

## **EVALUATION OF TOMATO CULTIVARS FOR SOUTHERN OHIO, 2008**

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This trial evaluated 11 fresh market cultivars and one grape tomato for their suitability in southern Ohio.

### **METHODS:**

Seeds were planted April 24<sup>th</sup> in the greenhouse. Transplants were planted to the field on June 18<sup>th</sup> using a waterwheel transplanter. Raised beds were covered with black plastic mulch with trickle irrigation. Plots rows were 6 foot apart. Experimental design was randomized complete block with 3 replications. 100 units of N, P and K were applied before forming beds and laying plastic mulch. A standard commercial fungicide and insecticide program was followed, following OSU Bulletin #672.

### **RESULTS:**

One grape tomato variety HMX 6830 was tested with average pounds of fruit per acre of 92,250 pounds. Average fruit weight of 1.9 ounces. Eleven fresh market varieties were tested including SVR 1400, HMX 6830, Scarlet Red, HMX 7838, Mountain Glory, Rocky Top, SRV 01701236, SRV 01721400, Phoenix, Biltmore, Polbig and Fletcher. There was no statistical difference in average total pounds of fruit per acre. The average fruit weight among varieties was not statistically different. Average fruit weight was .66 pound.

**Table 1: Marketable pounds per acre.**

<b>Cultivar</b>	<b>Marketable Pounds per Acre</b>
Polbig	165357
Mountain Glory	150000
Rocky Top	148929
Fletcher	121786
Phoenix	105357
HMX 7838	100000
SVR 1400	98571
SVR 01721400	92500
Scarlet Red	79643
SVR 10701236	75000
Biltmore	68571

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