

## 2005 FRESH MARKET TOMATO CULTIVARS

*Cerny Farm, Cobden, IL*

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Each year tomato cultivars are evaluated in southern Illinois for early market shipping. This report summarizes the performance of the 24 cultivars grown in the trial at the Cerny Farm near Cobden, in Union County.

The plants used in this observation trial were grown at the Dixon Springs Agricultural Center and field set at the Cerny Farm on May 10, 2005. The plots consisted of eight plants grown using a trellis weave training system. The plants were pruned to below first cluster. Plants were spaced 30 inches apart in rows 5 feet apart. The plots were not irrigated. The plots were harvested twice a week for a total of 10 pickings.

The results of the 2005 trial are given in Tables 1 through 4. The cultivars are arranged in the tables in descending order of U.S. No. 1 fruit production.

We wish to express our appreciation for the cooperation of the Cerny Farm in this trial and thank the seed companies for their donations.

Table 1. Top five tomato cultivars, early ( two harvests, 7/5 to 7/14 ).

<b>Cultivar</b>	<b>U.S. No. 1 Yield</b>
	<i>( pounds/plant )</i>
BHN 444	2.2
Amelia	1.9
Sunshine	1.9
BHN 589	1.7
Mt. Spring	1.6

Table 2. Top five tomato cultivars, midseason ( four harvests, 7/19 to 7/29 ).

<b>Cultivar</b>	<b>U.S. No. 1 Yield</b>
	<i>( pounds/plant )</i>
Indy	3.5
Mt. Fresh Plus	2.9
BHN 589	2.9
Amelia	2.8
Sebring	2.6

Table 3. Top five tomato cultivars, late ( four harvests, 8/5 to 8/17 ).

<b>Cultivar</b>	<b>U.S. No. 1 Yield</b> <i>( pounds/plant )</i>
Soraya	7.8
Carolina Gold	7.2
Florida 47	5.8
BHN 586	5.1
Sebring	4.4

Table 4. Tomato cultivar performance, season total ( 7/5 to 8/17 ).

<b>Cultivar</b>	<b>Source</b>	<b>U.S. No. 1</b>		<b>Mktb. Yield</b> <i>(lb/plant)</i>	<b>Culls</b> <i>(no./plant)</i>
		<b>Yield</b> <i>(lb/plant)</i>	<b>Size</b> <i>(oz)</i>		
Soraya	SW	10.8	10.3	15.7	3.8
Amelia	SW	10.4	9.8	15.3	10.1
Mt. Fresh Plus	SW	10.2	10.2	15.6	7.1
Carolina Gold *	SW	9.6	10.0	16.6	9.5
Indy	RG	8.7	9.8	15.7	16.7
BHN 589	SW	8.5	10.1	15.7	13.1
BHN 586	SW	8.4	9.2	14.8	7.9
Biltmore	SW	8.3	9.8	12.8	19.7
BHN 640	SW	8.3	10.0	13.6	13.6
Sunbrite	SW	8.3	11.3	13.4	11.1
Florida 47	SW	8.1	9.5	13.8	14.0
ASX 334	SW	7.7	9.2	15.9	28.9
BHN 641 *	SW	7.4	9.6	12.1	12.5
NC 0392	NC	7.2	10.0	13.2	11.9
Sebring	RG	7.2	9.3	12.9	9.3
NC 03289	NC	7.2	9.6	14.6	14.7
BHN 444	SW	6.8	10.3	12.9	18.0
Sunsation	SW	6.7	9.3	13.3	14.7
RFT 6153	RG	6.3	9.5	12.6	15.1
NC 0377	NC	6.3	9.4	12.2	12.8
NC 055	NC	5.5	8.5	13.1	22.3
RFT 6116	RG	5.2	9.8	11.4	16.4
Mt. Spring	RG	4.9	10.1	8.6	18.1
Sunshine	SW	2.7	10.0	5.3	20.1

\* Yellow tomato