

2005 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, 2005. The plants were grown on fumigated, raised beds with black plastic mulch and trickle irrigation. Plants were set 30 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, 2005*.

The plots were harvested twice a week for the period of June 28 to August 22. Early yields are for the period June 28 to July 8 and midseason yields for the period July 12 to July 28. The results of the trial are given in Table 1. 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 2005 DSAC tomato variety trial.

Cultivar	Source	Early 7/1-7/13	Midseason 7/21-8/4	Total #1 7/1-8/25	Total Mktbl Yield 7/1-8/25	Size	Culls
U.S. No. 1							
(-----pounds per plant-----)					(oz)		(no.)
BHN 444	SW	0.4	1.8	10.1	15.2	9.8	11.7
Florida 91	SW	0.5	0.7	9.4	11.6	10.7	4.0
NC 03289	NC	0.5	1.1	8.3	12.6	9.7	5.8
Fabulous	SW	0.6	0.6	8.2	10.4	10.1	5.5
BHN 589	SW	1.1	0.7	7.8	9.8	9.6	6.6
BHN 543	SW	0.3	0.8	7.7	9.6	10.8	5.1
Biltmore	SW	0.4	1.1	7.6	9.9	10.3	6.4
RFT 6116	RG	0.2	1.5	7.4	11.0	10.0	5.6
Mt. Spring	RG	0.3	1.5	7.4	12.2	10.8	4.9
BHN 640	SW	0.5	1.4	7.2	10.6	9.8	4.7
Amelia	SW	0.2	0.7	6.8	8.7	9.5	7.1
Carolina Gold*	SW	0.1	1.1	6.5	10.5	9.7	4.2
BHN 586	SW	0.2	1.6	6.5	9.5	9.3	5.4
Mt. Fresh Plus	SW	0.0	0.8	6.3	7.9	10.6	6.0
Crista	NC	0.7	0.7	6.1	9.5	9.7	5.5
ASX 334	SW	0.3	2.5	6.0	11.3	9.0	11.2
Indy	RG	0.4	1.6	5.7	9.3	8.9	6.2
Florida 47	SW	0.2	1.4	5.5	9.2	9.5	6.3
Sebring	RG	0.4	1.1	5.4	7.9	10.2	7.6
NC 0377	NC	0.6	1.2	5.4	8.2	9.2	7.1
Sunsation	SW	0.4	1.5	5.0	8.6	8.8	7.7
Sunbrite	SW	0.1	0.8	5.0	6.5	10.6	6.2
NC 0392	NC	0.7	1.1	4.9	6.9	9.5	6.3
RFT 6153	SW	0.2	0.7	4.4	8.3	9.8	7.1
BHN 641*	SW	0.3	1.7	4.1	10.3	9.1	7.5
Sunshine	SW	0.8	1.3	3.6	5.9	10.4	10.3
Soraya	RG	0.7	1.2	3.0	4.9	9.4	8.7
NC 055	NC	0.1	2.0	2.6	7.4	8.4	12.5

* Yellow tomato