

**1993 CANTALOUPE VARIETY TRIAL
(EXTENSION)
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Location: Research & Education Center, Georgetown, DE

Objective: To evaluate new cantaloupe varieties (Eastern and Specialty types) under Delaware conditions.

Production Practices:

Plot Design:	1 row plots, non-replicated, transplants on black plastic mulch with trickle irrigation, 10 plants per variety, 3' x 6' spacing
Planting Dates:	Greenhouse - April 29, 1993 Field - June 9, 1993
Fertilizer:	1500 lbs of 10-10-10
Fungicide:	Bravo - 2 pts/A + Bayleton 2 oz/A, 7 day schedule
Harvest:	The cantaloupes were harvested as they would be commercially. Each melon was weighed and soluble solids were taken for each variety. Harvest began on 8-2-93 and ended on 8-27-93.

Comments:

Variety Sun-7032 was the highest yielding variety in the trial, followed closely by Sun-7002, Cordele, and ACR-92M015. Cucumber Beetle pressure was extremely heavy. Sprays were applied for control, but bacteria wilt was still present in the trial. Those varieties affected have been marked in the results. As indicated by yields, many of the specialty types were most susceptible to the bacterial wilt. Yields, average weights, soluble solids, # of melons harvested per day, exterior and interior color, flesh color as well as cavity size are listed for each variety in the results.

1993 CANTALOUPE VARIETY TRIAL

Variety	Type	Days to Maturity	Total Melons/A	Average Wt.(lbs)	Lg. Wt.(lbs)	Sm. Wt.(lbs)	S.S.	Immature Color	Mature Color	Flesh Color	Cavity Size	Source
HMX-7601	Eastern	85	2178	5.47	7.50	2.75	9.8	Green	Yellow	Orange	Sm-Med	Harris Moran
Super Nova	Eastern	88	2904	7.58	10.75	5.75	8.1	Green	Yellow	Orange	Med	Burpee/Ball Seed
Honey Brew	Honeydew	105	1694	8.65	12.31	6.63	10.0	White	Whitish-Yellow	White-Green	Sm-Med	Sakata
Cordele	Eastern	85	4598	7.93	8.31	4.50	9.7	Green	Yellow	Orange	Med	Asgrow
Sweet Dreams*	Galia	79	2420	5.50	8.50	3.31	10.4	Dk.Green	Green/Yellow	White	Sm-Med	Burpee/Ball Seed
Summer Dream	Chalontais	100	2420	6.59	8.50	4.38	15.7	White	Whitish-Yellow	Orange	Med	American Takii
Magic-to-Dew*	Honeydew	90	1936	8.03	11.00	4.75	10.2	White	White-Yellow	lt.Green	Med-Lg	Abbott & Cobb
SME-0403*	Honeydew	103	1936	6.79	8.38	5.31	14.2	White	Whitish-Yellow	Orange	Sm-Med	Sakata
SUN-7002	Eastern	80	4598	5.35	6.56	2.56	10.5	Green	Yellow	Orange	Sm-Med	Sunseeds
Moonshine*	Honeydew	100	1210	9.84	12.88	7.88	14.0	White	Whitish-Yellow	Green	Med	Asgrow
Temptation*	Honeydew	103	1452	7.20	8.00	5.00	13.6	White	White-Yellow	Orange	Med	Sakata
Tasty Sweet*	Western	80	3630	4.07	6.06	1.69	10.0	Dk.Green	Yellow/Dk.Grn.	Orange	Med	Sunseeds
ACR-91M003	Eastern	80-85	3388	4.85	8.69	2.31	10.9	Green	Yellow	Orange	Sm-Med	Abbott & Cobb
XPH-6117*	Eastern	80	2662	6.52	9.88	2.25	10.0	Green	Yellow	Orange	Sm-Med	Asgrow
Zenith	Eastern	80	3146	6.04	8.00	3.69	12.4	Green	Yellow	Orange	Sm	Sunseeds
XPH-6119*	Eastern	80	2662	5.65	8.38	1.94	10.8	Green	Yellow	Orange	Med	Asgrow
Athena	Eastern	80	3388	5.16	9.00	2.25	10.4	Green	Yellow	Orange	Sm-Med	Rogers NK
Golden Harvest	Eastern	87	3872	5.68	6.94	4.19	10.1	Green	Yellow	Orange	Med	Agway
XPH-6078*	Canary-Honeydew	95	968	5.38	7.75	3.63	11.7	Green	Yellow	Grnish/White	Sm-Med	Asgrow

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ACR-92M015	Eastern	80-85	4598	6.18	7.00	4.25	8.0	Green	Yellow	Orange	Med	Abbott & Cobb
SUN-7032	Eastern	80	4840	5.07	6.50	3.56	9.8	Green	Yellow	Orange	Med	Sunseeds
Crete*	Persian	90-95	3146	5.53	8.38	3.31	14.7	Dk.Green	Dk.Grn. Yellow	White	Med	American Takii
Carnival*	Crenshaw	114	2178	10.98	12.75	8.25	13.4	Dk.Green	Dk.Grn. Yellow	Orange	Med-Lg	Sakata
SUN-7049*	Honeydew	100	2420	7.14	11.00	3.50	12.2	White	Whitish-Yellow	Green-White	Sm-Med	Sunseeds
Bredor	Eastern	85	3146	6.04	8.88	3.19	10.8	Green	Yellow	Orange	Med	Vilmorin
Super Star	Eastern	85	3630	8.27	12.38	5.44	12.3	Green	Yellow	Orange	Med	---

*Bacterial Wilt present.

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Harvests: Melons, / (From 10 plants)

Variety	8/2/93	8/3/93	8/4/93	8/5/93	8/9/93	8/10/93	8/13/93	8/16/93	8/18/93	8/20/93	8/24/93	8/27/93	Total
HMX-7601					1		4	2	1	1			9
Super Nova						2	1	7	2				12
Honey Brew									4		2	1	7
Cordele			2		3	3	3	3	4		1		19
Sweet Dreams			1		3		4		1	1			10
Summer Dream								6	2	1		1	10
Magic-to-Dew									1			7	8
SME-0403								2	5	1			8
SUN-7002	2						3	8	3	3			19
Moonshine								1		1		3	5
Temptation								3		1		2	6
Tasty Sweet					3		6	6					15
ACR-91M003					5		3	4	1	1			14
XPH-6117	3		1				5	2					11
Zenith			2		5		1	5					13
XPH-6119		5			3		3						11
Athena		1		1	5		5	1	1				14
Golden Harvest			1	1	7	3	3	1					16
XPH-6078						1		1		2			4
ACR-92M015					5	2	4	7	1				19
SUN-7032				1	8	2	4	3	2				20
Crete						1		9	2	1			13
Carnival								1	2	6		1	10
Sun-7049								4	3			3	10
Bredor		3	2		3	1	2		2				13
Super Star				3	7	2	1	1	1				15