

### Texas High Plains Fresh Market Tomato Variety Trial: 2007

Variety	Source	Descriptions (tolerance and resistance)	Crop Vigor <sup>3</sup>	Total Yield	Marketable Yield <sup>4</sup>	Radial Fruit Cracking	Average Fruit Wt.
			August 1	cwt/A	cwt/A	%	oz
Tormenta <sup>1</sup>	Bejo Seeds	73 days, Fusarium, Verticillium, Tobacco Mosaic Virus (TMV)	2.5	230.1	230.1	0	2.5
Polbig	Bejo Seeds	Early set (57–60 days), Verticillium, Fusarium	2.5	224.7	209.0	7.2	4.7
Sun King	Tomato Growers	Heat/fruit crack tolerances, 75 days, Tomato Yellow Leaf Curl Virus (TYLCV), Verticillium, Fusarium, Alternaria, TMV	2.6	207.2	187.5	10.9	6.3
Camel	Harris Moran <sup>2</sup>	Medium maturity, Fusarium, Gray leaf spot, TSWV, Verticillium, Root knot nematodes	2.4	188.4	155.0	19.9	6.1
Bella Rosa	Sakata <sup>2</sup>	Heat tolerance, mid-early harvest, TSWV, Alternaria, Fusarium, Gray leaf spot	2.4	184.3	165.4	10.7	5.8
Solar Fire	Harris Moran <sup>2</sup>	Heat and fruit crack tolerances, 72 days, Fusarium, Verticillium, Gray leaf spot	1.9	164.2	157.3	4.5	5.1
Phoenix	Seminis	Heat tolerance, fruit crack tolerance, Fusarium, Alternaria, Verticillium, Gray leaf spot	2.6	147.1	138.3	5.8	6.1
Classy Lady	Nunhems <sup>2</sup>	80 days, medium determinate, Alternaria, Fusarium, Verticillium, Root knot nematodes, Gray leaf spot	1.9	142.6	77.4	44.5	5.9
Sun Master	Tomato Growers	Heat tolerance, 72 days, Verticillium, Fusarium, Alternaria, TMV	2.8	139.2	118.7	12.9	5.2
Crista	Harris Moran <sup>2</sup>	Medium maturity, Verticillium, Fusarium, TSWV, Root knot nematodes	2.0	124.8	96.8	23.1	6.2
Amelia	Harris Moran <sup>2</sup>	Crack tolerance, medium maturity, Verticillium, Fusarium, Gray leaf spot, TSWV, Root knot nematodes	2.3	123.1	81.9	34.4	6.3
Shady Lady	Tomato Growers	Excellent foliage for preventing sunburn, 75 days, Verticillium, Fusarium, Alternaria, TMV	2.6	104.5	78.5	23.7	5.5
Escudero	Harris Moran <sup>2</sup>	Medium maturity, Fusarium, Verticillium	2.1	103.9	99.3	4.6	5.3
BHN 444	Tomato Growers	A "Texas SuperStar" variety, 75 days, Tomato Spotted Wilt Virus (TSWV), Verticillium, Fusarium	2.3	94.8	79.6	16.1	5.1
<b>LSD (0.05)</b>			<b>0.8</b>	<b>69.3</b>	<b>69.5</b>	<b>9.3</b>	<b>0.9</b>

<sup>1</sup> Tormenta is a Roma type tomato; all others are round, red determinate varieties. <sup>2</sup> Seed provided by Champion Seed Company.

<sup>3</sup> Crop vigor: 1 = poor; 2 = fair; 3 = good; 4 = excellent. <sup>4</sup> State of Texas average yield for 2002 – 2006 was 132 cwt/A (marketable).

### Photos of Tomato Varieties: 2007



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