This cultivar trial evaluated 9 cultivars for their suitability in southern Ohio.

**METHODS:**
Seeds were planted April 13th in the greenhouse. Transplants were transplanted to the field on May 25th using a waterwheel transplanter. Raised beds 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:**
The greatest difference in early season boxes/acre were for the small boxes/acre (Table 1) though there was a slight statistical difference in medium, large and total boxes per acre. There was also a statistically significant difference in season long boxes/acre (Table 2).

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**Table 1. Early Season Boxes/Acre**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Smalls</th>
<th>Mediums</th>
<th>Larges</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMX 5826</td>
<td>C 137</td>
<td>D 1029</td>
<td>A 1664</td>
<td>D 2830</td>
</tr>
<tr>
<td>Mnt Fresh</td>
<td>C 189</td>
<td>D C B 1728</td>
<td>B A 1034</td>
<td>D C 2951</td>
</tr>
<tr>
<td>Linda</td>
<td>C 211</td>
<td>D C B 1671</td>
<td>B A 1286</td>
<td>D C B 3168</td>
</tr>
<tr>
<td>Florida 47</td>
<td>B A 574</td>
<td>A 2684</td>
<td>A 1485</td>
<td>A 4743</td>
</tr>
<tr>
<td>BHN 669</td>
<td>B A 607</td>
<td>C B A 2400</td>
<td>B 536</td>
<td>D C B A 3543</td>
</tr>
<tr>
<td>Suro 1721400</td>
<td>C 242</td>
<td>D 1442</td>
<td>A 1638</td>
<td>D C B 3322</td>
</tr>
<tr>
<td>Estela</td>
<td>A 716</td>
<td>A 3236</td>
<td>B 578</td>
<td>B A 4530</td>
</tr>
<tr>
<td>Faustina</td>
<td>C B 345</td>
<td>D C 1630</td>
<td>A 1715</td>
<td>D C B A 3691</td>
</tr>
<tr>
<td>Mt-Crest</td>
<td>A 818</td>
<td>B A 2562</td>
<td>B A 849</td>
<td>C B A 4228</td>
</tr>
<tr>
<td>Least Significant Difference*</td>
<td>318</td>
<td>926</td>
<td>871</td>
<td>1389</td>
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</table>

*Means with the same letter are not significantly different.

**Table 2. Full Season Boxes/Acre**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Small</th>
<th>Medium</th>
<th>Large</th>
<th>Total</th>
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<td>D 621</td>
<td>C 3588</td>
<td>A 3005</td>
<td>A 7214</td>
</tr>
<tr>
<td>Mnt Fresh</td>
<td>D C 781</td>
<td>A 5787</td>
<td>C B 1719</td>
<td>A 8287</td>
</tr>
<tr>
<td>Linda</td>
<td>D C 855</td>
<td>C B A 4745</td>
<td>A 2137</td>
<td>A 7737</td>
</tr>
<tr>
<td>Florida 47</td>
<td>C B 1409</td>
<td>B A 5235</td>
<td>C B 1752</td>
<td>A 8395</td>
</tr>
<tr>
<td>BHN 669</td>
<td>B A 1925</td>
<td>B A 5283</td>
<td>C 747</td>
<td>A 7955</td>
</tr>
<tr>
<td>Suro 1721400</td>
<td>D 465</td>
<td>C B 3994</td>
<td>A 3106</td>
<td>A 7565</td>
</tr>
<tr>
<td>Estela</td>
<td>B A 1570</td>
<td>A 5633</td>
<td>C 730</td>
<td>A 7933</td>
</tr>
<tr>
<td>Faustina</td>
<td>D 563</td>
<td>C 3724</td>
<td>A 3058</td>
<td>A 7344</td>
</tr>
<tr>
<td>Mt-Crest</td>
<td>A 2138</td>
<td>B A 5193</td>
<td>C B 1108</td>
<td>A 8439</td>
</tr>
<tr>
<td>Least Significant Difference*</td>
<td>690</td>
<td>1450</td>
<td>1128</td>
<td>1921</td>
</tr>
</tbody>
</table>
*Means with the same letter are not significantly different.

There were also slight statistical differences in early season pounds/acre (Table 3) and full season pounds/acre (Table 4).

Table 3. Early Season Pounds/acre

<table>
<thead>
<tr>
<th>Variety</th>
<th>Smalls</th>
<th>Mediums</th>
<th>Larges</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMX 5826</td>
<td>C 3414</td>
<td>D 25729</td>
<td>A 41595</td>
<td>D 70738</td>
</tr>
<tr>
<td>Mnt Fresh</td>
<td>C 4719</td>
<td>D C B 43200</td>
<td>B A 25857</td>
<td>D C 73776</td>
</tr>
<tr>
<td>Linda</td>
<td>C 5267</td>
<td>D C B 41771</td>
<td>B A 32152</td>
<td>D C B 79190</td>
</tr>
<tr>
<td>Florida 47</td>
<td>B A 14338</td>
<td>A 67095</td>
<td>A 37133</td>
<td>A 118567</td>
</tr>
<tr>
<td>BHN 669</td>
<td>B A 15171</td>
<td>C B A 59995</td>
<td>B 13405</td>
<td>D C B A 88571</td>
</tr>
<tr>
<td>Suro 1721400</td>
<td>C 6038</td>
<td>D 36052</td>
<td>A 40957</td>
<td>D C B 83048</td>
</tr>
<tr>
<td>Estela</td>
<td>A 17890</td>
<td>A 80905</td>
<td>B 14448</td>
<td>B A 113243</td>
</tr>
<tr>
<td>Faustina</td>
<td>B A 8629</td>
<td>D C 40757</td>
<td>A 42881</td>
<td>D C B A 92267</td>
</tr>
<tr>
<td>Mt-Crest</td>
<td>A 20438</td>
<td>B A 64057</td>
<td>B A 21214</td>
<td>C B A 105710</td>
</tr>
<tr>
<td>Least Significant Difference*</td>
<td>7955</td>
<td>23154</td>
<td>21763</td>
<td>34730</td>
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</table>

*Means with the same letter are not significantly different.

Table 4. Full Season Pounds/acre

<table>
<thead>
<tr>
<th>Variety</th>
<th>Smalls</th>
<th>Mediums</th>
<th>Larges</th>
<th>Total</th>
</tr>
</thead>
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<tr>
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<td>D 15533</td>
<td>C 89690</td>
<td>A 75129</td>
<td>A 180352</td>
</tr>
<tr>
<td>Mnt Fresh</td>
<td>D C 19533</td>
<td>A 144681</td>
<td>C B 42962</td>
<td>A 207176</td>
</tr>
<tr>
<td>Linda</td>
<td>D C 21381</td>
<td>C B A 118619</td>
<td>B A 53433</td>
<td>A 193433</td>
</tr>
<tr>
<td>Florida 47</td>
<td>C B 35219</td>
<td>B A 130862</td>
<td>C B 43805</td>
<td>A 209886</td>
</tr>
<tr>
<td>BHN 669</td>
<td>B A 48124</td>
<td>B A 132076</td>
<td>C 18671</td>
<td>A 198871</td>
</tr>
<tr>
<td>Suro 1721400</td>
<td>D 11624</td>
<td>C B 99857</td>
<td>A 77643</td>
<td>A 189124</td>
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<tr>
<td>Estela</td>
<td>B A 39257</td>
<td>A 140829</td>
<td>C 18243</td>
<td>A 198329</td>
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<tr>
<td>Faustina</td>
<td>D 14067</td>
<td>C 93100</td>
<td>A 76438</td>
<td>A 183605</td>
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<tr>
<td>Mt-Crest</td>
<td>A 3457</td>
<td>B A 129814</td>
<td>C B 27705</td>
<td>A 210976</td>
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<tr>
<td>Least Significant Difference*</td>
<td>17260</td>
<td>36237</td>
<td>28189</td>
<td>48033</td>
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</table>

*Means with the same letter are not significantly different.

There were statistically significant differences in early average fruit weight Table 5 and full season average fruit weight Table 6.

Table 5: Early Season Average Fruit Weight (Least Significant Difference 0.11)

Means with the same letter are not significantly different.

<table>
<thead>
<tr>
<th>t-Grouping</th>
<th>Mean</th>
<th>TRTMT</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0.74</td>
<td>HMX 5826</td>
</tr>
<tr>
<td>B</td>
<td>0.72</td>
<td>Faustina</td>
</tr>
<tr>
<td>B A C</td>
<td>0.67</td>
<td>Suro 1721400</td>
</tr>
<tr>
<td>B A C</td>
<td>0.65</td>
<td>Mnt Fresh</td>
</tr>
<tr>
<td>B C</td>
<td>0.63</td>
<td>Linda</td>
</tr>
<tr>
<td>B D C</td>
<td>0.58</td>
<td>Florida 47</td>
</tr>
<tr>
<td>B D C</td>
<td>0.53</td>
<td>BHN 669 and Mt-Crest</td>
</tr>
<tr>
<td>E D</td>
<td>0.49</td>
<td>Estela</td>
</tr>
</tbody>
</table>

Table 6: Full Season Average Fruit Weight (Least Significant Difference 0.08). Means with the same letter are not significantly different.
<table>
<thead>
<tr>
<th>Grouping</th>
<th>Mean</th>
<th>TRTMT</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0.69</td>
<td>Faustina</td>
</tr>
<tr>
<td>B</td>
<td>0.63</td>
<td>HMX 5826 and Suro 1721400</td>
</tr>
<tr>
<td>B</td>
<td>0.57</td>
<td>Linda and Mnt Fresh</td>
</tr>
<tr>
<td>C</td>
<td>0.53</td>
<td>Florida 47</td>
</tr>
<tr>
<td>D</td>
<td>0.48</td>
<td>Mt-Crest</td>
</tr>
<tr>
<td>D</td>
<td>0.47</td>
<td>BHN 669</td>
</tr>
<tr>
<td>E</td>
<td>0.44</td>
<td>Estela</td>
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</tbody>
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