

UNIVERSITY OF DELAWARE



**SLICING CUCUMBER
VARIETY TRIAL RESULTS
2009**

Emmalea Ernest

**University of Delaware
Elbert N. & Ann V. Carvel Research and Education Center
16483 County Seat Highway
Georgetown, DE 19947**

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2009 University of Delaware Slicing Cucumber Variety Trial

Emmalea Ernest

University of Delaware

Elbert N. & Ann V. Carvel Research and Education Center

16483 County Seat Highway

Georgetown, DE 19947

(302) 856-7303 emmalea@udel.edu

Introduction

The 2009 Slicing Cucumber Variety Trial included 17 varieties from four participating companies (Table 1). The purpose of this trial is to evaluate slicing cucumber varieties for yield, quality and maturity under our growing conditions.

Materials and Methods

Location

Field 30 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 trickle irrigation were laid on 7' centers.

There were 17 entries in the trial. Varieties were direct seeded through the plastic mulch on June 8. 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 10" (36 plants per plot).

An application of Gramoxone 2 pt/A + Sandea 0.6 oz/A + Strategy 3 pt/A + Curbit 0.5 pt/A was made with a hooded sprayer on June 4, 2009, just before the field was planted. Applications for disease and insect control were as follows: Bravo at 3 pt/A on 6-26, 7-3, 7-10, 7-17, 7-25, 7-31, 8-7, 8-14, and 8-22; Previcur Flex at 1.2 pt/A on 6-26 and 8-14; Pristine at 18 oz/A on 7-3 and 7-25; Ranman at 2.75 oz/A on 7-10, 7-31 and 8-22; Tanos at 8 oz/A on 7-17 and 8-7; Asana at 9.6 oz/A on 7-3 and 8-14.

Harvest

Cucumbers were harvested on eleven dates: 7-22, 7-24, 7-28, 7-30, 8-3, 8-5, 8-7, 8-11, 8-14, 8-17, and 8-21. Harvested cucumbers from each plot were weighed to determine total yield and then graded into one of five classes corresponding to the USDA grades¹:

Fancy – diameter of 2" to 2 ³/₈", length > 6", straight and free of blemishes

No.1 – diameter of 2" to 2 ³/₈", length > 6", fairly well formed and free of blemishes

Small – diameter of 1 ¹/₂" to 2", fairly well formed and free of blemishes

Large – diameter > 2 ³/₈", fairly well formed and free of blemishes

Cull – unmarketable due to blemishes, crookedness or nubs

The number and weight of cucumbers in each class was recorded.

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¹ The commercial grades are not defined, however SuperSelect roughly corresponds to Fancy, Select to No. 1, Small Super to Small and Large to Large.

Twenty Fancy fruit and ten Small fruit from each variety were measured to determine the average length of cucumbers in each of these two classes for the varieties.

Results

Total marketable yields of each variety in lbs/A and fruit/A are reported in Table 2. There were significant differences in yield among the varieties. Dasher II, General Lee, 06-38, 450, Speedway, and 06-42 were the highest yielding varieties in the trial. Total marketable yields and yields for each of the five classes are reported in Table 3 in lbs/A and in Table 4 in fruit/A. The percent marketable fruit (calculated based on fruit count not weight) and percent of fruit in each of the five classes are reported in Table 5. The variety 06-38 produced a significantly higher percent of marketable fruit (fewer culls) than all of the other varieties.

The percent of total fruit harvested on each harvest date is reported in Table 6. Intimidator, Rockingham and Speedway were the earliest varieties – the first harvest from these varieties was 44 days after planting (DAP). The first harvest for the remaining varieties was 46 DAP, with the exception of Marketmore 76, which was first harvested 50 DAP.

The average fruit length for Fancy and Small fruit for each variety is reported in Table 7. There were significant differences in fruit length among the varieties.

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

Acknowledgements

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Table 1. 2009 Slicing Cucumber Variety Trial: Varieties Entered, Submitting Company, and Reported Days to Harvest and Disease Resistance

Variety	Company	Days to Maturity	Reported Disease Resistance*									
			CMV	PRSV	WMV	ZYMV	Ccu	Co	Cca	Pcu	Sf/Px	PsI
Diomede	Syngenta		IR	R	R	R	R			IR	R	IR
Stonewall	Harris Moran	59	R				R	R			R	R
General Lee	Harris Moran	55	IR				R				IR	
Speedway	Siegers	54	IR				R	R			IR	R
Impact	Siegers	57	IR	IR	R	R	R	R			R	R
Dominator (06-26)	Siegers	55	IR				IR	IR		IR	IR	IR
06-42	Siegers	?	?	?	?	?	?	?	?	?	?	?
06-38	Siegers	?	R				R	R	R	R	R	R
450	Siegers	?	R				R	R		R	R	R
Intimidator	Siegers	53	R				R	R				R
Dasher II	Siegers	58	IR				IR	IR		IR	IR	IR
Cobra	Seedway	60	IR	R	R	R	R	IR		R	IR	R
Marketmore 76	check	68	IR				R			R	R	
Taladaga	check	55			R		R	IR	IR		IR	R
Thunder	check	55	R				R				R	IR
Indy	check	59		R	R	R	R	IR		IR	R	R
Rockingham	check	57	R				R	IR			R	R

* R=resistance; IR=intermediate/partial resistance

CMV=Cucumber Mosaic Virus; **PRSV**=Papaya Ringspot Virus; **WMV**=Watermelon Mosaic Virus; **ZYMV**=Zucchini Yellow Mosaic Virus; **Ccu**=Scab caused by *Cladosporium cucumerinum*; **Co**=Anthracnose caused by *Colletotrichum orbiculare*; **Cca**=Target leaf spot caused by *Corynespora cassiicola*; **Pcu**=Downy mildew caused by *Pseudoperonospora cubensis*; **Sf/Px**=Powdery mildew caused by *Sphaerotheca fuliginea* (now *Podosphaeria xanthii*); **PsI**=Angular leaf spot caused by *Pseudomonas syringae* pv. *lachrymans*

Table 2. 2009 Slicing Cucumber Variety Trial: Varieties by Total Marketable Yield in Lbs/A and Fruit/A

Variety	Total Marketable Yield (lbs/A)	Total Marketable Yield (fruit/A)	Submitting Company
Dasher II	38920 ab	53862 a	Siegers
General Lee	39948 a	51373 ab	Harris Moran
06-38	35238 abc	50682 ab	Siegers
450	35183 abc	48192 abc	Siegers
Speedway	35563 abc	47570 abc	Siegers
06-42	32955 abcd	44943 abcd	Siegers
Dominator	32796 abcd	44321 bcd	Siegers
Impact	31733 bcde	42385 bcd	Siegers
Intimidator	32063 bcde	41486 cd	Siegers
Stonewall	30401 cde	39757 cde	Harris Moran
Indy	31625 bcde	39619 cde	check
Rockingham	29390 cde	38236 de	check
Marketmore 76	31222 cde	37890 de	check
Thunder	29869 cde	37545 de	check
Taladaga	30299 cde	37406 de	check
Cobra	27447 de	37129 de	Seedway
Diomedea	25321 e	31668 e	Syngenta
<i>p-value</i>	0.0278	0.0009	
<i>LSD</i>	7303	9175.2	

Table 3. 2009 Slicing Cucumber Variety Trial: Total Marketable Yield and Yield in Each Class in Lbs/A

Variety	Total Marketable Yield (lbs/A)	Fancy (lbs/A)	No. 1 (lbs/A)	Small (lbs/A)	Large (lbs/A)	Cull (lbs/A)
General Lee	39948 a	19599 a	4872 abc	10702 abc	4775 b	6261 defg
Dasher II	38920 ab	18297 ab	4058 bcde	12566 a	3999 b	6942 cdef
Speedway	35563 abc	16879 abc	4467 abcd	9680 abcde	4537 b	7524 bce
06-38	35238 abc	15512 bcd	4208 bcde	12598 a	2921 b	3402 i
450	35183 abc	16875 abc	4707 abcd	9502 bcde	4099 b	5426 fgh
06-42	32955 abcd	15333 bcd	3416 de	10197 abcd	4009 b	5935 efg
Dominator	32796 abcd	14959 bcd	3430 de	11028 ab	3380 b	5166 gh
Intimidator	32063 bcde	14831 bcd	4966 abc	9142 bcdef	3124 b	8801 ab
Impact	31733 bcde	14344 bcd	3583 cde	10229 abcd	3576 b	7831 bc
Indy	31625 bcde	14883 bcd	4301 bcd	7683 def	4757 b	7716 bc
Marketmore 76	31222 cde	12458 d	3426 de	7828 cdef	7509 a	4091 hi
Stonewall	30401 cde	13054 cd	5721 a	8535 bcdef	3091 b	8039 abc
Taladaga	30299 cde	13684 cd	5106 ab	7026 ef	4483 b	7913 bc
Thunder	29869 cde	13228 cd	4281 bcd	7816 cdef	4544 b	9716 a
Rockingham	29390 cde	13194 cd	4388 abcd	7833 cdef	3976 b	5042 ghi
Cobra	27447 de	13210 cd	4031 bcde	7379 def	2827 b	6653 cdefg
Diomedes	25321 e	12522 d	2828 e	6195 f	3777 b	6652 cdefg
<i>p-value</i>	0.0278	0.0299	0.0208	0.0019	0.0417	<0.0001
<i>LSD</i>	7303	4006.5	1391.3	2971.2	2193.2	1679.8

Table 4. 2009 Slicing Cucumber Variety Trial: Total Marketable Yield and Yield in Each Class in Fruit/A

Variety	Total Marketable Yield (Fruit/A)	Fancy (Fruit/A)	No. 1 (Fruit/A)	Small (Fruit/A)	Large (Fruit/A)	Cull (Fruit/A)
Dasher II	53862 a	22333 ab	5670 abcde	22402 ab	3457 a	12999 cdef
General Lee	51373 ab	23370 a	6569 ab	17632 bcde	3803 a	12930 cdef
06-38	50682 ab	19429 abcd	5393 bcdef	23439 a	2420 a	6499 i
450	48192 abc	20674 abc	6361 abc	17770 bcde	3388 a	11409 efg
Speedway	47570 abc	20466 abc	6015 abcd	17493 bcde	3595 a	14520 bcd
06-42	44943 abcd	18599 bcde	4702 cdef	18323 abcd	3319 a	11962 defg
Dominator	44321 bcd	17908 bcde	4563 def	19291 abc	2558 a	10233 fgh
Impact	42385 bcd	16871 cde	4632 cdef	18185 abcde	2696 a	15488 bc
Intimidator	41486 cd	17078 cde	6292 abcd	15626 cdef	2489 a	17286 ab
Stonewall	39757 cde	15281 de	7260 a	14866 cdef	2351 a	13898 cde
Indy	39619 cde	17424 cde	5531 abcde	12999 ef	3665 a	14313 cd
Rockingham	38236 de	15281 de	5601 abcde	14174 cdef	3180 a	9749 gh
Marketmore 76	37890 de	14313 e	4149 ef	13967 def	5462 a	7882 hi
Thunder	37545 de	14796 e	5393 bcdef	13898 def	3457 a	19222 a
Taladaga	37406 de	15695 de	6154 abcd	12031 f	3527 a	14866 bc
Cobra	37129 de	15764 de	5531 abcde	13414 def	2420 a	13759 cde
Diomedes	31668 e	14382 e	3734 f	10717 f	2835 a	12722 cdef
<i>p-value</i>	0.0009	0.0025	0.0207	0.0008	0.0723	<0.0001
<i>LSD</i>	9175.2	4508.2	1741	5267.6	NA	2880.2

Table 5. 2009 Slicing Cucumber Variety Trial: Percent of Fruit in Each Class

Variety	% Marketable Fruit	% Fancy Fruit	% No. 1 Fruit	%Small Fruit	%Large Fruit	%Cull Fruit
06-38	88.6 a	34.1 a	9.8 bcd	40.4 a	4.3 b	11.4 g
Marketmore 76	82.7 b	31.3 a	9.0 bcd	30.4 bcde	11.9 a	17.3 f
Dominator	81.1 bc	32.8 a	8.4 cd	35.4 ab	4.5 b	18.9 ef
450	80.9 bc	34.5 a	10.8 abcd	30.0 bcde	5.7 b	19.1 ef
Dasher II	80.3 bc	33.3 a	8.6 cd	33.3 bc	5.1 b	19.7 ef
General Lee	79.9 bc	36.2 a	10.2 bcd	27.6 cdef	5.9 b	20.1 ef
Rockingham	79.7 bc	32.2 a	11.5 ab	29.4 bcdef	6.5 b	20.3 ef
06-42	79.1 bcd	32.7 a	8.3 cd	32.3 bcd	5.9 b	20.9 def
Speedway	76.7 cde	33.0 a	9.7 bcd	28.2 cdef	5.8 b	23.3 cde
Stonewall	74.1 def	28.5 a	13.5 a	27.7 cdef	4.4 b	25.9 bcd
Impact	73.2 ef	29.2 a	8.0 d	31.2 bcd	4.7 b	26.8 bc
Indy	73.2 ef	32.3 a	10.4 bcd	24.0 ef	6.6 b	26.8 bc
Cobra	73.0 ef	30.9 a	10.9 abc	26.5 def	4.7 b	27.0 bc
Taladaga	71.6 f	30.0 a	11.8 ab	23.1 f	6.7 b	28.4 b
Diomedes	71.0 f	32.5 a	8.5 cd	23.7 ef	6.4 b	29.0 b
Intimidator	70.5 fg	29.2 a	10.7 abcd	26.3 def	4.3 b	29.5 ab
Thunder	65.9 g	26.1 a	9.3 bcd	24.3 ef	6.1 b	34.1 a
<i>p-value</i>	<0.0001	0.0625	0.0243	0.0006	0.0009	<0.0001
<i>LSD</i>	5.0607	NA	2.8562	6.7219	2.6989	5.0607

Table 6. 2009 Slicing Cucumber Variety Trial: Percent of Total Cucumbers Harvested on Each Harvest Date

Variety	Percent of Total Cucumbers Harvested on Each Harvest Date										
	22-Jul	24-Jul	28-Jul	30-Jul	3-Aug	5-Aug	7-Aug	11-Aug	14-Aug	17-Aug	21-Aug
	44*	46	50	52	56	58	60	64	67	70	74
Intimidator	2.0	22.4	13.7	6.1	20.7	13.7	3.0	7.9	7.9	2.8	
Rockingham	1.1	9.9	21.4	18.9	6.8	13.8	6.6	9.0	6.5	6.1	
Speedway	0.9	19.8	22.4	10.0	9.7	12.7	3.8	8.1	8.5	4.2	
Thunder		19.0	16.0	8.8	16.0	14.4	3.9	10.9	7.9	3.1	
Taladaga		18.7	16.8	15.9	12.0	11.1	5.0	6.7	8.5	5.4	
Indy		18.0	23.2	6.6	12.6	15.6	4.3	6.4	9.8	3.4	
General Lee		15.9	22.3	9.4	9.0	12.7	5.8	10.5	9.6	4.8	
450		14.3	17.9	16.8	8.6	13.5	5.0	11.0	9.0	3.7	
Cobra		14.2	21.2	11.2	9.5	14.5	3.9	11.7	9.7	4.1	
06-42		12.3	22.0	12.9	9.5	14.3	5.5	7.8	9.8	5.7	
Impact		11.6	25.3	10.6	8.6	15.5	5.4	8.5	9.6	4.9	
Dasher II		11.6	22.7	9.5	5.9	20.0	5.9	7.2	11.7	5.5	
Dominator		10.3	23.6	11.1	6.2	15.1	6.7	10.8	9.7	6.6	
Stonewall		6.4	26.3	17.7	7.1	11.5	6.3	12.0	8.2	4.5	
06-38		5.3	21.6	17.9	9.3	12.3	6.0	12.3	12.3	3.1	
Diomedea		3.9	23.4	24.7	6.6	11.1	7.6	11.6	7.2	3.9	
Marketmore 76			5.8	17.7	14.6	9.1	6.6	12.0	16.2	8.8	9.1

*Days After Planting




Table 7. 2009 Slicing Cucumber Variety Trial: Average Fruit Length for Fancy and Small Grades in Centimeters and Inches

Variety	Fancy Length in Centimeters (Inches)	Small Length in Centimeters (Inches)
Intimidator	22.0 (8.67) a	19.8 (7.78) ab
Thunder	21.7 (8.52) ab	19.3 (7.60) abc
Stonewall	21.6 (8.48) abc	20.1 (7.89) a
Diomedea	21.3 (8.38) abcd	19.1 (7.50) abcd
Dominator	21.3 (8.38) abcd	19.2 (7.54) abcd
Taladaga	21.0 (8.26) bcde	18.0 (7.07) de
Rockingham	20.8 (8.18) cdef	18.3 (7.19) cde
Cobra	20.7 (8.13) def	17.9 (7.06) de
General Lee	20.4 (8.03) efg	18.2 (7.15) cde
Impact	20.4 (8.03) efg	18.2 (7.15) cde
Indy	20.4 (8.03) efg	18.5 (7.28) bcde
Speedway	20.2 (7.95) fg	17.6 (6.93) e
06-42	20.0 (7.88) fg	19.1 (7.50) abcd
06-38	19.9 (7.81) g	18.6 (7.30) bcde
450	19.8 (7.79) g	17.6 (6.91) e
Dasher II	19.8 (7.79) g	18.6 (7.32) bcde
Marketmore 76	19.7 (7.74) g	18.1 (7.13) cde
<i>p-value</i>	<0.0001	0.0031
<i>LSD</i>	0.7778 (0.3062)	1.3039 (0.5133)

APPENDIX A:




Photographs of Varieties in the 2009 Slicing Cucumber Variety Trial

Photos of Varieties in the 2009 Slicing Cucumber Variety Trial*

	<p>Dasher II</p> <p>Yield 38,920 lbs/A (2) 53,862 fruit/A (1)</p> <p>Average Fancy Length 7.79 inches</p> <p>Average Small Length 7.32 inches</p> <p>First Harvest: 46 DAP</p>
	<p>Siegers</p> <p>General Lee</p> <p>Yield 39,948 lbs/A (1) 51,373 fruit/A (2)</p> <p>Average Fancy Length 8.03 inches</p> <p>Average Small Length 7.15 inches</p> <p>First Harvest: 46 DAP</p>
	<p>Harris Moran</p> <p>06-38</p> <p>Yield 35,238 lbs/A (4) 50,682 fruit/A (3)</p> <p>Average Fancy Length 7.81 inches</p> <p>Average Small Length 7.30 inches</p> <p>First Harvest: 46 DAP</p> <p>Siegers</p>




*Numbers in parenthesis are the rank of the variety for this characteristic out of the 17 varieties.

Photos of Varieties in the 2009 Slicing Cucumber Variety Trial*

	<p>450</p> <p>Yield 35,183 lbs/A (5) 48,192 fruit/A (4)</p> <p>Average Fancy Length 7.79 inches</p> <p>Average Small Length 6.91 inches</p> <p>First Harvest: 46 DAP</p> <p>Siegers</p>
	<p>Speedway</p> <p>Yield 35,563 lbs/A (3) 47,570 fruit/A (5)</p> <p>Average Fancy Length 7.95 inches</p> <p>Average Small Length 6.93 inches</p> <p>First Harvest: 44 DAP</p> <p>Siegers</p>
	<p>06-42</p> <p>Yield 32,955 lbs/A (6) 44,943 fruit/A (6)</p> <p>Average Fancy Length 7.88 inches</p> <p>Average Small Length 7.50 inches</p> <p>First Harvest: 46 DAP</p> <p>Siegers</p>




*Numbers in parenthesis are the rank of the variety for this characteristic out of the 17 varieties.

Photos of Varieties in the 2009 Slicing Cucumber Variety Trial*

	<p>Dominator</p> <p>Yield 32,796 lbs/A (7) 44,321 fruit/A (7)</p> <p>Average Fancy Length 8.38 inches</p> <p>Average Small Length 7.54 inches</p> <p>First Harvest: 46 DAP</p>
	<p>Siegers</p> <p>Impact</p> <p>Yield 31,733 lbs/A (9) 42,385 fruit/A (8)</p> <p>Average Fancy Length 8.03 inches</p> <p>Average Small Length 7.15 inches</p> <p>First Harvest: 46 DAP</p>
	<p>Siegers</p> <p>Intimidator</p> <p>Yield 32,063 lbs/A (8) 41,486 fruit/A (9)</p> <p>Average Fancy Length 8.67 inches</p> <p>Average Small Length 7.78 inches</p> <p>First Harvest: 44 DAP</p> <p>Siegers</p>




*Numbers in parenthesis are the rank of the variety for this characteristic out of the 17 varieties.

Photos of Varieties in the 2009 Slicing Cucumber Variety Trial*

	<p>Stonewall</p> <p>Yield 30,401 lbs/A (12) 39,757 fruit/A (10)</p> <p>Average Fancy Length 8.48 inches</p> <p>Average Small Length 7.89 inches</p> <p>First Harvest: 46 DAP</p>
	<p>Harris Moran</p> <p>Indy</p> <p>Yield 31,625 lbs/A (10) 39,619 fruit/A (11)</p> <p>Average Fancy Length 8.03 inches</p> <p>Average Small Length 7.28 inches</p> <p>First Harvest: 46 DAP</p>
	<p>check</p> <p>Rockingham</p> <p>Yield 29,390 lbs/A (15) 38,236 fruit/A (12)</p> <p>Average Fancy Length 8.18 inches</p> <p>Average Small Length 7.19 inches</p> <p>First Harvest: 44 DAP</p> <p>check</p>



*Numbers in parenthesis are the rank of the variety for this characteristic out of the 17 varieties.

Photos of Varieties in the 2009 Slicing Cucumber Variety Trial*

	<p>Marketmore 76</p> <p>Yield 31,222 lbs/A (11) 37,890 fruit/A (13)</p> <p>Average Fancy Length 7.74 inches</p> <p>Average Small Length 7.13 inches</p> <p>First Harvest: 50 DAP</p> <p>check</p>
	<p>Thunder</p> <p>Yield 29,869 lbs/A (14) 37,545 fruit/A (14)</p> <p>Average Fancy Length 8.52 inches</p> <p>Average Small Length 7.60 inches</p> <p>First Harvest: 46 DAP</p> <p>check</p>
	<p>Taladaga</p> <p>Yield 30,299 lbs/A (13) 37,406 fruit/A (15)</p> <p>Average Fancy Length 8.26 inches</p> <p>Average Small Length 7.07 inches</p> <p>First Harvest: 46 DAP</p> <p>check</p>

*Numbers in parenthesis are the rank of the variety for this characteristic out of the 17 varieties.

Photos of Varieties in the 2009 Slicing Cucumber Variety Trial*

	<p>Cobra</p> <p>Yield 27,447 lbs/A (16) 37,129 fruit/A (16)</p> <p>Average Fancy Length 8.13 inches</p> <p>Average Small Length 7.06 inches</p> <p>First Harvest: 46 DAP</p>
	<p>Seedway</p> <p>Diomede</p> <p>Yield 25,321 lbs/A (17) 31,668 fruit/A (17)</p> <p>Average Fancy Length 8.38 inches</p> <p>Average Small Length 7.50 inches</p> <p>First Harvest: 46 DAP</p>
<p>Syngenta</p>	

*Numbers in parenthesis are the rank of the variety for this characteristic out of the 17 varieties.

APPENDIX B:
Weather Summary for the 2009 Slicing Cucumber Variety Trial
June 8th (planting) – August 21st (final harvest)

**Appendix B: Weather Summary for the 2009 Slicing Cucumber Variety Trial
June 8th (planting) – August 21st (final harvest)**

DAT	Date	Max Temp °F	Min Temp °F	Rainfall (in.)
0	8-Jun-09	81.8	61.0	0.00
1	9-Jun-09	79.1	66.0	0.16
2	10-Jun-09	77.7	63.3	0.00
3	11-Jun-09	75.3	63.2	0.04
4	12-Jun-09	78.9	69.9	0.28
5	13-Jun-09	71.3	68.9	0.00
6	14-Jun-09	72.2	61.7	0.13
7	15-Jun-09	68.1	61.8	0.00
8	16-Jun-09	67.7	61.5	0.00
9	17-Jun-09	67.6	61.4	0.00
10	18-Jun-09	73.7	64.1	1.11
11	19-Jun-09	78.9	66.5	0.01
12	20-Jun-09	81.4	65.3	1.67
13	21-Jun-09	76.5	67.1	0.04
14	22-Jun-09	75.9	66.9	0.13
15	23-Jun-09	76.8	65.5	0.00
16	24-Jun-09	77.3	67.9	0.00
17	25-Jun-09	74.2	67.0	0.00
18	26-Jun-09	88.4	67.7	0.00
19	27-Jun-09	84.7	70.4	0.00
20	28-Jun-09	81.5	67.2	0.00
21	29-Jun-09	85.4	67.1	0.00
22	30-Jun-09	86.1	68.7	0.00
23	1-Jul-09	77.1	69.6	0.60
24	2-Jul-09	82.6	68.3	0.04
25	3-Jul-09	80.4	65.1	0.00
26	4-Jul-09	82.2	65.1	0.00
27	5-Jul-09	76.2	67.2	0.00
28	6-Jul-09	77.6	66.9	0.00
29	7-Jul-09	84.1	65.6	0.00
30	8-Jul-09	78.0	67.2	0.00
31	9-Jul-09	73.6	62.1	0.00
32	10-Jul-09	72.3	64.5	0.00
33	11-Jul-09	78.6	58.1	0.00
34	12-Jul-09	84.1	72.2	0.01
35	13-Jul-09	78.5	69.1	0.00
36	14-Jul-09	77.2	65.9	0.00
37	15-Jul-09	86.6	64.1	0.02
38	16-Jul-09	90.9	72.8	0.00
39	17-Jul-09	86.1	73.6	0.00
40	18-Jul-09	80.0	67.5	0.00
41	19-Jul-09	77.7	64.2	0.00
42	20-Jul-09	77.7	67.7	0.00
43	21-Jul-09	78.6	69.3	0.26
44	22-Jul-09	80.5	69.1	0.00
45	23-Jul-09	76.1	70.5	0.05
46	24-Jul-09	77.9	70.5	0.00

DAT	Date	Max Temp °F	Min Temp °F	Rainfall (in.)
47	25-Jul-09	86.8	68.7	0.00
48	26-Jul-09	88.5	71.7	0.10
49	27-Jul-09	83.3	69.9	0.96
50	28-Jul-09	85.8	69.9	0.00
51	29-Jul-09	87.4	75.9	0.04
52	30-Jul-09	86.0	76.5	0.00
53	31-Jul-09	91.5	70.8	0.45
54	1-Aug-09	79.4	68.8	0.00
55	2-Aug-09	84.0	71.6	1.24
56	3-Aug-09	80.8	70.4	0.00
57	4-Aug-09	83.4	70.7	0.18
58	5-Aug-09	88.5	75.1	0.00
59	6-Aug-09	76.3	68.4	0.30
60	7-Aug-09	80.3	65.3	0.00
61	8-Aug-09	84.1	66.0	0.00
62	9-Aug-09	89.2	72.9	0.01
63	10-Aug-09	93.2	72.4	0.00
64	11-Aug-09	89.5	75.2	0.00
65	12-Aug-09	84.5	73.8	0.42
66	13-Aug-09	80.0	73.2	0.02
67	14-Aug-09	79.1	71.4	0.00
68	15-Aug-09	71.2	68.5	0.00
69	16-Aug-09	83.6	64.5	0.00
70	17-Aug-09	86.6	70.0	0.00
71	18-Aug-09	88.1	71.0	0.01
72	19-Aug-09	87.9	74.4	0.22
73	20-Aug-09	92.9	73.3	0.00
74	21-Aug-09	88.6	79.6	0.00