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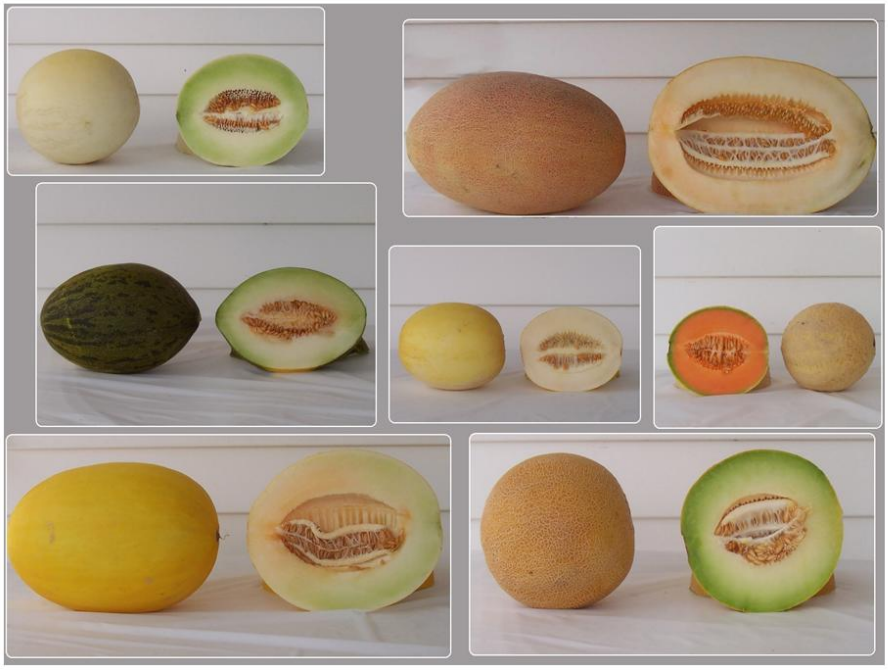

SPECIALTY MELON VARIETY TRIAL RESULTS 2010

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2010 University of Delaware Specialty Melon Variety Trial

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Introduction

The 2010 Specialty Melon Variety Trial included 26 varieties from five participating companies. The purpose of this trial is to evaluate specialty melon varieties for yield, quality and maturity. The trial included canary, galia, ananas, Tuscan, piel de sapo, honeydew and other specialty melon types. A list of the trialed varieties is below.

Variety	Type	Company
HSR 4402	Galia	Hollar Seeds
Courier	Galia	Hollar Seeds
Glory	Galia	Siegers Seed Co.
Royal	Galia	Siegers Seed Co.
Jazmo	Galia	Siegers Seed Co.
Arava	Galia	Siegers Seed Co.
Inbar	Galia	Siegers Seed Co.
Galia Max	Galia	Siegers Seed Co.
Estoril	Galia	Siegers Seed Co.
Visa	Galia	Siegers Seed Co.
HSR 4285	Galia	Siegers Seed Co.
Merak	Galia	Siegers Seed Co.
ACR 1056CN	Canary	Abbott & Cobb, Inc.
HSR 4325	Canary	Hollar Seeds
SME 6798	Canary	Sakata Seed America
Amy	Canary	check
SummerDew #252HQ	Honeydew	Abbott & Cobb
ACX 966HD	Honeydew	Abbott & Cobb
HSR 4347	Honeydew	Hollar Seed
Angelina	Honeydew	check
XLS #351	Tuscan	Abbott & Cobb, Inc.
ACX 4356XEA	Tuscan	Abbott & Cobb, Inc.
Sugar Cube	Mini Cantaloupe	Seneca Vegetable Research
Lambkin	Piel de Sapo	check
Sprite	Mini Asian	check
HSR 4300	Ananas	Hollar Seeds

Materials and Methods

Location

Field 2C at the University of Delaware Research and Education Center Farm, Georgetown, DE.

Cultural Practices

Field was fertilized according to soil test results. Beds were shaped and black plastic mulch and drip irrigation were laid on 7' centers.

Plants were seeded in the greenhouse on April 29, 2010 and transplanted to the field on June 1, 2010. Field plots were one row (7 ft) wide and 30 ft. long. Plots were arranged in a randomized complete block design with three replications. In-row spacing was 2' or 15 plants per plot. Replications were separated by drive rows. The beds next to the drive rows were planted with 'Angelina' honeydew melons and served as unharvested border rows.

An application of Gramoxone 2 pt/A + Sandea 0.75 oz/A + Prefar 5qt/A was made with a hooded sprayer on May 26, 2010, a few days before the field was planted. An additional application of Gramoxone 2 pt/A was made with a hooded sprayer on June18, 2010. Applications for disease and insect control were as follows: Bravo at 3 pt/A on 6-12,6-19, 6-26, 7-10,7-16, 7-24, 8-1, and 8-13; Previcur Flex at 1.2 pt/A on 7-1; Ranman at 2.75 oz/A on 7-16 and 8-1; Lamdastar at 4 oz/A on 7-16; Oberon 8 oz/A on 7-16.

Harvest

Melons were harvested on six dates: 7-27, 8-5, 8-11, 8-17, 8-20 and 8-25. The weight of each melon harvested was recorded individually. Five melons from each plot were cut and evaluated for soluble solids levels, flesh firmness, diameter and flesh thickness. Soluble solids were measured using a hand-held refractometer. Diameter and flesh thickness were measured with a metric ruler. Two firmness readings were taken from each of the five melons with a Wagner Fruit Tester Penetrometer (model FT20)

Results

Galia Melons

There were significant differences in yield among the twelve Galia melon varieties. The highest yielders in terms of lbs/A were Galia Max, Arava, and Glory. Most of the Galia varieties produced melons in the 2-5 lb range. Galia Max was the largest of the Galia varieties at an average of 6.09lbs and Estoril was the smallest at an average of 2.70 lbs. Visa was the earliest of the Galia melons and was first harvested at 56 days after transplant. All of the other varieties were first harvested 65 days after transplant except HSR 4402 which was somewhat later at 71 DAT.

HSR 4402 had significantly higher soluble solids than all of the other Galia varieties (15.1%). Jazmo, Estoril, Merak and Visa had significantly higher soluble solids (ranging from 12.1-12.7%) than the remaining seven varieties. Galia Max and HSR 4285 had average soluble solid levels less than 10%.

The varieties producing the best yields of high quality (high soluble solid) melons were Merak and Jazmo. Estoril produced very high quality melons with a distinctive interior color pattern,

but yields of this variety were lower. HSR 4402 yielded well and had high soluble solid levels but the flesh of this variety was extremely soft. Arava and Glory produced high yields and had acceptable, but not exceptionally high soluble solids. Galia Max and HSR 4285 had unacceptably low soluble solids.

Canary Melons

There were no significant differences in yield among the four canary melon varieties. HSR 4325 and ACR1056CN produced large melons averaging 6.74 and 6.29 lbs, respectively. SME 6798 and Amy were somewhat smaller at 5.15 and 4.33 lbs respectively. The four varieties were very similar in terms of maturity.

Amy had significantly higher soluble solids than the other three varieties (16.0%), although all of the canary melons had average solids >13%.

Honeydew Melons

There were significant differences in yield among the four honeydew melon varieties. HSR 4347 produced a significantly higher yield than SummerDew #252HQ and Angelina, and ACX 966HD produced a significantly higher yield than Angelina. All of the honeydew varieties produced similar size melons, averaging between 6.92 and 6.24 lbs. The varieties also had similar maturities of around 71 days, although ACX 966HD may be slightly earlier and Angelina slightly later. There were no significant differences in soluble solids between the varieties and all of the varieties produced high quality melons with soluble solids averaging 13.6% or greater.

Tuscan Melons

There were no significant differences between the two Tuscan melon varieties in terms of yield, or soluble solid content. XLS #351 was somewhat larger than ACX 4356XEA. Both varieties had severe cracking and splitting problems in the field, and marketable yields were low as a result.

Other Melon Types

HSR 4300, the only Ananas melon in the trial, produced a high yield of melons of impressive size (10.8 lbs average) and beauty. However they were extremely low in soluble solids (9.6%).

Sprite yielded well, despite the diminutive size if its fruit, and produced very high soluble solid melons.

Sugar Cube is an attractive mini cantaloupe which produced an acceptable yield of high quality melons.

Lambkin is a Piel de Sapo variety that produced high quality fruit, but a rather low yield.

Photographs of the varieties included in the trial are in Appendix A.

Acknowledgements

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Participating Seed Companies: Abbott & Cobb, Inc., Hollar Seeds, Sakata Seed America, Seneca Vegetable Research, Inc. and Siegers Seed Co.

Seedway, LLC for donating the seed for border rows.

Table 1. 2010 Specialty Melon Variety Trial: Varieties by Yield in Lbs/A

Variety	Yield (lbs/A)		Average Melon Weight (lbs)
Galia Max	37927	a	6.1
Arava	33533	ab	4.6
Glory	31887	ab	3.4
HSR 4347	31607	ab	6.2
HSR 4325	31258	ab	6.7
ACR 1056CN	30864	ab	6.3
HSR 4300	30863	ab	10.8
HSR 4402	29863	b	4.0
ACX 966HD	29680	bc	6.9
Inbar	29299	bcd	5.1
Merak	29297	bcd	4.1
Sprite	29093	bcd	1.6
Jazmo	29008	bcd	3.9
SME 6798	28449	bcd	5.1
Courier	28318	bcd	4.7
Amy	26642	bcde	4.3
Royal	26616	bcde	3.8
SummerDew #252HQ	22137	cdef	6.8
XLS #351	21712	def	6.1
Estoril	21660	def	2.7
HSR 4285	19701	ef	3.2
Angelina	19615	ef	6.6
Sugar Cube	19408	ef	2.6
Visa	19198	ef	3.8
ACX 4356XEA	18042	f	4.9
Lambkin	16515	f	3.7
p-value	***<0.0001***		
LSD	**7692.6**		

Table 2. 2010 Specialty Melon Variety Trial: Varieties by Yield in Melons/A

Variety	Yield (melons/A)		Average Melon Weight (lbs)
Sprite	18047	a	1.6
Glory	9403	b	3.4
Estoril	7952	bc	2.7
Sugar Cube	7537	cd	2.6
Jazmo	7468	cd	3.9
HSR 4402	7398	cd	4.0
Arava	7260	cde	4.6
Merak	7191	cde	4.1
Royal	6914	cde	3.8
Galia Max	6223	cdef	6.1
Amy	6154	cdef	4.3
HSR 4285	6154	cdef	3.2
Courier	5947	defg	4.7
Inbar	5739	defg	5.1
SME 6798	5532	efg	5.1
Visa	5048	fgh	3.8
HSR 4347	5047	fgh	6.2
ACR 1056CN	4909	fgh	6.3
HSR 4325	4633	fghi	6.7
Lambkin	4425	fghi	3.7
ACX 966HD	4287	ghi	6.9
ACX 4356XEA	3665	hi	4.9
XLS #351	3595	hi	6.1
SummerDew #252HQ	3250	hi	6.8
Angelina	2973	i	6.6
HSR 4300	2835	i	10.8
p-value	***<0.0001***		
LSD	**1839.2**		

Table 3. 2010 Specialty Melon Variety Trial: Varieties by Average Melon Weight and % of Melons in Each Size Class

Variety	Average Melon Weight (lbs)	Percent of Melons in Each Size Class							
		< 2.00 lbs	2.00-4.00 lbs	4.01-6.00 lbs	6.01-8.00 lbs	8.01-10.00 lbs	10.01-12.00 lbs	12.01-14.00 lbs	>14.00 lbs
HSR 4300	10.85		2.4		12.2	19.5	34.1	24.4	7.3
ACX 966HD	6.92		3.2	25.8	43.5	24.2	3.2		
SummerDew #252HQ	6.81			27.7	57.4	14.9			
HSR 4325	6.74		6.0	25.4	44.8	20.9	3.0		
Angelina	6.59		2.3	20.9	69.8	7.0			
ACR 1056CN	6.29		7.0	36.6	42.3	11.3	2.8		
HSR 4347	6.24		6.8	32.9	50.7	9.6			
Galia Max	6.09		6.7	51.1	28.9	8.9	3.3	1.1	
XLS #351	6.06		11.5	34.6	48.1	5.8			
SME 6798	5.15		18.8	58.8	22.5				
Inbar	5.11		20.5	55.4	22.9	1.2			
ACX 4356XEA	4.94		18.9	66.0	15.1				
Courier	4.73		38.4	46.5	14.0		1.2		
Arava	4.63		27.6	66.7	5.7				
Amy	4.33	2.2	37.1	50.6	10.1				
Merak	4.08	1.0	50.0	44.2	4.8				
HSR 4402	4.03		45.8	54.2					
Jazmo	3.85	1.9	50.9	44.4	2.8				
Royal	3.83	1.0	61.0	36.0	2.0				
Visa	3.77		67.1	31.5	1.4				
Lambkin	3.70		64.1	34.4	1.6				
Glory	3.40	2.2	83.1	14.0	0.7				
HSR 4285	3.17	2.2	82.0	15.7					
Estoril	2.70	10.4	87.8	1.7					
Sugar Cube	2.56	12.8	87.2						
Sprite	1.61	87.0	12.6	0.4					

Table 4. 2010 Specialty Melon Variety Trial: Percent (by Weight) of Total Melons Harvested on Each Harvest Date

Variety	Percent of Total Melons Harvested on Each Harvest Date					
	27-Jul	5-Aug	11-Aug	17-Aug	20-Aug	25-Aug
	56*	65	71	77	80	85
Visa	43.6	43.1	5.3		5.5	2.5
Galia Max		80.7	13.7	2.4		3.2
HSR 4285		79.1	11.0	7.5	1.8	0.7
Arava		68.7	20.6	3.5	7.3	
Merak		58.4	26.1	5.3	9.1	1.1
Estoril		58.1	28.2	3.9	8.5	1.3
Courier		56.3	12.8	16.6	10.0	4.3
Lambkin		55.4	26.8	7.1	5.8	4.9
Sugar Cube		48.3	34.5	2.8	12.7	1.7
Glory		44.3	29.4	9.3	16.4	0.6
Inbar		41.5	38.1	9.3	8.3	2.8
Jazmo		32.5	54.8	7.2	5.5	
Royal		32.1	51.9	6.8	7.5	1.7
HSR 4300		20.3	60.4	14.6	1.8	3.0
SME 6798		11.4	51.2	14.1	19.6	3.7
Sprite		8.1	36.0	37.5	10.2	8.2
ACR 1056CN		2.7	56.0	36.4	4.9	
ACX 966HD		2.1	51.0	15.7	19.1	12.2
HSR 4325		1.8	55.1	18.7	17.7	6.8
XLS #351		1.1	45.3	50.5	3.1	
ACX 4356XEA			75.4	18.7	5.9	
Amy			74.2	18.9	6.9	
SummerDew #252HQ			62.3	17.5	15.2	5.0
HSR 4347			53.8	20.4	16.0	9.7
Angelina			47.7	11.1	16.9	24.3
HSR 4402			21.3	56.9	13.6	8.1

*Days After Transplanting

Table 5. 2010 Specialty Melon Variety Trial: Varieties by Soluble Solid Content

Variety	% Soluble Solids	
Amy	16.0	a
Sprite	15.6	a
HSR 4402	15.1	ab
HSR 4347	14.5	bc
Lambkin	14.3	bcd
ACR 1056CN	13.7	cde
SummerDew #252HQ	13.7	cde
Angelina	13.6	cdef
ACX 966HD	13.6	cdef
SME 6798	13.5	def
XLS #351	13.5	def
Sugar Cube	13.4	def
HSR 4325	13.0	efg
ACX 4356XEA	12.8	fg
Jazmo	12.7	fg
Estoril	12.3	g
Merak	12.3	g
Visa	12.1	g
Arava	11.0	h
Inbar	10.9	h
Courier	10.9	h
Glory	10.6	hi
Royal	10.3	hi
Galia Max	9.9	i
HSR 4285	9.7	i
HSR 4300	9.6	i
p-value	***<0.0001***	
LSD	**0.97**	

Table 6. 2010 Specialty Melon Variety Trial: Varieties by Melon Diameter in Centimeters

Variety	Melon Diameter (cm)	
HSR 4300	19.7	a
HSR 4347	18.3	b
Angelina	18.2	b
ACX 966HD	17.9	bc
ACR 1056CN	17.7	bc
SummerDew #252HQ	17.7	bc
HSR 4325	17.7	bc
Galia Max	17.2	cd
Amy	16.7	de
XLS #351	16.4	df
Courier	16.3	ef
Inbar	16.2	ef
SME 6798	16.2	ef
Arava	15.9	f
ACX 4356XEA	15.8	fg
HSR 4402	15.1	gh
Merak	15.1	gh
Jazmo	15.0	h
Visa	14.9	h
Royal	14.8	hi
Glory	14.6	hij
HSR 4285	14.1	ijk
Lambkin	14.0	jk
Estoril	13.5	k
Sugar Cube	12.6	l
Sprite	10.7	m
p-value	***<0.0001***	
LSD	**0.79**	

Table 7. 2010 Specialty Melon Variety Trial: Varieties by Flesh Thickness in Centimeters

Variety	Flesh Thickness (cm)	
SummerDew #252HQ	5.3	a
ACX 966HD	5.3	ab
HSR 4347	5.3	ab
Galia Max	5.3	ab
XLS #351	5.3	ab
HSR 4300	5.2	ab
Courier	5.2	abc
Angelina	5.1	abc
ACX 4356XEA	5.1	abcd
HSR 4325	5.1	abcde
Inbar	5.0	abcdef
Visa	4.9	bcdefg
HSR 4402	4.8	cdefgh
Jazmo	4.8	cdefgh
ACR 1056CN	4.7	defghi
Royal	4.6	efghi
SME 6798	4.6	fghi
Glory	4.5	ghi
Merak	4.5	ghi
HSR 4285	4.5	ghij
Amy	4.4	hij
Estoril	4.3	ij
Arava	4.3	ijk
Sugar Cube	4.1	jk
Lambkin	3.9	k
Sprite	2.7	l
p-value	***<0.0001***	
LSD	**0.42**	

Table 8. 2010 Specialty Melon Variety Trial: Varieties by Cavity Size as a Percent of Diameter

Variety	Cavity Size as a % of Diameter	
Sprite	50.0	a
Amy	46.9	ab
ACR 1056CN	46.8	abc
HSR 4300	46.7	abc
Arava	45.4	bcd
Lambkin	44.0	bcde
SME 6798	43.3	bcde
Angelina	43.2	bcde
HSR 4325	42.4	cdef
HSR 4347	42.2	defg
ACX 966HD	40.9	efgh
SummerDew #252HQ	39.8	efghi
Merak	39.7	efghi
Inbar	38.6	fghij
Galia Max	38.3	fghij
Glory	37.9	ghij
Royal	37.5	hij
HSR 4402	37.0	hij
Courier	36.8	hij
HSR 4285	36.7	hij
Jazmo	36.1	ij
ACX 4356XEA	36.0	ij
Estoril	35.7	ij
XLS #351	35.6	ij
Sugar Cube	35.2	j
Visa	34.7	j
p-value	***<0.0001***	
LSD	**4.45**	

Table 9. 2010 Specialty Melon Variety Trial: Varieties by Flesh Firmness in Kilogram-Force

Variety	Flesh Firmness (kgf)	
Merak	3.2	a
Angelina	2.9	ab
Glory	2.7	bc
Sprite	2.6	bcd
ACX 966HD	2.5	cd
XLS #351	2.5	cd
SummerDew #252HQ	2.3	de
Royal	2.3	de
Lambkin	2.2	ef
ACR 1056CN	2.1	efg
HSR 4325	2.1	efg
Jazmo	2.0	efgh
Estoril	2.0	efgh
ACX 4356XEA	1.9	fghi
SME 6798	1.8	ghij
HSR 4347	1.7	hijk
Amy	1.7	ijkl
Arava	1.7	ijkl
Sugar Cube	1.6	jkl
HSR 4300	1.5	jkl
Galia Max	1.5	klm
HSR 4285	1.4	lmn
Visa	1.4	lmn
Courier	1.2	mnp
Inbar	1.1	no
HSR 4402	0.9	o
p-value	***<0.0001***	
LSD	**0.33**	

APPENDIX A:

Photographs of Varieties in the 2010 Specialty Melon Variety Trial

Galia Melons

Galia Max

Yield
37,927 lbs/A (1)
6,223 melons/A (10)
Mean Weight: 6.09 lbs (8)
Soluble Solids: 9.9% (24)
First Harvest: 65 DAT

Siegers

Arava

Yield
33,533 lbs/A (2)
7,260 melons/A (7)
Mean Weight: 4.63 lbs (14)
Soluble Solids: 11.0% (19)
First Harvest: 65 DAT

Siegers

Glory

Yield
31,887 lbs/A (3)
9,403 melons/A (2)
Mean Weight: 3.40 lbs (22)
Soluble Solids: 10.6% (22)
First Harvest: 65 DAT

Siegers

*Numbers in parenthesis are the rank of the variety for this characteristic out of the 26 varieties.

Galia Melons

HSR 4402

Yield
29,863 lbs/A (8)
7,398 melons/A (6)
Mean Weight: 4.03 lbs (17)
Soluble Solids: 15.1% (3)
First Harvest: 71 DAT

Hollar

Inbar

Yield
29,299 lbs/A (10)
5,739 melons/A (14)
Mean Weight: 5.11 lbs (11)
Soluble Solids: 10.9% (20)
First Harvest: 65 DAT

Siegers

Merak

Yield
29,297 lbs/A (11)
7,191 melons/A (8)
Mean Weight: 4.08 lbs (16)
Soluble Solids: 12.3% (16)
First Harvest: 65 DAT

Siegers

*Numbers in parenthesis are the rank of the variety for this characteristic out of the 26 varieties.

Galia Melons

Jazmo

Yield
29,008 lbs/A (13)
7,468 melons/A (5)
Mean Weight: 3.85 lbs (18)
Soluble Solids: 12.7% (15)
First Harvest: 65 DAT

Siegers

Courier

Yield
28,318 lbs/A (15)
5,947 melons/A (13)
Mean Weight: 4.73 lbs (13)
Soluble Solids: 10.9% (20)
First Harvest: 65 DAT

Hollar

Royal

Yield
26,616 lbs/A (17)
6,914 melons/A (9)
Mean Weight: 3.83 lbs (19)
Soluble Solids: 10.3% (23)
First Harvest: 65 DAT

Siegers

*Numbers in parenthesis are the rank of the variety for this characteristic out of the 26 varieties.

Galia Melons

Estoril

Yield
21,660 lbs/A (20)
7,952 melons/A (3)
Mean Weight: 2.70 lbs (24)
Soluble Solids: 12.3% (16)
First Harvest: 65 DAT

Siegers

HSR 4285

Yield
19,701 lbs/A (21)
6,154 melons/A (11)
Mean Weight: 3.17 lbs (23)
Soluble Solids: 9.7% (25)
First Harvest: 65 DAT

Siegers (Hollar)

Visa

Yield
19,198 lbs/A (24)
5,048 melons/A (16)
Mean Weight: 3.77 lbs (20)
Soluble Solids: 12.1% (18)
First Harvest: 56 DAT

Siegers (Hollar)

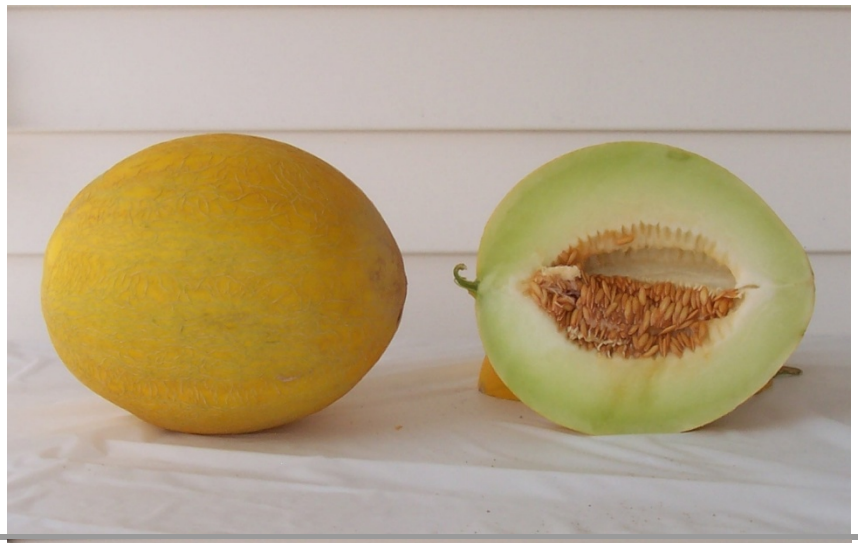
*Numbers in parenthesis are the rank of the variety for this characteristic out of the 26 varieties.

Canary Melons

HSR 4325

Yield
31,258 lbs/A (5)
4,633 melons/A (19)
Mean Weight: 6.74 lbs (4)
Soluble Solids: 13.0% (13)
First Harvest: 65 DAT

Hollar



ACR 1056CN

Yield
30,864 lbs/A (6)
4,909 melons/A (18)
Mean Weight: 6.29 lbs (6)
Soluble Solids: 13.7% (6)
First Harvest: 65 DAT

Abbott & Cobb

SME 6798

Yield
28,449 lbs/A (14)
5,532 melons/A (15)
Mean Weight: 5.15 lbs (10)
Soluble Solids: 13.5% (10)
First Harvest: 65 DAT

Sakata

*Numbers in parenthesis are the rank of the variety for this characteristic out of the 26 varieties.

Canary Melons

Amy

Yield
26,642 lbs/A (16)
6,154 melons/A (11)
Mean Weight: 4.33 lbs (15)
Soluble Solids: 16.0% (1)
First Harvest: 71 DAT

check

*Numbers in parenthesis are the rank of the variety for this characteristic out of the 26 varieties.

Honeydew Melons

HSR 4347

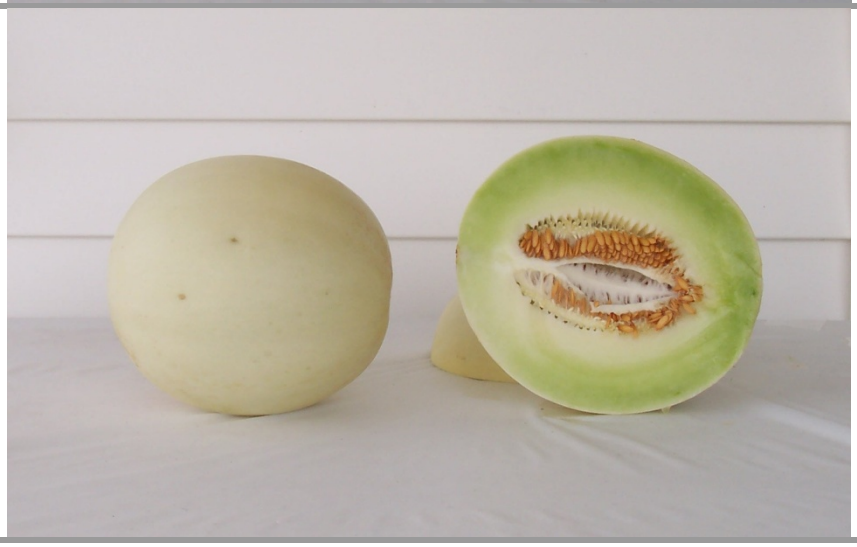
Yield
31,607 lbs/A (4)
5,047melons/A (17)
Mean Weight: 6.24 lbs (7)
Soluble Solids: 14.5% (4)
First Harvest: 71 DAT

Hollar

ACX 966HD

Yield
29,680 lbs/A (9)
4,287 melons/A (21)
Mean Weight: 6.92 lbs (2)
Soluble Solids: 13.6% (8)
First Harvest: 65 DAT

Abbott & Cobb



SummerDew #252HQ

Yield
22,137 lbs/A (18)
3,250 melons/A (24)
Mean Weight: 6.81 lbs (3)
Soluble Solids: 13.7% (6)
First Harvest: 71 DAT

Abbott & Cobb

*Numbers in parenthesis are the rank of the variety for this characteristic out of the 26 varieties.

Honeydew Melons

Angelina

Yield
19,615 lbs/A (22)
2,973 melons/A (25)
Mean Weight: 6.59 lbs (5)
Soluble Solids: 13.6% (8)
First Harvest: 71 DAT

check

*Numbers in parenthesis are the rank of the variety for this characteristic out of the 26 varieties.

Tuscan Melons

XLS #351

Yield
21,712 lbs/A (19)
3,595 melons/A (23)
Mean Weight: 6.06 lbs (9)
Soluble Solids: 13.5% (10)
First Harvest: 65 DAT

Abbott & Cobb

ACX 4356XEA

Yield
18,042 lbs/A (25)
3,665 melons/A (22)
Mean Weight: 4.94 lbs (12)
Soluble Solids: 12.8% (14)
First Harvest: 71 DAT

Abbott & Cobb

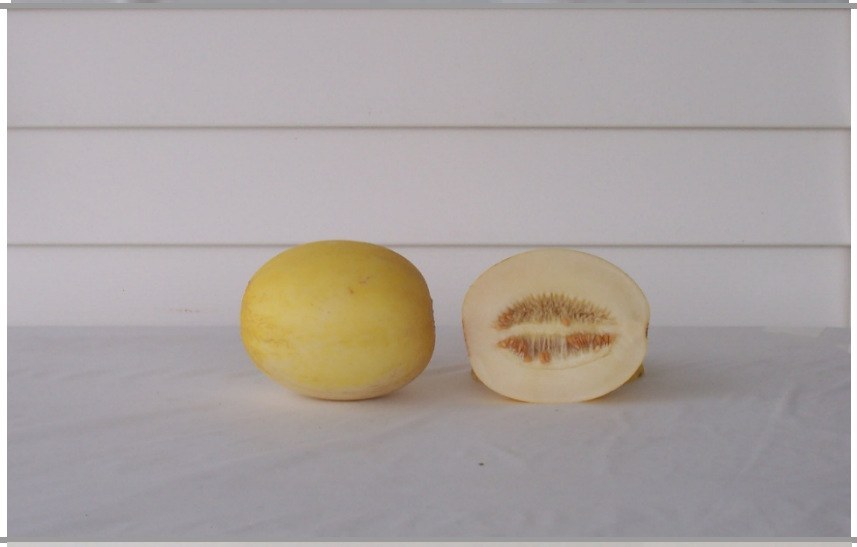
*Numbers in parenthesis are the rank of the variety for this characteristic out of the 26 varieties.

Other Melon Types

HSR 4300

Yield
30,863 lbs/A (7)
2,835 melons/A (26)
Mean Weight: 10.85 lbs (1)
Soluble Solids: 9.6% (26)
First Harvest: 65 DAT

Hollar



Sprite

Yield
29,093 lbs/A (12)
18,047 melons/A (1)
Mean Weight: 1.61 lbs (26)
Soluble Solids: 15.6% (2)
First Harvest: 65 DAT

Check

Sugar Cube

Yield
19,408 lbs/A (23)
7,537 melons/A (4)
Mean Weight: 2.56 lbs (25)
Soluble Solids: 13.4% (12)
First Harvest: 65 DAT

Seneca Vegetable Research

*Numbers in parenthesis are the rank of the variety for this characteristic out of the 26 varieties.

Other Melon Types

Lambkin

Yield
16,515 lbs/A (26)
4,425 melons/A (20)
Mean Weight: 3.70 lbs (21)
Soluble Solids: 14.3% (5)
First Harvest: 65 DAT

check

*Numbers in parenthesis are the rank of the variety for this characteristic out of the 26 varieties.

APPENDIX B:
Weather Summary for the 2010 Specialty Melon Variety Trial
June 1st (transplanting) – August 25th (final harvest)

Appendix B: Weather Summary for the 2010 Specialty melon Variety Trial
June 1st (transplanting) – August 25th (final harvest)

DAT	Date	Max Temp °F	Min Temp °F	Rainfall (in.)
0	1-Jun	85.5	69.8	0
1	2-Jun	89.3	68.2	0
2	3-Jun	88.4	69.3	0
3	4-Jun	89.8	68.1	0
4	5-Jun	90.5	75.3	0
5	6-Jun	90.3	67	0
6	7-Jun	76.1	58.9	0
7	8-Jun	76.5	55.7	0
8	9-Jun	72.3	57.3	0
9	10-Jun	87.2	68.8	0
10	11-Jun	80.3	60.2	0
11	12-Jun	86.6	61.9	0
12	13-Jun	92.4	73.8	0
13	14-Jun	87.3	68	0
14	15-Jun	78.6	67.7	0
15	16-Jun	83.3	66.7	0
16	17-Jun	85.5	66.5	0
17	18-Jun	82.9	57.9	0
18	19-Jun	88.1	61.2	0
19	20-Jun	93.7	72	0
20	21-Jun	90.5	66.6	0
21	22-Jun	92.8	66.3	0
22	23-Jun	91.9	68.5	0
23	24-Jun	94.7	74.1	0
24	25-Jun	87.3	71	0
25	26-Jun	89.1	67.4	0
26	27-Jun	94.3	73	0
27	28-Jun	94.9	76.8	0.23
28	29-Jun	88.6	76.3	0.05
29	30-Jun	79.7	58.9	0
30	1-Jul	77.4	57.3	0
31	2-Jul	78.8	53.7	0
32	3-Jul	85.1	55.4	0
33	4-Jul	90.7	63	0
34	5-Jul	96	68	0
35	6-Jul	100.5	68.9	0
36	7-Jul	95.5	72.8	0
37	8-Jul	84.3	73.4	0
38	9-Jul	87.4	71.8	0.02
39	10-Jul	76.9	70.3	1.15
40	11-Jul	86.9	68.5	0.01
41	12-Jul	88.1	67.5	0
42	13-Jul	86.8	73.5	0.31
43	14-Jul	81.3	72.5	0.03
44	15-Jul	88.1	71.3	0
45	16-Jul	93.4	73.2	0

DAT	Date	Max Temp °F	Min Temp °F	Rainfall (in.)
46	17-Jul	91.1	75.1	0
47	18-Jul	92.3	72.8	0
48	19-Jul	88.6	74.9	0
49	20-Jul	92.2	73.4	0
50	21-Jul	90.7	73.6	0
51	22-Jul	91.2	72.1	0
52	23-Jul	94.8	72.1	0
53	24-Jul	97.9	79.7	0
54	25-Jul	97.9	72.2	0.09
55	26-Jul	84.7	66.9	0
56	27-Jul	88.3	61.5	0
57	28-Jul	89.8	72.9	0
58	29-Jul	90.8	74.4	0.78
59	30-Jul	81.9	65.1	0
60	31-Jul	85.7	60.4	0
61	1-Aug	80.9	66.3	0.08
62	2-Aug	81.8	68.5	0
63	3-Aug	87.5	65.3	0
64	4-Aug	88.8	73.8	0
65	5-Aug	94.4	73.8	0.36
66	6-Aug	88.5	69.2	0
67	7-Aug	87.2	64	0
68	8-Aug	89.2	65.6	0
69	9-Aug	92.2	71.1	0.01
70	10-Aug	96.1	73.1	0
71	11-Aug	93.7	74.4	0
72	12-Aug	85	73.1	0.54
73	13-Aug	79.8	70.1	0
74	14-Aug	80.4	62.9	0
75	15-Aug	81.4	67	0
76	16-Aug	90.7	73	0
77	17-Aug	83.2	75.5	0
78	18-Aug	76.6	68.3	0.69
79	19-Aug	86.1	69.7	0
80	20-Aug	89.9	68.4	0
81	21-Aug	88.7	65.1	0
82	22-Aug	85.5	72.5	0.34
83	23-Aug	82.3	67.8	0
84	24-Aug	71.2	65.2	0.01
85	25-Aug	76.6	62.8	0