

2006 TOMATO CULTIVAR TRIAL FOR SOUTHERN ILLINOIS

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A tomato cultivar trial was conducted at the Dixon Springs Agricultural Center located in Pope County. Transplants used in the study were grown at DSAC and field set on May 13, 2006. The plants were grown on fumigated, raised beds with black plastic mulch and trickle irrigation. Plants were set 24 inches apart in rows with 5.5-foot bed spacing. They were grown using a trellis weave and pruned to below first cluster. All plots were replicated three times. Pest control practices followed recommendations given in the *Midwest Vegetable Production Guide, 2006*.

The plots were harvested twice a week for the period of July 10 to August 18. Cultivars are listed in descending order of total pounds of U.S. No. 1 fruit harvested. We wish to thank the seed companies for their contribution in this trial.

Table 1. Results of 2006 DSAC tomato variety trial.

Cultivar	Source	<u>Early</u>	<u>Midseason</u>	<u>Total #1</u>	<u>Total</u>	Size	Culls
		7/10-7/17	7/20-7/31	7/10-8/18	Mktbl Yield 7/10-8/18		
		<u>U.S. No. 1</u>					
		-----pounds per plant-----				(oz)	(no.)
NC 05199	NC	0.8	4.3	14.8	14.8	---	---
NC 05255	NC	0.3	2.5	14.0	14.1	---	2.9
NC 05114	NC	0.9	4.0	12.4	12.4	---	2.5
NC 0392	NC	0.4	4.9	10.4	15.4	10.1	7.1
Fabulous	SW	0.7	5.3	9.8	12.9	11.1	12.9
Sunsation	SW	0.3	4.4	9.2	13.5	10.1	10.5
BHN 543	SW	0.6	3.7	9.0	13.9	9.9	12.8
Sun Leaper	SW	0.2	3.9	8.5	14.2	8.9	14.6
Florida 47	SM	0.7	2.5	8.4	14.0	9.1	13.2
Sunbrite	SW	0.5	4.3	8.3	12.3	10.6	10.6
Biltmore	SM	0.6	2.7	8.1	11.3	10.1	10.7
Carolina Gold*	SW	0.4	2.5	8.0	12.9	9.2	13.2
Mt. Spring	SW	0.5	3.6	8.0	12.7	9.5	12.9
BHN 640	SW	0.4	3.5	8.0	13.5	9.2	14.4
RFT 6153	SW	0.8	2.3	7.9	14.1	10.2	12.2
BHN 589	SW	0.9	3.0	7.3	12.5	9.9	13.6
Sunbeam	SW	0.7	3.3	7.2	11.9	9.2	14.0
Soraya	SW	0.0	2.1	7.2	11.0	10.0	8.1
BHN 586	SW	0.7	2.7	7.0	12.5	8.9	12.4
NC 056	NC	0.6	1.7	7.0	10.0	10.1	10.0
Florida 91	SW	0.2	1.8	6.9	10.4	11.7	9.9
Mt Fresh Plus	SW	0.4	1.8	6.7	13.5	8.8	11.4
NC 03289	NC	0.7	1.6	6.7	9.3	9.5	8.2
Talladega	RG	0.6	2.6	6.6	8.8	10.1	10.0
Amelia	SW	0.5	1.6	6.6	11.8	9.4	13.8
Indy	RG	1.0	3.1	6.1	10.5	9.3	14.2
BHN 444	SW	0.2	2.9	5.7	10.1	9.6	15.5
Solar Fire	SW	0.1	2.3	5.7	10.4	9.4	12.8
Applause	SW	1.1	3.6	5.5	8.7	9.8	10.3
Crista	SM	0.1	1.2	4.6	9.1	9.3	9.6
Sunshine	SW	0.5	3.0	4.5	8.8	9.5	20.3

* Yellow tomato