

**1990 SEEDLESS WATERMELON TRIAL  
(EXTENSION)  
TRACY WOOTTEN AND ED KEE**

**Location:** Research & Education Center, Georgetown

**Objective:** Evaluate unique types of cantaloupes, which have increased in popularity here on Delmarva

**Production Practices:**

<b>Plot Design:</b>	1 row plots, non-replicated; planted on black plastic mulch with trickle irrigation; 10 plants per variety; 3' spacing
<b>Planting Date:</b>	Greenhouse - May 3, 1990 Field - May 31, 1990
<b>Population:</b>	2420 plants/acre
<b>Pollinator Variety:</b>	Sugar Baby
<b>Fertilizer:</b>	1071 lbs. 14-7-14/A
<b>Fungicide:</b>	Dithane - 3 lbs/A on a 7 day schedule
<b>Harvest:</b>	Began - July 27, 1990 Ended - August 24, 1990 The watermelons were picked as they would be picked commercially. Each watermelon was weighed and soluble solids were taken of each variety.

**Results:** See Table

**Comments:** Thirteen (13) varieties of seedless watermelons were evaluated. "Crimson Trio" resembled the seeded variety Crimson Sweet in color and shape. It had good size, internal color and quality. The variety "Laurel" resembled Crimson Sweet, had good quality, color and the highest percentage soluble solids in the trial. "Queen of Hearts" was the largest melon in the trial, averaging 12 lbs/melon. This variety had good yield, quality, and resembles the seeded variety Jubilee in exterior coloring and shape. S.s. 5032 is a good yielder, early, good internal color, sweet and resembles Crimson Sweet in exterior coloring and shape.

## 1990 SEEDLESS WATERMELON TRIAL

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<u>Variety</u>	<u>Total Melons/A</u>	<u>Date of 1st Pick</u>	<u>Date of Last Pick</u>	<u>Peak Pick</u>	<u>Average Wt./lbs</u>	<u>Largest Wt./lbs</u>	<u>Smallest Wt./lbs</u>	<u>Average % Soluble Solids</u>	<u>Source</u>
Crimson Trio	2662	7-31-90	8-24-90	8-6-90	10.5	13.6	7.9	10.7	Northrup King
Laurel	2178	7-31-90	8-16-90	8-9-90	9.3	11.1	6.4	11.2	American Takii
Nova	3388	7-27-90	8-24-90	8-6-90	8.8	12.4	6.5	10.7	Sakata
Queen of Hearts	3630	8-3-90	8-24-90	8-13-90	12.3	16.4	7.4	10.6	Petoseed
PSR 49087	3630	7-31-90	8-24-90	8-6-90	8.7	10.5	4.9	10.1	Petoseed
PSR 80889	4114	7-27-90	8-24-90	8-9-90	9.3	14.1	6.0	9.8	Petoseed
PSR 81089	2178	8-6-90	8-24-90	8-9-90	9.4	12.0	5.6	10.5	Petosee
Scarlet Trio	3146	7-27-90	8-24-90	8-24-90	10.6	14.8	6.2	10.1	Northrup King
S.s 4703	1936	8-6-90	8-24-90	8-9-90	7.5	12.4	5.0	11.1	Abbott & Cobb
S.s 5032	3146	7-27-90	8-24-90	7-31-90	10.3	12.9	7.8	10.8	Abbott & Cobb
S.s 5244	2904	7-31-90	8-24-90	8-6-90	11.1	14.8	7.2	11.2	Abbott & Cobb
Tiffany	5642*	8-9-90	8-24-90	8-13-90	9.6	11.5	7.1	-----	Asgrow
SWM 8072	3872*	8-6-90	8-24-90	8-9-90	10.6	16.3	8.0	10.4	Sakata

\* Varieties had 3 and 5 plants planted in study respectively.

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**1990 SEEDLESS WATERMELON TRIAL  
GERMINATION  
(TOTAL OF PLANTS IN TRAY EACH DATE)\*\***

VARIETY	5/7	5/8	5/9	5/10	5/11	5/12	5/13	5/14	5/15	5/16	5/17	5/18	5/19	5/20	5/21	5/22	5/23
TIFFANY	0	0	1	1	1	1	1	1	2	2	2	2	4	4	4	4	4
QUEEN OF HEARTS	0	5	9	14	15	16	18	22	23	31	34	34	34	34	34	34	34
LAUREL	2	5	8	8	11	14	15	15	15	15	15	15	14	14	14	14	14
NOVA	0	4	5	9	9	9	10	10	10	11	11	11	11	11	11	11	11
SUPERSWEET 4703	2	9	15	17	18	19	20	22	25	29	30	31	33	33	33	32	32
SUPERSWEET 5244	1	17	23	24	25	25	25	25	25	25	25	25	25	25	25	25	25
SUPERSWEET 5032	0	6	9	10	10	13	17	20	21	23	23	23	23	23	23	23	23
SCARLET TRIO	0	5	9	10	11	12	12	12	12	12	12	12	12	12	13	13	12
CRIMSON TRIO	2	9	11	13	14	14	14	14	14	16	18	18	17	17	17	17	17
PSR 80889	2	5	9	11	12	14	14	15	16	19	20	20	21	21	20	20	20
PSR 81089	1	4	6	7	9	9	9	9	9	10	12	12	12	12	12	12	12
PS 49087	0	3	5	6	8	11	16	17	19	22	22	23	23	22	23	23	23
SWM 8702	0	1	1	4	4	4	5	5	5	5	5	5	5	6	6	6	6

\* SEEDS WERE KEPT TOO WET BEFORE 10-15% EMERGENCE, THEREFORE DECREASING EMERGENCE.  
\*\* 50 PLANTS/TRAY; 1 TRAY/VARIETY