

Table 1. Total yield, average fruit weight, harvest timing and cull percentages for four replicated grape tomato varieties, one unreplicated grape variety, and one unreplicated cherry tomato variety, Wanatah, Indiana, 2003.

| Variety | Seed Source* | Total Yield | | Mkt. Fruit Wt. | Percentage of total yield thru 9/12 harvested: | | | Culls | Percent of Culls Due to: | | | | |
|---------------------------|--------------|------------------|------|------------------|--|-----------|-----------|-----------------|--------------------------|-------|-------|-------|-------|
| | | thru 9/12 | 9/30 | | 7/24-8/6 | 8/12-8/26 | 8/29-9/12 | | Hail | Crack | Small | Other | Green |
| | | <i>lb./plant</i> | | <i>oz./fruit</i> | | | | <i>% by wt.</i> | <i>% of culls by no.</i> | | | | |
| <i>Replicated Plots</i> | | | | | | | | | | | | | |
| Chiquita | JS | 16.1 | 6.0 | 0.470 | 4 | 36 | 60 | 6.6 | 7.9 | 42 | 1 | 7 | 42 |
| Sweet Olive | JS | 12.0 | 5.4 | 0.306 | 5 | 46 | 49 | 4.0 | 18.0 | 18 | 16 | 9 | 38 |
| Red Grape | JS | 12.9 | 10.0 | 0.252 | 1 | 23 | 76 | 5.7 | 2.0 | 2 | 9 | 17 | 70 |
| Tami-G | ST | 12.0 | 3.8 | 0.292 | 2 | 29 | 69 | 3.5 | 4.9 | 20 | 23 | 25 | 26 |
| LSD .05** | | 1.9 | | 0.021 | | | | NS | 5.6 | 11 | 14 | NS | 27 |
| <i>Unreplicated Plots</i> | | | | | | | | | | | | | |
| Sweet Baby Girl | SM | 20.3 | 2.9 | 0.419 | 4 | 32 | 64 | 15.6 | 6.1 | 62 | 0 | 21 | 10 |
| Jolly Elf | SG | 12.2 | 4.8 | 0.347 | 1 | 28 | 71 | 5.4 | 2.9 | 24 | 0 | 36 | 36 |

*JS=Johnny's Selected Seeds; ST=Stokes Seeds; SM=Seminis; SG=Siegers Seeds

**Means of replicated plots differing by more than this amount differ significantly at $P \leq .05$ based on Fisher's protected LSD. NS=not significant.

Table 2. Plant and fruit characteristics for four replicated grape tomato varieties, one unreplicated grape variety, and one unreplicated cherry tomato variety, Wanatah, Indiana, 2003.

| | Plant Characteristics | | Fruit Characteristics* | | | | | | |
|---------------------------|-----------------------|----------|------------------------|----------|------------------|-------|---------------------------|------------|----------------------|
| | Vigor** | Height | Length | Diameter | Color | Skin | Shape | Firmness** | Overall Appearance** |
| | | <i>m</i> | <i>cm</i> | | | | | | |
| <i>Replicated Plots</i> | | | | | | | | | |
| Chiquita | 8.0 | 1.4 | 3.1 | 2.7 | dull pinkish red | dull | oval | 5 | 5 |
| Sweet Olive | 3.7 | 1.1 | 2.7 | 2.4 | red-orange | matte | oval | 5 | 7 |
| Red Grape | 7.7 | 1.9 | 3.0 | 2.1 | red | shiny | blocky oval to teardrop | 5 | 7 |
| Tami-G | 7.0 | 2.2 | 2.8 | 2.1 | red-orange | shiny | variable | 7 | 3 |
| <i>Unreplicated Plots</i> | | | | | | | | | |
| Sweet Baby Girl | 8 | 1.6 | 2.8 | 3.0 | red-orange | dull | round | 3 | 7 |
| Jolly Elf | 7 | 1.4 | no data | no data | red-orange | matte | top-shaped to blocky oval | 8 | 4 |

*Fruit characteristics evaluated for one replication only, except for length and diameter, which were evaluated for three replications.

**Plant vigor, Firmness and Overall Appearance: 1=least vigorous, very soft, or very unattractive, 9=most vigorous, extremely firm, or very attractive.

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