

Summary of the University of Vermont Apple

Arlet/M.9
(Golden Delicious x Idared)

Number of reps: 5

<i>Year</i>	<i>Average Harvest /Tree (kg)</i>	<i>Average Drops/Tree</i>
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BC-8M 15-10 (a.k.a Creston)

/M.9

(Golden Delicious xNJ 8104)

Braeburn/M.9
(Lady Hamilton x ???)

Number of reps: 3

<i>Year</i>	<i>Average Harvest /Tree (kg)</i>	<i>Average Drops/Tree (kg)</i>	<i>Average TCSA (cm²)</i>
<i>1998 (3rd leaf)</i>	<i>4.24</i>	<i>0.22</i>	<i>4.33</i>
<i>1999 (4th leaf)</i>	<i>4.59</i>	<i>1.08</i>	<i>5.97</i>
<i>2000 (5th leaf)</i>	<i>5.41</i>	<i>0.59</i>	<i>6.80</i>

Cumulative Yield Efficiency: 2.40 kg·cm⁻² (10th out of 23)
Average Annual Terminal Growth (cm): 11.7

<i>Three year summary of fruit evaluation (1998-2000)</i>					
<i>Average Harvest Date</i>	<i>Average Days from FB to Harvest</i>	<i>Average Starch Index at Harvest</i>	<i>Average Soluble Solids at Harvest (% brix)</i>	<i>Average Red Color (%)</i>	<i>Average Overcolor/Blush (%)</i>
<i>15-Oct</i>	<i>153</i>	<i>4.8</i>	<i>12.3</i>	<i>78%</i>	<i>N/A</i>

Braeburn/Mark

(Lady Hamilton x ???)



Number of reps: 1

Year	Average Harvest /Tree (kg)	Average Drops/Tree (kg)	Average TCSA (cm ²)
1998 (3 rd leaf)	7.95	0.33	7.30
1999 (4 th leaf)	3.12	0.00	10.10
2000 (5 th leaf)	10.32	0.30	14.90

Cumulative Yield Efficiency: 1.47 kg·cm⁻² (20th out of 23)
 Average Annual Terminal Growth (cm): 23.4

Three year summary of fruit evaluation (1998-2000)					
Average Harvest Date	Average Days from FB to Harvest	Average Starch Index at Harvest	Average Soluble Solids at Harvest (% brix)	Average Red Color (%)	Average Overcolor/Blush (%)
15-Oct	155	3.7	13.1	83%	N/A

Overall Desirability (Look & Taste)

Year	Scale of 1-5: 1=worst, 3= average, 5=best
1998 (3 rd leaf)	4.0
1999 (4 th leaf)	3.0
2000 (5 th leaf)	Missing
Average Rating for all 3 years	3.5

General Information:

Braeburn/Mark is a late-ripening cultivar. In the final year, some taste data was not taken because of time limits. The apple was 'riddled' with bitter pit that detracted from appearance. Otherwise, it was a well-shaped, large, crisp, juicy apple. Only one replicate. Small, low vigor tree.

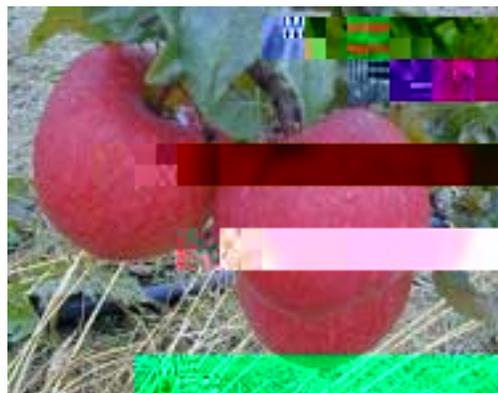
Carousel (a.k.a Cameo)/M.9
(Chance seedling)

Number of reps: 5

<i>Year</i>	<i>Average Harvest /Tree (kg)</i>	<i>Average Drops/Tree (kg)</i>	<i>Average TCSA (cm²)</i>
<i>1998 (3rd leaf)</i>	<i>10.26</i>	<i>0.11</i>	<i>9.97</i>
<i>1999 (4th leaf)</i>	<i>14.33</i>	<i>1.43</i>	<i>12.20</i>
<i>2000 (5th leaf)</i>	<i>19.11</i>	<i>0.06</i>	<i>15.26</i>

Gala Supreme/M.9

(Chance seedling)



Number of reps: 2

<i>Year</i>	<i>Average Harvest /Tree (kg)</i>	<i>Average Drops/Tree (kg)</i>	<i>Average TCSA (cm²)</i>
<i>1998 (3rd leaf)</i>	5.88	0.13	8.20
<i>1999 (4th leaf)</i>	3.27	0.05	11.50
<i>2000 (5th leaf)</i>	4.62	0.00	14.40

Cumulative Yield Efficiency: 0.90 kg·cm⁻² (23rd out of 23)
Average Annual Terminal Growth (cm): 24.3

<i>Three year summary of fruit evaluation (1998-2000)</i>					
<i>Average Harvest Date</i>	<i>Average Days from FB to Harvest</i>	<i>Average Starch Index at Harvest</i>	<i>Average Soluble Solids at Harvest (% brix)</i>	<i>Average Red Color (%)</i>	<i>Average Overcolor/Blush (%)</i>
<i>7-Oct</i>	<i>145</i>	<i>3.5</i>	<i>14.1</i>	<i>68%</i>	<i>N/A</i>

Overall Desirability (Look & Taste)

<i>Year</i>	<i>Scale of 1-5: 1=worst, 3= average, 5=best</i>
<i>1998 (3rd leaf)</i>	<i>1.5</i>
<i>1999 (4th leaf)</i>	<i>Missing</i>
<i>2000 (5th leaf)</i>	<i>2.0</i>
<i>Average Rating for all 3 years</i>	<i>1.8</i>

General Information:

Low yield, large trees, poor flavor.

Ginger Gold/M.9

(Chance seedling)

Number of reps: 5

<i>Year</i>	<i>Average Harvest /Tree (kg)</i>	<i>Average Drops/Tree (kg)</i>	<i>Average TCSA (cm²)</i>
<i>1998 (3)</i>			

Golden Delicious/M.9 (Chance seedling)



Number of reps: 5

<i>Year</i>	<i>Average Harvest /Tree (kg)</i>	<i>Average Drops/Tree (kg)</i>	<i>Average TCSA (cm²)</i>
<i>1998 (3rd leaf)</i>	<i>11.64</i>	<i>0.56</i>	<i>8.10</i>
<i>1999 (4th leaf)</i>	<i>5.07</i>	<i>2.28</i>	<i>10.80</i>
<i>2000 (5th leaf)</i>	<i>14.51</i>	<i>0.12</i>	<i>12.36</i>

Cumulative Yield Efficiency: 2.82 kg·cm⁻² (5th out of 23)
Average Annual Terminal Growth (cm): 17.8

<i>Three year summary of fruit evaluation (1998-2000)</i>					
<i>Average Harvest Date</i>	<i>Average Days from FB to Harvest</i>	<i>Average Starch Index at Harvest</i>	<i>Average Soluble Solids at Harvest (% brix)</i>	<i>Average Red Color (%)</i>	<i>Average Overcolor/Blush (%)</i>
<i>5-Oct</i>	<i>143</i>	<i>6.3</i>	<i>14.8</i>	<i>N/A</i>	<i>7%</i>

Overall Desirability (Look & Taste)

<i>Year</i>	<i>Scale of 1-5: 1=worst, 3= average, 5=best</i>
<i>1998 (3rd leaf)</i>	<i>2.7</i>
<i>1999 (4th leaf)</i>	<i>3.2</i>
<i>2000 (5th leaf)</i>	<i>4.2</i>
<i>Average Rating for all 3 years</i>	<i>3.4</i>

General Information:
Standard cultivar.

Golden Supreme/M.9 (Chance seedling)

Number of reps: 4

<i>Year</i>	<i>Average Harvest /Tree (kg)</i>	<i>Average Drops/Tree (kg)</i>	<i>Average TCSA (cm²)</i>
<i>1998 (3rd)</i>			

GoldRush/M.9
(Golden Delicious x Co-op 17)



Number of reps: 5

<i>Year</i>	<i>Average Harvest /Tree (kg)</i>	<i>Average Drops/Tree (kg)</i>	<i>Average TCSA (cm²)</i>
<i>1998 (3rd leaf)</i>	<i>5.60</i>	<i>0.03</i>	<i>11.52</i>
<i>1999 (4th leaf)</i>	<i>11.87</i>	<i>0.06</i>	<i>9.30</i>
<i>2000 (5th leaf)</i>	<i>6.54</i>	<i>0.05</i>	<i>12.40</i>

Cumulative Yield Efficiency: 1.86 kg·cm⁻² (15th out of 23)
Average Annual Terminal Growth (cm): 16.6

<i>Three year summary of fruit evaluation (1998-2000)</i>					
<i>Average Harvest Date</i>	<i>Average Days from FB to Harvest</i>	<i>Average Starch Index at Harvest</i>	<i>Average Soluble Solids at Harvest (% brix)</i>	<i>Average Red Color (%)</i>	<i>Average Overcolor/Blush (%)</i>
<i>12-Oct</i>	<i>154</i>	<i>2.2</i>	<i>14.1</i>	<i>N/A</i>	<i>15%</i>

Overall Desirability (Look & Taste)

<i>Year</i>	<i>Scale of 1-5: 1=worst, 3= average, 5=best</i>
<i>1998 (3rd leaf)</i>	<i>2.6</i>
<i>1999 (4th leaf)</i>	<i>2.7</i>
<i>2000 (5th leaf)</i>	<i>Missing</i>
<i>Average Rating for all 3 years</i>	<i>2.7</i>

General Information:

Cultivar does not reach maturity in Vermont. Small green baseballs. Tree was small and low in vigor.

NY429 (a.k.a. Fortune)/M.9
(Red Spy x Empire)

Number of reps: 4

<i>Year</i>	<i>Average Harvest /Tree (kg)</i>	<i>Average Drops/Tree (kg)</i>	<i>Average TCOSA (cm²)</i>
<i>1998 (3rd leaf)</i>			

NY75414-1/M.9

Orin/M.9

(Golden Delicious x Indo)

Number of reps: 3

<i>Year</i>	<i>Average Harvest /Tree (kg)</i>	<i>Average Drops/Tree (kg)</i>	<i>Average TCSA (cm²)</i>
<i>1998 (3rd leaf)</i>	<i>10.07</i>	<i>0.38</i>	<i>16.40</i>
<i>1999 (4th leaf)</i>	<i>8.54</i>	<i>0.40</i>	<i>13.27</i>
<i>2000 (5th leaf)</i>	<i>19.04</i>	<i>0.44</i>	<i>15.10</i>

Cumulative Yield Efficiency: 2.57 kg·cm⁻² (7th out of 23: tied with Sunrise/M.9)

Average Annual Terminal Growth (cm): 16.5

<i>Three year summary of fruit evaluation (1998-2000)</i>					
<i>Average Harvest Date</i>	<i>Average Days from FB to Harvest</i>	<i>Average Starch Index at Harvest</i>	<i>Average Soluble Solids at Harvest (% brix)</i>	<i>Average Red Color (%)</i>	<i>Average Overcolor/Blush (%)</i>
<i>3-Oct</i>	<i>146</i>	<i>4.3</i>	<i>14.2</i>	<i>N/A</i>	<i>4%</i>

Scale of 1-5: 1=worst, 3= average, 5=best

<i>Year</i>	<i>Scale of 1-5: 1=worst, 3= average, 5=best</i>
<i>1998 (3rd leaf)</i>	<i>2.3</i>
<i>1999 (4th leaf)</i>	<i>1.0</i>
<i>2000 (5th leaf)</i>	<i>2.5</i>
<i>Average Rating for all 3 years</i>	<i>1.9</i>

General Information:

Good-size fruit, taste is acceptable---But it's an unattractive apple. Large lenticels on a dull green color. The tree was precocious and vigorous. TRIPLOID.

Pristine/M.9

(Co-op 10 x Camuzat)

Number of reps: 3

<i>Year</i>	<i>Average Harvest /Tree (kg)</i>	<i>Average Drops/Tree (kg)</i>	<i>Average TCSA (cm²)</i>
<i>1998 (3rd leaf)</i>	<i>7.20</i>	<i>3.90</i>	<i>16.40</i>
<i>1999 (4th leaf)</i>	<i>0.00</i>	<i>2.22</i>	<i>11.40</i>
<i>2000 (5th leaf)</i>	<i>3.67</i>	<i>9.44</i>	<i>10.90</i>

Cumulative Yield Efficiency: 2.65g·cm⁻² (6^h out of 23)
Average Annual Terminal Growth (cm): 20.2

<i>Three year summary of fruit evaluation (1998-2000)</i>					
<i>Average Harvest Date</i>	<i>Average Days from FB to Harvest</i>	<i>Average Starch Index at Harvest</i>	<i>Average Soluble Solids at Harvest (% brix)</i>	<i>Average Red Color (%)</i>	<i>Average Overcolor/Blush (%)</i>
<i>4M1.82cy:0(ssing6.1966 -114.04 728(98Tc0.07.0013)TjTTf))Tj</i>					<i>leaf)</i>

Sansa/M.9
(Gala x Akane)



Number of reps: 5

Year	Average Harvest /Tree (kg)	Average Drops/Tree (kg)	Average TCSA (cm ²)
1998 (3 rd leaf)	1.43	0.00	5.40
1999 (4 th leaf)	4.92	0.11	6.48
2000 (5 th leaf)	5.02	0.23	7.50

Cumulative Yield Efficiency: 1.68 kg·cm⁻² (18th out of 23)

Average Annual Terminal Growth (cm): 19.7

Three year summary of fruit evaluation (1998-2000)					
Average Harvest Date	Average Days from FB to Harvest	Average Starch Index at Harvest	Average Soluble Solids at Harvest (% brix)	Average Red Color (%)	Average Overcolor/Blush (%)
29-Aug	104	5.5	13.5	68%	N/A

Scale of 1-5: 1=worst, 3= average, 5=best

Year	Scale of 1-5: 1=worst, 3= average, 5=best
1998 (3 rd leaf)	3.8
1999 (4 th leaf)	2.6
2000 (5 th leaf)	3.3
Average Rating for all 3 years	3.2

General Information:

The apple was acceptable: 75% red, sweet good flavored. Data for this cultivar in this planting may be misleading because the trees are virus-infected. The tree was low in vigor—small, stunted and spur bound.

Shizuka/M.9

(Golden Delicious x Indo)

Number of reps: 2

<i>Year</i>	<i>Average Harvest /Tree (kg)</i>	<i>Average Drops/Tree (kg)</i>	<i>Average TCSA (cm²)</i>
<i>1998 (3rd leaf)</i>	<i>0.50</i>	<i>0.00</i>	<i>10.90</i>
<i>1999 (4th)</i>	<i>0.50</i>	<i>0.00</i>	<i>0.90</i>

Suncrisp (a.k.a NJ-55)/M.9

Sunrise/M.9

(McIntosh/G.Delicious x Chance Seedling)



Number of reps: 5

<i>Year</i>	<i>Average Harvest /Tree (kg)</i>	<i>Average Drops/Tree (kg)</i>	<i>Average TCSA (cm²)</i>
<i>1998 (3rd leaf)</i>	<i>11.25</i>	<i>0.25</i>	<i>11.88</i>
<i>1999 (4th leaf)</i>	<i>8.18</i>	<i>0.02</i>	<i>10.24</i>
<i>2000 (5th leaf)</i>	<i>12.52</i>	<i>0.00</i>	<i>12.44</i>

Cumulative Yield Efficiency: 2.57 kg·cm⁻² (7th out of 23: tied with Orin/M.9)
Average Annual Terminal Growth (cm): 18.9

Three year summary of fruit evaluation (1998-2000)

<i>Average Harvest Date</i>	<i>Average Days from FB to Harvest</i>	<i>Average Starch Index at Harvest</i>	<i>Average Soluble Solids at Harvest (% brix)</i>	<i>Average Red Color (%)</i>	<i>Average Overcolor/Blush (%)</i>
<i>22-Aug</i>	<i>104</i>	<i>3.7</i>	<i>12.2</i>	<i>53%</i>	<i>N/A</i>

Scale of 1-5: 1=worst, 3= average, 5=best

<i>Year</i>	<i>Scale of 1-5: 1=worst, 3= average, 5=best</i>
<i>1998 (3rd leaf)</i>	<i>3.9</i>
<i>1999 (4th leaf)</i>	<i>3.4</i>
<i>2000 (5th leaf)</i>	<i>3.8</i>
<i>Average Rating for all 3 years</i>	<i>3.7</i>

General Information:

Early ripening, attractive apple (50% red). Acceptable flavor. Tree was large and vigorous.

Yataka/M.9

Number of reps: 5

<i>Year</i>	<i>Average Harvest /Tree (kg)</i>	<i>Average Drops/Tree (kg)</i>	<i>Average TCSA (cm²)</i>
<i>1998 (3rd leaf)</i>	<i>1.43</i>	<i>0.03</i>	<i>8.3</i>
<i>1999 (4th leaf)</i>	<i>11.44</i>	<i>0.49</i>	<i>9.70</i>
<i>2000 (5th leaf)</i>	<i>3.63</i>	<i>0.02</i>	<i>12.56</i>

Cumulative Yield Efficiency: 1.38 kg·cm⁻² (22nd out of 23)

