5): 1 = distinct warts and spines (most acceptable) **2-5** = ridges and spines too prominent or too smooth (less acceptable) 1 = medium light green Colour (1-5): (most acceptable) **2-5** = paler or darker green (less acceptable) **Internal Quality** 1 = smallSeed cavity size (1-5): **5** = large 1 = smallSeed size (1-5) **5** = large

Carpel Separation (0-10)

0 = no fruit with separation

10 = all fruit with separation

Yields of Cucumbers From Advanced Multipick Trial, Simcoe, 2001

		L:D	Yield*"			
		Ratio	T//	Ac		\$/Ac
Cultivar	Source	3 A 's	Early*	Total	Early*	Total
Pik-Rite	Harris Moran	2.7	5.3	12.5	1,193	2,873
Jackson C	Sun Seeds	3.0	4.1	11.8	933	2,796
Vlasstar B	Asgrow	2.7	5.4	12.2	1,285	2,731
Eclipse	Harris Moran	2.8	5.4	11.0	1,244	2,575
Patton Supreme	Sun Seeds	2.8	4.7	10.4	1,087	2,423
Patton C	Sun Seeds	2.8	3.3	9.3	829	2,270
Vlasset B	Asgrow	2.7	3.1	9.3	780	2,246
XP 1903 T	Asgrow	2.7	4.1	9.9	997	2,236
Endeavour	Asgrow	2.7	4.1	10.3	875	2,159
Fancipak M	Asgrow	2.9	2.1	8.4	496	1,996
Flurry M	Asgrow	2.9	3.3	9.1	787	1,941
Jackson Supreme	Sun Seeds	2.6	3.4	7.7	773	1,845
Duke	Harris Moran	2.6	3.6	8.9	678	1,804
Picklet B	Asgrow	2.5	2.9	6.9	664	1,581
Soil Type	: Loamy Fine Sa	nd	Plant popu	lation	: 18,000 pla	
Soil pH	: 5.80 : May 30		Fertilizer Herbicide		•	of 10-10-10
Seeding Date Plot Size	. May 30 : 5' x 30'		пеникие		: Alanap @ Poas ţ @ 2	
Rows	: 5'		Harvest Da	ates	: July 23 - A	
Plants	: 6"				-	-

^{*} Yield to July 26, 2001 (2 harvests).

^{**} Yields are for comparative purposes only. Small plot yields may not accurately reflect commercial yields. Note: Oversize are not included in yield data.

Fresh Quality Evaluation of Pickling Cucumber Cultivars Advanced Multipick Trial - Simcoe, 2001

Cultivar	Source	Vine Vigor (1-5)	Blossom- end (1-5)	Shoulder (1-5)	Ridging & Spines (1-5)	Colour (1-5)	Seed Cavity (1-5)	Seed Size (1-5)	Carpel Separation (0-10)
Pik-Rite	Harris Moran	3.5	2.5	2.5	2.5	2.5	2.0	2.0	5.0
Jackson C	Sun Seeds	2.8	3.0	3.0	2.5	3.0	2.5	3.0	0.0
Vlasstar B	Asgrow	3.2	3.0	3.0	2.5	2.5	2.0	2.0	1.0
Eclipse	Harris Moran	3.3	3.0	3.0	2.5	2.5	2.5	2.5	1.0
Patton Supreme	Sun Seeds	3.0	2.5	3.0	2.5	2.5	2.5	2.0	1.0
Patton C	Sun Seeds	3.2	2.0	2.5	2.0	2.0	2.0	2.0	1.0
Vlasset B	Asgrow	3.0	2.0	2.0	2.5	2.5	2.0	2.0	1.0
XP 1903 T	Asgrow	3.2	3.0	3.0	3.0	2.5	2.0	3.0	0.0
Endeavour	Asgrow	3.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Fancipak M	Asgrow	2.6	3.0	3.0	3.0	2.0	3.0	2.0	1.0
Flurry M	Asgrow	3.2	3.0	3.0	2.0	2.0	2.0	2.5	1.0
Jackson Supreme	Sun Seeds	3.3	3.0	3.0	3.0	3.0	2.5	3.0	1.0
Duke	Harris Moran	3.5	2.5	2.5	2.5	2.5	2.5	2.0	2.0
Picklet B	Asgrow	2.8	3.0	3.0	2.5	2.5	2.5	3.0	0.0

Yields of Cucumbers From Main Multipick Trial, Simcoe, 2001

		L:D	Yield**				
		Ratio	T/A	√ c	(\$/Ac	
Cultivar	Source	3 A 's	Early*	Total	Early*	Total	
HMX 0467	Harris Moran	2.8	4.1	9.9	1,014	2,448	
BJ99-3986	Bejo	2.8	4.2	10.1	967	2,389	
SQRP 2734	Sun Seeds	2.8	3.8	9.3	983	2,348	
BJ99-3984	Bejo	2.8	4.8	9.9	1,041	2,266	
Atlantis F1	Bejo	2.7	4.0	9.7	975	2,263	
HMX 0468	Harris Moran	2.9	2.8	9.1	680	2,217	
Akord F1	Bejo	2.7	4.5	9.6	944	2,160	
HMX 0470	Harris Moran	3.0	3.4	8.4	838	2,068	
Amstel F I	Bejo	3.1	2.9	8.3	685	2,061	
Alibi F1	Bejo	2.6	3.7	9.6	805	2,047	
BJ99-3981	Bejo	2.5	4.1	8.8	901	1,992	
Palomino (EX 1911)	Asgrow	2.8	1.2	7.8	343	1,889	
Arabian O (XP 1914)	Asgrow	2.8	1.0	6.4	299	1,628	
BJ99-3987	Bejo	2.5	2.4	6.1	649	1,623	
Colt O (XP 1913)	Asgrow	2.9	1.5	6.7	420	1,618	
BJ99-3983	Bejo	2.6	2.9	6.8	700	1,579	
Asterix F1	Bejo	2.5	2.0	6.5	489	1,530	
Stallion O (PS 14692)	Asgrow	3.0	3.4	6:4	744	1,457	
HMX 0469	Harris Moran	2.9	2.4	5.8	572	1,408	
Soil Type Soil pH	: Loamy Fine Sar : 5.8	nd	Plant popul Fertilizer	lation	: 18,000 plants/Ac : 400 kg/Ac of 10-10-10		
Seeding Date	: May 30		Herbicide		: Alanap @		
Plot Size	: 5' x 30'		-		Poast@2	.7 Uha	
Rows	: 5'		Harvest Da	ites	: July 23 - A	ugust 20	
Plants	: 6"						

[•] Yield to July 26, 2001 (2 harvests).

^{**} Yields are for comparative purposes only. Small plot yields may not accurately reflect commercial yields. Note: Oversize are not included in yield data.

Fresh Quality Evaluation of Pickling Cucumber Cultivars Main Multipick Trial - Simcoe, 2001

Cultivar	Source	Vine Vigor (1-5)	Blossom- end (1-5)	Shoulder (1-5)	Ridging & Spines (1-5)	Colour (1-5)	Seed Cavity (1-5)	Seed Size (1-5)	Carpel Separation (0-10)
HMX 0467	Hams Moran	3.3	2.5	2.5	2.5	2.5	2.5	2.5	1.0
BJ99-3986	Bejo	3.5	3.0	3.0	2.5	2.5	2.0	2.0	2.0
SQRP 2734	Sun Seeds	3.3	2.5	2.5	3.0	3.0	2.5	3.0	4.0
BJ99-3984	Bejo	3.8	2.0	3.0	3.0	2.5	2.5	2.5	1.0
Atlantis F1	Bejo	3.6	2.0	2.0	2.5	2.5	2.5	2.5	2.0
HMX 0468	Hams Moran	3.5	3.0	3.0	2.5	2.5	2.5	2.0	1.0
Akord F1	Bejo	3.3	2.5	2.5	3.0	2.0	2.5	2.0	3.0
HMX 0470	Hams Moran	3.2	2.0	2.0	2.5	3.0	2.5	2.0	0.0
Amstel F1	Bejo	3.0	3.0	3.0	3.0	2.0	2.5	2.0	4.0
Alibi F1	Bejo	3.8	2.5	2.5	2.5	2.5	3.0	3.0	1.0
BJ99-3981	Bejo	3.8	3.0	3.0	2.5	3.0	3.0	3.0	2.0
Palomino	Asgrow	3.8	2.5	2.5	2.0	2.0	2.5	2.5	0.0
Arabian O	Asgrow	3.6	2.0	2.0	2.0	2.0	2.5	2.0	1.0
BJ99-3987	Bejo	3.6	2.0	2.0	3.0	3.0	2.5	2.0	2.0
Colt O	Asgrow	3.3	2.0	2.0	2.0	2.5	2.0	2.0	6.0
BJ99-3983	Bejo	3.5	3.0	3.0	2.5	3.0	2.5	2.0	2.0
Asterix F1	Bejo	4.0	2.0	2.5	3.0	2.0	2.5	3.0	4.0
Stallion O	Asgrow	3.5	3.0	3.0	2.5	2.0	3.0	2.5	1.0
HMX 0469	Hams Moran	2.2	3.0	3.0	3.0	2.0	2.5	2.0	0.0

Yields of Cucumbers From Simulated Once-over Machine Harvest Trial #1, Simcoe, 2001

		Yield*					
		Grade	es 1 - 3	Grade	es 1 - 4		
Cultivar	Source	T/Ac	\$/Ac	T/Ac	\$/Ac		
ASR 04564229	Asgrow	6.5	1,293	8.2	1,388		
Lafayette Supreme	Sun Seeds	5.4	1,117	6.9	1,202		
Vlaspik M	Asgrow	4.9	1,052	6.2	1,124		
SQR 1882 Classic	Sun Seeds	4.8	996	6.7	1,099		
Lafayette C	Sun Seeds	4.8	1,008	6.4	1,095		
SQRP 2608	Sun Seeds	4.5	934	5.3	976		
Stallion O (PS 14692)	Asgrow	3.5	728	5.6	840		
MacArthur Supreme	Sun Seeds	3.0	703	4.2	766		
Royal	Harris Moran	3.1	655	4.7	740		
Atlantis	Harris Moran	2.8	591	4.0	656		
Palomino O (EX 1911)	Asgrow	1.4	404	1.6	415		
Soil Tupo	. Loomy Fine Sand	Plant papula	ation	. 50 000 plant	ς/Λ ₀		
Soil Type Soil pH	: Loamy Fine Sand : 6.5	Plant popula Fertilizer	ZUUI I	: 58,000 plant : 400 kg/Ac			
Seeding Date	: June 28	Herbicide		: Alanap @ 15			
Plot Size	: 28" x 30'	Harvest Dat	e	: August 14			
Rows	: 28"						
Plants	: 4"						

^{*}Yields are for comparative purposes only. Small plot yields may not accurately reflect commercial yields. Note: Oversize, nubs and crooks are not included in yield data.

Yields of Cucumbers From Simulated Once-over Machine Harvest Trial #1, Simcoe, 2001 (Continued)

	. 5		
	L:D	L:D	%
	Ratio	Ratio	Oversize
Source	1B's	3 A's	(by wt.)
Asgrow	3.4	2.8	27
Sun Seeds	2.9	2.8	19
Asgrow	3.0	2.8	28
Sun Seeds	3.1	2.7	38
Sun Seeds	2.9	2.7	21
Sun Seeds	3.0	2.6	12
Asgrow	2.9	2.9	55
Sun Seeds	2.9	2.6	17
Harris Moran	3.5	2.6	. 29
Harris Moran	2.9	2.9	42
Asgrow	3.2	2.5	0
: Loamy Fine Sand	Plant population		3,000 plants/Ac
: 6.5	Fertilizer		00 kg/Ac of 10-10-10
			lanap @ 15 Uha
	Harvest Date	: A	ugust 14
	Asgrow Sun Seeds Asgrow Sun Seeds Sun Seeds Sun Seeds Asgrow Sun Seeds Harris Moran Harris Moran Asgrow : Loamy Fine Sand	Asgrow Sun Seeds Asgrow Sun Seeds Asgrow 3.0 Sun Seeds 3.1 Sun Seeds 2.9 Sun Seeds 3.0 Asgrow 2.9 Sun Seeds 2.9 Sun Seeds 3.0 Asgrow 2.9 Sun Seeds 2.9 Harris Moran 3.5 Harris Moran 3.5 Harris Moran Asgrow 3.2 : Loamy Fine Sand : 6.5 : June 28 : Ly Herbicide Harvest Date : 28"	Source 1B's 3 A's Asgrow 3.4 2.8 Sun Seeds 2.9 2.8 Asgrow 3.0 2.8 Sun Seeds 3.1 2.7 Sun Seeds 2.9 2.7 Sun Seeds 3.0 2.6 Asgrow 2.9 2.9 Sun Seeds 2.9 2.6 Harris Moran 3.5 2.6 Harris Moran 2.9 2.9 Asgrow 3.2 2.5 : Loamy Fine Sand Plant population : 50 : 6.5 Fertilizer : 40 : June 28 Herbicide : A : 28" x 30' Harvest Date : A

Yields of Cucumbers From Simulated Once-over Machine Harvest Trial #2, Simcoe, 2001

		Yield*						
		Grade	es 1 - 3	Grade	es 1 - 4			
Cultivar	Source	T/Ac	\$/Ac	T/Ac	\$/Ac			
XVC 5834 M	Asgrow	9.4	1,901	9.8	1,922			
Wellington	Asgrow	7.9	1,595	8.8	1,645			
Excel M	Asgrow	7.8	1,515	8.8	1,567			
Colt O (EX 1913)	Asgrow	5.9	1,218	6.9	1,270			
Vlaspear B	Asgrow	5.6	1,142	7.0	1,215			
Vlaspik M	Asgrow	5.6	1,155	6.6	1,207			
Discover M	Asgrow	5.3	1,092	6.3	1,143			
Arabian O (EX 1914)	Asgrow	5.4	1,066	6.0	1,101			
Soil Type Soil pH Seeding Date Plot Size Rows Plants	: Loamy Fine Sand : 6.5 : July 12 : 28" x 30' : 28" : 4"	Plant population Fertilizer Herbicide Harvest Date		: 58,000 plants/Ac : 400 kg/Ac of 10-10-1 : Alanap @ 15 Uha : August 28				

[&]quot;Yields are for comparative purposes only. Small plot yields may not accurately reflect commercial yields. Note: Oversize, nubs and crooks are not included in yield data.

Yields of Cucumbers From Simulated Once-over Machine Harvest Trial #2, Simcoe, 2001 (Continued)

		L:D Ratio	L:D Ratio	% Oversize
Cultivar	Source	1B's	3 A's	(by wt.)
XVC 5834 M	Asgrow	3.8	3.2	7
Wellington	Asgrow	3.1	2.8	0
Excel M	Asgrow	2.5	2.9	17
Colt O (EX 1913)	Asgrow	3.2	3.0	23
Vlaspear B	Asgrow	3.4	3.0	19
Vlaspik M	Asgrow	2.7	2.9	30
Discover M	Asgrow	3.1	2.9	27
Arabian O (EX 1914)	Asgrow	3.2	2.8	48
Soil Type	: Loamy Fine Sand	Plant population	:	: 58,000 plants/Ac
Soil pH	: 6.5	Fertilizer		: 400 kg/Ac of 10-10-1
Seeding Date	: July 12	Herbicide	:	: Alanap @ 15 Uha
Plot Size	: 28" x 30'	Harvest Date	:	: August 28
Rows	: 28"			
Plants	: 4"			

Yields of Cucumbers From Once-over Machine Harvest Trial, Springford, 2001

				_		
			Ac		\$/Ac	%
Cultivar	Source	Hand	Machine	Hand	Machine	Recovery
Lafayette	Sun Seeds	4.6	4.4	1,167	853	94
Eclipse	Harris Moran	4.2	4.2	997	794	99
Vlaspear	Asgrow	6.8	4.2	1,463	771	62
Wellington	Asgrow	7.7	4.4	1,569	762	57
XVC 5834	Asgrow	6.4	3.7	1,461	732	57
Royal	Harris Moran	2.3	3.4	619	685	100
Palomino	Asgrow	4.8	3.2	1,007	651	66
Colt	Asgrow	1.2	3.2	302	597	100
Vlaspik	Asgrow	5.5	2.9	1,096	587	52
Atlantis	Harris Moran	4.6	2.5	844	4 97	54
Arabian	Asgrow	3.8	2.3	864	446	60
Excel M	Asgrow	7.3	2.2	1,632	408	30
Discover	Asgrow	3.0	2.0	659	393	69

[•] Yields are for comparative purposes only. Small plot yields may not accurately reflect commercial yields. Note: Oversize are not included in yield data.

Yields of a Stale-Seedbed Simulated Once-over Machine Harvest Cucumber Trial, Simcoe, 2001

				Yield*	
	-	Grades	1 - 3	Grades	1 - 4
Treatments**		T/Ac	\$/Ac	T/Ac	\$/Ac
30 DBP		6.6	1,626	6.7	1,633
40120 DBP* **		6.8	1,551	7.4	1,583
10 DBP		6.4	1,472	6.9	1,498
20 DBP		6.9	1,428	7.3	1,486
0 DBP		5.8	1,376	6.0	1,388
40 DBP		2.1	671	2.1	671
Soil Type Soil pH Seeding Date Plot Size Rows Plants	: Fine Sandy Loam : 6.2 : June 25 : 23' x 25' : 30" : 3"	Plant populati Fertilizer Herbicide Harvest Date	on	: 72,000 plants/acre : 90 kg/Ac of 34-0-0 : Roundup FF Presec : Command ME @ 0. : August 10	

^{*}Yields are for comparative purposes only. Small plot yields may not accurately reflect commercial yields. Note: Oversize, nubs and crooks are not included in yield data.

^{**}The treatments correspond to the number of Days tillage was performed Before the crop was Planted.

^{***}Tillage was last performed at 40 DBP and an application of glyphosate (1.7 L/acre) was applied at 20 DBP.

Yields of a Reduced Tillage Simulated Once Over Machine Harvested Cucumber Trial, Simcoe, 2001

				Yield*		
		Grades	s 1 - 3	Grades 1 - 4		
Treatment		T/Ac	\$/Ac	T/Ac	\$/Ac	
Disk Tillage		8.1	1,717	8.7	1,749	
Conventional Tillag	e	6.1	1,337	6.4	1,355	
Zone Tillage		4.9	1,063	5.4	1,089	
No Tillage		4.2	948	4.6	968	
Soil Type Soil pH Seeding Date Plot Size	: Sandy Loam : 6.4 : June 4 : 38' x 30'	Plant populatio Fertilizer Herbicide	n	: 72,000 plantslacro : 85 L/Ac 28% UAN : Roundup FF Pres : Command ME @	l eed @ 1.7 L/Ac	
Rows Plants	: 30" : 3"	Harvest Date		: July 27		

^{*}Yields are for comparative purposes only. Small plot yields may not accurately reflect commercial yields. Note: Oversize, nubs and crooks are not included in yield data.

Yields of Cucumbers From Simulated Once Over Machine Harvest Trial - Late Planting, Simcoe, 2001

· · · · · · · · · · · · · · · · · · ·		%		,	Yield*	
		Oversize	Grade	es 1 - 3	Grade	es 1 - 4
Cultivar	Source	(by wt.)	T/Ac	\$/Ac	T/Ac	\$/Ac
Vlasspear	Asgrow	15	5.1	1,435	5.7	1,465
Vlaspik M	Asgrow	0	5.0	1,348	5.6	1,377
Discover M	Asgrow	14	5.0	1,256	5.3	1,272
Lafayette C	Sun Seeds	13	4.6	1,197	5.3	1,237
Arabian O	Asgrow	0	4.2	1,042	5.5	1,111
Royal	Harris Moran	6	4.0	991	4.2	1,002
Wellington	Asgrow	0	3.4	923	4.6	986
Soil Type	: Loamy Sand		Plant popul	lation	: 58,000 plan	ts/Ac
Soil pH	: 6.8		Fertilizer		: 400 kg/Ac	of 10-10-10
Seeding Date	: July 26		Herbicide		: Alanap @ 1	5 L/ha
Plot Size	: 28" x 30'		Harvest Da	te	: September	17
Rows	: 28"					
Plants	: 4"					

^{*}Yields are for comparative purposes only. Small plot yields may not accurately reflect commercial yields. Note: Oversize, nubs and crooks are not included in yield data.

Brine Stock Quality Evaluation of Pickling Cucumbers

External Quality

Shape (1-5): 1 = blossom end/shoulder blunt 5 = blossom end/shoulder tapered Ridging & Spines (1-5) 1 = distinct warts and spines (most acceptable) **2-5** = ridges and spines too prominent or too smooth (less acceptable) Colour (1-5): 1 = medium light green (most acceptable) **2-5** = paler or darker green (less acceptable) **Internal Quality** Colour (1-5): 1 = uniform olive green (most acceptable) 2-5 = variable green (less acceptable) Firmness (1-5): 1 = very firm 5 = very softPlacenta size (1-5): 1 = small**5** = large Seed size (1-5): 1 = small**5** = large **Recovery** (0-100%): **0** = no cucumbers useable **100** = all cucumbers useable % Recovery = Total x (Fraction recoverable x # of pickles) x 100% Total # of pickles

Brine Stock Rating of Cucumbers - Advanced Multipick Trial - Simcoe, 2001

Cultivar	Source	Shape	Ridges & Spines	External Colour	Internal Colour	Firmness	Placenta Size	Seed Size	Overall Quality*	Mean Quality**	% Recovery
Endeavour	Asgrow	3.5	3.3	3.5	3.5	3.0	3.0	3.3	3.8	3.3	100
Jackson C	Sun Seeds	2.5	3.0	3.0	3.3	3.3	3.5	3.3	3.3	3.1	100
Vlasstar B	Asgrow	2.8	3.3	3.0	3.0	2.5	3.3	3.0	2.8	3.0	100
Duke	Harris Moran	4.8	4.0	4.0	3.8	3.5	4.0	3.3	4.3	3.9	99
XP 1903 T	Asgrow	4.3	3.5	3.5	3.3	3.0	3.5	3.3	4.0	3.5	99
Jackson Supreme	Sun Seeds	3.5	3.8	3.8	3.5	3.3	3.0	3.3	4.0	3.4	99
Patton Supreme	Sun Seeds	2.8	2.8	2.8	3.0	3.5	3.3	3.8	3.8	3.1	99
Patton C	Sun Seeds	3.0	2.8	3.3	3.3	3.0	3.3	2.5	3.5	3.0	99
Vlasset B	Asgrow	3.0	3.3	2.8	3.0	3.0	3.3	2.8	3.3	3.0	98
Fancipak M	Asgrow	3.3	3.3	3.3	3.0	2.8	2.8	2.3	2.8	2.9	98
Picklet B	Asgrow	3.8	3.5	4.0	3.5	3.3	3.3	3.8	4.0	3.6	96
Eclipse	Harris Moran	3.5	3.5	3.0	2.8	3.0	3.5	3.3	3.5	3.2	96
Pik-Rite	Harris Moran	3.5	3.3	4.0	3.5	3.3	3.5	3.3	3.8	3.5	90
Flurry M	Asgrow	3.5	3.3	3.8	3.3	3.0	3.3	3.0	3.5	3.3	90

^{*}Is a general overall rating.

^{**}Includes shape, ridges & spines, external colour, internal colour, firmness, placenta size and seed size.

Brine Stock Rating of Cucumbers - Main Multipick Trial - Simcoe, 2001

Cultivar	Source	Shape	Ridges & Spines	External Colour	Internal Colour	Firmness	Placenta Size	Seed Size	Overall Quality*	Mean Quality**	% Recovery
Asterix F1	Bejo	5.3	4.5	4.3	3.8	3.8	4.0	4.5	5.0	4.3	100
BJ99-3987	Bejo	4.8	5.0	3.5	3.5	4.0	3.3	2.8	4.5	3.8	100
BJ99-3983	Bejo	4.0	3.5	3.5	3.5	3.5	3.8	3.5	4.0	3.6	100
HMX 0467	Harris Moran	3.5	3.8	3.5	3.5	3.3	3.8	3.8	3.8	3.6	100
BJ99-3984	Bejo	3.5	3.5	3.8	3.8	3.5	3.8	3.3	3.8	3.6	100
Amstel F1	Bejo	3.5	3.3	3.3	3.3	2.8	4.0	2.8	4.0	3.3	100
Stallion O (PS 14692)	Asgrow	3.8	3.3	4.0	4.8	4.0	4.0	3.8	4.3	3.9	99
Atlantis F1	Bejo	3.8	5.8	3.8	3.5	2.5	3.3	2.5	4.5	3.6	99
BJ99-3981	Bejo	4.3	3.8	4.0	3.8	3.5	2.8	2.8	4.3	3.5	99
BJ99-3986	Bejo	4.3	3.5	3.3	3.0	3.0	3.3	3.3	4.0	3.4	99
Arabian O (XP 11914)	Asgrow	2.5	3.5	3.0	3.3	3.0	3.0	3.0	3.0	3.0	99
HMX 0469	Harris Moran	4.3	4.8	4.3	3.5	3.3	3.8	4.0	4.0	4.0	98
Akord F1	Bejo	4.0	4.0	4.8	4.0	3.5	3.5	3.3	4.5	3.9	97
Alibi F1	Bejo	4.5	3.5	3.8	3.5	4.5	4.5	4.0	4.8	4.0	96
Palomino (EX 1911)	Asgrow	4.5	3.5	4.3	4.0	4.3	3.3	3.3	4.5	3.9	90
HMX 0470	Harris Moran	4.0	4.0	3.8	3.3	4.3	3.8	3.5	4.3	3.8	90
HMX 0468	Harris Moran	4.0	3.5	3.8	3.5	4.5	4.0	4.3	4.3	3.9	89
SQRP 2734	Sun Seeds	4.5	4.0	3.5	4.0	4.5	3.8	3.5	4.8	4.0	80
Colt O (XP 1913)	Asgrow	3.8	4.0	4.0	3.8	4.3	3.3	2.8	4.3	3.7	70

^{*}Is a general overall rating.

^{**}Includes shape, ridges & spines, external colour, internal colour, firmness, placenta size and seed size.

Brine Stock Rating of Cucumbers - Once Over Machine Harvest, Trial 1,2001

Cultivar	Source	Shape	Ridges & Spines	External Colour	Internal Colour	Firmness	Placenta Size	Seed Size	Overall Quality*	Mean Quality**	% Recovery
SRQP 2608	Sun Seeds	3.5	4.0	3.0	3.8	3.8	4.0	4.8	4.0	3.8	100
Royal	Harris Moran	4.3	4.0	4.5	3.8	3.8	3.5	4.5	4.5	4.0	99
Atlantis	Harris Moran	4.5	4.8	3.8	3.5	2.5	2.8	4.5	4.8	3.8	99
Vlaspik M	Asgrow	3.3	3.8	4.3	4.0	3.3	3.8	4.5	4.0	3.8	99
Lafayette Supreme	Sun Seeds	4.3	3.3	3.5	3.5	3.5	3.8	3.5	3.8	3.6	97
SRQ 1882 Classic	Sun Seeds	3.8	3.8	4.0	3.5	3.8	3.5	4.3	4.0	3.8	95
Lafayette C	Sun Seeds	4.3	3.8	3.5	4.0	3.8	4.0	5.3	4.8	4.1	90
Palomino O (EX 1911)	Asgrow	3.8	4.3	4.3	4.0	4.0	4.3	4.8	4.8	4.2	89
MacArthur Supreme	Sun Seeds	4.8	3.5	4.3	4.3	3.5	4.3	5.0	4.8	4.2	81
Stallion O (PS 14692)	Asgrow	3.8	3.8	3.8	3.3	3.5	3.5	5.0	4.8	3.8	80
ASR 04564229	Asgrow	4.3	3.5	3.8	3.8	4.0	3.8	5.0	4.5	4.0	79

^{*}Is a general overall rating.

^{**}Includes shape, ridges & spines, external colour, internal colour, firmness, placenta size and seed size.

Brine Stock Rating of Cucumbers - Once Over Machine Harvest, Trial 2,2001

Cultivar	Source	Shape	Ridges & Spines	External Colour	Internal Colour	Firmness	Placenta Size	Seed Size	Overall Quality*	Mean Quality**	% Recovery
Discover M	Asgrow	3.0	3.3	3.0	3.5	3.0	3.0	3.3	3.3	3.1	100
XVC 5834 M	Asgrow	4.0	3.5	2.8	3.5	3.3	3.3	4.8	4.3	3.6	96
Vlaspik M	Asgrow	2.5	3.3	3.3	3.0	3.0	2.0	2.5	3.0	2.8	95
Colt O (EX 1913)	Asgrow	2.8	3.3	3.3	3.8	3.8	3.3	4.0	4.3	3.4	95
Excel M	Asgrow	3.3	3.8	4.0	4.0	3.5	2.8	3.3	3.5	3.5	85
Wellington	Asgrow	2.8	3.5	3.8	3.8	3.3	2.5	3.0	3.5	3.2	78
Vlaspear B	Asgrow	3.0	3.5	3.5	3.8	3.8	3.0	3.5	3.5	3.4	76
Arabian O (EX 1614)	Asgrow	2.5	3.5	3.3	3.3	3.0	2.8	3.8	3.3	3.1	57

^{*}Is a general overall rating.

^{**}Includes shape, ridges & spines, external colour, internal colour, firmness, placenta size and seed size.

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Sweet Banana Pepper Cultivar Trial, Simcoe, 2001

		Marketable Yield (T/Ac)*										
	_		> 12.5 cm		10	.0 - 12.5	cm		< 10.0 cn	1		
Cultivar	Source	Red	Breaker	Yellow	Red	Breake	Yellow	Red	Breaker	Yellow	Total	
Golden Arrow Supreme	Greyco Distributers	1.5	2.5	5.1	0.2	0.4	1.0	0.1	0.0	0.4	11.1	
Sweet Savannah	Greyco Distributers	1.5	2.4	3.5	0.0	0.2	0.5	0.0	0.0	0.1	8.2	
Sweet Arrow	Greyco Distributers	2.7	1.7	3.2	0.0	0.0	0.4	0.0	0.0	0.1	8.0	
Banana Supreme	Petoseed	0.6	1.2	3.6	0.0	0.0	0.7	0.1	0.0	0.3	6.5	
Bounty	Petoseed	1.3	2.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	6.2	
Sweet Spot	Petoseed	0.2	0.4	4.6	0.0	0.0	0.1	0.0	0.0	0.1	5.5	
Soil Type pH Seeded Transplanted Plant Population	: Loamy Sand : 5.8 : April 26 : June 4 : 8,990/Ac				Fertilizer Herbicides Harvested		: 400 kgla : Treflan (: Septem	@1.5 Uh				

^{*}Yields are for comparative purposes only. Small plot yields may not accurately reflect commercial yields.

Sweet Banana Pepper Cultivar Trial, Simcoe, 2001 (Continued)

		Ma	arketable		Yield (T/Ac)*					
		Fruit #	Fruit Wt.			Off				
Cultivar	Source	Plant	(g)	Immature	Crooked	Туре	Culls			
Golden Arrow Supreme	Greyco Distributers	18	62.6	0.1	0.8	0.1	0.8			
Sweet Savannah	Greyco Distributers	14	61.5	0.9	2.0	0.0	0.8			
Sweet Arrow	Greyco Distributers	12	67.1	0.2	0.6	0.0	1.9			
Banana Supreme	Petoseed	16	42.9	0.7	0.5	0.1	0.4			
Bounty	Petoseed	8	79.7	I .0	8.0	0.0	1.6			
Sweet Spot	Petoseed	11	55.8	0.2	0.9	0.1	2.6			
Soil Type pH Seeded Transplanted	: Loamy Sand : 5.8 : April 26 : June 4			Fertilizer Herbicides Harvested		400 kglacre of 1 Treflan @1.5 U September 12				
Plant Population	: 8,990/Ac									

^{*}Yields are for comparative purposes only. Small plot yields may not accurately reflect commercial yields.

				M	arketable	Yield (T/A	c)*			
		> 12.5 cm		10).0 - 12.5	cm		< 10.0 cr	n	
Source	Red	Breaker	Yellow	Red	Breaker	Yellow	Red	Breaker	Yellow	Total
Greyco Distributers	2.1	2.1	0.4	0.7	2.2	3.8	0.1	0.4	1.3	13.2
Greyco Distributers	2.5	3.0	3.8	0.0	0.3	0.6	0.1	0.0	0.0	10.3
Greyco Distributers	1.9	3.2	3.4	0.4	0.0	0.3	0.0	0.0	0.0	9.2
Stokes	2.6	2.2	2.2	0.0	0.1	8.0	0.0	0.1	0.3	8.2
Greyco Distributers	2.0	1.5	3.6	0.0	0.2	0.4	0.0	0.0	0.2	7.7
Petoseed	0.1	1.8	4.7	0.0	0.1	0.9	0.0	0.1	0.1	7.7
Harris Moran	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.7	6.4	7.5
Hams Moran	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	6.3	7.2
Petoseed	1.0	1.2	0.9	0.1	0.8	1.4	0.1	1.4	0.3	6.2
Greyco Distributers	0.8	0.9	1.9	0.1	0.2	0.6	0.0	0.1	0.2	4.7
Petoseed	0.7	0.3	2.3	0.7	0.1	0.3	0.0	0.0	0.1	4.5
: Loamy Sand : 6.5 : April 26 : June 4						:Treflan @	🕽 1.5 Uh			
	Greyco Distributers Greyco Distributers Greyco Distributers Stokes Greyco Distributers Petoseed Harris Moran Hams Moran Petoseed Greyco Distributers Petoseed : Loamy Sand : 6.5 : April 26	Greyco Distributers 2.1 Greyco Distributers 2.5 Greyco Distributers 1.9 Stokes 2.6 Greyco Distributers 2.0 Petoseed 0.1 Harris Moran 0.0 Hams Moran 0.0 Petoseed 1.0 Greyco Distributers 0.8 Petoseed 0.7 : Loamy Sand : 6.5 : April 26 : June 4	Greyco Distributers 2.1 2.1 Greyco Distributers 2.5 3.0 Greyco Distributers 1.9 3.2 Stokes 2.6 2.2 Greyco Distributers 2.0 1.5 Petoseed 0.1 1.8 Harris Moran 0.0 0.0 Hams Moran 0.0 0.0 Petoseed 1.0 1.2 Greyco Distributers 0.8 0.9 Petoseed 0.7 0.3 : Loamy Sand : 6.5 : April 26 : June 4	Source Red Breaker Yellow Greyco Distributers 2.1 2.1 0.4 Greyco Distributers 2.5 3.0 3.8 Greyco Distributers 1.9 3.2 3.4 Stokes 2.6 2.2 2.2 Greyco Distributers 2.0 1.5 3.6 Petoseed 0.1 1.8 4.7 Harris Moran 0.0 0.0 0.0 Hams Moran 0.0 0.0 0.0 Petoseed 1.0 1.2 0.9 Greyco Distributers 0.8 0.9 1.9 Petoseed 0.7 0.3 2.3 : Loamy Sand : 6.5 : April 26 : June 4	Name	Name	Source Red Breaker Yellow Red Breaker Yellow	Source Red Breaker Yellow Red Breaker Yellow Red Breaker Yellow Red Greyco Distributers 2.1 2.1 0.4 0.7 2.2 3.8 0.1 Greyco Distributers 2.5 3.0 3.8 0.0 0.3 0.6 0.1 Greyco Distributers 1.9 3.2 3.4 0.4 0.0 0.3 0.0 Stokes 2.6 2.2 2.2 0.0 0.1 0.8 0.0 Greyco Distributers 2.0 1.5 3.6 0.0 0.2 0.4 0.0 Petoseed 0.1 1.8 4.7 0.0 0.1 0.9 0.0 Harms Moran 0.0 0	Source Red Breaker Yellow Red Red Pelow Red Red Pelow Red Red Red Pelow Red Re	Source Red Breaker Yellow Red D.4 1.3 Greyco Distributers 2.6 2.2 2.2 0.0 0.1 0.9 0.0 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1

^{*}Yields are for comparative purposes only. Small plot yields may not accurately reflect commercial yields

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Hot Banana Pepper Cultivar Trial, Simcoe, 2001 (Continued)

		Ma	arketable		Yield (T/Ac)*					
	_	Fruit#	Fruit Wt.			Off				
Cultivar	Source	Plant	(g)	Immature	Crooked	Туре	Culls			
Hungarian Hot Icicle	Greyco Distributers	35.2	37.3	0.8	0.4	0.2	1.4			
Midas Golden-Gourmet-SHH	Greyco Distributers	15.3	67.8	0.4	2.1	0.1	1.5			
Midas Golden	Greyco Distributers	14.2	66.0	0.8	1.5	0.1	1.1			
Super Hungarian Hot	Stokes	11.9	66.5	0.0	1.3	0.0	1.8			
Golden Dagger/Gourmet	Greyco Distributers	12.2	67.2	0.0	1.8	0.0	2.5			
Hot Spot	Petoseed	19.0	40.4	0.3	0.4	0.0	3.5			
HMX 3677 F1	Harris Moran	37.5	19.5	0.1	0.0	0.0	1.1			
HMX 3676 F1	Harris Moran	36.2	20.1	0.3	0.0	0.0	0.8			
Hungarion Wax Hot	Petoseed	19.4	32.5	0.2	0.1	0.0	0.2			
Zizzler-Hungarian Hot Banana	Greyco Distributers	9.5	52.3	0.0	0.9	0.0	1.0			
Inferno	Petoseed	8.0	52.6	0.1	0.5	0.1	3.6			
Soil Type pH Seeded Transplanted Plant Population	: Loamy Sand : 6.5 : April 26 : June 4 : 8,990/Ac			Fertilizer Herbicides Harvested	: 400 kglacre of : Treflan @1.5 l : September 12	Jha				

^{*}Yields are for comparative purposes only. Small plot yields may not accurately reflect commercial yields.

Bell Pepper Cultivar Trial, Simcoe, 2001

				Non-Mkt	Marketa	ble Yield*
Cultivar	Source	Fruit #I Plant	Fruit Wt. (g)	Yield (T/Ac)	Early* (T/Ac)	Total (T/Ac)
King Arthur	Petoseed	5.0	205	1.2	20.5	26.6
North Star	Petoseed	8.4	164	1.2	14.9	25.7
Boynton Bell	Harris Moran	6.4	210	1.6	6.4	18.3
Karma F1	Harris Moran	4.2	257	2.5	7.7	16.9
Conquest (HMX 9640)	Harris Moran	4.2	260	1.7	4.7	14.5
Peninsula (HMX 9646)	Harris Moran	4.6	285	2.6	2.3	14.4
HMX 0640 F1	Harris Moran	4.1	239	2.5	3.0	12.1
X ³ R Camelot	Petoseed	4.5	231	2.2	1.5	11.2
Soil Type pH Seeded Transplanted Plant Population	: Loamy Sand : 6.5 : April 23 : June 4 : 8,990/Ac	-	Fertilizer Herbicides Harvested	: Treflan @	re of 10-10- 1.5 Uha I - Septemb	

^{*}Yield to August 31, 2001 (1 harvest).

^{**}Yields are for comparative purposes only. Small plot yields may not accurately reflect commercial yields.

Jalapeno Pepper Cultivar Trial, Simcoe, 2001

					Ma	arketable	Yield (T/A	c)*			
Cultivar		> 12.5 cm			10.0 - 12.5 cm			< 10.0 cm			
	Source	Red	Breaker	Yellow	Red	Breaker	Yellow	Red	Breaker	Yellow	Total
Meteor	Greyco Distributers	0.0	0.0	0.0	2.0	0.0	3.9	0.3	0.5	2.6	9.4
Olahrio	Greyco Distributers	0.0	0.0	0.3	4.1	0.0	0.8	0.6	0.5	2.2	8.5
Jalapeno M	Harris Moran	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	6.5	7.5
Soil Type	: Loamy Sand				Fertilizer		: 400 kgla	cre of 10	D-10-10		
pН	: 6.5				Herbicides	3	:Treflan @	1.5 Uh	а		
Seeded	: April 26				Harvested		: Septeml	ber 12			
Transplanted	: June 4										
Plant Population	: 8,990/Ac										

^{*}Yields are for comparative purposes only. Small plot yields may not accurately reflect commercial yields.

Jalapeno Pepper Cultivar Trial, Simcoe, 2001 (Continued)

	_	Ma	arketable	Yield (T/Ac)*				
	_	Fruit # /	Fruit Wt.			Off		
Cultivar	Source	Plant	(g)	Immature	Crooked	Туре	Culls	
Meteor	Greyco Distributers	33.1	36.4	0.1	0.0	0.0	0.8	
Olahrio	Greyco Distributers	30.8	37.6	0.1	0.0	0.1	0.6	
Jalapeno M	Harris Moran	48.2	15.6	1.6	0.0	0.0	0.5	
Soil Type pH Seeded Transplanted Plant Population	: Loamy Sand : 6.5 : April 26 : June 4 : 8,990/Ac			Fertilizer Herbicides Harvested	: 400 kglacre of : Treflan @1.5 l : September 12	Jha		

^{*}Yields are for comparative purposes only. Small plot yields may not accurately reflect commercial yields.

Cucumber Grades and Dollar Values

		Price Per			
Grade	Size in diameter	Tonne	Ton		
1	Up to 2.7 cm (up to 1 1116")	\$824.07	\$747.43		
2	2.7 cm to 3.8 cm (1 1116" to 1 1/2")	\$295.37	\$267.90		
3	3.8 cm to 5.1 cm (1 112" to 2")	\$203.21	\$184.31		
4	5.1 cm to 5.4 cm (2" to 2 118")	\$59.07	\$53.58		

^{*}Nubs and crooks were paid at the Grade 4 price.

^{**}Prices obtained from "Agreement and Award for Marketing the 2001 Crop of Cucumbers for Processing" under the Farm Products Marketing Act.

Seed Sources

- Asgrow Seed Co., 2605 E. Kilgore Rd., Kalamazoo, MI 49002, USA.
- Bejo Seeds Inc., P.O. Box 859, Oceano, CA 93445, USA.
- Christianson, P.O. Box 1788, Mount Vernon, WA 98273, USA.
- Greyco Distributers, 17901 Inkster Rd., Romulus, MI 48174, USA.
- Harris Moran Seed Co., P.O. Box 3091, Modesto, CA 95353, USA.
- Novartis Seeds, Inc-Rogers Brand, P.O. Box 4188, Boise, Idaho 83711-4188, USA.
- Petoseed Co. Inc., 37437 Hwy 16, Woodland, CA 95695, USA.
- Sakata America, P.O. Box 880 Morgan Hill, CA 95038, USA.
- Seedway, 1225 Zeagor Road, Elizabethtown, PA 17022, USA.
- Seminis, 107 Highview Ave. West, London, ON N6J 4C6
- Stokes Seeds Ltd., P.O. Box 10, St. Catherines, ON L2R 6R6.
- Sun Seeds, 8850 59th Ave. N.E., Brooks, OR 97305-0008, USA.

MONTHLY METEOROLOGICAL SUMMARY University of Guelph, Simcoe - 2001

	April Temp (°C)				May	_	June Temp (°C)			
Date		Max	Ppt (mm)	Temp (°C) Min Max Ppt (mm)			Max	Ppt (rnm)		
						0.0			/ _	
1	-1.3	4.5	0.0	10.3	26.9	0.0	3.3	16.6	0.0	
2	-0.3	6.4	0.2	15.3	26.6 28.0	0.0	8.1	16.0	17.6 0.4	
3	-1.3 2.0	9.0	3.4 0.0	16.0	28.1	0.0	8.4 9.8	15.4 16.3	2.2	
4 5	-2.0 -0.9	12.3	0.0	13.4 9.1	17.6	2.4	9.6 8.6	16.1	0.0	
3		13.8								
6	3.9	14.6	5.8	6.8	19.1	0.0	9.0	18.2	0.0	
7	4.2	7.3	6.2	8.0	20.9	0.0	12.3	20.0	0.0	
8	5.7	23.0	0.2	8.9	16.1	8.6	9.7	22.9	0.0	
9	3.2	11.5	10.8	9.1	22.9	0.2	11.0	25.7	0.0	
10	2.5	11.2	0.0	11.4	23.9	0.0	10.1	24.8	0.0	
11	4.8	12.9	0.0	13.7	23.8	3.0	12.7	25.6	1.2	
12	9.2	25.1	3.2	5.9	15.8	0.2	15.7	23.8	13.0	
13	2.8	12.6	0.0	1.8	15.3	0.0	13.5	25.4	0.0	
14	-0.1	14.7	0.0	7.9	19.3	0.2	15.6	28.8	0.0	
15	4.2	9.3	0.0	6.1	18.6	0.0	17.4	31.8	0.0	
16	0.3	11.6	6.0	6.6	22.2	0.2	20.6	29.5	0.0	
17	-0.6	8.6	1.0	10.4	15.2	2.0	· 18.4	26.4	3.4	
18	-2.3	5.3	0.0	11.4	22.6	2.4	15.2	25.4	0.6	
19	-5.2	9.6	0.0	8.9	22.5	0.0	15.0	24.3	0.0	
20	1.9	12.8	8.2	9.5	22.2	0.0	21.1	30.1	0.0	
21	6.5	19.1	6.8	12.3	17.0	35.0	14.2	21.4	3.4	
22	11.2	21.5	0.0	10.2	17.9	12.8	13.1	24.4	4.4	
23	9.6	25.8	0.0	9.2	19.3	0.2	15.1	19.2	5.6	
24	1.4	20.5	0.0	10.1	20.1	14.2	14.2	21.2	10.2	
25	-2 .2	11.5	0.0	9.4	17.6	18.8	12.7	24.5	0.6	
26	2.5	16.5	0.4	7.5	18.5	0.2	13.2	25.7	0.0	
27	5.4	18.4	2.6	10.4	16.1	8.2	14.0	28.8	0.0	
28	1.7	13.0	0.0	10.4	16.5	0.6	17.7	30.4	0.0	
29	0.6	15.0	0.0	7.6	16.2	0.0	19.6	31.2	0.0	
30	3.5	22.9	0.0	4.4	15.5	0.0	17.8	30.5	0.0	
31				3.3	16.6	0.0				
Nean	2.3	14.0	55.2	9.2	20.0	109.2	13.6	24.0	62.6	
Normal	1.1	11.9	76.0	6.7	18.5	73.6	11.9	23.7	81.6	

MO METEOROLOGICAL SUMMARY † of Guelph, Sil - 2001

	July Temp("C)			Ţ	August		September			
Date	<i>I em</i> / Min	p("C) Max	Ppt (mm)	<i>lem</i> ¡ Min	p (°C) Max	Ppt (mm)	Tem Min	p (°C) Max	Ppt (mm)	
1	9.3	24.2	0.4	15.4	28.4	0.0	13.5			
2	9.5 6.5	20.7	0.4	14.5	31.1	0.0	10.1	24.0 19.7	1.8 0.0	
3	12.1	21.9	0.0	19.7	29.9	0.0	8.0	21.0	0.0	
. 4	17.0	23.3	0.2	21.1	29.4 29.4	0.0	15.0	24.6	0.0	
5	17.0	23.5	0.2	16.7	30.2	0.0	11.7	23.5	3.8	
							:			
6	9.0	23.5	0.0	16.5	31.6	0.0	8.5	20.5	0.0	
7	15.1	25.8	0.0	16.3	32.7	0.0	9.0	25.1	0.0	
8	19.0	30.2	0.0	23.5	33.5	0.0	15.7	29.4	0.0	
9	17.4	31.1	0.0	20.4	34.9	0.0	22.0	29.2	0.0	
10	17.9	29.4	3.0	24.7	32.7	0.0	21.5	29.2	0.0	
 I 1	13.1	23.5	0.0	16.7	28.1	11.0	16.4	24.4	0.0	
12	12.1	23.5	0.0	13.2	27.0	0.0	11.4	24.3	0.0	
13	10.4	24.0	0.0	16.3	25.7	3.6	8.9	25.0	0.0	
14	12.4	25.8	0.0	15.3	28.4	0.0	8.0	21.3	0.2	
15	12.3	29.6	0.0	11.7	27.4	0.0	6.2	18.4	0.0	
16	16.4	24.7	0.2	10.6	27.0	0.0	6.5	19.5	0.0	
17	16.8	26.3	0.0	17.0	24.1	12.0	6.5	21.4	0.0	
18	16.5	28.3	0.0	17.8	23.7	0.0	7.5	21.8	0.0	
19	18.5	28.5	0.0	15.7	23.9	0.0	13.4	22.9	0.0	
20	17.1	29.2	0.0	15.7	21.8	7.8	13.7	19.8	12.8	
21	18.4	29.7	0.0	16.6	22.9	6.8	15.6	20.3	12.2	
22	19.8	31.1	0.2	15.4	26.6	0.2	13.7	19.0	20.0	
23	20.0	32.9	0.0	14.7	25.5	0.0	12.5	20.3	0.2	
24	24.1	32.3	0.8	17.9	25.7	9.0	10.3	21.7	0.2	
25	16.9	28.8	3.8	16.9	24.8	0.2	8.7	18.6	3.8	
26	14.3	23.5	1.2	13.3	25.7	0.0	4.7	13.1	2.2	
27	11.3	23.0	0.0	17.7	26.0	1.2	3.4	12.2	0.6	
28	13.5	26.1	0.0	15.2	27.2	0.2	6.3	14.0	0.2	
29	16.9	24.7	0.0	14.7	25.6	50.4	8.7	16.6	0.4	
30	16.5	25.5	0.0	11.3	24.3	0.0	5.5	19.2	0.2	
31	15.4	28.4	0.0	11.8	26.6	0.0				
Nean	15.1	26.5	10.6	16.3	27.5	102.4	10.8	21.3	58.8	
Normal	14.5	26.3	76.7	13.8	25.2	80.1	10.0	21.0	88.8	