

Lebowitz

Ed T.

# PICKLING CUCUMBER MELON-PEPPER RESEARCH REPORT

**H.R.I.O.**  
HORTICULTURAL RESEARCH INSTITUTE  
OF ONTARIO

1992

Horticultural  
Experiment  
Station  
Simcoe, Ontario



J. O'Sullivan  
W.J. Bouw

NOVEMBER 1992

 Ministry of  
Agriculture  
and Food  
**ONTARIO**

No. 116

TABLE OF CONTENTS

Cultural Information (Cucumbers, Melons, Peppers).....	<u>Page</u> 1-2
 <u>CUCUMBERS</u>	
Grades and Dollar Values.....	3
Advanced Multipick Trial.....	4
Observation Multipick Trial.....	5
Once-Over Machine Harvest Cultivar Trial.....	6
Little Leaf Multipick Cultivar Trial.....	7
Fresh Quality Evaluation Rating Scale.....	8
Fresh Quality Rating from Advanced Multipick Trial.....	9
Fresh Quality Rating from Observation Multipick Trial.....	10
Fresh Quality Rating from Once-Over Machine Harvest Trial.....	11
Fresh Quality Rating from Little Leaf Multipick Cultivar Trial.....	12
Brine Stock Ratings.....	13-14
Little Leaf Ethrel Trial.....	15
 <u>MELONS</u>	
Muskmelon Observation Cultivar Trial.....	16-17
Watermelon Cultivar Trial.....	18
 <u>PEPPERS</u>	
Replicated Cultivar Trial.....	19
Observation Cultivar Trial.....	20-21
Bell Pepper Cultivar Descriptions.....	22-24
Observation Banana Pepper Cultivar Trial.....	25-26
Banana Pepper Cultivar Descriptions.....	27
Seed Sources.....	28
Meteorological Summary.....	29-34

**PICKLING CUCUMBER, MELON AND PEPPER CULTIVAR TRIALS, 1992**

**Horticultural Experiment Station, Simcoe, Ontario**

**J. O'Sullivan and W.J. Bouw**

This report summarizes pickling cucumber, melon and pepper trials conducted at the Horticultural Experiment Station, Simcoe, 1992. Additional copies of this report as well as more detailed information on any particular experiment can be obtained by contacting the Horticultural Experiment Station at Simcoe. We wish to express our sincere thanks to the seed companies who provided seed and monetary assistance for these cultivar trials.

**CULTURAL INFORMATION**

**Pickling Cucumber**

Pickling cucumber cultivar trials were conducted at the Horticultural Experiment Station, Simcoe in 1992. Trials were on sandy loam soils. Cucumbers were seeded with a Stanhay precision seeder and hand-thinned to give an in-row spacing of 15 cm. Cultural practices throughout the season were carried out according to recommended procedures. Cucumber beetles were present mid-season but were kept under control with insecticide sprays.

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 20-litre pails with air and nitrogen purging. Brined fruits were rated by a panel of judges.

Muskmelon and Watermelon

All trials were conducted on a sandy loam soil. Muskmelons and watermelons were seeded into a 5 cm square plastic pot on April 27. Black plastic was laid down in 1.8 m rows and muskmelon plants were placed 1.0 m apart in the row on June 1. Watermelon rows were 2.0 m and an in-row spacing of 1.2 m planted June 1. Powdery mildew was observed during the growing season and was kept under control with fungicide sprays. Muskmelons were harvested 5 times from September 2 to September 28. Watermelons were harvested for total marketable yield on September 28.

Pepper

All trials were conducted on a sandy loam soil. Peppers were established in the field from transplants raised in the greenhouse. The plants were planted 0.45 m apart and rows at 1.0 m apart. Detailed cultural information on each experiment is presented with the yield data. The plants in all trials were relatively free from insects. Aphids were observed during the growing season and were kept under control with a regular spray program. Yields are given in metric tonnes per hectare (t/ha). (Tonnes/ha x 0.446 = tones/acre). Fruit number refers to the average number of fruit per plant.

-----0-----0-----0-----0-----0-----0-----0-----

1. Assistance from George Pape and Paul Leclerc from Bick's with the cucumber brining as well as the monetary assistance provided is gratefully acknowledged.
2. We acknowledge the assistance of Robert Thomas, David VanLaecke, Melissa Pursley, Joe Wilson and Dean Van Hooydonk with planting, harvesting and data collection.

YIELD DATA (\$/HA AND TONNES/HA)

The grades and dollar values are listed below:

<u>Grade</u>	<u>Size in Diameter</u>	<u>Price Per Tonne (Per Ton)</u>	
1	up to 2.54 cm (up to 1")	\$ 639.45	\$(580.00)
2	2.54 cm to 3.18 cm (1" to 1 1/4")	302.09	(274.00)
3	3.18 cm to 4.13 cm (1 1/4" to 1 5/8")	220.50	(200.00)
4	4.13 cm to 5.08 cm (1 5/8" to 2")	110.25	(100.00)
5	over 5.08 cm ( > 2")	60.64	( 55.00)

### Yields of Cucumbers From Advanced Multipick Trial, Simcoe, 1992

Cultivar	Source	Fruit #/plant	t/ha	\$/ha
Duke (HMX 4489)	Harris Moran	22.9	50.4	\$13,677
Pik-Rite	Ferry Morse	24.5	43.4	\$13,154
Parker	Nunhems	21.5	52.2	\$12,996
Atlantis	Harris Moran	20.6	42.2	\$12,958
Calypso (sumter)	Rogers NK	20.3	49.8	\$12,804
Score	Asgrow	20.0	44.3	\$12,599
Prince	Harris Moran	20.2	47.7	\$12,140
Triplemech	Peto	19.3	43.4	\$11,673
Flurry	Asgrow	17.1	45.1	\$11,533
Neptune (HMX 6466)	Harris Moran	18.4	45.1	\$11,364
Express	Rogers NK	16.9	41.3	\$11,009
Carolina	Asgrow	17.3	45.8	\$10,849
Fancipak M	Asgrow	24.7	43.1	\$10,505
Fancipak	Asgrow	17.1	40.0	\$10,291
Perfecto Verde 14	Rogers NK	17.4	41.2	\$9,901
Flurry M	Asgrow	14.2	35.3	\$9,293

Soil Type:	Berrien Sandy Loam
Soil pH:	6.6
Seeding Date:	May 27
Rows:	1.5 m
Plants:	15 cm
Plant Population:	44,444 plants/ha
Fertilizer:	320 kg/ha 34-0-0
Herbicide:	Dyanap @ 15 L/ha
Harvest Dates:	July 28 - Aug.26

### Yields of Cucumbers From Observation Multipick Trial, Simcoe, 1992

Cultivar	Source	Fruit #/plant	t/ha	\$/ha
XPH 1682	Asgrow	18.0	52.6	\$12,557
Discover 1651	Asgrow	20.4	47.5	\$12,163
Calypso M	Asgrow	20.2	34.0	\$12,061
Vlasset	Vlassic	20.3	41.7	\$11,886
Eureka	Peto	17.0	39.0	\$11,104
Primepak M	Asgrow	17.5	36.3	\$10,630
PSR 3489	Peto	17.8	40.8	\$10,473
PSR 10488	Peto	16.9	36.7	\$10,090
FMX 4937	Ferry Morse	17.1	37.5	\$9,837
Discover M	Asgrow	14.3	32.8	\$9,576
XPH 1683	Asgrow	14.2	37.0	\$9,524
Premier	Asgrow	13.6	31.5	\$7,658

Soil Type: Berrien Sandy Loam  
 Soil pH: 6.5  
 Seeding Date: May 27  
 Rows: 1.5 m  
 Plants: 15 cm  
 Plant Population: 44,444 plants/ha  
 Fertilizer: 320 kg/ha 34-0-0  
 Herbicide: Dyanap @ 15 L/ha  
 Harvest Dates: July 28 - Aug. 26

**Yields of Cucumbers From Once-Over Machine Harvest Cultivar Trial  
Simcoe, 1992**

Cultivar	Source	Fruit #/plant	t/ha	\$/ha
XPH 1706	Asgrow	2.3	42.8	\$5,885
Discover 1651	Asgrow	1.9	26.0	\$5,622
TX 92300*	TAMU	2.0	35.3	\$5,387
SR 1887	Sun Seeds	2.2	30.0	\$5,155
XPH 1682	Asgrow	2.0	24.5	\$4,919
XPH 1683	Asgrow	2.2	20.5	\$4,863
Calypso M	Asgrow	2.0	33.1	\$4,826
Discover M	Asgrow	1.6	21.8	\$4,762
Endeavour	Rogers NK	2.0	25.3	\$4,635
Sunre 3537	Sun Seeds	1.9	23.5	\$4,409
FMX 4838	Ferry Morse	1.9	26.3	\$4,397
Napoleon	Sun Seeds	1.6	27.1	\$4,221
Calypso (NCH 2050)	Rogers NK	1.8	28.0	\$4,141
Calypso (Sumter)	Rogers NK	1.7	17.0	\$4,128
Sunre 3503	Sun Seeds	1.7	18.9	\$3,984
Spear-it	Ferry Morse	1.7	22.1	\$3,976
Armada	Peto	1.8	20.5	\$3,938
Raleigh	Rogers NK	1.7	17.2	\$3,862
Lafayette	Sun Seeds	1.6	18.0	\$3,800
Cross Country	Ferry Morse	1.6	17.3	\$3,781
Flurry 1651	Asgrow	1.6	21.0	\$3,761
Calypso	Rogers NK	1.6	17.5	\$3,643
Express	Rogers NK	1.4	14.3	\$3,390
XPH 1707	Asgrow	1.6	15.0	\$3,325
Primepak M	Asgrow	1.3	13.6	\$3,144
Transamerica	Ferry Morse	1.2	15.2	\$2,957
35-7*	Univ. of Arkansas	1.5	12.6	\$3,178
Sunre 3528	Sun Seeds	1.1	7.6	\$2,253

\* Little Leaf cultivar

Soil Type: Barrien Sandy Loam  
 Soil pH: 6.5  
 Seeding Date: May 28  
 Rows: 50 cm  
 Plants: 10 cm  
 Plant Population: 200,000 plants/ha  
 Fertilizer: 320 kg/ha 34-0-0  
 Herbicide: Dyanap @ 15 L/ha  
 Harvest Dates: July 30 - August 19



## Yields of Cucumbers From Little Leaf Multipick Cultivar Trial, Simcoe, 1992

Cultivar	Source	Fruit #/plant	t/ha	\$/ha
TX 92300	Texas A&M Univ.	21.2	55.8	\$15,339
TX 92303	Texas A&M Univ.	21.6	53.4	\$14,514
TX 92304	Texas A&M Univ.	19.4	50.3	\$14,169
91-41	Univ. of Arkansas	17.9	51.9	\$13,690
TX 92302	Texas A&M Univ.	19.0	61.6	\$13,610
91-47	Univ. of Arkansas	17.5	42.8	\$12,286
TX 92301	Texas A&M Univ.	17.3	51.1	\$11,888
91-50	Univ. of Arkansas	16.3	40.0	\$11,791
91-45	Univ. of Arkansas	15.0	38.9	\$11,097
91-52	Univ. of Arkansas	13.5	38.3	\$10,505
H-19	Peto	13.8	42.2	\$10,196
91-46	Univ. of Arkansas	13.4	31.7	\$9,235
H-21	Peto	13.5	33.4	\$8,956
91-49	Univ. of Arkansas	12.5	48.0	\$8,700
35-7	Univ. of Arkansas	12.6	24.4	\$7,134

Soil Type:	Berrien sandy loam
Soil pH:	6.6
Seeding Date:	May 27
Rows:	1.5 m
Plants:	15 cm
Plant Population:	44,444 plants/ha
Fertilizer:	320 kg/ha 34-0-0
Herbicide:	Dyanap @ 15 L/ha
Harvest Dates:	July 30 to Sept. 16

FRESH QUALITY EVALUATION OF PICKLING CUCUMBERS

Vine Vigor

1=very vigorous

2=vigorous

3=medium

4=short

5=very short

External Quality

Shape

Blossom end (1-5)

1=blunt

5=tapered

Shoulder (1-5)

1=blunt

5=tapered

Ridging & spines (1-5)

1=distinct warts & Spines  
(most acceptable)

2-5=ridges & 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

Texture & Firmness (1-5):

1=very firm; 5=very soft

Seed cavity size (1-5):

1=small; 5=large

Seed size (1-5):

1=small; 5=large

Carpel separation (1-10):

% of Cut showing carpel separation  
divided by 10

**Fresh Quality Evaluation of Pickling Cucumber Cultivars  
Advanced Multipick Trial - H.E.S. Simcoe, 1992**

Cultivar	Sex Expression (1-10)	Length:Width Ratio		Blossom- end (1-5)	Shoulder (1-5)	Ridging & Spines (1-5)	Colour (1-5)	Seed Cavity (1-5)	Seed Size (1-5)	Carpel Separation (1-10)	Spine Colour*
		Grade	Size								
		1B	4B								
Triplemech	9.4	3.6	2.9	3.0	3.0	1.0	2.0	2.5	3.0	0.0	W
Fancipak	6.5	3.4	2.7	1.5	1.5	1.0	2.0	2.0	2.0	0.0	W
Fancipak M	7.6	3.3	2.9	1.5	2.0	1.0	2.0	2.0	2.5	1.0	W
Flurry	9.1	3.4	3.1	2.0	3.0	2.0	2.5	2.0	1.5	0.0	W
Flurry M	8.5	3.5	3.2	1.5	3.0	1.5	2.5	1.5	1.5	1.0	W
Pik-Rite	8.5	3.4	2.8	1.5	2.5	1.0	2.5	2.0	1.5	0.0	W
Perfecto -											
Verde 14	8.5	3.0	2.8	1.5	3.0	1.5	2.0	2.5	2.0	0.0	W
Carolina	8.0	3.3	2.8	1.5	3.0	2.0	2.0	1.5	1.5	0.0	W
Score	7.5	3.2	3.3	1.0	2.0	1.0	2.0	2.0	2.0	0.0	W
Express	8.4	3.7	3.3	2.0	3.0	1.0	2.5	2.0	2.0	0.0	W
Parker	7.5	3.2	2.8	1.5	2.0	5.0	3.0	2.5	2.5	0.0	W
Prince	8.8	3.3	3.1	2.5	3.0	1.5	2.0	2.5	2.0	2.0	W
Atlantis	9.0	4.0	3.2	2.5	3.0	1.5	2.0	2.5	3.0	0.0	W
Neptune	8.4	3.3	2.9	2.0	2.0	2.0	2.0	2.0	2.0	0.0	W
Duke	8.6	3.1	2.8	1.5	1.5	2.0	2.5	2.0	3.0	0.0	W
Calypso	8.4	3.6	3.2	2.0	2.0	1.0	2.5	2.0	2.5	0.0	W

\* W = White; B = Black

**Fresh Quality Evaluation of Pickling Cucumber Cultivars  
Observation Multipick Trial - H.E.S. Simcoe, 1992**

Cultivar	Sex Expression (1-10)	Length:Width Ratio		Blossom- end (1-5)	Shoulder (1-5)	Ridging & Spines (1-5)	Colour (1-5)	Seed Cavity (1-5)	Seed Size (1-5)	Carpel Separation (1-10)	Spine Colour*
		Grade	Size								
		1B	4B								
FMX 4937	9.0	3.2	2.8	2.0	2.5	1.0	3.0	1.5	2.5	1.0	W
Vlasset	5.7	3.3	2.8	1.5	2.5	1.0	2.5	1.5	2.0	0.0	W
PSR 3489	9.0	3.2	2.8	1.5	2.0	1.0	2.0	1.5	1.5	0.0	W
PSR 10488	8.2	3.3	2.9	2.0	2.0	1.0	2.0	1.0	1.5	1.0	W
XPH 1682	8.7	3.7	3.3	2.0	3.0	1.0	1.0	2.0	2.5	0.0	W
Eureka	6.1	3.6	3.0	1.5	3.0	1.0	3.0	2.0	1.5	0.0	W
Primepak M	8.1	3.5	3.2	1.5	2.5	1.0	2.5	1.5	1.5	0.0	W
XPH 1683	4.5	3.7	3.2	2.0	3.0	1.5	1.5	2.0	3.0	0.0	W
Discover M	8.7	8.4	2.9	2.0	2.5	1.5	1.5	2.0	2.0	0.0	W
Calypso M	7.0	3.4	2.7	1.5	2.5	1.0	2.0	2.0	2.0	0.0	W
Premier	9.0	3.1	2.7	1.5	2.5	2.0	1.5	2.5	2.5	0.0	W
Discover 1651	9.3	3.4	3.0	1.5	2.5	1.0	1.0	2.0	2.0	0.0	W

\* W = White; B = Black

**Fresh Quality Evaluation of Pickling Cucumber Cultivars  
Once-Over Machine Harvest Trial - H.E.S. Simcoe, 1992**

Cultivar	Sex Expression (1-20)	Length: Width Ratio	Ridging & Spines (1-5)	Colour (1-5)
Cross Country	8.2	3.0	2.0	3.0
Transamerica	7.1	3.1	1.0	3.0
Spear-it	9.6	3.3	2.0	2.5
XPH 1707	10.0	2.7	3.0	2.0
Discover M	8.9	3.0	2.0	2.0
Discover 1651	6.4	3.1	1.0	2.5
XPH 1706	n/a	2.9	2.0	3.0
Primepak M	5.6	2.8	2.0	2.5
Endeavour	9.8	2.7	2.0	3.0
Express	8.0	2.7	1.0	2.0
Calypso (sumter)	7.2	3.0	2.0	2.0
Calypso (NCH 2050)	9.0	2.8	2.0	3.0
Raleigh	7.3	2.8	2.0	3.0
Flurry 1651	7.5	2.8	2.0	3.5
Calypso	7.2	2.8	2.0	2.5
Calypso M	7.7	2.8	2.0	4.0
FMX 4838	8.8	3.1	2.0	2.5
Napoleon	8.1	2.4	2.0	4.5
Lafayette	9.5	3.0	2.0	2.5
Sunre 3503	6.0	2.7	2.0	3.5
SR 1887	6.5	2.8	2.0	3.0
Sunre 3528	9.3	2.8	1.0	2.5
Sunre 3537	8.8	2.8	2.0	3.0
Armada	8.8	2.5	2.0	3.0
TX 92300	10.0	3.4	2.0	3.5
35-7	0.9	2.7	2.0	2.0
XPH 1682	10.0	3.1	2.0	2.5
XPH 1683	2.8	2.7	2.0	2.5

**Fresh Quality Evaluation of Pickling Cucumber Cultivars  
Little Leaf Multipick Cultivar Trial - H.E.S. Simcoe, 1992**

Cultivar	Sex Expression (1-20)	Length:Width Ratio		Blossom- end (1-5)	Shoulder (1-5)	Ridging & Spines (1-5)		Seed Cavity (1-5)	Seed Size (1-5)	Carpel Separation (1-10)	Spine Colour*
		Grade Size				Colour (1-5)					
		1B	4B								
35-7	0.4	1.3	3.0	2.0	3.0	2.0	3.0	2.0	2.0	0.0	W
91-41	1.1	3.8	3.2	1.0	2.0	1.0	3.0	1.5	1.0	2.0	W
91-45	0.4	3.5	3.1	1.0	1.0	1.5	3.0	1.5	1.0	4.0	W
91-46	0.8	3.6	2.7	1.0	1.0	2.0	3.5	1.0	1.0	1.0	W
91-47	1.0	3.6	2.6	1.0	1.0	1.5	3.0	1.0	2.0	2.0	W
91-49	2.4	3.1	2.6	2.0	2.0	1.5	2.0	3.0	2.0	0.0	W
91-50	0.4	3.7	3.1	1.0	1.0	1.5	3.0	2.0	2.5	3.0	W
91-52	0.6	3.7	2.5	1.0	1.0	1.5	3.5	1.5	1.5	0.0	W
H-19	0.3	3.5	3.0	2.0	1.0	1.0	3.0	2.0	2.0	0.0	W
H-21	0.5	3.5	3.1	3.0	2.0	1.5	3.0	2.5	2.0	0.0	W
TX 92300	13.4	3.9	3.2	2.0	4.0	1.0	3.0	1.0	2.0	2.0	W
TX 92301	8.3	3.6	3.0	2.0	3.0	1.0	3.0	2.0	2.0	2.0	W
TX 92302	4.9	3.6	3.2	2.0	2.0	1.0	3.0	1.0	1.5	0.0	W
TX 92303	15.0	3.5	3.1	2.0	2.0	1.0	3.0	2.5	2.0	0.0	W
TX 92304	15.8	4.4	3.6	2.0	4.0	1.0	3.5	2.0	3.0	0.0	W

\* W = White; B = Black

**Brine Stock Rating of Cucumbers - H.E.S. - Simcoe 1992**

Cultivar	Source	Shape	Ridges & Spines	External Colour	Internal Colour	Crispness	Firmness	Placenta Size	Seed size	Overall Quality*	Mean Quality**	% Recovery***
Fancipak	Asgrow	2.0	2.3	1.7	2.0	2.0	2.0	2.7	2.0	2.0	2.1	86
Calypso M	Asgrow	2.0	2.7	1.7	2.5	2.0	2.0	2.3	2.3	1.7	2.2	100
Score	Asgrow	2.7	2.0	2.0	2.5	2.5	2.5	3.0	3.0	3.0	2.5	87
Duke	Harris Moran	3.0	2.7	2.0	2.5	3.0	3.0	2.3	2.3	3.0	2.6	88
XPH 1683	Asgrow	3.3	3.7	3.3	2.5	2.5	2.5	2.0	1.7	3.3	2.7	100
Prince	Harris Moran	3.3	3.0	2.7	2.5	2.5	2.5	2.7	3.0	3.3	2.8	84
Carolina	Asgrow	2.7	2.7	2.7	2.5	3.5	3.5	2.7	2.3	3.0	2.8	84
Calypso	Rogers NK	3.3	2.7	2.0	2.5	3.5	3.5	3.0	2.3	3.0	2.9	91
Express	Rogers NK	3.7	3.3	3.0	2.5	3.5	3.5	2.7	2.0	3.3	3.0	87
Atlantis	Harris Moran	4.0	2.3	3.0	2.5	4.0	3.5	3.0	2.7	3.7	3.1	92
PSR 3489	Peto	2.7	3.0	2.7	2.5	4.5	4.0	2.3	3.7	3.3	3.2	80
Cross Country	Ferry Morse	3.7	2.7	2.7	2.5	3.5	3.0	3.0	4.7	3.7	3.2	76
Eureka	Peto	1.7	2.7	2.7	2.5	4.5	4.5	3.7	4.3	3.7	3.3	99
Primepak M	Asgrow	3.0	3.0	2.7	2.5	4.0	4.0	4.0	4.7	4.0	3.5	86
Discover M	Asgrow	3.7	3.0	2.3	3.0	5.0	4.0	3.7	3.3	4.0	3.5	80
XPH 1707	Asgrow	4.7	2.3	3.0	2.5	4.0	4.0	3.3	4.3	4.3	3.5	-
XPH 1682	Asgrow	3.7	3.3	3.3	2.5	3.5	3.0	4.7	5.0	4.3	3.6	80

Ratings: 1= most acceptable; 5= least acceptable

\* Is a general overall rating.

\*\* Includes shape, ridges & spines, exterior colour, crispness, firmness, placenta size and seed size.

\*\*\* % Recovery = percent usable fruit of total sample.

**Brine Stock Rating of Little Leaf Cucumbers - H.E.S. - Simcoe 1992**

Cultivar	Source	Shape	Ridges & Spines	External Colour	Internal Colour	Crispness	Firmness	Placenta Size	Seed size	Overall Quality*	Mean Quality**	% Recovery***
91-46	Univ. of Ark.	1.7	2.3	3.3	2.0	2.0	2.5	2.7	1.3	2.3	2.2	20
91-41	Univ. of Ark.	1.7	3.0	3.3	2.0	2.0	2.0	2.0	2.7	2.0	2.3	68
91-50	Univ. of Ark.	2.0	3.0	3.0	2.5	2.0	2.5	1.7	2.7	2.7	2.4	52
91-45	Univ. of Ark.	3.0	3.0	3.3	2.5	2.5	2.5	1.7	1.3	2.7	2.5	40
TX 92302	TAMU	3.0	2.7	3.3	2.5	2.0	2.0	3.0	3.3	3.0	2.7	96
91-47	Univ. of Ark.	2.7	2.7	3.3	2.5	3.5	4.0	2.3	1.0	3.0	2.8	72
TX 92303	TAMU	2.0	2.7	2.7	2.5	2.5	2.5	3.7	4.3	3.7	2.9	52
H-21	Peto	3.3	3.3	4.0	2.5	3.0	2.5	2.0	2.3	3.3	2.9	54
35-7	Univ. of Ark.	4.3	4.0	3.7	2.5	2.5	2.0	2.0	2.0	3.3	2.9	100
91-52	Univ. of Ark.	2.0	3.0	3.3	2.5	4.5	3.5	2.3	2.3	3.3	2.9	44
TX 92301	TAMU	3.0	2.7	3.0	2.5	4.0	3.5	2.7	2.3	3.0	3.0	50
H-19	Peto	3.7	3.0	3.3	2.5	2.5	3.0	3.3	3.7	3.7	3.1	88
TX 92304	TAMU	3.0	3.0	3.3	2.5	3.5	3.5	3.3	3.7	3.3	3.2	95

Ratings: 1= most acceptable; 5= least acceptable

\* Is a general overall rating.

\*\* Includes shape, ridges & spines, exterior colour, crispness, firmness, placenta size and seed size.

\*\*\* % Recovery = percent usable fruit of total sample.



**EFFECT OF ETHREL ON LITTLE LEAF CUCUMBERS**  
**H.E.S. Simcoe, 1992**

Treatment	Applied Leaf Stage	Fruit No./ Plant	No. Female/ 20 nodes	t/ha	\$/ha
Ethrel 100 ppm	3rd lf	21	2.5	43.0	\$12,532
Ethrel 250 ppm	3rd lf	21	3.4	42.6	\$12,340
Ethrel 100 ppm	5th lf	24	2.5	42.9	\$13,344
Ethrel 250 ppm	5th lf	29	3.4	51.3	\$16,481
Ethrel 100 ppm	7th lf	24	1.4	45.5	\$13,822
Control		20	1.0	39.1	\$11,829

Soil Type: Barrien Sandy Loam  
 Soil pH: 6.5  
 Seeding Date: May 27  
 Rows: 1.5 m  
 Plants: 15 cm  
 Plant Population: 44,444 plants/ha  
 Fertilizer: 320 kg/ha 34-0-0  
 Herbicide: Dyanap @ 15 L/ha  
 Harvest Dates: July 28 - August 31  
 Cultivar: H-21

**MUSKMELON CULTIVAR (OBSERVATION TRIAL, SIMCOE, 1992)**

Cultivar	Source	Marketable Yield			
		Early* (t/ha)	Total (t/ha)	Fruit No./Plant	Fruit wt. (kg)
Superstar	Harris Moran	10.3	35.4	3.4	1.9
NVH 896	Rogers NK	12.4	33.8	3.7	1.7
HMX 6593	Harris Moran	10.9	23.4	2.8	1.5
Rising Star	Harris Moran	11.7	18.0	2.3	1.4
LM 700	Leen De Mos	7.3	17.6	2.2	1.5
Early Dawn	Harris Moran	11.2	16.8	2.0	1.5
HMX 7601	Harris Moran	9.4	15.4	2.1	1.3
Summet	Asgrow	4.7	9.9	1.3	1.3
Fiola	Nunhems	5.7	7.3	1.6	0.9
Saticoy	Peto Seed	0.4	2.6	0.4	1.2
Scout	Shamrock	0.5	1.2	0.2	0.9

\* Yield to September 2

Seeded: April 27  
 Planted in Field: June 1  
 Plants/ha: 5,556  
 Fertilizer: 320 kg/ha 34-0-0  
 Harvested: Sept. 2 - Sept. 28

**MUSKMELON CULTIVAR (OBSERVATION TRIAL, SIMCOE, 1992), Cont'd**

Cultivar	Source	Melon Appearance				Vine Vigor (1-5)*	Seed Cavity Size**	Brix Sugar Test
		Sutures	Netting Coverage	Netting Texture	Shape			
Superstar	Harris Moran	deep	partial	course	round	2.5	M	11.1
NVH 896	Rogers NK	none	partial- full	medium- course	oval	2.0	S	12.0
HMX 6593	Harris Moran	medium	partial	course	round	2.3	M	13.1
Rising Star	Harris Moran	medium	partial	medium	round- oval	2.5	M	8.9
LM 700	Leen De Mos	slight	partial	fine	oval	2.3	S	10.8
Early Dawn	Harris Moran	small	full	medium	oval	3.8	S	8.2
HMX 7601	Harris Moran	medium	full	course	round	2.8	M-L	12.3
Summet	Asgrow	small - medium	full	medium- course	oval	2.2	S-M	10.2
Fiola	Nunhems	slight	partial	course	oval	3.5	M	11.4
Saticoy	Peto Seed	none	partial	course	oblong	2.7	S	12.2
Scout	Shamrock	none	full	course	oval	3.2	M	9.0

\* 1=excellent vine vigor; 5=No vigor, vine is dead.

\*\* S=small; M=medium; L=large

**Watermelon Cultivar Trial (Simcoe, 1992)**

Cultivar Source	Marketable Yield (t/ha)	Fruit Wt. (Kg)	Melon Colour	Flesh Colour	Shape	Seed Size	Rind Thickness	Vine Vigor
Mirage LS Asgrow	27.4	5.13	medium green - dark stripes	pink	oblong	M	L	1.3
Oasis Harris Moran	21.4	9.03	medium green - dark stripes	red	oblong	M-L	L	0.7
Crisby Nunhems	17.9	6.07	light stripes and - dark stripes	dark red	round - oblong	M	M	3.2
Blue Belle Asgrow	16.5	5.32	dark green	red	oblong	M	S-M	2.5
Paradise Harris Moran	16.2	5.86	medium green - thin dk. stripes	red	oblong	M	S-M	1.3
Crimson Glory Peto Seed	15.6	6.17	light green - wide dk. stripes	pink	oblong	M	M	1.3
Charleston Grey Ferry Morse	14.1	6.50	medium green	pink	oblong	M	L	1.3
Tiffany Asgrow	8.4	4.27	medium green - wide dk. stripes	red	round - oval	S	S	3.3
Royal Majesty Peto Seed	7.2	6.73	light green - wide dk. stripes	dark pink	oblong	M	L	1.5
Laurel Takii	3.2	3.25	medium green - wide dk. stripes	red	round	S	S-M	3.3
EXP 460009 Shamrock	2.9	2.28	dark green	red	round	S	S	3.5

\* S=small; M=medium; L=large; \*\* 1=excellent vine vigor, 5= No vigor, vine is dead.

Seeded: April 27  
 Planted inField: June 1  
 Plants / ha: 4,170  
 Fertilizer: 320 kg/ha 34-0-0  
 Harvested: September 28

### Pepper Cultivar Trial (Replicated), Simcoe, 1992

Variety Source	Marketable Yields		Fruit #/ Plant	Fruit Wt. (g)	Wall Thickness (mm)	Length/ Diameter	No. of Lobes	Non-Mkt Yield (t/ha)
	Early* (t/ha)	Total (t/ha)						
Bell King								
Harris Moran	0.62	32.4	9.2	240	6.13	1.39	3.7	12.0
Lady Bell								
Harris Moran	0.22	31.3	9.1	224	5.80	1.26	3.3	7.6
Carlos								
Nunhems	0.95	28.5	7.9	275	6.07	1.83	3.5	10.4
Estima								
Nunhems	1.22	25.7	8.7	233	6.60	2.21	3.5	11.1
Marengo								
Asgrow	0.00	24.1	7.9	231	6.79	1.28	3.7	8.9
Merlin								
Peto	0.51	23.8	7.4	226	6.27	1.07	3.5	7.9
Belmont								
Asgrow	1.46	23.2	6.8	259	7.34	1.35	3.7	8.5
Rebell								
Asgrow	0.81	23.0	7.4	241	6.51	1.18	3.3	9.5
North Star								
Peto	4.37	22.5	7.9	199	5.98	1.20	3.3	8.6
Domino								
Asgrow	0.56	22.2	9.4	149	6.43	1.48	3.3	14.3
Staddon Slct								
Stokes	0.35	22.1	8.4	207	5.80	1.23	3.5	9.6
Midway								
Stokes	0.41	21.6	8.6	207	6.61	1.13	3.5	11.0
Super Set								
Sakata	2.24	21.6	7.5	185	5.01	1.28	2.8	7.3
Skipper								
Asgrow	0.00	20.6	6.7	236	6.01	1.11	3.2	9.9
Ranger								
Asgrow	0.76	19.6	7.1	219	6.19	1.10	3.5	8.8
Bell Captain								
Peto	0.76	14.3	6.2	182	6.42	1.19	3.0	9.9

\* Yield to Sept 4

Seeded:	April 9
Transplanted:	April 24, 27
Planted in Field:	May 28
Plant Population:	22,222
Fertilizer:	100 kg/ha 34-0-0
Herbicides:	Treflan @ 1.5 L/ha
Harvested:	Sept.4 to Oct. 14

**Pepper Cultivar Trial (Observation), Simcoe, 1992**

Variety Source	Marketable Yields		Fruit #/ Plant	Fruit Wt. (g)	Wall Thickness (mm)	Length/ Diameter	No. of Lobes	Non-Mkt Yield (t/ha)
	Early* (t/ha)	Total (t/ha)						
Mayata								
Royal Sluis	0.00	33.3	8.5	246	6.67	1.47	3.5	7.7
0177								
Rogers N.K.	0.00	31.1	7.3	272	7.90	1.15	3.5	7.4
Bell Boy								
Peto	0.23	30.5	8.2	237	6.77	1.00	3.3	7.9
Jetta								
Leen de Mos	1.29	30.3	11.2	230	5.93	1.34	3.7	15.5
Pirati								
Johnny's	0.48	30.1	7.2	285	6.36	1.18	4.0	10.7
Honeybelle								
Harris Moran	0.00	29.9	7.6	238	6.00	1.34	3.3	6.5
Super sweet 860								
Abbot & Cobb	0.30	29.3	7.6	284	6.56	0.84	3.2	9.1
8207								
Rogers N.K.	1.29	26.3	8.9	214	6.86	1.03	3.7	9.5
HMX 7647								
Harris Moran	2.99	25.9	19.1	80	3.61	4.21	3.5	4.9
Flavor Fry								
Abbot & Cobb	1.44	25.4	14.2	140	4.83	2.11	3.2	12.2
Parma								
Leen de Mos	0.00	24.8	6.4	259	7.09	1.12	2.8	9.4
Goldie								
Stokes	2.13	22.4	10.0	149	6.70	1.57	3.3	5.5
Yankee Belle								
Johnny's	0.29	20.5	6.5	212	6.39	1.01	3.2	5.8
Marquis								
Rogers N.K.	2.23	20.0	6.2	251	7.27	1.71	3.5	9.1
Melody								
Asgrow	0.63	18.9	8.0	224	5.60	1.39	3.7	12.2

**Pepper Cultivar Trial (Observation), Simcoe, 1992. Continued**

Variety Source	Marketable Yields		Fruit #/ Plant	Fruit Wt. (g)	Wall Thickness (mm)	Length/ Diameter	No. of Lobes	Non-Mkt Yield (t/ha)
	Early* (t/ha)	Total (t/ha)						
Kerala								
Royal Sluis	2.68	18.1	7.7	187	5.70	1.21	3.5	7.9
HMX 8862								
Harris Moran	1.05	17.1	5.6	208	5.44	1.09	4.3	5.8
Petite Sirah								
Peto	1.43	16.3	48.2	20	4.40	3.15	3.0	5.8
Jingle Bells								
Peto	8.72	15.4	21.8	39	3.12	1.04	3.3	2.1
Yellow Belle								
Mike Kungl	1.39	14.5	6.1	178	6.36	1.25	4.0	4.9
Super Stuff								
Stokes	0.93	13.4	6.8	149	5.44	2.01	2.8	4.2
Yellow Belle								
Stokes	2.24	12.5	10.1	123	5.74	1.16	3.0	7.9
Giant Szegedi								
Stokes	0.40	11.4	5.2	137	6.79	1.71	3.3	2.4

\* Yield to Sept. 4

Seeded: April 9  
 Transplanted: April 24, 27  
 Planted in Field: May 28  
 Plant Population: 22,222  
 Fertilizer: 100 kg/ha 34-0-0  
 Herbicides: Treflan @ 1.5 L/ha  
 Harvested: Sept. 4 to Oct. 14

### BELL PEPPER CULTIVAR DESCRIPTIONS

- Bell Boy - Medium sized, block fruit, green to red. Average plant size, good foliage cover. Plant size medium, plant type normal.
- Jetta - Medium to large fruit size. Slightly elongated bell. Green to red. Excellent fruit set. Good foliage cover. Plant size medium to large, plant type normal to open.
- Parama - Medium sized block bell. Green to red colour. Excellent fruit set. Medium plant size, open tendency.
- Estima - Medium fruit size, elongated bell. Fairly good fruit set. Plant size is medium to large. Plant type open.
- Carlos - Medium to large fruit size. Blocky to elongated fruit. Green to red colour. Plant size medium to large. Plant type tending to be open. Mature fruit has a nice deep red colour.
- Super Sweet 860 - Medium to large fruit, blocky, green to yellow fruit colour. Plant size medium to large. Plant type normal.
- Flavor Fry - Very elongated bell. Excellent fruit set. Green to red colour. Plant size large, plant type tending to be open.
- Bell Captain - Blocky fruit, green to red, fruit size medium to large. Good fruit set. Plant size small to medium. Plant type normal.
- Yellow Belle - For the most part, it is a medium blocky bell, however, fruit size seems quite variable from large to small. Fruit goes from yellow to red. Plant size is small. Plant type open. Plants seems variable.
- Yankee Belle - Good fruit set, medium blocky bell, green to red. Plant size medium, plant type open.
- Pirati - Fruit is a large elongated bell. Good fruit set, fruit colour green to red. Plant size is large, plant type normal.
- Superset - Fruit size is small to medium, elongated bell. Excellent fruit set. Plant size is small, plant type is normal. Fruit has a tendency to have a "nipple". Fruit colour green to a nice dark red.
- HMX 7647 - Fruit goes from green to dark red. Excellent fruit set. Fruit is very narrow, pointed, elongated bell. Banana type almost. Medium plant size, open.
- Honey Belle - Fruit goes from green to yellow. Large elongated bell. Plant size medium to large, plant type normal. Good fruit set.
- Lady Bell - Fruit goes from green to dark red. Fruit size is medium, blocky bell. Excellent fruit set. Plant size average. Plant type tending to be open.
- Bell King - Medium to large fruit size, elongated bell. Excellent fruit set. Colour green to red. Plant size is large, plant type normal.
- Mayata - Medium, slightly elongated bell. Green to red fruit colour. Good fruit set. Plant size large, plant type normal.



- Kerala - Fruit colour from green to orange. Good fruit set. Fruit size medium, blocky to slightly elongated bell. Plant size average, plant type normal to open.
- Skipper - Fruit size is medium, some large. Fruit shape blocky to very slightly elongated. Excellent fruit set. Fruit green to red colour. Plant size medium, plant type normal.
- HMX 8862 - Fruit size medium, blocky to very slightly elongated. Fruit set variable, some excellent. Plant size small to medium, plant type open. Fruit colour green to red. Dark red colour. Plant size is variable, some very small plants.
- Belmont - Fruit size medium. Fruit shape blocky, some elongated. Fruit colour green to dark red. Fruit set good. Plant size average, plant type normal.
- Melody - Fruit large, elongated bell. Green to red colour. Plant size medium, plant type normal.
- Marengo - Excellent fruit set, fruit colour from green to orange. Fruit size medium to large, slightly elongated bell. Plant size medium, plant type normal.
- Domino - Fruit size is large, elongated bell. Green to red colour. Excellent fruit set. Plant size medium, plant type normal.
- Ranger - Medium to large, very blocky bell. Fruit colour green to dark red. Good fruit set. Plant size small to medium, plant type normal.
- Rebell - Fruit size small to medium. Blocky to slightly elongated bell. Green to red colour. Heavy fruit set. Plant size medium, plant type normal.
- Super Stuff - Fruit type elongated bell. Medium size. Fruit colour yellow to red. Plant size variable, mostly medium size, open type. Fruit set is variable, some very small fruit to larger fruit.
- Giant Szegedi - Fruit yellow to red. Elongated bell, two-lobed type. Fruit set variable. Fruit is pointed. Plant size medium, plant type tending to be open.
- Goldie - Fruit yellow to red colour. Fruit size small to medium, mostly two-lobed, elongated bell. Plant size large, plant type open.
- Yellow Belle - Fruit yellow to red. Fruit size small, pointed, two-lobed bell.
- Petite Sirah - Fruit yellow to red. This is not a bell, almost jalapeno type. Very large fruit number per plant. Very small fruit. Yellow to red. Plant size large, plant type normal to open.
- Jingle Bells - Very large fruit set, fruit small, cherry type. Green to red colour. Very dark red colour. Plants are loaded with fruit. Excellent uniformity of ripening. Very dark red colour. This fruit almost looks like a tomato or large cherry. Plant size is medium to large, plant type is normal to somewhat open. Very uniform plants.

- North Star - Good fruit set, medium fruit size, slightly elongated bell. Fruit colour green to dark red. Plant size average. Plant type tendency to be open. Plants uniform.
- Merlin - Medium sized fruit, blocky to elongated bell, green to dark red. Excellent fruit set. Plant size medium to large, plant type normal.
- Midway - Medium fruit size, blocky bell. Plant size medium to large, plant type open, green to red fruit.
- Staddon's Select -Plants are very similar to Midway. Plant size medium, plant type open. Fruit size medium, blocky bell. Fruit set average. Fruit green to red.
- NK 8207 - Medium fruit size, blocky bell. Green to red colour. Good fruit set. Plant size medium to large, plant type tending to be open.
- NK 0177 - Fruit is a medium blocky bell. Average to good fruit set, fruit green to red in colour. Plant size is medium to large, plant type normal. Plants uniform in the row.
- Marquis - Large, elongated bell. Average to good fruit set. Plant size large, plant type somewhat open. Fruit green to red.

**Banana Pepper Cultivar Trial (Observation), Simcoe, 1992.**

Cultivar Source	Marketable Fruit (t/ha)									Total
	> 12.5 cm			10.0 - 12.5 cm			< 10.0 cm			
	Red	Breaker	Yellow	Red	Breaker	Yellow	Red	Breaker	Yellow	
Volcano*										
Ferry Morse	4.4	2.7	3.0	2.5	4.5	3.4	0.04	1.49	5.51	27.6
Copacabana*										
Harris Moran	4.7	2.6	2.4	1.8	7.3	7.4	0.29	0.58	0.16	27.4
PSX 216590*										
Peto Seed	10.5	7.0	5.4	0.1	0.6	0.0	0.00	0.00	0.20	23.8
Hot Hungarian Wax*										
Harris Moran	3.3	2.7	0.0	2.2	6.1	1.8	0.62	2.18	3.69	22.7
Hungarian Sweet Wax										
Abbot & Cobb	3.6	4.7	5.3	0.2	1.9	3.3	0.04	0.27	0.31	19.6
Diablo Grande*										
Stokes	10.4	1.7	0.0	1.4	2.1	0.2	0.09	0.00	0.00	15.9
Crimson Hot*										
Stokes	5.6	3.0	1.0	1.0	1.6	1.8	0.00	0.29	1.00	15.4
PSR 213789*										
Peto Seed	0.0	0.0	0.0	4.2	0.1	0.8	2.87	2.96	4.31	15.3
Szentesi*										
Stokes	3.4	3.6	0.7	0.0	2.3	1.7	0.00	0.16	0.56	12.4
Banana Supreme										
Peto Seed	7.6	2.0	1.4	0.1	0.4	0.1	0.02	0.00	0.00	11.7
Escort*										
Leen de Mos	1.6	0.2	0.1	2.6	1.4	0.5	1.64	1.91	0.84	10.9

**Banana Pepper Cultivar Trial (Observation), Simcoe, 1992. (Continued)**

Cultivar Source	Marketable		L:D Ratio	Wall Thickness (mm)	Yields (t/ha)				Plant Size**	Plant Type***
	Fruit # / Plant	Fruit Wt. (g)			Immature	Crooked	Off Type	Culls		
Volcano*										
Ferry Morse	21.3	58.3	3.4	3.85	0.58	1.24	2.71	1.02	M-L	N
Copacabana*										
Harris Moran	24.4	50.5	3.6	3.05	0.67	1.82	0.64	0.42	M-L	N
PSX 216590*										
Peto Seed	14.2	75.6	5.3	4.58	0.27	3.53	0.00	1.47	M	N
Hot Hungarian Wax*										
Harris Moran	25.8	39.6	3.7	3.88	0.89	0.24	0.09	0.07	M	O
Hungarian Sweet Wax										
Abbot & Cobb	16.1	54.8	3.2	4.36	2.18	2.80	0.09	1.49	L	O
Diablo Grande*										
Stokes	11.7	61.0	4.0	3.97	0.04	1.62	0.00	2.64	M	N
Crimson Hot*										
Stokes	12.2	56.8	3.9	4.44	0.24	1.56	0.00	4.56	M	N
PSR 213789*										
Peto Seed	34.4	20.0	3.5	1.74	0.53	0.11	0.80	0.07	L	N
Szentesi*										
Stokes	4.0	139.8	2.3	5.27	0.18	2.11	0.09	5.18	S	O
Banana Supreme										
Peto Seed	6.8	77.4	3.9	4.21	0.16	3.11	0.18	2.29	M	O
Escort*										
Leen de Mos	20.1	24.4	5.0	2.89	1.78	1.53	0.00	4.64	M-L	N

\* Hot Banana; \*\* S=small; M=medium; L=large; \*\*\* N=normal; O=open

Seeded: April 9  
 Transplanted: April 24  
 Planted in Field: May 28  
 Plant Population: 22,222  
 Herbicide: Treflan @ 1.5 L/ha  
 Harvested: October 1

### BANANA PEPPER CULTIVAR DESCRIPTIONS

- Hungarian Sweet Wax - Banana type. Medium sized fruit. Yellow to red, average fruit set. Plant size large, plant type somewhat open.
- Banana Supreme - Large banana, yellow to red. Good fruit set. Plant size average, plant type open.
- PSR 213789 - Small fruit, short banana type. Fruit yellow to red. Average fruit set, plant size large, plant type normal.
- PSX 216590 - Good size, banana type. Yellow to red. Outstanding fruit set. Average size plant, plant type normal. This variety looks very impressive.
- Crimson Hot - Smaller fruited banana type. Yellow to dark red in colour. Average fruit set. Plant size medium, plant type normal. Uniform ripening, uniform plants in the row.
- Szentesi - Fruit looks like two-lobed bell type. Not typical banana type. Large fruit, good fruit set. Yellow to orange fruit. Plant size small, plant type open. Fruit yellow to red.
- Diablo Grande - Fruit size is variable, small and large fruit. Banana type. Yellow to red. Good fruit set. Plants are uniform, medium sized, normal plant type.
- Copacabana - Medium fruit size, yellow to red. Outstanding fruit set, medium to large plant, normal plant type, excellent foliage cover. Plant looks impressive.
- Volcano - Medium fruit size, variable fruit size on the plant, outstanding fruit set, green to red. Fruit green to yellow to red. Medium to large plant, good foliage colour, plant type normal.
- Escort - Banana type, small fruit, green to red, average fruit set. Fruit has a deep red colour when mature. Plant size medium to somewhat large, excellent foliage cover, plant type normal.
- Hot Hungarian Wax - Banana type fruit. Medium sized fruit, banana type. Outstanding fruit set, fruit going from yellow to orange to red. Plant size is medium, plant type somewhat open. Uniform plant size and ripening in the row. Outstanding yield. This variety looks impressive.

SEED SOURCE

- Abbott & Cobb, Box 307, Feasterville, PA 19053-0307, USA
- American Takii Inc, 301 Natividad Rd., Salinas, CA 93906, USA
- Asgrow Seed Co., Kalamazoo, MI 49001, USA
- Ferry Morse Seed Co., Box 4938, Mondesto, CA 95352-4938, USA
- Harris Moran Seed Co., 3670 Buffalo Rd., Rochester, NY 14624, USA
- Johnny's Selected Seeds, Foss Hill Rd., Albion, Maine 04910, USA
- Leen de Mos., Box 54, 2690 HB's, Gravenzande, Holland
- Nunhems Seed Corp., Box 18, Lewisville, ID 83431, USA
- Peto Seed Inc., 2477 Turk Hill Rd., Victor, NY 14564, USA
- Rogers NK Seed Co., Box 4188, Boise, Idaho 83711-4188, USA
- Royal Sluis, 1293 Harkins Rd., Salinas, CA 93901, USA
- Sakata Seed America Inc., Box 877, 18095 Serene Dr., Morgan Hill, CA 95037, USA
- Shamrock Seed Co. Inc., Box 4443, Salinas, CA 93912, USA
- Stokes Seeds Ltd., Box 10, St. Catharines, Ontario L2R 6R6
- Sun Seeds, 8850 59th Ave. N.E., Brooks, OR 97305-0008, USA

MONTHLY METEOROLOGICAL SUMMARY

SIMCOE - MAY 1992

Date	Temperature °C		Precipitation (mm)
	Maximum	Minimum	
1	18.7	4.6	0.00
2	22.8	8.2	16.60
3	15.8	5.5	0.20
4	12.2	5.4	0.00
5	12.9	4.3	0.00
6	13.6	2.4	0.00
7	19.9	2.2	0.00
8	18.8	6.9	2.60
9	21.2	10.0	0.00
10	23.3	11.0	0.20
11	24.9	9.3	0.00
12	27.5	11.3	0.00
13	23.7	9.3	0.00
14	17.2	4.2	0.00
15	21.8	4.3	0.00
16	25.8	8.3	0.00
17	28.5	13.8	2.80
18	18.1	7.0	0.00
19	24.3	5.2	0.00
20	24.4	9.4	0.00
21	26.3	9.9	0.00
22	28.5	10.0	0.00
23	28.0	8.6	1.60
24	12.6	4.4	4.40
25	13.3	2.3	0.00
26	12.6	5.9	0.40
27	18.3	6.8	0.20
28	17.9	6.5	0.00
29	22.4	4.0	0.00
30	14.2	10.7	11.40
31	14.5	11.7	3.40
Mean	20.1	7.2	43.80
Normal	18.7	6.5	71.5

MONTHLY METEOROLOGICAL SUMMARY

SIMCOE - JUNE 1992

Date	Temperature °C		Precipitation(mm)
	Maximum	Minimum	
1	24.0	11.5	0.00
2	24.0	9.0	0.00
3	25.8	9.6	0.00
4	25.6	13.0	2.80
5	21.5	14.9	3.80
6	25.4	15.5	0.00
7	21.8	15.1	14.00
8	23.0	10.8	0.00
9	23.0	10.3	0.00
10	26.7	8.1	0.00
11	25.1	11.7	0.00
12	28.8	10.2	0.00
13	30.3	14.9	0.00
14	29.9	14.5	0.00
15	21.5	10.7	0.00
16	25.5	8.7	0.00
17	28.8	12.7	0.40
18	26.7	17.2	19.40
19	19.5	9.1	0.20
20	10.7	6.3	0.00
21	10.2	5.3	0.40
22	19.4	3.8	0.00
23	18.7	5.5	8.40
24	14.9	11.5	4.00
25	2.7	7.6	0.20
26	23.8	9.5	1.20
27	22.2	12.4	0.20
28	23.8	9.4	0.00
29	27.3	13.1	0.00
30	26.2	14.9	0.00
Mean	23.2	10.9	55.00
Normal	24.4	11.9	70.60



**MONTHLY METEOROLOGICAL SUMMARY**

**SIMCOE - JULY 1992**

<b>Date</b>	<b>Temperature °C</b>		<b>Precipitation(mm)</b>
	<b>Maximum</b>	<b>Minimum</b>	
1	26.3	13.7	0.00
2	25.9	13.6	0.00
3	27.3	14.4	8.80
4	23.9	14.7	1.80
5	24.2	13.3	7.20
6	22.7	11.2	0.00
7	24.4	10.7	0.00
8	22.1	16.0	43.20
9	26.7	19.5	0.00
10	25.9	15.8	2.60
11	25.6	16.2	0.00
12	23.7	16.2	10.40
13	27.1	17.1	3.60
14	26.9	15.6	35.80
15	22.3	13.2	17.00
16	25.4	12.2	0.20
17	22.1	17.4	4.40
18	27.1	17.8	3.60
19	26.0	15.9	0.20
20	26.6	15.2	12.80
21	22.0	11.2	0.00
22	21.4	9.6	0.60
23	20.8	12.3	13.40
24	23.0	13.2	0.20
25	25.5	15.9	0.00
26	26.2	17.0	16.40
27	23.0	11.9	0.00
28	21.9	9.5	0.00
29	25.7	13.3	3.00
30	22.5	10.2	3.00
31	16.8	12.3	10.60
Mean	24.2	14.1	198.80
Normal	26.8	14.5	77.10

**MONTHLY METEOROLOGICAL SUMMARY**

**SIMCOE - AUGUST 1992**

<b>Date</b>	<b>Temperature °C</b>		<b>Precipitation (mm)</b>
	<b>Maximum</b>	<b>Minimum</b>	
1	25.0	10.9	0.00
2	24.1	16.9	0.00
3	22.8	16.2	56.00
4	21.9	13.0	6.80
5	24.2	10.5	0.20
6	24.8	11.0	0.00
7	25.7	12.5	0.00
8	27.0	19.2	15.00
9	24.5	15.4	0.00
10	29.1	13.0	15.80
11	24.4	14.9	0.20
12	21.8	10.7	0.00
13	18.9	11.8	10.60
14	20.4	10.9	0.00
15	20.4	11.0	0.20
16	21.7	14.5	7.40
17	24.1	12.8	0.00
18	23.8	10.4	1.60
19	22.0	10.8	0.20
20	22.5	7.9	0.00
21	25.0	8.4	0.00
22	25.7	8.3	0.20
23	27.0	12.6	0.00
24	28.6	18.5	0.00
25	29.1	19.1	0.00
26	29.3	20.0	0.00
27	22.7	18.3	0.00
28	20.2	12.8	50.20
29	20.6	11.4	0.00
30	22.4	16.8	0.60
31	20.2	10.9	0.00
Mean	23.9	13.3	165.00
Normal	25.6	13.6	78.90

**MONTHLY METEOROLOGICAL SUMMARY**

**SIMCOE - SEPTEMBER 1992**

<b>Date</b>	<b>Temperature °C</b>		<b>Precipitation(mm)</b>
	<b>Maximum</b>	<b>Minimum</b>	
1	23.0	11.1	0.00
2	21.9	10.4	2.40
3	24.2	16.1	17.20
4	24.0	12.4	0.20
5	27.8	10.2	2.00
6	25.5	20.1	0.00
7	26.4	18.8	0.00
8	24.3	12.3	10.40
9	21.7	11.0	15.00
10	21.8	12.0	5.40
11	17.9	7.7	0.00
12	19.0	4.3	0.00
13	22.0	8.1	0.20
14	24.7	11.6	0.00
15	26.7	15.5	0.20
16	27.1	18.6	0.60
17	25.5	20.0	0.00
18	22.7	13.1	23.00
19	18.1	7.9	0.00
20	19.4	6.7	0.20
21	21.5	12.6	19.20
22	20.4	6.8	10.20
23	14.1	3.4	0.00
24	17.4	3.4	0.00
25	19.1	4.2	0.00
26	20.2	11.2	0.00
27	19.5	11.1	3.40
28	20.0	7.4	0.00
29	11.5	3.7	0.00
30	12.9	3.3	0.00
Mean	21.3	10.5	109.60
Normal	21.6	9.6	82.50

**MONTHLY METEOROLOGICAL SUMMARY**

**SIMCOE - OCTOBER 1992**

Date	Temperature °C		Precipitation(mm)
	Maximum	Minimum	
1	19.1	2.8	0.00
2	21.8	11.7	0.00
3	23.6	10.3	0.00
4	16.5	5.6	0.00
5	14.1	1.6	0.00
6	14.4	1.6	0.00
7	18.4	2.2	0.00
8	19.0	5.7	1.40
9	16.9	11.6	11.00
10	18.3	11.6	11.80
11	13.8	6.6	10.20
12	16.3	5.1	1.00
13	13.1	1.0	0.20
14	10.1	3.6	1.40
15	11.4	8.3	23.00
16	16.4	4.1	6.80
17	9.1	2.4	0.00
18	6.7	-0.7	11.80
19	4.5	-2.7	0.40
20	5.1	-2.6	5.00
21	8.6	2.4	0.60
22	11.3	-1.2	0.00
23	17.6	1.8	0.20
24	16.9	4.3	1.00
25	9.9	-1.2	0.00
26	11.9	-2.0	0.00
27	11.0	0.0	0.00
28	13.1	1.0	0.20
29	12.8	0.9	0.20
30	6.9	-2.4	0.00
31	7.1	2.0	0.00
Mean	13.4	3.1	86.20
Normal	14.9	4.1	73.80

