MUCK VEGETABLE VARIETY TRIALS 1976

M. Valk  E. Knibbe
Horticultural Research Institute of Ontario

Muck Research Station
Holland Marsh
R.R.1 Kettleby
Ontario
VEGETABLE VARIETY TRIAL REPORT 1976

## CONTENTS

<table>
<thead>
<tr>
<th>Contents</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seed Sources</td>
<td>1,3,</td>
</tr>
<tr>
<td>Weather Data</td>
<td>4</td>
</tr>
<tr>
<td>Variety Trials</td>
<td></td>
</tr>
<tr>
<td>Greenhouse Tomato</td>
<td></td>
</tr>
<tr>
<td>- Variety Trial</td>
<td>5</td>
</tr>
<tr>
<td>Broccoli</td>
<td></td>
</tr>
<tr>
<td>- Main Trial</td>
<td>6</td>
</tr>
<tr>
<td>- Adaptation Trial</td>
<td>7</td>
</tr>
<tr>
<td>Red Cabbage</td>
<td></td>
</tr>
<tr>
<td>- Main Trial</td>
<td>8</td>
</tr>
<tr>
<td>- Adaptation Trial</td>
<td>9</td>
</tr>
<tr>
<td>Savoy Cabbage</td>
<td></td>
</tr>
<tr>
<td>- Main Trial</td>
<td>10</td>
</tr>
<tr>
<td>- Adaptation Trial</td>
<td>11</td>
</tr>
<tr>
<td>Carrots</td>
<td></td>
</tr>
<tr>
<td>- Main Trial (Packaging)</td>
<td>12,13</td>
</tr>
<tr>
<td>- Main Trial (Processing)</td>
<td>14</td>
</tr>
<tr>
<td>- Storage Trial</td>
<td>15</td>
</tr>
<tr>
<td>- Summary of Carrot Varieties</td>
<td>16</td>
</tr>
<tr>
<td>- Adaptation Trial (Packaging)</td>
<td>17-21</td>
</tr>
<tr>
<td>- Adaptation Trial (Processing)</td>
<td>22,23</td>
</tr>
<tr>
<td>Cauliflower</td>
<td></td>
</tr>
<tr>
<td>- Main Trial</td>
<td>25</td>
</tr>
<tr>
<td>- Adaptation Trial</td>
<td>26,27</td>
</tr>
<tr>
<td>Celery</td>
<td></td>
</tr>
<tr>
<td>- Transplanted Trial</td>
<td>28</td>
</tr>
<tr>
<td>- Late Trial</td>
<td>29</td>
</tr>
<tr>
<td>Lettuce</td>
<td></td>
</tr>
<tr>
<td>- Transplanted Trial</td>
<td>30</td>
</tr>
<tr>
<td>- Early Seeded Trial</td>
<td>31</td>
</tr>
<tr>
<td>- Early Seeded Adaptation Trial</td>
<td>32</td>
</tr>
<tr>
<td>- Mid-Season Trial</td>
<td>33</td>
</tr>
<tr>
<td>- Late Trial</td>
<td>34</td>
</tr>
<tr>
<td>Onions</td>
<td></td>
</tr>
<tr>
<td>- Storage Trial</td>
<td>35</td>
</tr>
<tr>
<td>- Summary of Onion Varieties</td>
<td>36</td>
</tr>
<tr>
<td>- Main Trial</td>
<td>37</td>
</tr>
<tr>
<td>- Adaptation Trial</td>
<td>38-41</td>
</tr>
<tr>
<td>Potatoes</td>
<td></td>
</tr>
<tr>
<td>- Main Trial</td>
<td>42</td>
</tr>
<tr>
<td>Special Projects</td>
<td></td>
</tr>
<tr>
<td>- Celery Storage Trial</td>
<td>43</td>
</tr>
<tr>
<td>- Parsnips Spacing Trial</td>
<td>44</td>
</tr>
<tr>
<td>- Potatoes Spacing Trial</td>
<td>45</td>
</tr>
<tr>
<td>- Rates &amp; Sources of Nitrogen on Onions.</td>
<td>46</td>
</tr>
</tbody>
</table>
We wish to express our sincere thanks to the companies who provided us with seed for trials.

<table>
<thead>
<tr>
<th>Company</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agw</td>
<td>Agway Inc., Seed Div., Box 1333, Syracuse, New York, 13201</td>
</tr>
<tr>
<td>Asg</td>
<td>Asgrow Seed Co., Box 610, Bradford, Ont. L0G 1C0</td>
</tr>
<tr>
<td>Asm</td>
<td>Asmer House, Ash St., Leicester, England LE5 0DD</td>
</tr>
<tr>
<td>Bee</td>
<td>Beemsterboer N.V., P.O. Box 2, Warmenhuizen, The Netherlands</td>
</tr>
<tr>
<td>BEJO</td>
<td>Beemsterboer &amp; Jacob Jong Seed Co., Ltd., Box 9, Noordscharwoude, Holland</td>
</tr>
<tr>
<td>Bro</td>
<td>Broersen Bros., P.O. 4, Tuitjenhorn, The Netherlands</td>
</tr>
<tr>
<td>Bru</td>
<td>Bruinsma b.v., P.O. Box 24, Naaldwijk, Holland</td>
</tr>
<tr>
<td>Bur</td>
<td>Roy Burghart, Bureka Greenhouses, Lafayette Rd., Greenville, Mich. 48838</td>
</tr>
<tr>
<td>Cla</td>
<td>L. Clause S.A., 91220 Bretigny-sur-Orge, France</td>
</tr>
<tr>
<td>Cro</td>
<td>Crookham Co. P.O. Box 520, Caldwell, Idaho, U.S.A. 83605</td>
</tr>
<tr>
<td>DZR</td>
<td>De Ruiterzonen b.v., Bleiswijk, Holland</td>
</tr>
<tr>
<td>D.P.</td>
<td>DVD Floeg's Elite Zaden b.v., NL3220, Barendrecht, Holland</td>
</tr>
<tr>
<td>Des</td>
<td>Dessert Seed Co., P.O. Box 181, El Centro, California, U.S.A. 92243</td>
</tr>
<tr>
<td>Enza</td>
<td>Enza Zaden, P.O. 7, Enkhuizen, Holland</td>
</tr>
<tr>
<td>F.M.</td>
<td>Ferry Morse Seed Co., Box 100, Mt. View, California, 94042</td>
</tr>
<tr>
<td>FMC</td>
<td>FMC, Agricultural Chemical Div., Box 3091, Modesto, Cal. 95353</td>
</tr>
<tr>
<td>Har</td>
<td>Harris Co. Inc., Morcon Farms, Rochester, N.Y., 14624</td>
</tr>
<tr>
<td>Her</td>
<td>Herbst Bros., 1000 N. Main St., Brewster, N.Y., 10509</td>
</tr>
<tr>
<td>Jong</td>
<td>Jacob Jong Seed Co., Box 9, Noordscharwoude, Holland</td>
</tr>
<tr>
<td>Key</td>
<td>Keystone Seed Co., Box 942, Hollister, California, 95023</td>
</tr>
<tr>
<td>Kerr</td>
<td>Dr. E. Kerr, Horticultural Experiment Station, Box 587, Simcoe, Ont. N3Y 4N5</td>
</tr>
<tr>
<td>MSU</td>
<td>Michigan State Univ. East Lansing, Michigan, U.S.A. 48823</td>
</tr>
<tr>
<td>Nia</td>
<td>FMC Agric. Chemical Div., Box 3091, Modesto, California 95353</td>
</tr>
<tr>
<td>N.K.</td>
<td>Northrup, King &amp; Co., 1500 Jackson St. N.E., Minneapolis, Minn. 55413</td>
</tr>
<tr>
<td>N.Z.</td>
<td>Nunheins Zaden b.v., Haelen, Holland</td>
</tr>
<tr>
<td>Oh.E</td>
<td>J.E. Ohlsen's Enke, NY Munkegaard, DK-2630 Taastrup, Denmark</td>
</tr>
<tr>
<td>Pan</td>
<td>C.W. Pannevis, Zaadteelt en Zaadhandel B.V., Westeinde 62, P.O. 2, Enkhuizen, Holland</td>
</tr>
<tr>
<td>Code</td>
<td>Organization/Address</td>
</tr>
<tr>
<td>------</td>
<td>----------------------</td>
</tr>
<tr>
<td>FGR</td>
<td>Plant Gene Resources of Canada, Agriculture Canada Research Branch, Ottawa Research Station, Ottawa, Ontario K1A 0C6</td>
</tr>
<tr>
<td>P.W.</td>
<td>Pisters-Wheeler, P.O. Box 217, Gilroy, California, 95020</td>
</tr>
<tr>
<td>Reed</td>
<td>Reeds Seeds, Corland, New York, U.S.A.</td>
</tr>
<tr>
<td>R.Zw</td>
<td>Rijk Zwaan, Burgemeester, Crezeelaan 40, P.O. 40, De Lier, Holland</td>
</tr>
<tr>
<td>Ro.B.</td>
<td>Rogers Bros Co., Box 2188, Idaho Falls, Idaho, 83401</td>
</tr>
<tr>
<td>R.Sl.</td>
<td>Royal Sluis, P.O. Box 22, Enkhuizen, The Netherlands</td>
</tr>
<tr>
<td>Sak</td>
<td>Sakata &amp; Company, 2 Kiribatake, Kanagawa-KU, Yokohama, Japan</td>
</tr>
<tr>
<td>S.G.</td>
<td>Sluis en Groot, Enkhuizen, Box 13, The Netherlands</td>
</tr>
<tr>
<td>Sto</td>
<td>Stokes Seeds Ltd., 39 James St., St. Catharines, Ontario</td>
</tr>
<tr>
<td>Tak</td>
<td>Takii, P.O. Box 7, Kyoto Central, Japan</td>
</tr>
<tr>
<td>Trp</td>
<td>Trapp &amp; Sons, Beulah, Michigan, U.S.A.</td>
</tr>
<tr>
<td>Twi</td>
<td>Otis S. Twilley, Salisbury, Maryland, U.S.A. 21801</td>
</tr>
<tr>
<td>VDB</td>
<td>VandenBerg N.V., P.O. Box 25, Naaldwijk, The Netherlands</td>
</tr>
<tr>
<td>Ves</td>
<td>Vesey's Seeds Ltd., York, Prince Edward Island, Canada</td>
</tr>
<tr>
<td>WSU</td>
<td>Wisconsin State University, Dept. of Hort., 1575 Linden Dr., Madison, Wisconsin, 53706</td>
</tr>
</tbody>
</table>
## MUCK RESEARCH STATION

### Weather Data

<table>
<thead>
<tr>
<th>Month</th>
<th>Mean Maximum °C</th>
<th>Mean Minimum °C</th>
<th>Rainfall (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>75 76 LTA</td>
<td>75 76 LTA</td>
<td>75 76 LTA</td>
</tr>
<tr>
<td>May</td>
<td>16 61 18 64</td>
<td>6 48 5 41</td>
<td>79 86 3.4 80</td>
</tr>
<tr>
<td>June</td>
<td>26 79 24 75</td>
<td>12 12 54 11 52</td>
<td>56 66 2.6 73</td>
</tr>
<tr>
<td>July</td>
<td>24 75 21 81</td>
<td>13 13 55 13 56</td>
<td>66 185 74 75 3.0</td>
</tr>
<tr>
<td>August</td>
<td>24 75 26 79</td>
<td>12 12 54 12 54</td>
<td>74 51 2.0 75 3.0</td>
</tr>
<tr>
<td>Sept.</td>
<td>19 66 21 69</td>
<td>7 8 46 9 48</td>
<td>69 102 4.1 66</td>
</tr>
<tr>
<td>Oct.</td>
<td>10 50 15 59</td>
<td>4 23 6 4 39</td>
<td>38 79 3.1 59</td>
</tr>
</tbody>
</table>

LTA = Long Term Average

### HOURS OF SUNSHINE

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan.</td>
<td>75</td>
<td>85</td>
<td>80</td>
<td>80</td>
<td>80</td>
</tr>
<tr>
<td>Feb.</td>
<td>88</td>
<td>105</td>
<td>99</td>
<td>96</td>
<td>96</td>
</tr>
<tr>
<td>March</td>
<td>114</td>
<td>177</td>
<td>131</td>
<td>124</td>
<td>124</td>
</tr>
<tr>
<td>April</td>
<td>185</td>
<td>221</td>
<td>206</td>
<td>168</td>
<td>163</td>
</tr>
<tr>
<td>May</td>
<td>256</td>
<td>197 Low</td>
<td>341</td>
<td>227</td>
<td>228</td>
</tr>
<tr>
<td>June</td>
<td>272</td>
<td>261</td>
<td>282</td>
<td>251</td>
<td>243</td>
</tr>
<tr>
<td>July</td>
<td>292</td>
<td>250</td>
<td>309</td>
<td>286</td>
<td>286</td>
</tr>
<tr>
<td>August</td>
<td>227</td>
<td>268</td>
<td>255</td>
<td>251</td>
<td>251</td>
</tr>
<tr>
<td>Sept.</td>
<td>160</td>
<td>192</td>
<td>104.2</td>
<td>171</td>
<td>181</td>
</tr>
<tr>
<td>Oct.</td>
<td>127</td>
<td>114</td>
<td>162.1</td>
<td>143</td>
<td>160</td>
</tr>
<tr>
<td>Nov.</td>
<td>73</td>
<td>88</td>
<td>47.5</td>
<td>74</td>
<td>87</td>
</tr>
<tr>
<td>Dec.</td>
<td>58</td>
<td>83</td>
<td>69</td>
<td>65.6</td>
<td>65.6</td>
</tr>
<tr>
<td>Variety</td>
<td>Source</td>
<td>Harvest Date</td>
<td>Yield at 100% stand Tons/Acre</td>
<td>Ave. Weight/Head (pounds)</td>
<td>% Mohle Harvest II</td>
</tr>
<tr>
<td>------------------------</td>
<td>--------</td>
<td>--------------</td>
<td>-------------------------------</td>
<td>---------------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>Exp.Hyb.6040</td>
<td>Key</td>
<td>1/9</td>
<td>42</td>
<td>3.9</td>
<td>0</td>
</tr>
<tr>
<td>Exp.Hyb.6038</td>
<td>Key</td>
<td>1/9</td>
<td>36</td>
<td>3.3</td>
<td>0</td>
</tr>
<tr>
<td>Exp.Hyb.1694</td>
<td>Key</td>
<td>27/9</td>
<td>59</td>
<td>5.5</td>
<td>85</td>
</tr>
<tr>
<td>Exp.Hyb.1695</td>
<td>Key</td>
<td>27/8</td>
<td>21</td>
<td>2.0</td>
<td>80</td>
</tr>
<tr>
<td>Exp.Hyb.1696</td>
<td>Key</td>
<td>1/9</td>
<td>50</td>
<td>4.6</td>
<td>90</td>
</tr>
<tr>
<td>Exp.Hyb.1559</td>
<td>Key</td>
<td>16/9</td>
<td>33</td>
<td>3.1</td>
<td>64</td>
</tr>
<tr>
<td>Exp.Hyb.1558</td>
<td>Key</td>
<td>8/9</td>
<td>37</td>
<td>3.4</td>
<td>0</td>
</tr>
<tr>
<td>Exp.Hyb.1557</td>
<td>Key</td>
<td>10/9</td>
<td>30</td>
<td>2.8</td>
<td>0</td>
</tr>
<tr>
<td>Earlimart</td>
<td>Key</td>
<td>10/9</td>
<td>44</td>
<td>4.1</td>
<td>0</td>
</tr>
<tr>
<td>Earlibird</td>
<td>Key</td>
<td>10/9</td>
<td>44</td>
<td>4.1</td>
<td>0</td>
</tr>
<tr>
<td>Earlittimes</td>
<td>Key</td>
<td>10/9</td>
<td>40</td>
<td>3.7</td>
<td>0</td>
</tr>
<tr>
<td>Green Delight</td>
<td>Key</td>
<td>8/9</td>
<td>29</td>
<td>2.7</td>
<td>0</td>
</tr>
<tr>
<td>Golden Acre K Strain</td>
<td>Key</td>
<td>8/9</td>
<td>36</td>
<td>3.3</td>
<td>0</td>
</tr>
<tr>
<td>Exp.Hyb.1561</td>
<td>Key</td>
<td>8/9</td>
<td>37</td>
<td>3.4</td>
<td>0</td>
</tr>
<tr>
<td>Exp.Hyb.7907</td>
<td>Key</td>
<td>3/9</td>
<td>30</td>
<td>2.8</td>
<td>0</td>
</tr>
<tr>
<td>Venus</td>
<td>Des</td>
<td>10/9</td>
<td>48</td>
<td>4.0</td>
<td>0</td>
</tr>
<tr>
<td>Mercury</td>
<td>Des</td>
<td>17/9</td>
<td>42</td>
<td>3.9</td>
<td>10</td>
</tr>
<tr>
<td>Vela F 1</td>
<td>Rog</td>
<td>25/8</td>
<td>28</td>
<td>2.6</td>
<td>0</td>
</tr>
<tr>
<td>Ursa F 1</td>
<td>Rog</td>
<td>27/9</td>
<td>76</td>
<td>7.0</td>
<td>50</td>
</tr>
<tr>
<td>Express</td>
<td>Asg</td>
<td>10/9</td>
<td>50</td>
<td>4.6</td>
<td>0</td>
</tr>
<tr>
<td>Enterprise</td>
<td>Asg</td>
<td>10/9</td>
<td>32</td>
<td>2.9</td>
<td>0</td>
</tr>
<tr>
<td>Head Start</td>
<td>Asg</td>
<td>3/9</td>
<td>37</td>
<td>3.4</td>
<td>0</td>
</tr>
<tr>
<td>Minicolle</td>
<td>Bee</td>
<td>16/9</td>
<td>30</td>
<td>2.8</td>
<td>100</td>
</tr>
<tr>
<td>Vela F 1</td>
<td>R.Sl</td>
<td>25/8</td>
<td>30</td>
<td>2.8</td>
<td>0</td>
</tr>
<tr>
<td>Libra</td>
<td>R.Sl</td>
<td>25/8</td>
<td>20</td>
<td>1.9</td>
<td>0</td>
</tr>
<tr>
<td>Celsa F 1</td>
<td>Bee</td>
<td>22/10</td>
<td>54</td>
<td>4.9</td>
<td>frozen</td>
</tr>
<tr>
<td>Eastern Ballhead</td>
<td>Agw</td>
<td>12/10</td>
<td>34</td>
<td>3.1</td>
<td>frozen</td>
</tr>
<tr>
<td>Variety</td>
<td>Source</td>
<td>Harvest Date</td>
<td>Yield at 100% stand</td>
<td>% Mole Harvest II</td>
<td>Uniformity</td>
</tr>
<tr>
<td>-------------------------</td>
<td>--------</td>
<td>--------------</td>
<td>---------------------</td>
<td>-------------------</td>
<td>------------</td>
</tr>
<tr>
<td>Winter White R III</td>
<td>S. &amp; G</td>
<td>12/10</td>
<td>31</td>
<td>2.9</td>
<td>frozen</td>
</tr>
<tr>
<td>Earliana (R)</td>
<td>S. &amp; G</td>
<td>25/8</td>
<td>23</td>
<td>2.1</td>
<td>0</td>
</tr>
<tr>
<td>Winter White (R)</td>
<td>S. &amp; G</td>
<td>12/10</td>
<td>41</td>
<td>3.8</td>
<td>frozen</td>
</tr>
<tr>
<td>Synar Green F 1 Hyb.</td>
<td>S. &amp; G</td>
<td>8/9</td>
<td>34</td>
<td>3.2</td>
<td>0</td>
</tr>
<tr>
<td>1240 BRR</td>
<td>Har</td>
<td>8/10</td>
<td>31</td>
<td>2.9</td>
<td>frozen</td>
</tr>
<tr>
<td>510-15 1241BRR</td>
<td>Har</td>
<td>10/9</td>
<td>37</td>
<td>3.4</td>
<td>0</td>
</tr>
<tr>
<td>510-18 1245BRR</td>
<td>Har</td>
<td>10/9</td>
<td>39</td>
<td>3.6</td>
<td>60</td>
</tr>
<tr>
<td>Market Topper</td>
<td>Har</td>
<td>10/9</td>
<td>39</td>
<td>3.6</td>
<td>53</td>
</tr>
<tr>
<td>Hyb.15</td>
<td>Har</td>
<td>14/9</td>
<td>40</td>
<td>3.8</td>
<td>0</td>
</tr>
<tr>
<td>Market Victor</td>
<td>Har</td>
<td>3/9</td>
<td>44</td>
<td>4.1</td>
<td>0</td>
</tr>
</tbody>
</table>

Notes: Cabbage direct seeded June 15, non-replicated. Plot seriously affected by clubroot.

Key: Uniformity 5 = very uniform 1 = very poor
Height off ground 5 = high 1 = low
Shape of Head 5 = flat 3 = globe 1 = pointed
Habit 5 = sprawling 3 = medium 1 = compact
External Color 5 = dark 1 = pale
Head protection 5 = very good 1 = very poor
Internal color 5 = white 1 = dark
Core size 5 = small 1 = large
Harvest II is 4 weeks after the initial harvest date.
<table>
<thead>
<tr>
<th>Cultivar</th>
<th>Source</th>
<th>Yield mkb. frt. to June 28 gm</th>
<th>Yield mkb. frt. /plant gm</th>
<th>Total Yield gm</th>
<th>Yld. x-Lge /plant gm</th>
<th>Yld. lge /plant gm</th>
<th>Yld. med. /plant gm</th>
<th>Yld. smal. /plant gm</th>
<th>Yld. 2's /plant gm</th>
<th>Mchb. #/plant</th>
<th>Av Wt. Frt (gm)</th>
<th>Yld. non-mchb Frt /plant gm</th>
<th>Shape of fruit</th>
<th>Uniformity of color</th>
</tr>
</thead>
<tbody>
<tr>
<td>#5443/74</td>
<td>Bru</td>
<td>2968</td>
<td>10.16</td>
<td>880</td>
<td>20.21</td>
<td>34</td>
<td>1634</td>
<td>27</td>
<td>1141</td>
<td>3.7</td>
<td>4.0</td>
<td>448</td>
<td>3.7</td>
<td>4.2</td>
</tr>
<tr>
<td>#5027/74</td>
<td>Bru</td>
<td>3356</td>
<td>11.26</td>
<td>94.6</td>
<td>21.22</td>
<td>37</td>
<td>1982</td>
<td>26</td>
<td>1141</td>
<td>3.7</td>
<td>4.0</td>
<td>448</td>
<td>3.7</td>
<td>4.2</td>
</tr>
<tr>
<td>Ont. Hyb. 763</td>
<td>Kerr</td>
<td>4534</td>
<td>13.02</td>
<td>1412</td>
<td>28.52</td>
<td>64</td>
<td>1553</td>
<td>33</td>
<td>1141</td>
<td>3.7</td>
<td>4.0</td>
<td>448</td>
<td>3.7</td>
<td>4.2</td>
</tr>
<tr>
<td>Ont. Hyb. 764</td>
<td>Kerr</td>
<td>32.2</td>
<td>9.82</td>
<td>293</td>
<td>21.85</td>
<td>40.2</td>
<td>1455</td>
<td>34</td>
<td>1141</td>
<td>3.7</td>
<td>4.0</td>
<td>448</td>
<td>3.7</td>
<td>4.2</td>
</tr>
<tr>
<td>Vendor</td>
<td>Kerr</td>
<td>2446</td>
<td>7.47</td>
<td>198</td>
<td>993</td>
<td>166</td>
<td>1921</td>
<td>26</td>
<td>1141</td>
<td>3.7</td>
<td>4.0</td>
<td>448</td>
<td>3.7</td>
<td>4.2</td>
</tr>
<tr>
<td>Bureka #300 F.Hyb.</td>
<td>Bur</td>
<td>3376</td>
<td>10.82</td>
<td>94</td>
<td>2572</td>
<td>490</td>
<td>1619</td>
<td>39</td>
<td>1141</td>
<td>3.7</td>
<td>4.0</td>
<td>448</td>
<td>3.7</td>
<td>4.2</td>
</tr>
<tr>
<td>7520</td>
<td>Kerr</td>
<td>2657</td>
<td>5.85</td>
<td>20</td>
<td>1403</td>
<td>233</td>
<td>1990</td>
<td>29</td>
<td>1141</td>
<td>3.7</td>
<td>4.0</td>
<td>448</td>
<td>3.7</td>
<td>4.2</td>
</tr>
<tr>
<td>7525</td>
<td>Kerr</td>
<td>3660</td>
<td>8.06</td>
<td>401</td>
<td>1839</td>
<td>165</td>
<td>2180</td>
<td>34</td>
<td>1141</td>
<td>3.7</td>
<td>4.0</td>
<td>448</td>
<td>3.7</td>
<td>4.2</td>
</tr>
<tr>
<td>7526</td>
<td>Kerr</td>
<td>3478</td>
<td>7.69</td>
<td>29</td>
<td>1550</td>
<td>259</td>
<td>2615</td>
<td>45</td>
<td>1141</td>
<td>3.7</td>
<td>4.0</td>
<td>448</td>
<td>3.7</td>
<td>4.2</td>
</tr>
<tr>
<td>7526A</td>
<td>Kerr</td>
<td>3544</td>
<td>7.80</td>
<td>0</td>
<td>1907</td>
<td>486</td>
<td>2559</td>
<td>47</td>
<td>1141</td>
<td>3.7</td>
<td>4.0</td>
<td>448</td>
<td>3.7</td>
<td>4.2</td>
</tr>
<tr>
<td>B75 311</td>
<td>DRZ</td>
<td>3270</td>
<td>7.20</td>
<td>4729</td>
<td>10.45</td>
<td>1919</td>
<td>481</td>
<td>316</td>
<td>90</td>
<td>63</td>
<td>4.8</td>
<td>448</td>
<td>3.7</td>
<td>4.2</td>
</tr>
<tr>
<td>Michigan Ohio</td>
<td>Janse</td>
<td>4228</td>
<td>9.31</td>
<td>459</td>
<td>3377</td>
<td>366</td>
<td>2033</td>
<td>47</td>
<td>1141</td>
<td>3.7</td>
<td>4.0</td>
<td>448</td>
<td>3.7</td>
<td>4.2</td>
</tr>
<tr>
<td>B75 313</td>
<td>DRZ</td>
<td>3260</td>
<td>7.17</td>
<td>4571</td>
<td>10.06</td>
<td>18</td>
<td>1018</td>
<td>2034</td>
<td>1105</td>
<td>25</td>
<td>4.5</td>
<td>448</td>
<td>3.7</td>
<td>4.2</td>
</tr>
<tr>
<td>Hyb. 32081 TmCF</td>
<td>Pan</td>
<td>3663</td>
<td>8.06</td>
<td>4717</td>
<td>10.39</td>
<td>21</td>
<td>1599</td>
<td>1915</td>
<td>916</td>
<td>5</td>
<td>4.5</td>
<td>448</td>
<td>3.7</td>
<td>4.2</td>
</tr>
<tr>
<td>Hyb. 42136 TmF</td>
<td>Fan</td>
<td>3714</td>
<td>8.17</td>
<td>4948</td>
<td>10.89</td>
<td>63</td>
<td>2221</td>
<td>1563</td>
<td>820</td>
<td>20</td>
<td>4.3</td>
<td>448</td>
<td>3.7</td>
<td>4.2</td>
</tr>
<tr>
<td>520</td>
<td>Enza</td>
<td>4708</td>
<td>10.36</td>
<td>43</td>
<td>2778</td>
<td>2436</td>
<td>862</td>
<td>754</td>
<td>90</td>
<td>203</td>
<td>4.3</td>
<td>448</td>
<td>3.7</td>
<td>4.2</td>
</tr>
<tr>
<td>9959</td>
<td>Enza</td>
<td>3782</td>
<td>8.33</td>
<td>5227</td>
<td>11.51</td>
<td>42</td>
<td>2671</td>
<td>844</td>
<td>284</td>
<td>50</td>
<td>3.8</td>
<td>448</td>
<td>3.7</td>
<td>4.2</td>
</tr>
<tr>
<td>Viresta</td>
<td>Enza</td>
<td>3208</td>
<td>6.66</td>
<td>4411</td>
<td>9.71</td>
<td>0</td>
<td>1927</td>
<td>989</td>
<td>292</td>
<td>285</td>
<td>4.2</td>
<td>448</td>
<td>3.7</td>
<td>4.2</td>
</tr>
</tbody>
</table>

Shape of fruit and colour:
5 = most desirable
1 = least desirable
### Broccoli Main Variety Trial - 1976

<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Days to Harvest</th>
<th>% Mtb</th>
<th>% Plants Harvested</th>
<th>% Plants non-Harvested</th>
<th>W/H Head (grams)</th>
<th>Yield (lbs/acre)</th>
<th>Beak size</th>
<th>Ext. color</th>
<th>Uniform</th>
<th>Shape-Head</th>
<th>Breakdown</th>
<th>Open Florets</th>
<th>Yellow Eyes</th>
<th>Bracted</th>
<th>Loose</th>
<th>Hollow stem</th>
<th>Height of Head set</th>
<th>Length of Branches</th>
<th>% of Mktb once-over harvest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Premium Crop</td>
<td>Tak</td>
<td>73</td>
<td>100</td>
<td>0</td>
<td>0</td>
<td>236</td>
<td>9.2</td>
<td>4.3</td>
<td>4.1</td>
<td>4.1</td>
<td>4.3</td>
<td>5.0</td>
<td>4.9</td>
<td>4.0</td>
<td>4.9</td>
<td>4.0</td>
<td>4.5</td>
<td>Short</td>
<td>45</td>
<td></td>
</tr>
<tr>
<td>Green Comet</td>
<td>Tak</td>
<td>74</td>
<td>95</td>
<td>0</td>
<td>5</td>
<td>241</td>
<td>8.9</td>
<td>3.9</td>
<td>3.9</td>
<td>3.7</td>
<td>4.1</td>
<td>5.0</td>
<td>4.8</td>
<td>5.0</td>
<td>4.9</td>
<td>4.0</td>
<td>4.3</td>
<td>&quot;</td>
<td>&quot;</td>
<td>34</td>
</tr>
<tr>
<td>Southern Comet</td>
<td>Tak</td>
<td>74</td>
<td>90</td>
<td>3</td>
<td>7</td>
<td>251</td>
<td>8.8</td>
<td>4.3</td>
<td>4.0</td>
<td>3.8</td>
<td>4.0</td>
<td>4.8</td>
<td>5.0</td>
<td>4.9</td>
<td>4.8</td>
<td>4.5</td>
<td>3.8</td>
<td>&quot;</td>
<td>&quot;</td>
<td>39</td>
</tr>
<tr>
<td>Crusader</td>
<td>N.K.</td>
<td>78</td>
<td>87</td>
<td>4</td>
<td>9</td>
<td>248</td>
<td>8.4</td>
<td>3.6</td>
<td>3.9</td>
<td>3.9</td>
<td>4.8</td>
<td>5.0</td>
<td>5.0</td>
<td>2.6</td>
<td>5.0</td>
<td>4.6</td>
<td>3.6</td>
<td>&quot;</td>
<td>&quot;</td>
<td>44</td>
</tr>
<tr>
<td>Bravo</td>
<td>Sto</td>
<td>71</td>
<td>91</td>
<td>8</td>
<td>1</td>
<td>232</td>
<td>8.3</td>
<td>3.6</td>
<td>4.0</td>
<td>3.9</td>
<td>4.5</td>
<td>5.0</td>
<td>4.7</td>
<td>3.7</td>
<td>5.0</td>
<td>4.3</td>
<td>3.0 med.</td>
<td>51</td>
<td>2.8</td>
<td></td>
</tr>
<tr>
<td>Gem</td>
<td>Asg</td>
<td>72</td>
<td>84</td>
<td>16</td>
<td>0</td>
<td>253</td>
<td>8.2</td>
<td>3.7</td>
<td>3.9</td>
<td>3.7</td>
<td>4.5</td>
<td>4.9</td>
<td>4.9</td>
<td>4.4</td>
<td>2.7</td>
<td>4.2</td>
<td>2.8 med.</td>
<td>45</td>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>Green Hornet</td>
<td>Sto</td>
<td>73</td>
<td>80</td>
<td>3</td>
<td>17</td>
<td>243</td>
<td>7.6</td>
<td>4.4</td>
<td>4.0</td>
<td>3.9</td>
<td>4.9</td>
<td>4.8</td>
<td>4.8</td>
<td>4.8</td>
<td>4.9</td>
<td>4.4</td>
<td>3.8 deep</td>
<td>53</td>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>Cape Queen</td>
<td>Tak</td>
<td>73</td>
<td>77</td>
<td>6</td>
<td>17</td>
<td>235</td>
<td>7.1</td>
<td>3.8</td>
<td>3.9</td>
<td>3.7</td>
<td>4.3</td>
<td>4.9</td>
<td>4.9</td>
<td>4.5</td>
<td>4.5</td>
<td>3.8</td>
<td>3.8 deep</td>
<td>57</td>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>Hybrid A</td>
<td>Har</td>
<td>72</td>
<td>85</td>
<td>15</td>
<td>0</td>
<td>210</td>
<td>7.0</td>
<td>3.4</td>
<td>3.9</td>
<td>3.8</td>
<td>4.1</td>
<td>3.9</td>
<td>3.8</td>
<td>4.7</td>
<td>3.5</td>
<td>3.5</td>
<td>2.4 high</td>
<td>50</td>
<td>2.9</td>
<td></td>
</tr>
<tr>
<td>Hybrid E</td>
<td>Har</td>
<td>75</td>
<td>87</td>
<td>4</td>
<td>9</td>
<td>179</td>
<td>6.1</td>
<td>3.1</td>
<td>3.5</td>
<td>3.8</td>
<td>4.9</td>
<td>4.7</td>
<td>3.1</td>
<td>4.5</td>
<td>4.8</td>
<td>4.0</td>
<td>4.0 med.</td>
<td>26</td>
<td>High</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- 5 = most desirable  1 = least desirable
- Height of head set: high set heads are easier to harvest.
- Long branched terminals lend themselves better for fresh market packaging.
- Direct seeded: June 15 in rows 23" apart. After thinning to 6" in the row, the stand was reduced due to wirestem and clubrot. - see % plants lost.
- % of Mktb once-over harvest is the highest % harvested in one day.
| Variety       | Source | Days to Harvest | % Mobile | % Plants lost | % of Plants | Weight/Head (grams) | Yield | Head Size | Ext. color | Uniform | Shape/Head | Breakdown | Open Florets | Yellow eyes | Bracted | Loose | Hollow Stem | Height of Head set | Length of branches | % of Mable once harvest | Over harvest |
|---------------|--------|-----------------|----------|---------------|-------------|-------------------|-------|-----------|------------|---------|-----------|-----------|--------------|-------------|-----------|-------|-------|-------------|-----------------|-----------------|---------------------|--------------|
| Futura        | Asg    | 73              | 95       | 5             | 0           | 282               | 10.4  | 4.2       | 3.5        | 3.9     | 3.6       | 5.0       | 5.0          | 4.3         | 3.5       | 4.0   | 4.7         | m.h             | m.s                | 40                 |
| Exp.Hyb.1453  | Key    | 78              | 100      | 0             | 220         | 8.6               | 3.4   | 4.0       | 3.8        | 3.8     | 5.0       | 5.0       | 5.0          | 2.6         | 4.7       | 4.8   | 3.8         | m.s             | l.                 | 30                 |
| Dandy Early #32 Sak | 73  | 80              | 20       | 0             | 266         | 8.3               | 4.0   | 3.9       | 3.8        | 3.6     | 4.5       | 5.0       | 4.9          | 5.0         | 3.7       | 5.0   | 3.7         | m.h             | l.                 | 45                 |
| Tupper 430    | Asg    | 80              | 70       | 5             | 15          | 304               | 8.3   | 3.5       | 3.9        | 3.4     | 3.4       | 4.8       | 5.0          | 4.5         | 3.6       | 3.6   | 3.5         | s.              | s.                 | 30                 |
| Late Corona   | Tak    | 92              | 75       | 0             | 25          | 282               | 8.2   | 2.9       | 3.5        | 3.6     | 3.3       | 5.0       | 5.0          | 4.8         | 4.8       | 5.0   | 3.5         | s.              | s.                 | 30                 |
| Corvet        | Ro.B.  | 84              | 80       | 10            | 10          | 256               | 8.0   | 4.3       | 3.4        | 4.1     | 4.3       | 5.0       | 5.0          | 5.0         | 5.0       | 4.0   | 5.0         | d.              | s.                 | 31                 |
| Barca         | Ro.B.  | 80              | 100      | 0             | 10          | 205               | 8.0   | 4.1       | 3.4        | 4.0     | 3.9       | 5.0       | 5.0          | 5.0         | 5.0       | 5.0   | 5.0         | d.              | s.                 | 30                 |
| Duchess       | F.M.   | 90              | 90       | 5             | 5           | 214               | 7.5   | 3.8       | 4.0        | 3.8     | 4.0       | 5.0       | 5.0          | 4.8         | 4.5       | 4.6   | 4.0         | l.              | m.s                | 33                 |
| 234 Waltham   | Har    | 90              | 90       | 5             | 5           | 214               | 7.5   | 3.8       | 4.0        | 3.8     | 3.7       | 4.5       | 4.8          | 4.5         | 4.6       | 4.0   | 3.3         | l.              | m.s                | 33                 |
| l467A         | Key    | 78              | 95       | 0             | 5           | 203               | 7.5   | 3.9       | 4.0        | 3.8     | 3.8       | 5.0       | 5.0          | 5.0         | 5.0       | 3.8   | h.          | s.              | s.                 | 32                 |
| SC l          | S.Gr.  | 78              | 80       | 5             | 5           | 234               | 7.3   | 4.1       | 4.0        | 3.9     | 4.2       | 5.0       | 5.0          | 5.0         | 5.0       | 5.0   | 5.0         | d.              | s.                 | 44                 |
| XI 366        | Agw    | 78              | 95       | 0             | 5           | 197               | 7.3   | 4.2       | 3.9        | 3.6     | 3.4       | 5.0       | 5.0          | 5.0         | 4.9       | 3.5   | m.          | g.              | s.                 | 47                 |
| l466A         | Key    | 80              | 95       | 0             | 5           | 197               | 7.3   | 3.9       | 4.0        | 3.8     | 3.9       | 5.0       | 5.0          | 5.0         | 4.2       | 5.0   | 5.0         | s.              | s.                 | 26                 |
| l466B         | Key    | 80              | 70       | 0             | 30          | 257               | 7.0   | 4.1       | 4.0        | 4.0     | 3.9       | 5.0       | 5.0          | 5.0         | 5.0       | 5.0   | 5.0         | d.              | s.                 | 36                 |
| Spartan Early-K Key | 73  | 85              | 15       | 0             | 138         | 6.2               | 3.2   | 3.5       | 3.7        | 3.3     | 4.6       | 4.2       | 2.6          | 3.9         | 4.0       | 4.7   | l.          | g.              | l.                 | 70                 |
| Waltham 29    | Key    | 84              | 75       | 0             | 25          | 213               | 6.2   | 3.7       | 3.9        | 3.6     | 3.6       | 4.8       | 4.9          | 4.7         | 4.4       | 4.0   | l.          | 19              | l.                 | 19                 |
| 1464          | Key    | 84              | 70       | 0             | 30          | 218               | 6.0   | 3.8       | 3.8        | 3.7     | 4.1       | 5.0       | 5.0          | 4.7         | 4.3       | 5.0   | 5.0         | l.              | m.s                | 38                 |
| Express Corona Tak | 71  | 45              | 25       | 30            | 328         | 5.8               | 3.2   | 3.9       | 3.5        | 2.5     | 4.7       | 4.8       | 4.6          | 4.8         | 4.3       | 4.7   | l.          | 4.0             | s.                 | 57                 |
| Dandy #5      | Sak    | 73              | 65       | 0             | 35          | 219               | 5.6   | 3.7       | 4.0        | 4.1     | 3.9       | 5.0       | 4.8          | 4.5         | 5.0       | 5.0   | 2.8         | d.              | s.                 | 54                 |
| 1235 Hyb.E    | Har    | 76              | 75       | 15            | 10          | 185               | 5.4   | 3.3       | 4.0        | 4.0     | 3.7       | 5.0       | 4.0          | 4.0         | 4.4       | 4.4   | m.          | 38              | m.s                | 38                 |
| Emerald Corona Tak | 90  | 45              | 0        | 55            | 291         | 5.1               | 3.5   | 3.7       | 4.0        | 4.0     | 4.0       | 5.0       | 4.5          | 5.0         | 5.0       | 4.8   | 4.0         | l.              | m.s                | 33                 |
| 2327          | Key    | 78              | 75       | 25            | 0           | 157               | 4.6   | 3.4       | 3.9        | 3.7     | 3.8       | 4.4       | 3.5         | 3.0         | 4.7       | 3.0   | 4.4         | l.              | s.                 | 30                 |
| Blue Ocean    | Key    | 76              | 50       | 0             | 50          | 230               | 4.5   | 3.3       | 3.7        | 3.6     | 3.8       | 5.0       | 5.0          | 3.0         | 5.0       | 5.0   | 4.1         | d.              | s.                 | 40                 |
| Medium Late 145 Key | No yield on November 2nd. |

**Notes:**
- Height of Head set: H = high, M = medium, D = deep
- Length of branches: l = long, m = medium, s = short
### Cabbage Main Variety Trials - 1976

**Notes:**
The main trials consist of 10 cultivars each replicated 4 times. Direct sowed on June 15, plants were thinned to 12" in the row, while the rows were 23" apart. At maturity, one-half of each plot was harvested and judged. The other half was judged 4 weeks later at Harvest II. However, due to the early freeze-up many cultivars froze before this date was reached. No yield in Marketable tons/acre is given as the plant stand was reduced due to clubroot.

**Judging marks:**
- 5 = most desirable
- 1 = least desirable, with these clarifications:
  - **Shape of Head:** 5 = flat
  - 3 = globe
  - 1 = pointed
  - **Plant Habit:** 5 = sprawling
  - 4 = spreading
  - 1 = compact
  - **Color external:** 5 = very dark
  - 1 = very pale
  - **Color internal:** 5 = white
  - 1 = dark
  - **Core size:** 5 = small
  - 1 = large
  - **Savoying of leaf:** 5 = very crinkled
  - 1 = smooth

### Red Cabbage Main Variety Trial - 1976

<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Days to Harvest</th>
<th>Av. No. 1 Head (lbs)</th>
<th>% Mild at Harvest II</th>
<th>Uniformity</th>
<th>Height off Ground</th>
<th>Shape of Head</th>
<th>Plant Habit</th>
<th>Head Protection</th>
<th>Core Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Head</td>
<td>Sto.</td>
<td>111</td>
<td>3.9</td>
<td>90</td>
<td>3.8</td>
<td>2.3</td>
<td>3.5</td>
<td>3.0</td>
<td>3.6</td>
<td>2.9</td>
</tr>
<tr>
<td>Red Winter</td>
<td>Har.</td>
<td>129</td>
<td>3.0</td>
<td>frozen</td>
<td>3.7</td>
<td>4.5</td>
<td>2.9</td>
<td>3.5</td>
<td>3.5</td>
<td>3.5</td>
</tr>
<tr>
<td>Red Danish</td>
<td>Sto.</td>
<td>127</td>
<td>2.9</td>
<td>frozen</td>
<td>3.4</td>
<td>2.8</td>
<td>2.6</td>
<td>3.4</td>
<td>3.0</td>
<td>1.9</td>
</tr>
<tr>
<td>Mammoth Red Rock</td>
<td>Sto.</td>
<td>129</td>
<td>2.8</td>
<td>frozen</td>
<td>3.6</td>
<td>2.8</td>
<td>3.0</td>
<td>3.2</td>
<td>3.6</td>
<td>3.1</td>
</tr>
<tr>
<td>Red Danish</td>
<td>Har.</td>
<td>104</td>
<td>2.8</td>
<td>91</td>
<td>4.2</td>
<td>2.8</td>
<td>2.2</td>
<td>2.3</td>
<td>2.3</td>
<td>2.7</td>
</tr>
<tr>
<td>Kissendrup</td>
<td>Ch.E.</td>
<td>119</td>
<td>2.6</td>
<td>frozen</td>
<td>3.4</td>
<td>3.5</td>
<td>3.0</td>
<td>2.5</td>
<td>2.5</td>
<td>3.7</td>
</tr>
<tr>
<td>Meteor</td>
<td>Sto.</td>
<td>89</td>
<td>2.5</td>
<td>95</td>
<td>3.8</td>
<td>2.8</td>
<td>2.7</td>
<td>2.0</td>
<td>3.8</td>
<td>3.7</td>
</tr>
<tr>
<td>Red Acre</td>
<td>Sto.</td>
<td>117</td>
<td>2.3</td>
<td>93</td>
<td>3.7</td>
<td>2.3</td>
<td>2.5</td>
<td>2.8</td>
<td>3.3</td>
<td>2.8</td>
</tr>
<tr>
<td>Roka 178</td>
<td>Ch.E.</td>
<td>129</td>
<td>2.3</td>
<td>frozen</td>
<td>3.3</td>
<td>4.8</td>
<td>2.4</td>
<td>3.3</td>
<td>3.4</td>
<td>2.4</td>
</tr>
<tr>
<td>Storage Red</td>
<td>Sto.</td>
<td>140</td>
<td>1.9</td>
<td>frozen</td>
<td>3.7</td>
<td>4.3</td>
<td>2.3</td>
<td>4.0</td>
<td>4.3</td>
<td>3.7</td>
</tr>
</tbody>
</table>
# RED CABBAGE ADAPTATION TRIAL - 1976

<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Days to Harvest</th>
<th>Av. Weight (head)</th>
<th>% Marketable at Harvest II</th>
<th>Uniformity</th>
<th>Heightoff Ground</th>
<th>Shape of Head</th>
<th>Plant Habit</th>
<th>Head Protection</th>
<th>Core Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Head Hyb.</td>
<td>Key</td>
<td>119</td>
<td>3.6</td>
<td>frozen</td>
<td>3.7</td>
<td>3.0</td>
<td>4.3</td>
<td>3.0</td>
<td>3.8</td>
<td>2.7</td>
</tr>
<tr>
<td>Red Danish YR</td>
<td>Reed</td>
<td>119</td>
<td>3.6</td>
<td>&quot;</td>
<td>3.0</td>
<td>4.0</td>
<td>3.0</td>
<td>2.7</td>
<td>2.3</td>
<td></td>
</tr>
<tr>
<td>Ex.Hyb. 7234</td>
<td>Key</td>
<td>104</td>
<td>3.6</td>
<td>86</td>
<td>4.0</td>
<td>2.0</td>
<td>4.0</td>
<td>2.0</td>
<td>3.7</td>
<td>2.3</td>
</tr>
<tr>
<td>Langedijker</td>
<td>VdB</td>
<td>129</td>
<td>3.4</td>
<td>frozen</td>
<td>3.0</td>
<td>3.0</td>
<td>2.0</td>
<td>4.0</td>
<td>3.3</td>
<td>3.7</td>
</tr>
<tr>
<td>Kissingrupe</td>
<td>OhE</td>
<td>119</td>
<td>2.9</td>
<td>&quot;</td>
<td>3.0</td>
<td>3.0</td>
<td>2.0</td>
<td>2.0</td>
<td>3.7</td>
<td></td>
</tr>
<tr>
<td>Baby (R) Early</td>
<td>S.G.</td>
<td>104</td>
<td>2.9</td>
<td>90</td>
<td>4.0</td>
<td>2.0</td>
<td>3.0</td>
<td>3.0</td>
<td>3.3</td>
<td></td>
</tr>
<tr>
<td>Volga</td>
<td>Bee</td>
<td>129</td>
<td>2.9</td>
<td>frozen</td>
<td>3.3</td>
<td>3.0</td>
<td>3.0</td>
<td>3.0</td>
<td>3.0</td>
<td>3.3</td>
</tr>
<tr>
<td>Red Acre</td>
<td>Sto</td>
<td>87</td>
<td>2.8</td>
<td>100</td>
<td>4.3</td>
<td>3.0</td>
<td>2.0</td>
<td>3.0</td>
<td>4.3</td>
<td>4.3</td>
</tr>
<tr>
<td>Fruka</td>
<td>Bee</td>
<td>91</td>
<td>2.8</td>
<td>0</td>
<td>3.3</td>
<td>3.0</td>
<td>2.0</td>
<td>3.3</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Amager D159</td>
<td>Oh.E</td>
<td>129</td>
<td>2.6</td>
<td>frozen</td>
<td>3.7</td>
<td>3.0</td>
<td>3.0</td>
<td>3.0</td>
<td>3.0</td>
<td>3.0</td>
</tr>
<tr>
<td>Baby(R)Red Late</td>
<td>S.G.</td>
<td>119</td>
<td>2.4</td>
<td>&quot;</td>
<td>4.0</td>
<td>3.0</td>
<td>2.0</td>
<td>3.0</td>
<td>2.7</td>
<td>4.0</td>
</tr>
<tr>
<td>Norma</td>
<td>Bee</td>
<td>93</td>
<td>2.4</td>
<td>92</td>
<td>4.0</td>
<td>1.0</td>
<td>2.0</td>
<td>3.0</td>
<td>4.0</td>
<td>4.0</td>
</tr>
<tr>
<td>Langedijker EARLY</td>
<td>R.S.</td>
<td>73</td>
<td>2.4</td>
<td>80</td>
<td>3.0</td>
<td>2.0</td>
<td>2.0</td>
<td>3.0</td>
<td>2.0</td>
<td>2.3</td>
</tr>
<tr>
<td>Ruby Ball</td>
<td>Her.</td>
<td>97</td>
<td>2.3</td>
<td>93</td>
<td>4.0</td>
<td>2.0</td>
<td>3.0</td>
<td>3.0</td>
<td>3.3</td>
<td>4.0</td>
</tr>
<tr>
<td>Kwanta</td>
<td>Bee</td>
<td>140</td>
<td>1.6</td>
<td>frozen</td>
<td>3.0</td>
<td>4.0</td>
<td>3.0</td>
<td>3.0</td>
<td>3.3</td>
<td>4.0</td>
</tr>
<tr>
<td>Extasa</td>
<td>Bee</td>
<td>140</td>
<td>1.4</td>
<td>&quot;</td>
<td>3.7</td>
<td>4.0</td>
<td>2.3</td>
<td>3.0</td>
<td>4.0</td>
<td>3.3</td>
</tr>
</tbody>
</table>

Note: % Marketable at Harvest II: All cultivars not judged for Harvest II before November 2nd froze at that date.
### SAVOY CABBAGE MAIN VARIETY TRIAL - 1976

| Variety         | Source | Days to Harvest | Av. Wt./Head (lbs) | % mkb. at Harvest II | Height off Ground | Shape of Head | Plant Habit | Ext. Color | Savoying of Leaf | Head Protection | Core Size |
|-----------------|--------|-----------------|--------------------|----------------------|------------------|---------------|-------------|------------|------------|-----------------|----------------|----------|
| Savoy King      | Sak    | 128             | 4.8                | 61                   | 3.0              | 4.8           | 3.5         | 3.0        | 2.0                  | 3.1             | 3.2      |
| Savoy King      | Sto    | 91              | 4.0                | 74                   | 2.5              | 4.8           | 4.0         | 2.0        | 2.0                  | 3.0             | 3.5      |
| Savoy Ace       | Sto    | 93              | 3.4                | 45                   | 2.5              | 2.6           | 3.0         | 3.0        | 3.5                  | 3.2             | 3.4      |
| * Chieftain Savoy | Sto  | 119             | 3.4                | 16                   | 3.0              | 3.0           | 3.0         | 3.0        | 3.0                  | 2.0             | 1.5      |
| * Herba         | Bee    | 116             | 2.5                | unknown              | 3.8              | 3.6           | 2.8         | 5.0        | 3.5                  | 3.5             | 2.8      |
| * Gelba         | Bee    | 122             | 2.4                | "                    | 4.8              | 2.4           | 2.0         | 1.0        | 2.3                  | 3.5             | 2.8      |
| * Groenland Hammer | Bro  | 127             | 2.4                | "                    | 2.8              | 3.0           | 3.0         | 5.0        | 3.8                  | 3.8             | 3.7      |
| * Wirosa        | Bee    | 116             | 2.1                | "                    | 2.5              | 3.0           | 3.5         | 5.0        | 3.3                  | 3.8             | 2.9      |
| * Langedijker Med.Late | VdB | 109             | 1.8                | 82                   | 2.5              | 5.0           | 3.0         | 3.0        | 3.3                  | 3.8             | 2.9      |
| * Langedijker Bewaar | Jong| 115             | 1.5                | 71                   | 3.0              | 2.0           | 2.3         | 1.0        | 2.0                  | 2.8             | 3.1      |

**Notes:**
- * Seeders, loose, only 30% marketable at Harvest I
- ** Small, underdeveloped plants
- *** Small, underdeveloped plants

For explanation of marks, see Red Cabbage Main Variety Trial.
### SAVOY CABBAGE ADAPTATION TRIAL - 1976

<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Days to Harvest</th>
<th>Av. Weight/Head (lbs)</th>
<th>% Mable at Harvest II</th>
<th>Uniformity</th>
<th>Height off Ground</th>
<th>Shape of Head</th>
<th>Plant Habit</th>
<th>Head Protection</th>
<th>Core SliNo</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perfection Drumhead Asg</td>
<td>BEJO</td>
<td>115</td>
<td>3.6 frozen</td>
<td>4.0</td>
<td>2.0</td>
<td>4.0</td>
<td>3.0</td>
<td>2.0</td>
<td>3.0</td>
<td>2.0</td>
</tr>
<tr>
<td>Havrosa F.1</td>
<td>BEJO</td>
<td>115</td>
<td>3.4 &quot;</td>
<td>3.0</td>
<td>2.0</td>
<td>2.0</td>
<td>3.0</td>
<td>2.0</td>
<td>3.0</td>
<td>2.0</td>
</tr>
<tr>
<td>Langedijker,</td>
<td>VdB</td>
<td>115</td>
<td>3.1 &quot;</td>
<td>4.0</td>
<td>4.0</td>
<td>2.7</td>
<td>4.0</td>
<td>2.0</td>
<td>4.0</td>
<td>4.0</td>
</tr>
<tr>
<td>Orig. Late Extra</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stam 64</td>
<td>Bee</td>
<td>87</td>
<td>3.1 90</td>
<td>3.7</td>
<td>2.0</td>
<td>2.7</td>
<td>3.0</td>
<td>3.7</td>
<td>4.0</td>
<td>4.0</td>
</tr>
<tr>
<td>Celsa</td>
<td>Bee</td>
<td>140</td>
<td>2.9 frozen</td>
<td>4.3</td>
<td>3.0</td>
<td>2.0</td>
<td>3.0</td>
<td>3.3</td>
<td>3.0</td>
<td>3.0</td>
</tr>
<tr>
<td>Hamasa</td>
<td>Bee</td>
<td>115</td>
<td>2.8 &quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geelgroene Herfst 63</td>
<td>Bee</td>
<td>104</td>
<td>2.6 84</td>
<td>3.0</td>
<td>3.0</td>
<td>1.0</td>
<td>2.0</td>
<td>3.0</td>
<td>4.0</td>
<td>4.0</td>
</tr>
<tr>
<td>Langedijker,</td>
<td>R.S.</td>
<td>115</td>
<td>2.4 frozen</td>
<td>4.0</td>
<td>2.0</td>
<td>2.7</td>
<td>3.0</td>
<td>2.3</td>
<td>4.3</td>
<td>4.3</td>
</tr>
<tr>
<td>Late Winter</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Novusa F.1</td>
<td>BEJO</td>
<td>113</td>
<td>2.3 80</td>
<td>4.0</td>
<td>2.0</td>
<td>4.0</td>
<td>3.0</td>
<td>2.0</td>
<td>3.7</td>
<td>3.7</td>
</tr>
<tr>
<td>Hegro</td>
<td>R.S.</td>
<td>104</td>
<td>2.1 60</td>
<td>4.3</td>
<td>1.0</td>
<td>4.0</td>
<td>1.0</td>
<td>4.0</td>
<td>2.0</td>
<td>2.0</td>
</tr>
<tr>
<td>Yslanda</td>
<td>Bee</td>
<td>129</td>
<td>2.1 frozen</td>
<td>2.0</td>
<td>2.0</td>
<td>3.0</td>
<td>2.0</td>
<td>4.0</td>
<td>3.7</td>
<td>3.7</td>
</tr>
<tr>
<td>Ice Queen</td>
<td>S.G.</td>
<td>104</td>
<td>2.1 76</td>
<td>4.0</td>
<td>3.0</td>
<td>1.0</td>
<td>3.0</td>
<td>4.0</td>
<td>4.0</td>
<td>3.3</td>
</tr>
<tr>
<td>Winter King</td>
<td>R.S.</td>
<td>129</td>
<td>2.1 frozen</td>
<td>3.3</td>
<td>3.0</td>
<td>3.0</td>
<td>4.0</td>
<td>3.3</td>
<td>2.7</td>
<td></td>
</tr>
<tr>
<td>U-Neeck</td>
<td>Agw</td>
<td>78</td>
<td>2.0 60</td>
<td>4.0</td>
<td>3.0</td>
<td>1.0</td>
<td>1.0</td>
<td>4.0</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Ostara (R)</td>
<td>S.G.</td>
<td>140</td>
<td>1.9 frozen</td>
<td>3.0</td>
<td>3.0</td>
<td>4.0</td>
<td>3.0</td>
<td>3.7</td>
<td>4.0</td>
<td></td>
</tr>
<tr>
<td>Hiversa F.1</td>
<td>BEJO</td>
<td>115</td>
<td>1.7 frozen</td>
<td>3.0</td>
<td>4.0</td>
<td>3.0</td>
<td>5.0</td>
<td>3.7</td>
<td>4.0</td>
<td></td>
</tr>
<tr>
<td>Lagro</td>
<td>R.S.</td>
<td>115</td>
<td>1.4 frozen</td>
<td>4.3</td>
<td>3.0</td>
<td>2.0</td>
<td>3.0</td>
<td>3.3</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Algra</td>
<td>Bee</td>
<td>71</td>
<td>1.0 &quot;</td>
<td>2.0</td>
<td>4.0</td>
<td>2.0</td>
<td>1.0</td>
<td>4.0</td>
<td>2.0</td>
<td></td>
</tr>
</tbody>
</table>
### CARROT MAIN VARIETY TRIAL - 1976 - PACKAGING TYPES

**THINNED 18/in² max**

Mostly the longer types are slender.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Mkbl% B/A %</th>
<th>Type of Cells</th>
<th>Stand/foot</th>
<th>Type Tips</th>
<th>Ave. Length (inches)</th>
<th>Ave. Width (inches)</th>
<th>Uniformity</th>
<th>Resis. to Greens.</th>
<th>Smoothness</th>
<th>Color</th>
<th>Overall Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grenadier</td>
<td>Har</td>
<td>1287 86</td>
<td>FS</td>
<td>9 ID</td>
<td>P</td>
<td>8.0 1.3</td>
<td>3.7 4.1</td>
<td>4.0 4.0</td>
<td>3.8</td>
<td>3.6 3.9</td>
<td>4.1</td>
<td>3.87</td>
</tr>
<tr>
<td>(5931x1302)5986</td>
<td>MSU</td>
<td>1373 84</td>
<td>FS</td>
<td>12 DI</td>
<td>P</td>
<td>7.9 1.3</td>
<td>4.1 4.0</td>
<td>3.9 3.9</td>
<td>3.9</td>
<td>3.9 3.9</td>
<td>4.1</td>
<td>3.94</td>
</tr>
<tr>
<td>Gold Pak 28</td>
<td>Sto</td>
<td>1093 89</td>
<td>F</td>
<td>13 GP</td>
<td>P</td>
<td>7.7 1.3</td>
<td>3.7 3.8</td>
<td>3.8 3.9</td>
<td>3.8</td>
<td>3.5 3.6</td>
<td>4.0</td>
<td>3.77</td>
</tr>
<tr>
<td>Spartan Delite</td>
<td>Key</td>
<td>1321 84</td>
<td>FS</td>
<td>13 ID</td>
<td>P</td>
<td>7.6 1.3</td>
<td>3.9 4.0</td>
<td>4.0 3.7</td>
<td>4.0</td>
<td>3.4 4.1</td>
<td>4.1</td>
<td>3.90</td>
</tr>
<tr>
<td>Long Imp. 58</td>
<td>Asg</td>
<td>1050 87</td>
<td>F</td>
<td>13 L</td>
<td>P</td>
<td>7.6 1.3</td>
<td>3.9 3.5</td>
<td>3.9 3.7</td>
<td>3.7</td>
<td>3.3 3.9</td>
<td>4.0</td>
<td>3.83</td>
</tr>
<tr>
<td>Spartan Delux</td>
<td>MSU</td>
<td>1491 87</td>
<td>F</td>
<td>17 DI</td>
<td>P</td>
<td>7.4 1.3</td>
<td>3.8 3.6</td>
<td>3.8 3.9</td>
<td>3.4</td>
<td>3.9 4.0</td>
<td>4.2</td>
<td>3.81</td>
</tr>
<tr>
<td>Trophy</td>
<td>Har</td>
<td>1473 90</td>
<td>F</td>
<td>15 DI</td>
<td>P</td>
<td>7.4 1.3</td>
<td>3.8 3.8</td>
<td>3.8 3.8</td>
<td>3.5</td>
<td>3.5 3.9</td>
<td>4.1</td>
<td>3.76</td>
</tr>
<tr>
<td>Spartan Fancy</td>
<td>Key</td>
<td>1463 88</td>
<td>F</td>
<td>13 DI</td>
<td>P</td>
<td>7.4 1.2</td>
<td>3.8 3.9</td>
<td>3.9 3.6</td>
<td>3.9</td>
<td>3.5 4.2</td>
<td>4.2</td>
<td>3.87</td>
</tr>
<tr>
<td>Spartan Sweet</td>
<td>Cro</td>
<td>1344 87</td>
<td>FFS</td>
<td>13 DI</td>
<td>P</td>
<td>7.3 1.4</td>
<td>3.8 3.8</td>
<td>3.8 3.8</td>
<td>3.6</td>
<td>3.6 3.8</td>
<td>4.0</td>
<td>3.77</td>
</tr>
<tr>
<td>Sp. Sweet A</td>
<td>Key</td>
<td>1515 90</td>
<td>F</td>
<td>16 DI</td>
<td>P</td>
<td>7.0 1.4</td>
<td>3.9 3.8</td>
<td>4.0 3.9</td>
<td>3.7</td>
<td>3.5 4.0</td>
<td>4.1</td>
<td>3.86</td>
</tr>
<tr>
<td>Hipak Elite</td>
<td>Har</td>
<td>1420 90</td>
<td>F</td>
<td>13 DN</td>
<td>B</td>
<td>7.0 1.4</td>
<td>3.8 4.0</td>
<td>3.4 3.4</td>
<td>3.8</td>
<td>3.2 3.9</td>
<td>4.0</td>
<td>3.69</td>
</tr>
<tr>
<td>Dominator</td>
<td>Key</td>
<td>1297 85</td>
<td>FC</td>
<td>14 DI</td>
<td>P</td>
<td>7.0 1.3</td>
<td>3.6 3.8</td>
<td>3.8 3.8</td>
<td>3.6</td>
<td>3.3 3.9</td>
<td>4.1</td>
<td>3.75</td>
</tr>
<tr>
<td>Hipak</td>
<td>Har</td>
<td>1192 88</td>
<td>FS</td>
<td>12 DN</td>
<td>B</td>
<td>7.0 1.4</td>
<td>3.7 3.9</td>
<td>3.3 3.5</td>
<td>3.7</td>
<td>3.2 3.9</td>
<td>4.0</td>
<td>3.66</td>
</tr>
<tr>
<td>(5986x1383)1302</td>
<td>MSU</td>
<td>1506 86</td>
<td>FC</td>
<td>14 DI</td>
<td>P</td>
<td>6.9 1.4</td>
<td>3.8 3.7</td>
<td>3.7 3.9</td>
<td>3.7</td>
<td>3.7 3.9</td>
<td>4.2</td>
<td>3.78</td>
</tr>
<tr>
<td>Klondike Nantes</td>
<td>Sto</td>
<td>1401 83</td>
<td>FS</td>
<td>15 ND</td>
<td>B</td>
<td>6.9 1.3</td>
<td>3.9 3.9</td>
<td>3.7 3.9</td>
<td>3.7</td>
<td>3.7 3.9</td>
<td>4.2</td>
<td>3.78</td>
</tr>
<tr>
<td>Spartan North</td>
<td>Cro</td>
<td>1235 81</td>
<td>CFS</td>
<td>16 DI</td>
<td>P</td>
<td>6.6 1.3</td>
<td>3.4 3.2</td>
<td>3.9 3.9</td>
<td>3.3</td>
<td>3.6 3.8</td>
<td>4.0</td>
<td>3.62</td>
</tr>
<tr>
<td>Pioneer</td>
<td>Har</td>
<td>1411 87</td>
<td>SF</td>
<td>12 N</td>
<td>B</td>
<td>6.6 1.4</td>
<td>3.8 3.7</td>
<td>3.2 3.1</td>
<td>3.8</td>
<td>3.0 3.8</td>
<td>4.1</td>
<td>3.57</td>
</tr>
<tr>
<td>Spartan Premium</td>
<td>Key</td>
<td>1724 88</td>
<td>FS</td>
<td>17 DN</td>
<td>B</td>
<td>6.5 1.4</td>
<td>3.8 3.6</td>
<td>3.5 3.5</td>
<td>3.2</td>
<td>3.8 3.8</td>
<td>4.0</td>
<td>3.63</td>
</tr>
<tr>
<td>Spartan Winner</td>
<td>Key</td>
<td>1544 87</td>
<td>SF</td>
<td>14 DN</td>
<td>B</td>
<td>6.5 1.4</td>
<td>3.6 3.7</td>
<td>3.6 3.6</td>
<td>3.6</td>
<td>3.3 3.9</td>
<td>4.1</td>
<td>3.64</td>
</tr>
<tr>
<td>Spartan Classic</td>
<td>Key</td>
<td>1620 90</td>
<td>S</td>
<td>14 DN</td>
<td>B</td>
<td>6.0 1.5</td>
<td>3.7 3.7</td>
<td>3.4 3.7</td>
<td>3.8</td>
<td>3.4 3.9</td>
<td>4.0</td>
<td>3.70</td>
</tr>
</tbody>
</table>

**Notes:**
Twenty varieties seeded May 18 with a 2" split shoe in plots of 3 rows, 12" feet long, 17 inches between rows, replicated 4 times, thinned to maximum 18 plants/foot.

Type of Cells: F = forked, C = crooked, S = split

Tips: P = Pointed, B = Blunt

Type: I = Imperator, N = Nantes, D = Danvers, GP = Gold Pak, C = Chantenay

Score: 1 = least desirable, 5 = excellent
CARROT MAIN VARIETY TRIAL - 1976 - PACKAGING TYPES CONTINUED:

Notes:
1st Harvest Date: Sept. 2, 1976
2. Klondike Nantes 1150 bu/acre 5. Hipak 1026 bu/acre
3. Spartan Delite 1093 bu/acre

2nd Harvest Date: Oct. 13, 1976
Highest ave. marketable yield: (all four replications)
1. Spartan Premium 1724 bu/acre 6.5" long x 1.4" diam.
2. Spartan Classic 1620 bu/acre 6.0" x 1.5"
3. Spartan Winner 1544 bu/acre 6.5" x 1.4"
4. Spartan Sweet A 1515 bu/acre 7.0" x 1.4"
5. (5986x1383) 1302 1506 bu/acre 6.9" x 1.4"

Best length and width:
1. Grenadier 8.0" x 1.3" 1287 bu/acre
2. (5931x1302) 5986 7.9" x 1.3" 1373 bu/acre
3. Gold Pak 28 7.7" x 1.3" 1093 bu/acre
4. Spartan Delite 7.6" x 1.3" 1321 bu/acre
5. Long Imp. 58 7.6" x 1.3" 1050 bu/acre

Highest Score:
(Spanish x 1302) 5986 Score: 3.94 Yield: 1373 Length 7.9 x 1.3
Spartan Delite 3.90 1321 7.6 x 1.3
Grenadier 3.87 1287 8.0 x 1.3
Spartan Fancy 3.87 1463 7.4 x 1.2
Spartan Sweet A 3.86 1515 7.0 x 1.4

Lowest % Culls:
1. Hipak Elite 10%
2. Trophy 10%
3. Spartan Sw. A 10%
4. Gold Pak 28 11%

Combining appearance, length, score and yield, Grenadier, Spartan Delite, Spartan Fancy, Trophy, Hipak Elite, Spartan Sweet A and Gold Pak 28 did extremely well.

The unnamed MSU (5931 x 1302) 5986 produced also an excellent quality carrot.
### Carrot Main Variety Trial 1976 - Processing Types

<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Yield T/A</th>
<th>% Mdb.</th>
<th>Culls</th>
<th>Stand/ft.</th>
<th>Type</th>
<th>Length</th>
<th>Width</th>
<th>Uniform</th>
<th>Smoothness</th>
<th>Crown</th>
<th>Core Size</th>
<th>Int.</th>
<th>Ext.</th>
<th>Shoulder</th>
<th>Core</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Royal Danvers</td>
<td>Agw.</td>
<td>43.8</td>
<td>92 **</td>
<td>6.4</td>
<td>D</td>
<td>B</td>
<td>8.2</td>
<td>3.2</td>
<td>3.8</td>
<td>3.8</td>
<td>3.7</td>
<td>3.8</td>
<td>3.6</td>
<td>4.1</td>
<td>3.7</td>
<td>3.73</td>
<td></td>
</tr>
<tr>
<td>Spartan Bonus</td>
<td>Des.</td>
<td>43.8</td>
<td>92 **</td>
<td>7.5</td>
<td>D</td>
<td>B</td>
<td>7.2</td>
<td>3.8</td>
<td>3.6</td>
<td>3.8</td>
<td>3.8</td>
<td>3.8</td>
<td>3.7</td>
<td>3.9</td>
<td>3.7</td>
<td>3.77</td>
<td></td>
</tr>
<tr>
<td>(6000x9541)5988</td>
<td>MSU</td>
<td>42.3</td>
<td>89 **</td>
<td>8.9</td>
<td>DN</td>
<td>B</td>
<td>7.1</td>
<td>3.9</td>
<td>3.3</td>
<td>3.6</td>
<td>4.0</td>
<td>3.3</td>
<td>3.6</td>
<td>3.6</td>
<td>3.6</td>
<td>3.60</td>
<td></td>
</tr>
<tr>
<td>(5931x9541)5988</td>
<td>MSU</td>
<td>42.2</td>
<td>86 *</td>
<td>7.1</td>
<td>DN</td>
<td>B</td>
<td>7.1</td>
<td>3.9</td>
<td>3.8</td>
<td>3.6</td>
<td>3.6</td>
<td>3.9</td>
<td>3.6</td>
<td>3.8</td>
<td>3.7</td>
<td>3.76</td>
<td></td>
</tr>
<tr>
<td>Gold King (25)</td>
<td>N.K.</td>
<td>41.8</td>
<td>92 **</td>
<td>7.1</td>
<td>D</td>
<td>B</td>
<td>6.2</td>
<td>3.9</td>
<td>3.3</td>
<td>3.3</td>
<td>3.9</td>
<td>3.9</td>
<td>3.4</td>
<td>3.9</td>
<td>3.5</td>
<td>3.59</td>
<td></td>
</tr>
<tr>
<td>Spartan Premium</td>
<td>Cro.</td>
<td>41.2</td>
<td>86 *</td>
<td>7.8</td>
<td>DN</td>
<td>B</td>
<td>8.1</td>
<td>3.9</td>
<td>3.9</td>
<td>3.9</td>
<td>4.0</td>
<td>3.4</td>
<td>3.4</td>
<td>3.8</td>
<td>3.7</td>
<td>3.73</td>
<td></td>
</tr>
<tr>
<td>Exp. 456</td>
<td>N.K.</td>
<td>41.1</td>
<td>92 *</td>
<td>6.8</td>
<td>DI</td>
<td>P</td>
<td>8.1</td>
<td>3.9</td>
<td>3.3</td>
<td>3.3</td>
<td>3.7</td>
<td>3.8</td>
<td>3.3</td>
<td>3.8</td>
<td>4.1</td>
<td>3.75</td>
<td></td>
</tr>
<tr>
<td>(9541x5986)5988</td>
<td>MSU</td>
<td>40.8</td>
<td>91 **</td>
<td>7.8</td>
<td>DN</td>
<td>B</td>
<td>8.1</td>
<td>3.9</td>
<td>3.3</td>
<td>3.3</td>
<td>3.8</td>
<td>3.2</td>
<td>3.1</td>
<td>3.9</td>
<td>3.4</td>
<td>3.47</td>
<td></td>
</tr>
<tr>
<td>Spartan Classic</td>
<td>Cro.</td>
<td>40.5</td>
<td>89 **</td>
<td>6.0</td>
<td>DN</td>
<td>B</td>
<td>8.0</td>
<td>4.1</td>
<td>4.1</td>
<td>4.1</td>
<td>3.8</td>
<td>3.9</td>
<td>3.9</td>
<td>3.9</td>
<td>3.7</td>
<td>3.94</td>
<td></td>
</tr>
<tr>
<td>Spartan Deluxe</td>
<td>Cro.</td>
<td>39.0</td>
<td>83 *</td>
<td>6.5</td>
<td>ID</td>
<td>P</td>
<td>9.1</td>
<td>3.9</td>
<td>3.6</td>
<td>4.0</td>
<td>3.8</td>
<td>3.9</td>
<td>4.0</td>
<td>4.1</td>
<td>4.1</td>
<td>3.90</td>
<td></td>
</tr>
<tr>
<td>Spartan Winner</td>
<td>Cro.</td>
<td>38.7</td>
<td>85 **</td>
<td>6.8</td>
<td>D</td>
<td>B</td>
<td>8.1</td>
<td>3.9</td>
<td>3.7</td>
<td>3.4</td>
<td>4.0</td>
<td>3.7</td>
<td>3.6</td>
<td>3.9</td>
<td>3.7</td>
<td>3.70</td>
<td></td>
</tr>
<tr>
<td>Spartan Bonus</td>
<td>Des.</td>
<td>38.5</td>
<td>96 *</td>
<td>7.1</td>
<td>DN</td>
<td>B</td>
<td>7.2</td>
<td>3.8</td>
<td>3.3</td>
<td>3.8</td>
<td>4.0</td>
<td>3.7</td>
<td>3.7</td>
<td>3.8</td>
<td>4.0</td>
<td>3.80</td>
<td></td>
</tr>
<tr>
<td>(5931x1383)5986</td>
<td>MSU</td>
<td>37.3</td>
<td>88 **</td>
<td>7.1</td>
<td>DI</td>
<td>P</td>
<td>9.1</td>
<td>3.9</td>
<td>3.9</td>
<td>3.7</td>
<td>4.1</td>
<td>3.6</td>
<td>3.8</td>
<td>3.8</td>
<td>3.8</td>
<td>3.83</td>
<td></td>
</tr>
<tr>
<td>(5931x1302)5988</td>
<td>MSU</td>
<td>36.9</td>
<td>77 *</td>
<td>8.4</td>
<td>DN</td>
<td>B</td>
<td>7.1</td>
<td>4.0</td>
<td>3.6</td>
<td>3.7</td>
<td>4.1</td>
<td>3.7</td>
<td>3.7</td>
<td>3.7</td>
<td>3.7</td>
<td>3.78</td>
<td></td>
</tr>
<tr>
<td>(872x9541)5988</td>
<td>MSU</td>
<td>34.0</td>
<td>81 *</td>
<td>5.8</td>
<td>B</td>
<td>B</td>
<td>7.2</td>
<td>3.9</td>
<td>3.9</td>
<td>3.4</td>
<td>3.9</td>
<td>3.7</td>
<td>3.7</td>
<td>3.7</td>
<td>3.7</td>
<td>3.62</td>
<td></td>
</tr>
<tr>
<td>Danvers 126</td>
<td>Key.</td>
<td>33.6</td>
<td>89 ***</td>
<td>6.6</td>
<td>D</td>
<td>P</td>
<td>6.2</td>
<td>3.7</td>
<td>3.3</td>
<td>4.1</td>
<td>3.8</td>
<td>3.7</td>
<td>4.0</td>
<td>4.2</td>
<td>4.0</td>
<td>3.83</td>
<td></td>
</tr>
<tr>
<td>Chantenay 403</td>
<td>Key.</td>
<td>31.1</td>
<td>85 *</td>
<td>5.1</td>
<td>CD</td>
<td>B</td>
<td>6.2</td>
<td>4.0</td>
<td>3.2</td>
<td>3.7</td>
<td>2.9</td>
<td>2.6</td>
<td>3.2</td>
<td>2.8</td>
<td>3.1</td>
<td>3.17</td>
<td></td>
</tr>
<tr>
<td>Hyb. Gold (26)</td>
<td>Cro.</td>
<td>26.4</td>
<td>82 **</td>
<td>5.6</td>
<td>B</td>
<td>D</td>
<td>6.1</td>
<td>3.8</td>
<td>3.6</td>
<td>3.7</td>
<td>3.7</td>
<td>3.4</td>
<td>3.7</td>
<td>3.9</td>
<td>3.7</td>
<td>3.70</td>
<td></td>
</tr>
<tr>
<td>Chantz.Red Core</td>
<td>Key.</td>
<td>24.5</td>
<td>77 **</td>
<td>3.9</td>
<td>CD</td>
<td>B</td>
<td>6.1</td>
<td>3.9</td>
<td>3.2</td>
<td>3.6</td>
<td>3.0</td>
<td>3.6</td>
<td>3.0</td>
<td>3.6</td>
<td>3.3</td>
<td>3.36</td>
<td></td>
</tr>
<tr>
<td>Danvers Pride</td>
<td>Mia.</td>
<td>24.2</td>
<td>88 *</td>
<td>7.8</td>
<td>D</td>
<td>P</td>
<td>6.1</td>
<td>3.7</td>
<td>2.8</td>
<td>4.0</td>
<td>4.0</td>
<td>4.0</td>
<td>4.0</td>
<td>4.2</td>
<td>4.0</td>
<td>3.81</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- 20 varieties were seeded on 18 May 1976 in plots of three rows, 12 ft. long, spacing 17 inches per row and replicated 3 times, thinned to approximately 9 plants/foot. Harvest Date: October 14.
- **Key:** Score: 1 = least desirable, 5 = excellent. **Tips:** P = pointed, B = Blunt.
- **Type:** I = imperator, N = nantes, D = danvers, GP = gold pak, C = chantenay, LN = long nantes.
- **Culls:** U = undersize, F = forks, S = splits, C = crooked.

The best color was found in: Danvers Pride, but low yield, not smooth. Spartan Classic, excellent; Spartan Deluxe; Spartan Bonus; (5931 x 1302)5988; Royal Danvers; Danvers 126.
1975/76 CARROT VARIETY STORAGE TRIAL

20 varieties replicated 3 times were kept in refrigerated storage from October 1975 to June 30, 1976 at temperatures between +1°C and +5°C.

Highest % Marketable at June 30th, 1976:

<table>
<thead>
<tr>
<th>Variety</th>
<th>Royal Danvers</th>
<th>Hipak</th>
<th>Klondike Nantes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>54.5%</td>
<td>50.8%</td>
<td>50.5%</td>
</tr>
</tbody>
</table>

Variety    Rating

Grenadier  3  4
310 Hipak   4+ 4-
318 Pioneer 3+ 3+-
Spartan Delite 3- 4
Spartan Fancy 1 3
Spartan Winner 4- 3
311 Hipak Elite 2-1- 4+
Spartan Classic 3+ 3
Spartan Premium 4 3+
301 Trophy 4- 4

Variety    Rating

Klondike Nantes  4+ 4-
Canuck  2- 4-
Dominator Hyb.  3+ 4+
Gold Pak 28  3- 5-
Imp. Lng 58  4-
Spartan Sweet  3+
323 Scarlet Nantes  2+ 4-
Danvers 126  4- 4-
Royal Danvers  5- 4-
Spartan Bonus 4- 4-

Nantes types are fair keepers
Gold Pak = good
### SUMMARY OF CARROT VARIETIES 1969-1976

LTA Long Term Averages of some of the available carrot varieties tested in our trials.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Spartan Classic</td>
<td>M.S.U.</td>
<td>4</td>
<td>6.0 1.5</td>
<td>1542</td>
<td>1620</td>
<td>87</td>
<td>90</td>
<td>3.8</td>
</tr>
<tr>
<td>Spartan Premium</td>
<td>M.S.U.</td>
<td>4</td>
<td>7.3 1.4</td>
<td>1527</td>
<td>1724</td>
<td>87</td>
<td>88</td>
<td>3.8</td>
</tr>
<tr>
<td>Spartan Winner</td>
<td>M.S.U.</td>
<td>4</td>
<td>7.2 1.4</td>
<td>1368</td>
<td>1544</td>
<td>82</td>
<td>87</td>
<td>3.8</td>
</tr>
<tr>
<td>Spartan Sweet</td>
<td>M.S.U.</td>
<td>8</td>
<td>8.1 1.4</td>
<td>1289</td>
<td>1344</td>
<td>80</td>
<td>87</td>
<td>3.8</td>
</tr>
<tr>
<td>Hipak Elite</td>
<td>Har.</td>
<td>8</td>
<td>7.7 1.4</td>
<td>1233</td>
<td>1420</td>
<td>85</td>
<td>90</td>
<td>3.8</td>
</tr>
<tr>
<td>Spartan Fancy</td>
<td>M.S.U.</td>
<td>8</td>
<td>8.2 1.2</td>
<td>1227</td>
<td>1463</td>
<td>86</td>
<td>88</td>
<td>4.0</td>
</tr>
<tr>
<td>Scarlet Nantes</td>
<td>Har.</td>
<td>7</td>
<td>5.9 1.5</td>
<td>1210</td>
<td>-</td>
<td>78</td>
<td>-</td>
<td>3.4</td>
</tr>
<tr>
<td>Trophy (9160AN)</td>
<td>Har.</td>
<td>4</td>
<td>8.4 1.3</td>
<td>1210</td>
<td>1473</td>
<td>85</td>
<td>90</td>
<td>3.8</td>
</tr>
<tr>
<td>Pioneer 318</td>
<td>Har.</td>
<td>8</td>
<td>7.0 1.4</td>
<td>1205</td>
<td>1411</td>
<td>80</td>
<td>87</td>
<td>3.8</td>
</tr>
<tr>
<td>Spartan Delite</td>
<td>M.S.U.</td>
<td>8</td>
<td>8.2 1.3</td>
<td>1200</td>
<td>1321</td>
<td>86</td>
<td>84</td>
<td>4.2</td>
</tr>
<tr>
<td>Grenadier</td>
<td>Har.</td>
<td>8</td>
<td>8.8 1.3</td>
<td>1190</td>
<td>1287</td>
<td>83</td>
<td>86</td>
<td>3.9</td>
</tr>
<tr>
<td>Highlight</td>
<td>Asg.</td>
<td>5</td>
<td>-</td>
<td>1189</td>
<td>-</td>
<td>84</td>
<td>-</td>
<td>3.7</td>
</tr>
<tr>
<td>Dominator</td>
<td>Key.</td>
<td>8</td>
<td>7.6 1.3</td>
<td>1151</td>
<td>1297</td>
<td>85</td>
<td>85</td>
<td>3.8</td>
</tr>
<tr>
<td>Carousel</td>
<td>Asg.</td>
<td>6</td>
<td>7.2 1.4</td>
<td>1132</td>
<td>-</td>
<td>74</td>
<td>-</td>
<td>3.9</td>
</tr>
<tr>
<td>Canuck</td>
<td>Sto.</td>
<td>8</td>
<td>9.0 1.3</td>
<td>1096</td>
<td>1235</td>
<td>84</td>
<td>81</td>
<td>3.9</td>
</tr>
<tr>
<td>Gold Pak 28</td>
<td>F.M.</td>
<td>8</td>
<td>8.7 1.3</td>
<td>1040</td>
<td>1093</td>
<td>85</td>
<td>89</td>
<td>4.0</td>
</tr>
<tr>
<td>Gold Pak 61</td>
<td>Key.</td>
<td>6</td>
<td>-</td>
<td>995</td>
<td>-</td>
<td>85</td>
<td>-</td>
<td>4.1</td>
</tr>
<tr>
<td>King Imperator</td>
<td>N.K.</td>
<td>6</td>
<td>-</td>
<td>976</td>
<td>-</td>
<td>80</td>
<td>-</td>
<td>3.7</td>
</tr>
</tbody>
</table>

**Score:** The average of the evaluations - uniformity, resistance to greening, colour, ringing, straightness and core sizes, i.e. - 1 = very poor
5 = very acceptable to the trade.
<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Stand./ft.</th>
<th>Mat./Bu/</th>
<th>% Mat.</th>
<th>Type Chills</th>
<th>Length (ins)</th>
<th>Width (ins)</th>
<th>Type</th>
<th>Tips</th>
<th>Crown</th>
<th>Uniform</th>
<th>Smoothness</th>
<th>Color</th>
<th>Int.</th>
<th>Ext.</th>
<th>Core Size</th>
<th>Shoulder</th>
<th>Core</th>
<th>R.R.</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>King Emperor</td>
<td>Sto.</td>
<td>13</td>
<td>1672</td>
<td>91</td>
<td>CF</td>
<td>8.9</td>
<td>1.5</td>
<td>GPI</td>
<td>4</td>
<td>4+</td>
<td>3+</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>3.66</td>
<td></td>
</tr>
<tr>
<td>Exp. Hyb. 1</td>
<td>Sto.</td>
<td>10</td>
<td>1254</td>
<td>80</td>
<td>U</td>
<td>8.7</td>
<td>1.4</td>
<td>I/GP</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>3.80</td>
<td></td>
</tr>
<tr>
<td>Exp. Hyb. 2</td>
<td>Sto.</td>
<td>10</td>
<td>1292</td>
<td>82</td>
<td>UF</td>
<td>8.5</td>
<td>1.4</td>
<td>I</td>
<td>4+</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>3</td>
<td>4</td>
<td>3.86</td>
<td></td>
</tr>
<tr>
<td>NCX 6017</td>
<td>FMC</td>
<td>8</td>
<td>1444</td>
<td>82</td>
<td>U</td>
<td>8.5</td>
<td>1.5</td>
<td>I</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>3.83</td>
<td></td>
</tr>
<tr>
<td>75647/11224</td>
<td>Har.</td>
<td>21</td>
<td>1501</td>
<td>86</td>
<td>UF</td>
<td>8.4</td>
<td>1.3</td>
<td>GPI</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>4</td>
<td>4+</td>
<td>4</td>
<td>4+</td>
<td>4</td>
<td>4</td>
<td>3.90</td>
<td></td>
</tr>
<tr>
<td>(5931x1383) 5986</td>
<td>MSU</td>
<td>16</td>
<td>1776</td>
<td>89</td>
<td>UF</td>
<td>8.2</td>
<td>1.3</td>
<td>IGP</td>
<td>4+</td>
<td>4-</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>3.78</td>
<td></td>
</tr>
<tr>
<td>Exp. Hyb. 4</td>
<td>Sto.</td>
<td>14</td>
<td>1681</td>
<td>84</td>
<td>UF</td>
<td>8.2</td>
<td>1.4</td>
<td>I</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>3.55</td>
<td></td>
</tr>
<tr>
<td>Exp. Hyb. 3</td>
<td>Sto.</td>
<td>20</td>
<td>1567</td>
<td>83</td>
<td>UF</td>
<td>8.1</td>
<td>1.3</td>
<td>I/GP</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3.72</td>
<td></td>
</tr>
<tr>
<td>Spartan Sweet A</td>
<td>Cro.</td>
<td>21</td>
<td>1871</td>
<td>96</td>
<td>UF</td>
<td>8.0</td>
<td>1.6</td>
<td>IN</td>
<td>4</td>
<td>4-</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>4</td>
<td>3.75</td>
<td></td>
</tr>
<tr>
<td>Exp. 484</td>
<td>N.K.</td>
<td>13</td>
<td>1472</td>
<td>81</td>
<td>UCF</td>
<td>7.7</td>
<td>1.3</td>
<td>I</td>
<td>4</td>
<td>4-</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3.82</td>
<td></td>
</tr>
<tr>
<td>Exp. Hyb. 1 XP Flacoro</td>
<td>6KSP/11144</td>
<td>16</td>
<td>1770</td>
<td>83</td>
<td>U</td>
<td>7.8</td>
<td>1.5</td>
<td>I/GP</td>
<td>3+</td>
<td>4-</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4+</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3.25</td>
<td></td>
</tr>
<tr>
<td>791AN/11124</td>
<td>Har.</td>
<td>14</td>
<td>1610</td>
<td>88</td>
<td>UF</td>
<td>7.6</td>
<td>1.3</td>
<td>IGP</td>
<td>4</td>
<td>4-</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3.71</td>
<td></td>
</tr>
<tr>
<td>Oranza</td>
<td>Beo.</td>
<td>17</td>
<td>2175</td>
<td>94</td>
<td>U</td>
<td>7.6</td>
<td>1.5</td>
<td>LN</td>
<td>4-</td>
<td>3+</td>
<td>4-</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>4*</td>
<td>4</td>
<td>4</td>
<td>3.66</td>
<td></td>
</tr>
<tr>
<td>XP 263</td>
<td>Asg.</td>
<td>13</td>
<td>1230</td>
<td>93</td>
<td>UC</td>
<td>7.5</td>
<td>1.3</td>
<td>IGP</td>
<td>4</td>
<td>4-</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4*</td>
<td>4</td>
<td>4</td>
<td>3.34</td>
<td></td>
</tr>
<tr>
<td>76AN/11134</td>
<td>Har.</td>
<td>19</td>
<td>1653</td>
<td>86</td>
<td>UF</td>
<td>7.5</td>
<td>1.4</td>
<td>IGP</td>
<td>4</td>
<td>4-</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3.79</td>
<td></td>
</tr>
<tr>
<td>NCX 6020</td>
<td>FMC</td>
<td>27</td>
<td>1753</td>
<td>72</td>
<td>U</td>
<td>7.4</td>
<td>1.3</td>
<td>IGP</td>
<td>4</td>
<td>4+</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3.78</td>
<td></td>
</tr>
<tr>
<td>79147/11234</td>
<td>Har.</td>
<td>15</td>
<td>1715</td>
<td>90</td>
<td>UF</td>
<td>7.4</td>
<td>1.3</td>
<td>IIN</td>
<td>4</td>
<td>4-</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3.82</td>
<td></td>
</tr>
<tr>
<td>XP H35</td>
<td>Asg.</td>
<td>15</td>
<td>1268</td>
<td>83</td>
<td>UF</td>
<td>7.4</td>
<td>1.4</td>
<td>D</td>
<td>4</td>
<td>3+</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4*</td>
<td>4</td>
<td>3</td>
<td>3.51</td>
<td></td>
</tr>
<tr>
<td>Gold Pak</td>
<td>Asg.</td>
<td>13</td>
<td>1400</td>
<td>87</td>
<td>U</td>
<td>7.4</td>
<td>1.4</td>
<td>ID</td>
<td>4</td>
<td>3+</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>3.48</td>
<td></td>
</tr>
<tr>
<td>Gold Pak Elite</td>
<td>Sto.</td>
<td>14</td>
<td>1187</td>
<td>84</td>
<td>U</td>
<td>7.4</td>
<td>1.4</td>
<td>ID</td>
<td>4</td>
<td>3+</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3.33</td>
<td></td>
</tr>
<tr>
<td>XP 127</td>
<td>Asg.</td>
<td>19</td>
<td>2033</td>
<td>86</td>
<td>UC</td>
<td>7.4</td>
<td>1.5</td>
<td>LNI</td>
<td>3+</td>
<td>4-</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3+</td>
<td>3</td>
<td>4</td>
<td>3.36</td>
<td></td>
</tr>
<tr>
<td>Hyb. Dominator</td>
<td>Key.</td>
<td>11</td>
<td>1672</td>
<td>96</td>
<td>UF</td>
<td>7.2</td>
<td>1.5</td>
<td>ID</td>
<td>4</td>
<td>4-</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>3.33</td>
<td></td>
</tr>
<tr>
<td>Superpak</td>
<td>VDB</td>
<td>9</td>
<td>1254</td>
<td>94</td>
<td>F</td>
<td>7.2</td>
<td>1.3</td>
<td>NI</td>
<td>3+</td>
<td>4-</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3+</td>
<td>3</td>
<td>4</td>
<td>3.44</td>
<td></td>
</tr>
<tr>
<td>NCX 6014</td>
<td>FMC</td>
<td>17</td>
<td>1624</td>
<td>92</td>
<td>U</td>
<td>7.2</td>
<td>1.3</td>
<td>I</td>
<td>4</td>
<td>4-</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3.68</td>
<td></td>
</tr>
<tr>
<td>79/SP/11164</td>
<td>Har.</td>
<td>20</td>
<td>1653</td>
<td>87</td>
<td>UF</td>
<td>7.2</td>
<td>1.3</td>
<td>IGP</td>
<td>4</td>
<td>4-</td>
<td>3+</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>3.52</td>
<td></td>
</tr>
<tr>
<td>(5931x5986) 107</td>
<td>MSU</td>
<td>15</td>
<td>1833</td>
<td>92</td>
<td>UF</td>
<td>7.2</td>
<td>1.4</td>
<td>ID</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3.86</td>
<td></td>
</tr>
<tr>
<td>Variety</td>
<td>Source</td>
<td>Stand./ft.</td>
<td>Mech./Bu./ac.</td>
<td>% Mkt.</td>
<td>Type Calla</td>
<td>Length (ins)</td>
<td>Width (ins)</td>
<td>Type</td>
<td>Tips</td>
<td>Crown</td>
<td>Uniform</td>
<td>Smoothness</td>
<td>Color</td>
<td>Int.</td>
<td>Ext.</td>
<td>Core Size</td>
<td>Shoulder</td>
<td>Core</td>
<td>R.R.</td>
<td>Score</td>
</tr>
<tr>
<td>------------------</td>
<td>---------</td>
<td>------------</td>
<td>---------------</td>
<td>--------</td>
<td>------------</td>
<td>--------------</td>
<td>--------------</td>
<td>------</td>
<td>------</td>
<td>-------</td>
<td>---------</td>
<td>------------</td>
<td>--------</td>
<td>------</td>
<td>-----</td>
<td>---------</td>
<td>---------</td>
<td>------</td>
<td>------</td>
<td>-------</td>
</tr>
<tr>
<td>Woodland</td>
<td>N.K.</td>
<td>10</td>
<td>1154</td>
<td>87</td>
<td>U</td>
<td>7.2</td>
<td>1.4</td>
<td>D</td>
<td>P</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>3+</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4+</td>
<td>4-</td>
<td>3.66</td>
<td></td>
</tr>
<tr>
<td>70900 F1</td>
<td>R.Sl.</td>
<td>14</td>
<td>2109</td>
<td>88</td>
<td>UCF</td>
<td>7.2</td>
<td>1.5</td>
<td>LN</td>
<td>B</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>4</td>
<td>3+</td>
<td>4-</td>
<td>3.78</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6K13/11214</td>
<td>Har.</td>
<td>14</td>
<td>1981</td>
<td>87</td>
<td>UF</td>
<td>7.2</td>
<td>1.5</td>
<td>ND</td>
<td>B</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>3+</td>
<td>3.41</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forba</td>
<td>D.P.</td>
<td>11</td>
<td>1734</td>
<td>93</td>
<td>U</td>
<td>7.2</td>
<td>1.3</td>
<td>D</td>
<td>P</td>
<td>4-</td>
<td>4</td>
<td>2-</td>
<td>3+</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>*</td>
<td>3.23</td>
<td></td>
<td></td>
</tr>
<tr>
<td>756AN/11114</td>
<td>Har.</td>
<td>18</td>
<td>1339</td>
<td>87</td>
<td>U</td>
<td>7.1</td>
<td>1.3</td>
<td>IGP</td>
<td>P</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>3+</td>
<td>3</td>
<td>3+</td>
<td>3</td>
<td>4-</td>
<td>3.77</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ultra Pak</td>
<td>Sto.</td>
<td>8</td>
<td>750</td>
<td>71</td>
<td>UC</td>
<td>7.1</td>
<td>1.5</td>
<td>I</td>
<td>P</td>
<td>4-</td>
<td>3+</td>
<td>3-</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>3</td>
<td>3.44</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(593lx1302)1391</td>
<td>MSU</td>
<td>19</td>
<td>1762</td>
<td>88</td>
<td>UF</td>
<td>7.1</td>
<td>1.5</td>
<td>ID</td>
<td>P</td>
<td>3+</td>
<td>4-</td>
<td>4-</td>
<td>4+</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>3.52</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PWX 1774</td>
<td>P.W.</td>
<td>5</td>
<td>1354</td>
<td>87</td>
<td>U</td>
<td>7.1</td>
<td>1.9</td>
<td>D</td>
<td>B</td>
<td>3+</td>
<td>4</td>
<td>3-</td>
<td>4-</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>3.58</td>
<td></td>
<td></td>
</tr>
<tr>
<td>70900 F1</td>
<td>Ro.B.</td>
<td>16</td>
<td>1776</td>
<td>95</td>
<td>UC</td>
<td>7.0</td>
<td>1.4</td>
<td>NND</td>
<td>B</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>3</td>
<td>3.46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XP 232</td>
<td>Asg.</td>
<td>16</td>
<td>1520</td>
<td>93</td>
<td>U</td>
<td>7.0</td>
<td>1.5</td>
<td>D</td>
<td>P</td>
<td>3+</td>
<td>4-</td>
<td>3-</td>
<td>3+</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>3</td>
<td>3.58</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(5986xl302)107</td>
<td>MSU</td>
<td>16</td>
<td>1496</td>
<td>94</td>
<td>UC</td>
<td>7.0</td>
<td>1.5</td>
<td>D</td>
<td>P</td>
<td>4-</td>
<td>4</td>
<td>3-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>3</td>
<td>3.66</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6K6/11194</td>
<td>Har.</td>
<td>20</td>
<td>2190</td>
<td>86</td>
<td>F</td>
<td>7.0</td>
<td>1.5</td>
<td>DN</td>
<td>B</td>
<td>3+</td>
<td>4-</td>
<td>3+</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>3+</td>
<td>3</td>
<td>3.44</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spartan Premium</td>
<td>MSU</td>
<td>22</td>
<td>2114</td>
<td>86</td>
<td>UF</td>
<td>7.0</td>
<td>1.5</td>
<td>ND</td>
<td>B</td>
<td>4-</td>
<td>4-</td>
<td>3-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.67</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fanci Pak</td>
<td>N.K.</td>
<td>12</td>
<td>1586</td>
<td>76</td>
<td>UCF</td>
<td>7.0</td>
<td>1.5</td>
<td>DNI</td>
<td>B</td>
<td>4-</td>
<td>4</td>
<td>3-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.41</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exp.Hyb.3(XP Flacoro)</td>
<td>Sto.</td>
<td>20</td>
<td>1605</td>
<td>82</td>
<td>U</td>
<td>7.0</td>
<td>1.7</td>
<td>P</td>
<td>3+</td>
<td>4-</td>
<td>3-</td>
<td>3-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>3+</td>
<td>3+</td>
<td>3.24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ccolora</td>
<td>Bee.</td>
<td>21</td>
<td>1463</td>
<td>86</td>
<td>U</td>
<td>6.9</td>
<td>1.3</td>
<td>NT</td>
<td>B</td>
<td>4-</td>
<td>3+</td>
<td>4-</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>3+</td>
<td>3+</td>
<td>3.58</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(593lx5986) 1302</td>
<td>MSU</td>
<td>17</td>
<td>1235</td>
<td>73</td>
<td>UF</td>
<td>6.9</td>
<td>1.4</td>
<td>DGP</td>
<td>P</td>
<td>3+</td>
<td>4-</td>
<td>3-</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>3+</td>
<td>3.63</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XP 486</td>
<td>Asg.</td>
<td>27</td>
<td>1995</td>
<td>77</td>
<td>UC</td>
<td>6.9</td>
<td>1.4</td>
<td>NNI</td>
<td>B</td>
<td>4-</td>
<td>3</td>
<td>3-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>3-</td>
<td>3.38</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(593lx6000) 107</td>
<td>M.U.</td>
<td>13</td>
<td>1691</td>
<td>89</td>
<td>UF</td>
<td>6.9</td>
<td>1.5</td>
<td>D</td>
<td>P</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>3-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>3.72</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lance</td>
<td>Des.</td>
<td>18</td>
<td>1349</td>
<td>90</td>
<td>U</td>
<td>6.8</td>
<td>1.3</td>
<td>I</td>
<td>P</td>
<td>4-</td>
<td>4-</td>
<td>3-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4+</td>
<td>3.67</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XP 159  Paramount</td>
<td>Asg.</td>
<td>17</td>
<td>1282</td>
<td>87</td>
<td>U</td>
<td>6.8</td>
<td>1.3</td>
<td>D</td>
<td>P</td>
<td>4-</td>
<td>3</td>
<td>3-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>3.64</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(593lx5986) 1383</td>
<td>MSU</td>
<td>15</td>
<td>1187</td>
<td>75</td>
<td>U</td>
<td>6.8</td>
<td>1.3</td>
<td>ID</td>
<td>P</td>
<td>3+</td>
<td>3+</td>
<td>3+</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>3+</td>
<td>3.55</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7918N/11074</td>
<td>Har.</td>
<td>13</td>
<td>1529</td>
<td>87</td>
<td>UF</td>
<td>6.8</td>
<td>1.4</td>
<td>IN</td>
<td>P</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4+</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>3.80</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XP 231 Diplomat</td>
<td>Asg.</td>
<td>14</td>
<td>1434</td>
<td>81</td>
<td>UF</td>
<td>6.8</td>
<td>1.5</td>
<td>DI</td>
<td>P</td>
<td>4-</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>3+</td>
<td>*</td>
<td>3.47</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(593lx6000) 1391</td>
<td>MSU</td>
<td>13</td>
<td>1225</td>
<td>72</td>
<td>UF</td>
<td>6.8</td>
<td>1.5</td>
<td>D</td>
<td>P</td>
<td>3+</td>
<td>4-</td>
<td>3-</td>
<td>3+</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>3.56</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tito</td>
<td>D.P.</td>
<td>16</td>
<td>1648</td>
<td>88</td>
<td>U</td>
<td>6.7</td>
<td>1.5</td>
<td>N</td>
<td>B</td>
<td>4-</td>
<td>4-</td>
<td>3-</td>
<td>3+</td>
<td>4</td>
<td>4-</td>
<td>3+</td>
<td>3</td>
<td>3.53</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(6000x5986) 107</td>
<td>MSU</td>
<td>19</td>
<td>1862</td>
<td>86</td>
<td>U</td>
<td>6.7</td>
<td>1.5</td>
<td>D</td>
<td>P</td>
<td>4-</td>
<td>4-</td>
<td>3-</td>
<td>3+</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>3.60</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## CARROT ADAPTATION TRIAL -1976.  MAINLY PACKAGING TYPES

<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Stand./ft.</th>
<th>Mch./Bu./ac.</th>
<th>% Mch.</th>
<th>Type Calls</th>
<th>Leth.(ins)</th>
<th>Width(ins)</th>
<th>e.d.</th>
<th>Tips</th>
<th>Crown</th>
<th>Uniform</th>
<th>Smoothness</th>
<th>Color</th>
<th>Core Size</th>
<th>Resist. to Greening</th>
<th>Shoulder Core</th>
<th>R.R. Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Javelin (5931x1302)107</td>
<td>MSU</td>
<td>19</td>
<td>1582</td>
<td>76</td>
<td>D P</td>
<td>3+ 3+ 3+</td>
<td>4- 4</td>
<td>4</td>
<td>4+</td>
<td>3.66</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>3- 3-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6K4/11174</td>
<td>Har.</td>
<td>12</td>
<td>1506</td>
<td>88</td>
<td>N B</td>
<td>3 4 4- 3-</td>
<td>3- 4</td>
<td>4</td>
<td>3-</td>
<td>3.37</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>3- 3-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Holland Glory</td>
<td>VDB</td>
<td>8</td>
<td>1159</td>
<td>73</td>
<td>N B</td>
<td>3- 4 3</td>
<td>3- 4</td>
<td>4</td>
<td>2-</td>
<td>3.12</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>3- 3-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spartan Sweet A</td>
<td>Key.</td>
<td>18</td>
<td>1814</td>
<td>90</td>
<td>DDN P</td>
<td>3+ 4- 3+</td>
<td>4- 4</td>
<td>4</td>
<td>4-</td>
<td>3.74</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>4- 4-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hyb. Crk. W109</td>
<td>Cro.</td>
<td>20</td>
<td>1482</td>
<td>75</td>
<td>UC</td>
<td>6.5 1.4</td>
<td>4- 4</td>
<td>4</td>
<td>4-</td>
<td>3.46</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>3- 3+</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hyb. Crk. W123</td>
<td>Cro.</td>
<td>13</td>
<td>1425</td>
<td>87</td>
<td>UF</td>
<td>6.5 1.5</td>
<td>4- 4</td>
<td>4</td>
<td>4-</td>
<td>3.46</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>3- 3+</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hyb. Crk. W111 (5986x6000)1391</td>
<td>70899 F1</td>
<td>Ro.B.</td>
<td>11</td>
<td>1477</td>
<td>UF</td>
<td>6.5 1.5</td>
<td>4- 4</td>
<td>4</td>
<td>4-</td>
<td>3.85</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>4- 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hyb. Crk. W111 (5986x6000)1391</td>
<td></td>
<td>Cro.</td>
<td>22</td>
<td>1477</td>
<td>88 U</td>
<td>3 1.4</td>
<td>3+ 3- 3+</td>
<td>4- 4</td>
<td>4</td>
<td>4-</td>
<td>3.72</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>4- 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hyb. Crk. W238</td>
<td>R.S.I.</td>
<td>9</td>
<td>760</td>
<td>83</td>
<td>UCP</td>
<td>5.5 1.3</td>
<td>4- 4</td>
<td>4</td>
<td>4-</td>
<td>3.52</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>4- 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PWX 1274 (5931x6000)1394</td>
<td>P.W.</td>
<td>18</td>
<td>1382</td>
<td>73</td>
<td>UF</td>
<td>6.3 1.4</td>
<td>4- 4</td>
<td>4</td>
<td>4-</td>
<td>3.80</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>4- 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FWX 1274 (5931x6000)1394</td>
<td>MSU</td>
<td>19</td>
<td>1339</td>
<td>86</td>
<td>UC</td>
<td>6.3 1.3</td>
<td>4- 4</td>
<td>4</td>
<td>4-</td>
<td>3.80</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>4- 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Special Nantes 616</td>
<td>Sto.</td>
<td>13</td>
<td>1187</td>
<td>78</td>
<td>U</td>
<td>6.3 1.4</td>
<td>4- 4</td>
<td>4</td>
<td>3+</td>
<td>3.00</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>3- 3+</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bercoro</td>
<td>Ro.B.</td>
<td>20</td>
<td>1563</td>
<td>83</td>
<td>U</td>
<td>6.3 1.4</td>
<td>4- 4</td>
<td>4</td>
<td>4-</td>
<td>3.37</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>3- 3-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Special Long Type Nant.St.</td>
<td>11</td>
<td>1786</td>
<td>86 UF</td>
<td>3+ 4- 3+</td>
<td>4- 4</td>
<td>4- 4</td>
<td>4</td>
<td>4-</td>
<td>3.37</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>3- 3-</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Imperator 68</td>
<td>Key.</td>
<td>14</td>
<td>1168</td>
<td>84</td>
<td>UF</td>
<td>6.2 1.3</td>
<td>4- 4</td>
<td>4</td>
<td>4-</td>
<td>3.50</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>4- 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Autumn King SG 571</td>
<td>S.Gr.</td>
<td>11</td>
<td>1510</td>
<td>91</td>
<td>UF</td>
<td>6.2 1.4</td>
<td>4- 4</td>
<td>4</td>
<td>4-</td>
<td>3.50</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>4- 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minicor</td>
<td>R.S.I.</td>
<td>12</td>
<td>1054</td>
<td>82</td>
<td>U</td>
<td>6.1 1.2</td>
<td>4- 4</td>
<td>4</td>
<td>4-</td>
<td>3.41</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>4- 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exp. Hyb. 3705</td>
<td>Key.</td>
<td>24</td>
<td>1429</td>
<td>87 UC</td>
<td>6.1 1.2</td>
<td>4- 4</td>
<td>4</td>
<td>4-</td>
<td>3.71</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>4- 4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ace</td>
<td>FMC</td>
<td>16</td>
<td>1178</td>
<td>75</td>
<td>U</td>
<td>6.1 1.3</td>
<td>4- 4</td>
<td>4</td>
<td>4-</td>
<td>3.71</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>4- 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6K12/11204</td>
<td>Har.</td>
<td>16</td>
<td>1273</td>
<td>79 UF</td>
<td>6.1 1.4</td>
<td>4- 4</td>
<td>4</td>
<td>4-</td>
<td>3.26</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>4- 4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exp.Hyb.2 (XP Flacoro) Sto.</td>
<td>21</td>
<td>1734</td>
<td>85 UC</td>
<td>6.1 1.5</td>
<td>4- 4</td>
<td>4</td>
<td>4-</td>
<td>3.46</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>4- 4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENL3/11094</td>
<td>Har.</td>
<td>20</td>
<td>1719</td>
<td>83</td>
<td>U</td>
<td>6.1 1.6</td>
<td>4- 4</td>
<td>4</td>
<td>4-</td>
<td>3.42</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>4- 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Karotan 4914</td>
<td>Asm.</td>
<td>11</td>
<td>836</td>
<td>87</td>
<td>U</td>
<td>6.1 1.6</td>
<td>4- 4</td>
<td>4</td>
<td>4-</td>
<td>3.33</td>
<td>3.37</td>
<td>3.37</td>
<td></td>
<td>4- 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Variety</td>
<td>Source</td>
<td>Stand/ft.</td>
<td>Mch./Bu/ac</td>
<td>% Mch.</td>
<td>Type Calls</td>
<td>Roots</td>
<td>MAINLY PACKAGING TYPES</td>
<td>Resist. to Greening</td>
<td>Score</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------</td>
<td>--------</td>
<td>-----------</td>
<td>------------</td>
<td>--------</td>
<td>------------</td>
<td>-------</td>
<td>-------------------------</td>
<td>--------------------</td>
<td>-------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DP 44</td>
<td>D.P.</td>
<td>15</td>
<td>1577</td>
<td>81</td>
<td>U</td>
<td></td>
<td>D</td>
<td>P</td>
<td>4</td>
<td>4</td>
<td>3+</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4+</td>
<td>4</td>
</tr>
<tr>
<td>Exp. Hyb. 3706</td>
<td>Key.</td>
<td>19</td>
<td>1311</td>
<td>73</td>
<td>UC</td>
<td></td>
<td>D</td>
<td>P</td>
<td>4</td>
<td>4</td>
<td>3+</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>756SN/11084</td>
<td>Har.</td>
<td>26</td>
<td>1724</td>
<td>86</td>
<td>U</td>
<td></td>
<td>ND</td>
<td>B</td>
<td>3+</td>
<td>3+</td>
<td>4</td>
<td>4-</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4+</td>
<td>4</td>
</tr>
<tr>
<td>Tancar</td>
<td>Cla.</td>
<td>25</td>
<td>2242</td>
<td>79</td>
<td>U</td>
<td></td>
<td>N</td>
<td>B</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>4-</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4-</td>
</tr>
<tr>
<td>Nanta</td>
<td>Bee.</td>
<td>9</td>
<td>926</td>
<td>86</td>
<td>U</td>
<td></td>
<td>ND</td>
<td>B</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Nantes Tip Top</td>
<td>S.Gr.</td>
<td>20</td>
<td>1211</td>
<td>61</td>
<td>U</td>
<td></td>
<td>N</td>
<td>B</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>V. Longa</td>
<td>Bee.</td>
<td>12</td>
<td>1197</td>
<td>86</td>
<td>U</td>
<td></td>
<td>D</td>
<td>P</td>
<td>4</td>
<td>3+</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Exp. Hyb. X198</td>
<td>Cla.</td>
<td>17</td>
<td>2223</td>
<td>88</td>
<td>UF</td>
<td></td>
<td>NND</td>
<td>B</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Spartan Classic</td>
<td>MSU</td>
<td>13</td>
<td>1738</td>
<td>93</td>
<td>UF</td>
<td></td>
<td>D</td>
<td>P</td>
<td>4</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Scarlet Nantes</td>
<td>Asg.</td>
<td>20</td>
<td>1197</td>
<td>73</td>
<td>U</td>
<td></td>
<td>N</td>
<td>B</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>XP 539</td>
<td>Asg.</td>
<td>18</td>
<td>1677</td>
<td>82</td>
<td>U</td>
<td></td>
<td>N</td>
<td>B</td>
<td>4</td>
<td>4</td>
<td>3+</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Amsterdamse Zoetebak</td>
<td>N.Z.</td>
<td>19</td>
<td>902</td>
<td>82</td>
<td>U</td>
<td></td>
<td>N</td>
<td>B</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>3</td>
<td>3+</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Super Nantes</td>
<td>Sto.</td>
<td>22</td>
<td>1083</td>
<td>66</td>
<td>U</td>
<td></td>
<td>N</td>
<td>B</td>
<td>4</td>
<td>3+</td>
<td>3</td>
<td>2</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Imperator 406</td>
<td>N.K.</td>
<td>9</td>
<td>503</td>
<td>64</td>
<td>U</td>
<td></td>
<td>D</td>
<td>P</td>
<td>4</td>
<td>3</td>
<td>3+</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>XP 542</td>
<td>Asg.</td>
<td>18</td>
<td>1482</td>
<td>85</td>
<td>U</td>
<td></td>
<td>N</td>
<td>B</td>
<td>4</td>
<td>3+</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Rosal</td>
<td>D.P.</td>
<td>17</td>
<td>1007</td>
<td>67</td>
<td>U</td>
<td></td>
<td>D</td>
<td>P</td>
<td>4</td>
<td>3</td>
<td>2+</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>VDB Ideal</td>
<td>VDB</td>
<td>18</td>
<td>1539</td>
<td>82</td>
<td>U</td>
<td></td>
<td>D</td>
<td>P</td>
<td>3</td>
<td>3</td>
<td>2+</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>756SP/11154</td>
<td>Har.</td>
<td>24</td>
<td>1268</td>
<td>79</td>
<td>U</td>
<td></td>
<td>D</td>
<td>P</td>
<td>4</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Saber</td>
<td>Des.</td>
<td>19</td>
<td>1045</td>
<td>75</td>
<td>U</td>
<td></td>
<td>D</td>
<td>B</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Nantes K Strain</td>
<td>Key.</td>
<td>23</td>
<td>815</td>
<td>57</td>
<td>U</td>
<td></td>
<td>N</td>
<td>B</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>NR 17/75 Baby type</td>
<td>D.P.</td>
<td>10</td>
<td>385</td>
<td>56</td>
<td>U</td>
<td></td>
<td>N</td>
<td>B</td>
<td>3</td>
<td>3+</td>
<td>2+</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>FGR 1230</td>
<td>FGR</td>
<td>17</td>
<td>750</td>
<td>65</td>
<td>U</td>
<td></td>
<td>D</td>
<td>P</td>
<td>4</td>
<td>3+</td>
<td>2+</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Touchon Deluxe</td>
<td>Sto.</td>
<td>17</td>
<td>1026</td>
<td>72</td>
<td>U</td>
<td></td>
<td>N</td>
<td>B</td>
<td>3+</td>
<td>3+</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>FGR 1229</td>
<td>FGR</td>
<td>14</td>
<td>1311</td>
<td>82</td>
<td>U</td>
<td></td>
<td>D</td>
<td>P</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>
### CARROT ADAPTATION TRIAL - 1976

### MAINLY PACKAGING TYPES

<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Stand/ft.</th>
<th>Mat. Bu/ac.</th>
<th>% Mat.</th>
<th>Type Culls</th>
<th>Roots</th>
<th>Length (ins)</th>
<th>Width (ins)</th>
<th>Type Tips</th>
<th>Crown</th>
<th>Uniform</th>
<th>Smoothness</th>
<th>Color Int.</th>
<th>Color Ext.</th>
<th>Core Size</th>
<th>Shoulder</th>
<th>Core</th>
<th>R.R.</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>XP 441</td>
<td>Asg. 7</td>
<td>423</td>
<td>78</td>
<td>U</td>
<td>4.7</td>
<td>1.6</td>
<td>D</td>
<td>B</td>
<td>3+ 3- 2+</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>**</td>
<td>3.41</td>
</tr>
<tr>
<td>PGR 1228</td>
<td>RGR 10</td>
<td>1187</td>
<td>88</td>
<td>U</td>
<td>4.3</td>
<td>1.7</td>
<td>DC</td>
<td>P</td>
<td>3- 3- 3- 3-</td>
<td>3</td>
<td>4-</td>
<td>3+</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>*</td>
</tr>
<tr>
<td>AMCA</td>
<td>Cla 22</td>
<td>427</td>
<td>46</td>
<td>U</td>
<td>4.2</td>
<td>1.0</td>
<td>N</td>
<td>B</td>
<td>3 2 2+ 4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.26</td>
</tr>
<tr>
<td>Kobak</td>
<td>D.P. 8</td>
<td>318</td>
<td>74</td>
<td>U</td>
<td>4.0</td>
<td>1.0</td>
<td>D</td>
<td>P</td>
<td>3 3+ 2</td>
<td>3+</td>
<td>3+</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>*</td>
</tr>
<tr>
<td>XP 430</td>
<td>Asg. 9</td>
<td>413</td>
<td>84</td>
<td>U</td>
<td>3.8</td>
<td>0.6</td>
<td>DN</td>
<td>P</td>
<td>3+ 4 3</td>
<td>4+</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>*</td>
</tr>
</tbody>
</table>

**NOTES**: Listed in order of length.

**Key**: 1 = least desirable; 5 = most desirable

**Culls**: U = undersize; C = cracks; F = forks

**Type**: D = Danvers; C = Chantenay; N = Nantes; GP = Gold Pak; I = Imperator; LN = Long Nantes

**Rusty Root**: * = slight amount observed

***** = heavily affected with rusty root.
<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Stand/Ft</th>
<th>% Mb.</th>
<th>% T/A</th>
<th>Type Cells</th>
<th>Length (Ins)</th>
<th>Width (Ins)</th>
<th>Type</th>
<th>Tails</th>
<th>Crown</th>
<th>Uniform</th>
<th>Smoothness</th>
<th>Color</th>
<th>Ext.</th>
<th>Core Size</th>
<th>Shoulder</th>
<th>Core</th>
<th>R.R.</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spartan Bonus</td>
<td>Key.</td>
<td>13</td>
<td>53</td>
<td>96</td>
<td>C</td>
<td>6.1.9</td>
<td>D</td>
<td>B</td>
<td>3+</td>
<td>4</td>
<td>3+</td>
<td>4-</td>
<td>4-</td>
<td>3+</td>
<td>4-</td>
<td>4-</td>
<td>3+</td>
<td>4-</td>
<td>3.43</td>
</tr>
<tr>
<td>Red Core Chant. 503</td>
<td>Asg.</td>
<td>10</td>
<td>53</td>
<td>93</td>
<td>U</td>
<td>5.2.0</td>
<td>C</td>
<td>B</td>
<td>3-</td>
<td>4</td>
<td>3+</td>
<td>4-</td>
<td>4-</td>
<td>3+</td>
<td>4-</td>
<td>4-</td>
<td>3+</td>
<td>4-</td>
<td>3.55</td>
</tr>
<tr>
<td>Royal Danvers</td>
<td>Agw.</td>
<td>14</td>
<td>53</td>
<td>93</td>
<td>U</td>
<td>7.1.7</td>
<td>D</td>
<td>B</td>
<td>3-</td>
<td>4</td>
<td>3+</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>3+</td>
<td>4-</td>
<td>3.75</td>
</tr>
<tr>
<td>Exp. Hyb. X115</td>
<td>Cla.</td>
<td>16</td>
<td>49</td>
<td>91</td>
<td>CF</td>
<td>6.1.6</td>
<td>N</td>
<td>B</td>
<td>3+</td>
<td>4</td>
<td>4-</td>
<td>3-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>3+</td>
<td>4-</td>
<td>3.67</td>
</tr>
<tr>
<td>XP 402</td>
<td>Asg.</td>
<td>10</td>
<td>48</td>
<td>94</td>
<td>U</td>
<td>5.2.1</td>
<td>CD</td>
<td>B</td>
<td>3+</td>
<td>4</td>
<td>3-</td>
<td>3+</td>
<td>4-</td>
<td>4</td>
<td>3+</td>
<td>3+</td>
<td>3</td>
<td>3+</td>
<td>2.77</td>
</tr>
<tr>
<td>Nandor</td>
<td>Cla.</td>
<td>19</td>
<td>48</td>
<td>89</td>
<td>U</td>
<td>6.1.5</td>
<td>N</td>
<td>B</td>
<td>3+</td>
<td>4</td>
<td>4-</td>
<td>3+</td>
<td>4-</td>
<td>4</td>
<td>3+</td>
<td>3+</td>
<td>3+</td>
<td>3</td>
<td>3.66</td>
</tr>
<tr>
<td>Touche</td>
<td>Des.</td>
<td>15</td>
<td>46</td>
<td>92</td>
<td>U</td>
<td>5.1.8</td>
<td>D</td>
<td>B</td>
<td>3+</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.75</td>
</tr>
<tr>
<td>PWX 1174</td>
<td>P.W.</td>
<td>11</td>
<td>44</td>
<td>90</td>
<td>C</td>
<td>6.1.9</td>
<td>D</td>
<td>B</td>
<td>4-</td>
<td>4</td>
<td>3-</td>
<td>3</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.53</td>
</tr>
<tr>
<td>Hyb. Crk. W11</td>
<td>Cro.</td>
<td>11</td>
<td>44</td>
<td>90</td>
<td>UC</td>
<td>7.1.9</td>
<td>DN</td>
<td>B</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.80</td>
</tr>
<tr>
<td>Dess Dan</td>
<td>Des.</td>
<td>12</td>
<td>44</td>
<td>88</td>
<td>F</td>
<td>6.1.8</td>
<td>DN</td>
<td>B</td>
<td>3+</td>
<td>4</td>
<td>3+</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.74</td>
</tr>
<tr>
<td>PWX 508</td>
<td>P.W.</td>
<td>10</td>
<td>44</td>
<td>83</td>
<td>U</td>
<td>8.1.8</td>
<td>DI</td>
<td>B</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.80</td>
</tr>
<tr>
<td>Exp. Hyb. X200</td>
<td>Cla.</td>
<td>13</td>
<td>41</td>
<td>82</td>
<td>UC</td>
<td>6.1.7</td>
<td>D</td>
<td>P</td>
<td>4-</td>
<td>4</td>
<td>3+</td>
<td>3</td>
<td>4-</td>
<td>4</td>
<td>3+</td>
<td>3+</td>
<td>3+</td>
<td>3</td>
<td>3.75</td>
</tr>
<tr>
<td>Aut. King Fakkel (R) Mix</td>
<td>S.Gr.</td>
<td>11</td>
<td>41</td>
<td>82</td>
<td>UCF</td>
<td>7.1.9</td>
<td>DDI</td>
<td>P</td>
<td>4-</td>
<td>4</td>
<td>3</td>
<td>3-</td>
<td>4-</td>
<td>4</td>
<td>3+</td>
<td>3+</td>
<td>3+</td>
<td>3</td>
<td>3.37</td>
</tr>
<tr>
<td>(5931x6000)872</td>
<td>MSU</td>
<td>11</td>
<td>39</td>
<td>80</td>
<td>C</td>
<td>7.1.6</td>
<td>I</td>
<td>P</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.85</td>
</tr>
<tr>
<td>(5931x5986)872</td>
<td>MSU</td>
<td>9</td>
<td>38</td>
<td>86</td>
<td>CF</td>
<td>7.1.9</td>
<td>DN</td>
<td>P</td>
<td>3+</td>
<td>4</td>
<td>3+</td>
<td>3</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.77</td>
</tr>
<tr>
<td>(6000x9541)5988</td>
<td>MSU</td>
<td>14</td>
<td>38</td>
<td>83</td>
<td>UC</td>
<td>7.1.7</td>
<td>N</td>
<td>B</td>
<td>3+</td>
<td>4</td>
<td>3+</td>
<td>3</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.60</td>
</tr>
<tr>
<td>Hyb. Crk. W320</td>
<td>Cro.</td>
<td>14</td>
<td>38</td>
<td>73</td>
<td>C</td>
<td>6.1.8</td>
<td>DN</td>
<td>B</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.76</td>
</tr>
<tr>
<td>NCX 6010 M</td>
<td>FMC</td>
<td>19</td>
<td>37</td>
<td>93</td>
<td>U</td>
<td>6.1.7</td>
<td>D</td>
<td>P</td>
<td>3+</td>
<td>4</td>
<td>3+</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.71</td>
</tr>
<tr>
<td>Exp. 451</td>
<td>N.K.</td>
<td>12</td>
<td>37</td>
<td>90</td>
<td>UC</td>
<td>4.1.7</td>
<td>ND</td>
<td>B</td>
<td>3+</td>
<td>4</td>
<td>4-</td>
<td>3</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>3+</td>
<td>4-</td>
<td>3.67</td>
</tr>
<tr>
<td>Can Pak</td>
<td>Des.</td>
<td>13</td>
<td>37</td>
<td>90</td>
<td>CF</td>
<td>7.1.7</td>
<td>DI</td>
<td>P</td>
<td>4-</td>
<td>3+</td>
<td>3</td>
<td>3+</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.63</td>
</tr>
<tr>
<td>(5931x5986)1304</td>
<td>MSU</td>
<td>10</td>
<td>37</td>
<td>88</td>
<td>CF</td>
<td>8.1.8</td>
<td>TD</td>
<td>P</td>
<td>3+</td>
<td>4</td>
<td>4-</td>
<td>3</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.81</td>
</tr>
<tr>
<td>(5941x5986)5988</td>
<td>MSU</td>
<td>10</td>
<td>35</td>
<td>90</td>
<td>C</td>
<td>7.1.7</td>
<td>DN</td>
<td>B</td>
<td>3</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.75</td>
</tr>
<tr>
<td>Hyb. Crk. W291</td>
<td>Cro.</td>
<td>20</td>
<td>35</td>
<td>90</td>
<td>U</td>
<td>7.1.5</td>
<td>I/GP</td>
<td>P</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.85</td>
</tr>
<tr>
<td>Exp. 474</td>
<td>N.K.</td>
<td>9</td>
<td>35</td>
<td>78</td>
<td>CF</td>
<td>7.1.5</td>
<td>TD</td>
<td>P</td>
<td>3+</td>
<td>4</td>
<td>4-</td>
<td>3</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.77</td>
</tr>
<tr>
<td>729136 (1977 TARGET)</td>
<td>Har.</td>
<td>13</td>
<td>34</td>
<td>97</td>
<td>U</td>
<td>5.1.4</td>
<td>DGP</td>
<td>P</td>
<td>3+</td>
<td>3</td>
<td>4+</td>
<td>3+</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.62</td>
</tr>
<tr>
<td>Tabor</td>
<td>Cla.</td>
<td>11</td>
<td>34</td>
<td>76</td>
<td>UC</td>
<td>6.1.9</td>
<td>N</td>
<td>B</td>
<td>3</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.72</td>
</tr>
<tr>
<td>PWX 1574</td>
<td>P.W.</td>
<td>18</td>
<td>31</td>
<td>79</td>
<td>U</td>
<td>5.1.7</td>
<td>CD</td>
<td>B</td>
<td>3</td>
<td>3</td>
<td>3+</td>
<td>3</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.58</td>
</tr>
<tr>
<td>Variety</td>
<td>Source</td>
<td>Stand/ft.</td>
<td>Mkb./T/A</td>
<td>% Mkb.</td>
<td>Type Culls</td>
<td>Roots:</td>
<td>Length (inc)</td>
<td>Width (ins)</td>
<td>Tips</td>
<td>Crown</td>
<td>Uniform</td>
<td>Smoothness</td>
<td>Color</td>
<td>Int.</td>
<td>Ext.</td>
<td>Core Size</td>
<td>Shoulder</td>
<td>Core</td>
<td>R.R.</td>
</tr>
<tr>
<td>----------------------</td>
<td>--------</td>
<td>-----------</td>
<td>----------</td>
<td>--------</td>
<td>------------</td>
<td>---------</td>
<td>-------------</td>
<td>-------------</td>
<td>------</td>
<td>-------</td>
<td>---------</td>
<td>------------</td>
<td>-------</td>
<td>------</td>
<td>-----</td>
<td>----------</td>
<td>---------</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>Lance</td>
<td>Des.</td>
<td>14</td>
<td>30</td>
<td>81</td>
<td>UF</td>
<td>7</td>
<td>1.4</td>
<td></td>
<td>I/GP</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.86</td>
</tr>
<tr>
<td>Danvers 126</td>
<td>Agw.</td>
<td>9</td>
<td>30</td>
<td>86</td>
<td>UCF</td>
<td>6</td>
<td>1.8</td>
<td></td>
<td>D</td>
<td>4</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.67</td>
</tr>
<tr>
<td>Exp. 452</td>
<td>N.K.</td>
<td>11</td>
<td>29</td>
<td>78</td>
<td>UC</td>
<td>5</td>
<td>1.7</td>
<td></td>
<td>NC</td>
<td>3</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.56</td>
</tr>
<tr>
<td>(5931 x 6000)1304</td>
<td>MSU</td>
<td>10</td>
<td>29</td>
<td>67</td>
<td>UCF</td>
<td>7</td>
<td>1.4</td>
<td></td>
<td>ID</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>3.78</td>
</tr>
<tr>
<td>Exp. 453</td>
<td>N.K.</td>
<td>6</td>
<td>28</td>
<td>85</td>
<td>C</td>
<td>5</td>
<td>1.8</td>
<td></td>
<td>DN</td>
<td>3</td>
<td>4-</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.64</td>
</tr>
<tr>
<td>Red Core Berlikum</td>
<td>VDB</td>
<td>13</td>
<td>27</td>
<td>93</td>
<td>U</td>
<td>7</td>
<td>1.3</td>
<td></td>
<td>NNI</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.75</td>
</tr>
<tr>
<td>Berlicum Bertina (R)</td>
<td>S.Gr.</td>
<td>7</td>
<td>26</td>
<td>93</td>
<td>U</td>
<td>6</td>
<td>1.5</td>
<td></td>
<td>LN</td>
<td>4</td>
<td>4-</td>
<td>3+</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.71</td>
</tr>
<tr>
<td>Flam Flakkee</td>
<td>D.P.</td>
<td>13</td>
<td>24</td>
<td>77</td>
<td>U</td>
<td>7</td>
<td>1.8</td>
<td></td>
<td>CH</td>
<td>4</td>
<td>3+</td>
<td>4</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>3+</td>
<td>3+</td>
<td>3+</td>
<td>3</td>
</tr>
<tr>
<td>Chantenay SG581</td>
<td>S.Gr.</td>
<td>14</td>
<td>24</td>
<td>71</td>
<td>UC</td>
<td>4</td>
<td>1.6</td>
<td></td>
<td>P</td>
<td>3+</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.67</td>
</tr>
<tr>
<td>Flacaro</td>
<td>Rog.</td>
<td>8</td>
<td>23</td>
<td>68</td>
<td>CF</td>
<td>7</td>
<td>1.8</td>
<td></td>
<td>D</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.71</td>
</tr>
<tr>
<td>Flakko</td>
<td>N.Z.</td>
<td>12</td>
<td>23</td>
<td>70</td>
<td>UC</td>
<td>5</td>
<td>1.7</td>
<td></td>
<td>D</td>
<td>4-</td>
<td>3</td>
<td>3+</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.54</td>
</tr>
<tr>
<td>Danvers 126</td>
<td>Key.</td>
<td>17</td>
<td>22</td>
<td>81</td>
<td>U</td>
<td>5</td>
<td>1.2</td>
<td></td>
<td>H</td>
<td>4-</td>
<td>3</td>
<td>3+</td>
<td>4-</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>3.57</td>
</tr>
<tr>
<td>Saber</td>
<td>Des.</td>
<td>14</td>
<td>22</td>
<td>79</td>
<td>U</td>
<td>5</td>
<td>1.5</td>
<td></td>
<td>NND</td>
<td>4</td>
<td>3+</td>
<td>3+</td>
<td>4-</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>3.53</td>
</tr>
</tbody>
</table>
### Cauliflower Main Variety Trial - 1976

Direct Seeded June 15 - Plants NOT Tied

<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Days to Harvest</th>
<th>Mkbg. Yield (Cts./Acre)</th>
<th>% Mkbg.</th>
<th>% Curds Without Any Loss of Color</th>
<th>Degree Curd Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Top</td>
<td>S.Gr.</td>
<td>96</td>
<td>1094</td>
<td>99</td>
<td>62</td>
<td>2.6</td>
</tr>
<tr>
<td>Raket</td>
<td>S.Gr.</td>
<td>87</td>
<td>1028</td>
<td>96</td>
<td>2</td>
<td>1.9</td>
</tr>
<tr>
<td>Idol</td>
<td>Sto.</td>
<td>87</td>
<td>966</td>
<td>93</td>
<td>2</td>
<td>1.5</td>
</tr>
<tr>
<td>Alert</td>
<td>Oh.E.</td>
<td>74</td>
<td>956</td>
<td>88</td>
<td>4</td>
<td>1.9</td>
</tr>
<tr>
<td>Cloud</td>
<td>Sto.</td>
<td>92</td>
<td>909</td>
<td>90</td>
<td>2</td>
<td>1.9</td>
</tr>
<tr>
<td>Self Blanche</td>
<td>Sto.</td>
<td>96</td>
<td>900</td>
<td>96</td>
<td>11</td>
<td>3.8</td>
</tr>
<tr>
<td>Suprimax</td>
<td>R.Sl.</td>
<td>92</td>
<td>847</td>
<td>90</td>
<td>18</td>
<td>2.2</td>
</tr>
<tr>
<td>Delira</td>
<td>R.Zw.</td>
<td>97</td>
<td>831</td>
<td>96</td>
<td>20</td>
<td>2.1</td>
</tr>
<tr>
<td>Nevada</td>
<td>R.Zw.</td>
<td>95</td>
<td>732</td>
<td>88</td>
<td>30</td>
<td>2.2</td>
</tr>
<tr>
<td>Snowball Y</td>
<td>Sto.</td>
<td>95</td>
<td>553</td>
<td>70</td>
<td>22</td>
<td>2.1</td>
</tr>
</tbody>
</table>

Notes: Spacing 18" in the rows, rows 23" apart. After thinning the plant stand was reduced by wirestem and clubroot infection. At harvest the plants were not tied and in the last two columns is reported the percentage of heads that did not lose any color at all and the degree of shade protection the leaves provided. 7 = most desirable.
**CAULIFLOWER ADAPTATION TRIAL - 1976**

Direct Seeded June 15 - Plants NOT Tied

<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Days to Harvest</th>
<th>M wb. Yield/cwt/acre</th>
<th>% M wb.</th>
<th>% Cuts without any loss of color</th>
<th>Degree Cured Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dominant</td>
<td>Ves.</td>
<td>108</td>
<td>725</td>
<td>94</td>
<td>28</td>
<td>2.4</td>
</tr>
<tr>
<td>Torina</td>
<td>Bee.</td>
<td>92</td>
<td>788</td>
<td>90</td>
<td>12</td>
<td>1.6</td>
</tr>
<tr>
<td>Elgon</td>
<td>R.Sl.</td>
<td>127</td>
<td>750</td>
<td>100</td>
<td>36</td>
<td>3.3</td>
</tr>
<tr>
<td>Nimba</td>
<td>R.Sl.</td>
<td>122</td>
<td>338</td>
<td>100</td>
<td>16</td>
<td>2.9</td>
</tr>
<tr>
<td>Avans</td>
<td>Ch.E.</td>
<td>99</td>
<td>838</td>
<td>89</td>
<td>32</td>
<td>2.3</td>
</tr>
<tr>
<td>Tornado</td>
<td>S.Gr.</td>
<td>91</td>
<td>838</td>
<td>94</td>
<td>8</td>
<td>2.0</td>
</tr>
<tr>
<td>Cyrano</td>
<td>Bee.</td>
<td>99</td>
<td>963</td>
<td>100</td>
<td>20</td>
<td>2.3</td>
</tr>
<tr>
<td>White Christmas</td>
<td>Sak.</td>
<td>96</td>
<td>1000</td>
<td>100</td>
<td>12</td>
<td>1.5</td>
</tr>
<tr>
<td>Solo Crop</td>
<td>Brc.</td>
<td>94</td>
<td>1100</td>
<td>96</td>
<td>48</td>
<td>2.4</td>
</tr>
<tr>
<td>Snow Crown</td>
<td>Tak.</td>
<td>72</td>
<td>925</td>
<td>90</td>
<td>52</td>
<td>2.8</td>
</tr>
<tr>
<td>Lawnya</td>
<td>S.Gr.</td>
<td>92</td>
<td>975</td>
<td>91</td>
<td>20</td>
<td>2.1</td>
</tr>
<tr>
<td>Roberna</td>
<td>V.D.B.</td>
<td>92</td>
<td>1013</td>
<td>100</td>
<td>4</td>
<td>1.7</td>
</tr>
<tr>
<td>Exp.Hyb. 6353</td>
<td>Key.</td>
<td>95</td>
<td>925</td>
<td>100</td>
<td>4</td>
<td>1.7</td>
</tr>
<tr>
<td>Exp.Hyb. 8791</td>
<td>Key.</td>
<td>94</td>
<td>1000</td>
<td>100</td>
<td>28</td>
<td>2.4</td>
</tr>
<tr>
<td>Snowball 90</td>
<td>Key.</td>
<td>118</td>
<td>425</td>
<td>56</td>
<td>4</td>
<td>2.0</td>
</tr>
<tr>
<td>Igloco</td>
<td>Key.</td>
<td>115</td>
<td>613</td>
<td>93</td>
<td>8</td>
<td>1.9</td>
</tr>
<tr>
<td>Strong Osena</td>
<td>Key.</td>
<td>113</td>
<td>913</td>
<td>100</td>
<td>32</td>
<td>2.0</td>
</tr>
<tr>
<td>Winner Osena</td>
<td>Key.</td>
<td>115</td>
<td>188</td>
<td>100</td>
<td>4</td>
<td>1.5</td>
</tr>
<tr>
<td>Super Snowball</td>
<td>Key.</td>
<td>119</td>
<td>200</td>
<td>67</td>
<td>0</td>
<td>2.2</td>
</tr>
<tr>
<td>Master Osena E</td>
<td>Key.</td>
<td>86</td>
<td>725</td>
<td>75</td>
<td>0</td>
<td>1.1</td>
</tr>
<tr>
<td>Supra</td>
<td>V.D.B.</td>
<td>104</td>
<td>838</td>
<td>90</td>
<td>20</td>
<td>2.3</td>
</tr>
<tr>
<td>Marva</td>
<td>Bee.</td>
<td>89</td>
<td>900</td>
<td>95</td>
<td>0</td>
<td>1.4</td>
</tr>
<tr>
<td>Monarch 73</td>
<td>Asg.</td>
<td>93</td>
<td>588</td>
<td>67</td>
<td>12</td>
<td>2.2</td>
</tr>
<tr>
<td>Early Snowball X</td>
<td>Asg.</td>
<td>114</td>
<td>450</td>
<td>53</td>
<td>12</td>
<td>2.3</td>
</tr>
</tbody>
</table>
## CAULIFLOWER ADAPTATION TRIAL - 1976

**Direct Seeded June 15 - Plants NOT Tied**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Days to Harvest</th>
<th>MWb Yield/acre</th>
<th>% MWb.</th>
<th>% Curds Without any loss of color</th>
<th>Degree Curd Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Super Snowball A</td>
<td>Asg.</td>
<td>82</td>
<td>725</td>
<td>100</td>
<td>0</td>
<td>1.3</td>
</tr>
<tr>
<td>Snow Flower</td>
<td>Asg.</td>
<td>93</td>
<td>663</td>
<td>82</td>
<td>24</td>
<td>2.1</td>
</tr>
<tr>
<td>Brendo</td>
<td>D.P.</td>
<td>94</td>
<td>650</td>
<td>93</td>
<td>24</td>
<td>2.3</td>
</tr>
<tr>
<td>Zora 89-5</td>
<td>R.Sl.</td>
<td>91</td>
<td>1050</td>
<td>100</td>
<td>44</td>
<td>2.3</td>
</tr>
<tr>
<td>Durate</td>
<td>R.Sl.</td>
<td>104</td>
<td>875</td>
<td>7</td>
<td>32</td>
<td>2.2</td>
</tr>
<tr>
<td>Maxar</td>
<td>Ro.B.</td>
<td>97</td>
<td>688</td>
<td>88</td>
<td>36</td>
<td>2.5</td>
</tr>
<tr>
<td>Veralto</td>
<td>Ro.B.</td>
<td>87</td>
<td>475</td>
<td>47</td>
<td>0</td>
<td>1.6</td>
</tr>
<tr>
<td>Kassa</td>
<td>V.D.B.</td>
<td>116</td>
<td>988</td>
<td>95</td>
<td>40</td>
<td>2.6</td>
</tr>
<tr>
<td>Somfest</td>
<td>V.D.B.</td>
<td>88</td>
<td>988</td>
<td>100</td>
<td>8</td>
<td>1.6</td>
</tr>
<tr>
<td>Delta</td>
<td>V.D.B.</td>
<td>94</td>
<td>1050</td>
<td>100</td>
<td>0</td>
<td>1.5</td>
</tr>
<tr>
<td>Sera</td>
<td>V.D.B.</td>
<td>96</td>
<td>575</td>
<td>68</td>
<td>4</td>
<td>1.8</td>
</tr>
<tr>
<td>Blenda</td>
<td>V.D.B.</td>
<td>112</td>
<td>738</td>
<td>67</td>
<td>12</td>
<td>2.0</td>
</tr>
</tbody>
</table>

**EARLY**: Snow Crown, Super Snowball A, Master Osena, Veralto  

**YIELD**: Zora 89-5, Delta, White Christmas  

*Very promising all around: Snow Crown*

*Underneath disappears after cooking?***
<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Early Harvest Mkb T/A</th>
<th>Ave. of all Harvest dates A % Trim Loss</th>
<th>Ave. Pet. Length</th>
<th>Ave. Stalk Width</th>
<th>Total Length</th>
<th>Ribbing</th>
<th>Int. Snacker Growth</th>
<th>Crispness</th>
<th>Stringiness</th>
<th>Compactness</th>
<th>Boron Def.</th>
<th>B (cat scratches)</th>
<th>Yellow leaves</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida 2-13</td>
<td>Key</td>
<td>40.5</td>
<td>15</td>
<td>10.3</td>
<td>3.3</td>
<td>22.3</td>
<td>R</td>
<td>3.1</td>
<td>3.9</td>
<td>3.3</td>
<td>3.0</td>
<td>3.8</td>
<td>3.7</td>
<td></td>
</tr>
<tr>
<td>52-70 K Strain</td>
<td>Key</td>
<td>30.8</td>
<td>16</td>
<td>11.6</td>
<td>3.4</td>
<td>23.6</td>
<td>M</td>
<td>3.6</td>
<td>4.0</td>
<td>3.7</td>
<td>3.3</td>
<td>3.9</td>
<td>2.7</td>
<td></td>
</tr>
<tr>
<td>Tendercrisp</td>
<td>Sto</td>
<td>34.1</td>
<td>17</td>
<td>12.3</td>
<td>3.3</td>
<td>24.3</td>
<td>M</td>
<td>3.6</td>
<td>4.1</td>
<td>3.8</td>
<td>4.0</td>
<td>3.4</td>
<td>4.0</td>
<td></td>
</tr>
<tr>
<td>8190</td>
<td>FM</td>
<td>35.7</td>
<td>17</td>
<td>11.8</td>
<td>3.4</td>
<td>24.6</td>
<td>M</td>
<td>3.0</td>
<td>3.9</td>
<td>3.6</td>
<td>3.7</td>
<td>3.8</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Florida 683</td>
<td>Asg</td>
<td>35.0</td>
<td>16</td>
<td>10.6</td>
<td>3.3</td>
<td>22.6</td>
<td>R</td>
<td>3.0</td>
<td>3.7</td>
<td>3.6</td>
<td>2.9</td>
<td>3.9</td>
<td>3.7</td>
<td></td>
</tr>
<tr>
<td>H28</td>
<td>Har</td>
<td>38.8</td>
<td>16</td>
<td>11.0</td>
<td>3.2</td>
<td>23.3</td>
<td>R</td>
<td>3.7</td>
<td>3.8</td>
<td>3.3</td>
<td>3.8</td>
<td>4.0</td>
<td>3.7</td>
<td></td>
</tr>
<tr>
<td>Florida 2-14</td>
<td>Key</td>
<td>33.9</td>
<td>15</td>
<td>11.1</td>
<td>3.0</td>
<td>24.0</td>
<td>R</td>
<td>4.0</td>
<td>4.1</td>
<td>3.7</td>
<td>3.7</td>
<td>3.6</td>
<td>3.3</td>
<td></td>
</tr>
<tr>
<td>3036</td>
<td>FM</td>
<td>31.9</td>
<td>21</td>
<td>10.1</td>
<td>3.4</td>
<td>22.6</td>
<td>R</td>
<td>3.1</td>
<td>4.0</td>
<td>3.7</td>
<td>3.7</td>
<td>3.8</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>373 Clean Cut</td>
<td>Har</td>
<td>44.7</td>
<td>19</td>
<td>11.1</td>
<td>3.2</td>
<td>25.3</td>
<td>R</td>
<td>3.8</td>
<td>4.1</td>
<td>3.7</td>
<td>4.0</td>
<td>3.4</td>
<td>3.7</td>
<td></td>
</tr>
<tr>
<td>Calmaro</td>
<td>FMC</td>
<td>25.8</td>
<td>19</td>
<td>10.1</td>
<td>3.3</td>
<td>21.6</td>
<td>R</td>
<td>3.2</td>
<td>3.7</td>
<td>3.2</td>
<td>3.1</td>
<td>3.9</td>
<td>2.7</td>
<td></td>
</tr>
<tr>
<td>H26</td>
<td>Har</td>
<td>40.1</td>
<td>21</td>
<td>10.5</td>
<td>3.3</td>
<td>23.6</td>
<td>R</td>
<td>3.3</td>
<td>3.9</td>
<td>3.7</td>
<td>3.4</td>
<td>3.6</td>
<td>4.0</td>
<td></td>
</tr>
<tr>
<td>Tall Utah 52-70R Improved</td>
<td></td>
<td>30.0</td>
<td>19</td>
<td>10.6</td>
<td>3.1</td>
<td>23.0</td>
<td>R</td>
<td>3.7</td>
<td>3.8</td>
<td>3.6</td>
<td>3.3</td>
<td>3.9</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>52-70R</td>
<td>Asg</td>
<td>30.2</td>
<td>15</td>
<td>10.0</td>
<td>3.3</td>
<td>22.0</td>
<td>R</td>
<td>3.3</td>
<td>3.9</td>
<td>3.3</td>
<td>3.6</td>
<td>3.3</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Imp.Utah 52-70</td>
<td>Sto</td>
<td>29.1</td>
<td>12</td>
<td>10.6</td>
<td>3.2</td>
<td>23.0</td>
<td>R</td>
<td>3.5</td>
<td>3.9</td>
<td>3.3</td>
<td>3.1</td>
<td>3.4</td>
<td>4.3</td>
<td></td>
</tr>
<tr>
<td>Earlibelle</td>
<td>Key</td>
<td>26.0</td>
<td>21</td>
<td>10.1</td>
<td>3.2</td>
<td>23.3</td>
<td>R</td>
<td>5.0</td>
<td>3.8</td>
<td>3.5</td>
<td>3.5</td>
<td>4.1</td>
<td>3.3</td>
<td></td>
</tr>
<tr>
<td>Florimart</td>
<td>Sto</td>
<td>35.7</td>
<td>21</td>
<td>10.5</td>
<td>3.3</td>
<td>22.0</td>
<td>R</td>
<td>3.3</td>
<td>3.9</td>
<td>3.7</td>
<td>3.4</td>
<td>3.7</td>
<td>4.3</td>
<td></td>
</tr>
<tr>
<td>Tall Processor</td>
<td>Key</td>
<td>29.7</td>
<td>16</td>
<td>12.5</td>
<td>2.9</td>
<td>23.3</td>
<td>R</td>
<td>4.1</td>
<td>4.0</td>
<td>3.7</td>
<td>4.2</td>
<td>3.8</td>
<td>3.3</td>
<td></td>
</tr>
<tr>
<td>52-70R Improved</td>
<td>Key</td>
<td>28.2</td>
<td>19</td>
<td>10.0</td>
<td>3.0</td>
<td>22.0</td>
<td>R</td>
<td>4.0</td>
<td>3.7</td>
<td>3.2</td>
<td>3.1</td>
<td>3.9</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Surepak</td>
<td>FM</td>
<td>36.6</td>
<td>24</td>
<td>12.5</td>
<td>3.0</td>
<td>24.7</td>
<td>R</td>
<td>3.7</td>
<td>4.0</td>
<td>3.4</td>
<td>4.0</td>
<td>3.9</td>
<td>3.3</td>
<td></td>
</tr>
<tr>
<td>52-70R Strain Imp.</td>
<td>Key</td>
<td>30.0</td>
<td>23</td>
<td>10.1</td>
<td>3.2</td>
<td>22.6</td>
<td>R</td>
<td>3.6</td>
<td>4.0</td>
<td>3.7</td>
<td>3.2</td>
<td>3.7</td>
<td>4.0</td>
<td></td>
</tr>
<tr>
<td>8191</td>
<td>FM</td>
<td>38.5</td>
<td>20</td>
<td>10.3</td>
<td>3.1</td>
<td>24.3</td>
<td>M</td>
<td>3.6</td>
<td>4.0</td>
<td>3.8</td>
<td>3.9</td>
<td>3.7</td>
<td>4.0</td>
<td></td>
</tr>
<tr>
<td>Beacon</td>
<td>Key</td>
<td>22.0</td>
<td>19</td>
<td>9.0</td>
<td>3.3</td>
<td>20.6</td>
<td>M</td>
<td>3.6</td>
<td>3.9</td>
<td>3.7</td>
<td>3.0</td>
<td>3.2</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Junebelle</td>
<td>Key</td>
<td>29.9</td>
<td>36</td>
<td>10.0</td>
<td>3.4</td>
<td>23.3</td>
<td>R</td>
<td>3.0</td>
<td>4.0</td>
<td>3.4</td>
<td>3.4</td>
<td>3.8</td>
<td>3.0</td>
<td></td>
</tr>
</tbody>
</table>

Notes: Seeded in greenhouse March 11. Transplanted to flats April 1. Transplanted to field May 10, in single rows 23" apart, in-row spacing 7", replicated 4 times. The average low temp. for May was 5°C and the high 15°C. On May 12, the ground temp. dropped to -1°C and on May 13 to -5°C, however, no seed stalks developed. 1st harvest on July 27, replication 1. The other replications were harvested on Aug.4, 9, & 24. "Yellow leaves" is the degree of loss of green color on the outer leaves as the plant grows older. Ribbing:  R = Rough  M = Medium  S = Smooth
## LATE CELERY VARIETY TRIAL - 1976

<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Nett Yield</th>
<th>% Trim Loss</th>
<th>Ave. Petiole Length</th>
<th>Ave. Shalk Width</th>
<th>Total Length</th>
<th>Int. Sucker Growth</th>
<th>Crispness</th>
<th>Stringy</th>
<th>Compactness</th>
<th>Boron Deficiency</th>
<th>Yellow Leaves</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida 213</td>
<td>Key.</td>
<td>63.0</td>
<td>14</td>
<td>10.5</td>
<td>3.8</td>
<td>21.0</td>
<td>4.1</td>
<td>3.7</td>
<td>3.2</td>
<td>3.2</td>
<td>4.7</td>
<td>3.2</td>
</tr>
<tr>
<td>3036</td>
<td>F.M.</td>
<td>59.3</td>
<td>20</td>
<td>11.0</td>
<td>3.8</td>
<td>21.3</td>
<td>3.0</td>
<td>4.0</td>
<td>4.0</td>
<td>3.8</td>
<td>5.0</td>
<td>3.1</td>
</tr>
<tr>
<td>Surepak</td>
<td>F.M.</td>
<td>58.2</td>
<td>6</td>
<td>12.0</td>
<td>4.1</td>
<td>21.0</td>
<td>4.0</td>
<td>4.0</td>
<td>4.0</td>
<td>3.2</td>
<td>4.7</td>
<td>4.1</td>
</tr>
<tr>
<td>H 28</td>
<td>Har.</td>
<td>57.5</td>
<td>17</td>
<td>10.5</td>
<td>4.2</td>
<td>23.2</td>
<td>4.0</td>
<td>3.8</td>
<td>3.9</td>
<td>3.9</td>
<td>3.9</td>
<td>3.7</td>
</tr>
<tr>
<td>Calmarino</td>
<td>Nia.</td>
<td>55.6</td>
<td>17</td>
<td>10.0</td>
<td>3.8</td>
<td>22.0</td>
<td>3.5</td>
<td>3.8</td>
<td>3.4</td>
<td>3.7</td>
<td>4.2</td>
<td>3.3</td>
</tr>
<tr>
<td>Florida 214</td>
<td>Key.</td>
<td>54.0</td>
<td>24</td>
<td>10.0</td>
<td>3.5</td>
<td>20.3</td>
<td>3.9</td>
<td>4.0</td>
<td>4.0</td>
<td>3.6</td>
<td>4.7</td>
<td>3.4</td>
</tr>
<tr>
<td>Florida 683</td>
<td>Key.</td>
<td>53.2</td>
<td>13</td>
<td>9.8</td>
<td>4.0</td>
<td>21.9</td>
<td>3.6</td>
<td>3.3</td>
<td>3.0</td>
<td>3.3</td>
<td>5.0</td>
<td>3.2</td>
</tr>
<tr>
<td>Florimart</td>
<td>Sto.</td>
<td>53.1</td>
<td>18</td>
<td>11.8</td>
<td>4.3</td>
<td>19.7</td>
<td>3.9</td>
<td>3.8</td>
<td>3.5</td>
<td>3.3</td>
<td>3.1</td>
<td>3.8</td>
</tr>
<tr>
<td>Junebelle</td>
<td>Key.</td>
<td>52.9</td>
<td>18</td>
<td>10.3</td>
<td>4.0</td>
<td>20.8</td>
<td>3.6</td>
<td>3.8</td>
<td>3.9</td>
<td>4.1</td>
<td>5.0</td>
<td>2.9</td>
</tr>
<tr>
<td>52-70 H Imp.</td>
<td>Key.</td>
<td>52.7</td>
<td>14</td>
<td>9.5</td>
<td>3.9</td>
<td>21.3</td>
<td>3.2</td>
<td>4.0</td>
<td>3.7</td>
<td>3.7</td>
<td>4.7</td>
<td>3.2</td>
</tr>
<tr>
<td>Florida 683</td>
<td>Asg.</td>
<td>51.5</td>
<td>13</td>
<td>9.5</td>
<td>3.7</td>
<td>21.9</td>
<td>3.6</td>
<td>3.3</td>
<td>3.0</td>
<td>3.3</td>
<td>5.0</td>
<td>3.2</td>
</tr>
<tr>
<td>Imp. Utah 52-70</td>
<td>Sto.</td>
<td>50.7</td>
<td>19</td>
<td>11.0</td>
<td>3.8</td>
<td>21.0</td>
<td>3.7</td>
<td>4.2</td>
<td>4.1</td>
<td>3.7</td>
<td>4.3</td>
<td>3.3</td>
</tr>
<tr>
<td>Tall Processor</td>
<td>Key.</td>
<td>50.1</td>
<td>21</td>
<td>12.9</td>
<td>3.8</td>
<td>21.6</td>
<td>3.7</td>
<td>4.0</td>
<td>3.8</td>
<td>3.8</td>
<td>5.0</td>
<td>3.5</td>
</tr>
<tr>
<td>Earlybelle</td>
<td>Key.</td>
<td>50.0</td>
<td>17</td>
<td>9.0</td>
<td>3.8</td>
<td>21.0</td>
<td>3.4</td>
<td>3.6</td>
<td>3.1</td>
<td>3.2</td>
<td>3.9</td>
<td>3.2</td>
</tr>
<tr>
<td>Tall Utah 52-70 R Imp.</td>
<td>F.M.</td>
<td>49.7</td>
<td>19</td>
<td>10.5</td>
<td>3.7</td>
<td>22.0</td>
<td>4.0</td>
<td>4.0</td>
<td>3.5</td>
<td>3.8</td>
<td>4.4</td>
<td>3.5</td>
</tr>
<tr>
<td>8190</td>
<td>F.M.</td>
<td>48.4</td>
<td>21</td>
<td>11.0</td>
<td>3.4</td>
<td>23.0</td>
<td>3.3</td>
<td>4.1</td>
<td>3.8</td>
<td>4.2</td>
<td>5.0</td>
<td>3.6</td>
</tr>
<tr>
<td>Utah 52-70 R</td>
<td>Asg.</td>
<td>47.6</td>
<td>15</td>
<td>10.0</td>
<td>3.6</td>
<td>20.3</td>
<td>4.1</td>
<td>4.1</td>
<td>3.7</td>
<td>3.8</td>
<td>5.9</td>
<td>3.3</td>
</tr>
<tr>
<td>Processor 34</td>
<td>Key.</td>
<td>47.2</td>
<td>22</td>
<td>10.3</td>
<td>3.4</td>
<td>21.7</td>
<td>4.0</td>
<td>4.1</td>
<td>3.7</td>
<td>3.8</td>
<td>4.3</td>
<td>3.7</td>
</tr>
<tr>
<td>H 26</td>
<td>Har.</td>
<td>46.6</td>
<td>17</td>
<td>10.8</td>
<td>3.5</td>
<td>21.7</td>
<td>3.8</td>
<td>4.0</td>
<td>3.6</td>
<td>3.9</td>
<td>4.2</td>
<td>3.7</td>
</tr>
<tr>
<td>Clean Cut</td>
<td>Har.</td>
<td>45.9</td>
<td>17</td>
<td>11.8</td>
<td>3.3</td>
<td>22.7</td>
<td>3.7</td>
<td>4.0</td>
<td>3.5</td>
<td>4.0</td>
<td>4.1</td>
<td>3.7</td>
</tr>
<tr>
<td>XP 74</td>
<td>Asg.</td>
<td>43.2</td>
<td>20</td>
<td>10.8</td>
<td>3.3</td>
<td>22.7</td>
<td>3.6</td>
<td>3.9</td>
<td>3.5</td>
<td>3.1</td>
<td>4.3</td>
<td>3.4</td>
</tr>
<tr>
<td>Beacon</td>
<td>Key.</td>
<td>42.7</td>
<td>21</td>
<td>9.0</td>
<td>3.6</td>
<td>19.1</td>
<td>3.8</td>
<td>4.0</td>
<td>3.2</td>
<td>3.2</td>
<td>5.0</td>
<td>4.2</td>
</tr>
<tr>
<td>52-70 R Strain Imp.</td>
<td>Key.</td>
<td>42.4</td>
<td>20</td>
<td>9.8</td>
<td>3.2</td>
<td>21.0</td>
<td>3.6</td>
<td>3.6</td>
<td>3.0</td>
<td>3.7</td>
<td>4.2</td>
<td>3.3</td>
</tr>
<tr>
<td>52-70 K Strain</td>
<td>Key.</td>
<td>41.7</td>
<td>16</td>
<td>10.8</td>
<td>3.3</td>
<td>22.3</td>
<td>3.7</td>
<td>3.9</td>
<td>3.7</td>
<td>3.8</td>
<td>4.8</td>
<td>3.3</td>
</tr>
<tr>
<td>8191</td>
<td>F.M.</td>
<td>41.4</td>
<td>19</td>
<td>9.0</td>
<td>3.1</td>
<td>20.0</td>
<td>3.5</td>
<td>4.1</td>
<td>3.8</td>
<td>3.4</td>
<td>5.0</td>
<td>4.0</td>
</tr>
<tr>
<td>Tender Crisp</td>
<td>Sto.</td>
<td>40.3</td>
<td>14</td>
<td>11.0</td>
<td>3.3</td>
<td>21.7</td>
<td>3.3</td>
<td>3.8</td>
<td>4.0</td>
<td>3.1</td>
<td>4.1</td>
<td>3.5</td>
</tr>
<tr>
<td>Florimart 19</td>
<td>Key.</td>
<td>40.0</td>
<td>19</td>
<td>10.5</td>
<td>3.4</td>
<td>18.3</td>
<td>3.6</td>
<td>4.1</td>
<td>3.6</td>
<td>3.3</td>
<td>4.2</td>
<td>4.1</td>
</tr>
</tbody>
</table>

**Notes:** Direct seeded on May 14 and thinned to 7" spacing in rows 23" apart and replicated 2 times. Harvested September 28 to 30.  
5 = most desirable, 1 = least desirable.  
Yellow Leaves is the degree of loss of green color in the outer leaves as the plants mature.
<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Days to Harvest</th>
<th>% Marketable</th>
<th>Reason</th>
<th>Av Weight 18 heads (lbs)</th>
<th>Av Diam (inches)</th>
<th>% Tipburn</th>
<th>Bottom Rot</th>
<th>Firmness</th>
<th>Uniformity</th>
<th>Int. Stem Weight</th>
<th>Overall Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>XP 812</td>
<td>Agw</td>
<td>95</td>
<td>93</td>
<td>slime</td>
<td>43</td>
<td>6.5</td>
<td>0</td>
<td>3.6</td>
<td>4.0</td>
<td>3.8</td>
<td>3.8</td>
<td>3.6</td>
</tr>
<tr>
<td>Minette</td>
<td>P.M.</td>
<td>95</td>
<td>83</td>
<td>soft, rot, slime</td>
<td>38</td>
<td>5.8</td>
<td>0</td>
<td>3.5</td>
<td>4.5</td>
<td>3.9</td>
<td>3.6</td>
<td>3.4</td>
</tr>
<tr>
<td>Fulton</td>
<td>Asg</td>
<td>95</td>
<td>90</td>
<td>slime</td>
<td>41</td>
<td>6.4</td>
<td>0</td>
<td>3.4</td>
<td>3.9</td>
<td>3.8</td>
<td>4.1</td>
<td>3.3</td>
</tr>
<tr>
<td>Fairton</td>
<td>Key</td>
<td>97</td>
<td>80</td>
<td>soft, slime</td>
<td>39</td>
<td>6.3</td>
<td>0</td>
<td>3.8</td>
<td>3.6</td>
<td>3.8</td>
<td>4.2</td>
<td>3.1</td>
</tr>
<tr>
<td>Ithaca</td>
<td>Key</td>
<td>95</td>
<td>83</td>
<td>bot.rot, slime</td>
<td>36</td>
<td>6.0</td>
<td>0</td>
<td>3.2</td>
<td>3.6</td>
<td>3.6</td>
<td>3.9</td>
<td>2.8</td>
</tr>
<tr>
<td>Portage</td>
<td>Har</td>
<td>95</td>
<td>93</td>
<td>slime</td>
<td>43</td>
<td>6.6</td>
<td>15</td>
<td>3.6</td>
<td>3.9</td>
<td>3.9</td>
<td>3.9</td>
<td>2.8</td>
</tr>
<tr>
<td>Empire</td>
<td>Key</td>
<td>97</td>
<td>63</td>
<td>scft, slime</td>
<td>48</td>
<td>6.3</td>
<td>10</td>
<td>3.3</td>
<td>4.1</td>
<td>3.8</td>
<td>3.8</td>
<td>2.5</td>
</tr>
<tr>
<td>Oswego</td>
<td>Key</td>
<td>95</td>
<td>83</td>
<td>scft, slime</td>
<td>38</td>
<td>6.3</td>
<td>20</td>
<td>3.4</td>
<td>3.8</td>
<td>3.8</td>
<td>3.9</td>
<td>2.2</td>
</tr>
<tr>
<td>Minilake</td>
<td>Sto</td>
<td>95</td>
<td>73</td>
<td>scft, slime</td>
<td>39</td>
<td>6.3</td>
<td>20</td>
<td>3.4</td>
<td>3.9</td>
<td>3.9</td>
<td>3.9</td>
<td>2.0</td>
</tr>
<tr>
<td>Oasis</td>
<td>Asg</td>
<td>97</td>
<td>93</td>
<td>bot.rot, soft</td>
<td>38</td>
<td>6.3</td>
<td>40</td>
<td>3.7</td>
<td>3.2</td>
<td>3.8</td>
<td>3.8</td>
<td>1.6</td>
</tr>
<tr>
<td>XP 815</td>
<td>Agw</td>
<td>95</td>
<td>80</td>
<td>slime</td>
<td>45</td>
<td>6.6</td>
<td>20</td>
<td>3.2</td>
<td>3.3</td>
<td>3.6</td>
<td>2.8</td>
<td>1.4</td>
</tr>
<tr>
<td>Mesa 659</td>
<td>Key</td>
<td>97</td>
<td>97</td>
<td>slime</td>
<td>41</td>
<td>6.7</td>
<td>80</td>
<td>3.9</td>
<td>3.3</td>
<td>3.8</td>
<td>3.6</td>
<td>1.0</td>
</tr>
<tr>
<td>XP 811</td>
<td>Agw</td>
<td>97</td>
<td>68</td>
<td>soft, slime</td>
<td>42</td>
<td>6.4</td>
<td>46</td>
<td>3.4</td>
<td>3.3</td>
<td>3.8</td>
<td>2.8</td>
<td>1.0</td>
</tr>
<tr>
<td>XP 2037</td>
<td>Asg</td>
<td>No germination</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- Seeded March 25th in flats. Transplanted to field May 5th.
- Single rows replicated 4 times.
- Overall rate is the combination of scores for yield, weight, % tipburn and quality.
- 5 = most desirable
- 1 = least desirable
<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Days to Harvest</th>
<th>% Marketable</th>
<th>Reason Non-markable</th>
<th>Av. Weight 18 heads (lbs)</th>
<th>Av. Diam. (inches)</th>
<th>% Tipburn</th>
<th>Bottom Rot</th>
<th>Firmness</th>
<th>Uniformity</th>
<th>Int. Stem Length</th>
<th>Overall Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fairton</td>
<td>Key</td>
<td>64</td>
<td>97</td>
<td>soft</td>
<td>39</td>
<td>6.1</td>
<td>0</td>
<td>4.1</td>
<td>3.8</td>
<td>4.0</td>
<td>4.2</td>
<td>4.0</td>
</tr>
<tr>
<td>Ithaca</td>
<td>Key</td>
<td>64</td>
<td>100</td>
<td>soft</td>
<td>40</td>
<td>5.9</td>
<td>0</td>
<td>3.9</td>
<td>3.5</td>
<td>3.8</td>
<td>4.0</td>
<td>3.8</td>
</tr>
<tr>
<td>Fulton</td>
<td>Key</td>
<td>65</td>
<td>93</td>
<td>slime</td>
<td>41</td>
<td>6.2</td>
<td>0</td>
<td>3.9</td>
<td>4.1</td>
<td>3.8</td>
<td>4.0</td>
<td>3.7</td>
</tr>
<tr>
<td>Portage</td>
<td>Har</td>
<td>65</td>
<td>83</td>
<td>slime</td>
<td>38</td>
<td>6.1</td>
<td>0</td>
<td>3.8</td>
<td>4.0</td>
<td>4.0</td>
<td>4.0</td>
<td>3.7</td>
</tr>
<tr>
<td>Ithaca</td>
<td>Asg</td>
<td>65</td>
<td>97</td>
<td>slime</td>
<td>41</td>
<td>6.2</td>
<td>0</td>
<td>3.8</td>
<td>3.7</td>
<td>4.0</td>
<td>3.7</td>
<td>3.6</td>
</tr>
<tr>
<td>Ithaca</td>
<td>Har</td>
<td>65</td>
<td>97</td>
<td>slime</td>
<td>46</td>
<td>6.3</td>
<td>0</td>
<td>3.6</td>
<td>4.1</td>
<td>3.6</td>
<td>4.1</td>
<td>3.6</td>
</tr>
<tr>
<td>Mesa 659</td>
<td>Key</td>
<td>65</td>
<td>93</td>
<td>soft</td>
<td>38</td>
<td>5.9</td>
<td>0</td>
<td>3.8</td>
<td>3.1</td>
<td>3.5</td>
<td>3.7</td>
<td>3.5</td>
</tr>
<tr>
<td>Fulton</td>
<td>Asg</td>
<td>65</td>
<td>97</td>
<td>slime,bottom rot</td>
<td>37</td>
<td>6.0</td>
<td>0</td>
<td>3.4</td>
<td>3.6</td>
<td>3.6</td>
<td>4.0</td>
<td>3.8</td>
</tr>
<tr>
<td>Minilake</td>
<td>Sto</td>
<td>64</td>
<td>80</td>
<td>slime</td>
<td>36</td>
<td>6.1</td>
<td>0</td>
<td>4.0</td>
<td>3.6</td>
<td>4.0</td>
<td>4.1</td>
<td>3.4</td>
</tr>
<tr>
<td>Fairton</td>
<td>Har</td>
<td>65</td>
<td>93</td>
<td>soft</td>
<td>33</td>
<td>5.9</td>
<td>0</td>
<td>3.9</td>
<td>3.4</td>
<td>3.2</td>
<td>4.2</td>
<td>3.4</td>
</tr>
<tr>
<td>Great Lakes</td>
<td>Asg</td>
<td>65</td>
<td>100</td>
<td>soft</td>
<td>38</td>
<td>6.3</td>
<td>6</td>
<td>4.2</td>
<td>3.2</td>
<td>3.5</td>
<td>3.7</td>
<td>3.4</td>
</tr>
<tr>
<td>Minetto</td>
<td>Key</td>
<td>65</td>
<td>83</td>
<td>slime</td>
<td>35</td>
<td>5.8</td>
<td>0</td>
<td>3.7</td>
<td>4.0</td>
<td>4.1</td>
<td>3.9</td>
<td>3.2</td>
</tr>
<tr>
<td>Minetto</td>
<td>F.M.</td>
<td>64</td>
<td>87</td>
<td>slime</td>
<td>31</td>
<td>5.8</td>
<td>0</td>
<td>3.3</td>
<td>4.0</td>
<td>4.0</td>
<td>3.7</td>
<td>3.1</td>
</tr>
<tr>
<td>Oswego</td>
<td>Key</td>
<td>65</td>
<td>77</td>
<td>slime</td>
<td>33</td>
<td>6.1</td>
<td>7</td>
<td>3.6</td>
<td>3.9</td>
<td>3.8</td>
<td>3.9</td>
<td>2.8</td>
</tr>
<tr>
<td>Oasis</td>
<td>Asg</td>
<td>70</td>
<td>50</td>
<td>slime, no heads</td>
<td>40</td>
<td>6.0</td>
<td>0</td>
<td>4.0</td>
<td>4.0</td>
<td>3.0</td>
<td>4.0</td>
<td>2.8</td>
</tr>
</tbody>
</table>

Notes: - Seeded May 25th in single rows replicated 4 times.
- The overall rate is a combination of marks for yield, weight, % tipburn and quality.
<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Days to Harvest</th>
<th>% Mkb.</th>
<th>Reason Non-mkb.</th>
<th>Av. Wt. 18 Heads (lbs)</th>
<th>Av. Diam. (ins)</th>
<th>% Tipburn</th>
<th>Bottom Rot</th>
<th>Firmness</th>
<th>Uniformity</th>
<th>Int. Stem Length</th>
<th>Overall Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>E 4217</td>
<td>F.M.</td>
<td>65</td>
<td>100</td>
<td></td>
<td>6.3</td>
<td>0</td>
<td>4.3</td>
<td>3.3</td>
<td>3.7</td>
<td>2.0</td>
<td>3.3</td>
<td>3.3</td>
</tr>
<tr>
<td>XP 811</td>
<td>Agw.</td>
<td>71</td>
<td>100</td>
<td></td>
<td>6.1</td>
<td>0</td>
<td>4.0</td>
<td>3.0</td>
<td>3.3</td>
<td>3.3</td>
<td>3.3</td>
<td>3.2</td>
</tr>
<tr>
<td>Bellevarde</td>
<td>Key.</td>
<td>71</td>
<td>80</td>
<td>misformed</td>
<td>6.2</td>
<td>0</td>
<td>4.0</td>
<td>3.3</td>
<td>3.3</td>
<td>4.0</td>
<td>3.3</td>
<td>4.0</td>
</tr>
<tr>
<td>Forty-niner</td>
<td>Asg.</td>
<td>71</td>
<td>90</td>
<td>misformed</td>
<td>6.6</td>
<td>0</td>
<td>4.0</td>
<td>3.3</td>
<td>3.0</td>
<td>1.3</td>
<td>2.7</td>
<td>2.7</td>
</tr>
<tr>
<td>XP 812</td>
<td>Agw.</td>
<td>65</td>
<td>60</td>
<td>slime</td>
<td>6.0</td>
<td>0</td>
<td>3.7</td>
<td>4.3</td>
<td>4.0</td>
<td>3.7</td>
<td>3.7</td>
<td>2.7</td>
</tr>
<tr>
<td>GL R200-95 MC</td>
<td>Key.</td>
<td>71</td>
<td>70</td>
<td>no head</td>
<td>6.0</td>
<td>0</td>
<td>3.7</td>
<td>3.3</td>
<td>3.0</td>
<td>3.0</td>
<td>2.3</td>
<td>2.3</td>
</tr>
<tr>
<td>GL 118 MC</td>
<td>Key.</td>
<td>71</td>
<td>100</td>
<td></td>
<td>6.4</td>
<td>4.0</td>
<td>3.7</td>
<td>3.3</td>
<td>3.7</td>
<td>3.0</td>
<td>1.2</td>
<td>1.2</td>
</tr>
<tr>
<td>Monterey</td>
<td>Key.</td>
<td>71</td>
<td>40</td>
<td>slime</td>
<td>6.5</td>
<td>4.0</td>
<td>3.7</td>
<td>2.7</td>
<td>4.0</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>XP 815</td>
<td>Agw.</td>
<td>71</td>
<td>90</td>
<td>misshapen</td>
<td>6.8</td>
<td>4.0</td>
<td>3.7</td>
<td>3.7</td>
<td>3.7</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>E 4226</td>
<td>F.M.</td>
<td>71</td>
<td>70</td>
<td>misformed, no head</td>
<td>6.4</td>
<td>2.0</td>
<td>3.7</td>
<td>3.0</td>
<td>2.0</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Empire</td>
<td>Key.</td>
<td>71</td>
<td>80</td>
<td>slime</td>
<td>6.4</td>
<td>4.0</td>
<td>3.7</td>
<td>4.0</td>
<td>3.0</td>
<td>3.0</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>E 4224</td>
<td>F.M.</td>
<td>67</td>
<td>80</td>
<td>slime</td>
<td>6.2</td>
<td>6.0</td>
<td>4.0</td>
<td>3.7</td>
<td>3.3</td>
<td>2.0</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Pico Verde</td>
<td>Key.</td>
<td>71</td>
<td>40</td>
<td>slime</td>
<td>7.0</td>
<td>5.0</td>
<td>3.0</td>
<td>3.0</td>
<td>4.0</td>
<td>3.3</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Climax</td>
<td>Asg.</td>
<td>71</td>
<td>90</td>
<td>misformed</td>
<td>6.8</td>
<td>100</td>
<td>4.0</td>
<td>3.0</td>
<td>3.7</td>
<td>2.0</td>
<td>1.0</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**Notes:** One single row per variety was seeded on May 25.
### MID-SEASON HEAD LETTUCE VARIETY TRIAL - 1976

<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Days to Harvest</th>
<th>% Mkb.</th>
<th>Reason</th>
<th>Av. Wt. 18 Heads (lbs)</th>
<th>Av. Diam. (ins)</th>
<th>% Tipburn</th>
<th>Bottom Rot</th>
<th>Firmness</th>
<th>Uniformity</th>
<th>Int. Stem Length</th>
<th>Overall Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fulton</td>
<td>Key.</td>
<td>67</td>
<td>95</td>
<td>bot. rot</td>
<td>42</td>
<td>6.1</td>
<td>0</td>
<td>2.9</td>
<td>4.5</td>
<td>4.0</td>
<td>3.9</td>
<td>3.8</td>
</tr>
<tr>
<td>Ithaca</td>
<td>Key.</td>
<td>67</td>
<td>90</td>
<td></td>
<td>50</td>
<td>6.2</td>
<td>0</td>
<td>3.7</td>
<td>4.4</td>
<td>4.2</td>
<td>3.9</td>
<td>3.7</td>
</tr>
<tr>
<td>Ithaca</td>
<td>Har.</td>
<td>67</td>
<td>95</td>
<td>small</td>
<td>48</td>
<td>6.3</td>
<td>0</td>
<td>3.5</td>
<td>3.4</td>
<td>3.5</td>
<td>3.7</td>
<td>3.5</td>
</tr>
<tr>
<td>Minetto</td>
<td>Key.</td>
<td>67</td>
<td>95</td>
<td>slime</td>
<td>35</td>
<td>5.7</td>
<td>0</td>
<td>3.4</td>
<td>4.4</td>
<td>4.3</td>
<td>3.5</td>
<td>3.4</td>
</tr>
<tr>
<td>Fulton</td>
<td>Key.</td>
<td>67</td>
<td>80</td>
<td>slime</td>
<td>43</td>
<td>6.2</td>
<td>0</td>
<td>3.9</td>
<td>4.4</td>
<td>4.0</td>
<td>3.9</td>
<td>3.3</td>
</tr>
<tr>
<td>Minilake</td>
<td>Sto.</td>
<td>67</td>
<td>95</td>
<td>slime</td>
<td>41</td>
<td>6.2</td>
<td>10</td>
<td>4.2</td>
<td>3.9</td>
<td>3.7</td>
<td>4.2</td>
<td>3.2</td>
</tr>
<tr>
<td>Ithaca</td>
<td>Asg.</td>
<td>67</td>
<td>90</td>
<td>slime</td>
<td>50</td>
<td>6.2</td>
<td>0</td>
<td>4.0</td>
<td>3.5</td>
<td>3.7</td>
<td>3.5</td>
<td>3.2</td>
</tr>
<tr>
<td>Fairton</td>
<td>Har.</td>
<td>67</td>
<td>95</td>
<td>slime</td>
<td>32</td>
<td>5.8</td>
<td>0</td>
<td>4.0</td>
<td>2.5</td>
<td>3.2</td>
<td>4.3</td>
<td>3.0</td>
</tr>
<tr>
<td>Fairton</td>
<td>Key.</td>
<td>67</td>
<td>80</td>
<td>soft, slime</td>
<td>43</td>
<td>6.3</td>
<td>0</td>
<td>3.7</td>
<td>3.5</td>
<td>2.7</td>
<td>4.0</td>
<td>2.7</td>
</tr>
<tr>
<td>Oswego</td>
<td>Key.</td>
<td>67</td>
<td>85</td>
<td>slime, soft</td>
<td>45</td>
<td>6.4</td>
<td>23</td>
<td>3.9</td>
<td>4.0</td>
<td>3.9</td>
<td>3.9</td>
<td>2.4</td>
</tr>
<tr>
<td>Climax</td>
<td>Asg.</td>
<td>67</td>
<td>90</td>
<td></td>
<td>35</td>
<td>5.6</td>
<td>70</td>
<td>4.3</td>
<td>2.0</td>
<td>3.7</td>
<td>3.3</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**Notes:** Seeded June 18, replicated 4 times, harvested at 3-day intervals.
| Variety     | Source | Days to Harvest | % Mktble | Reason non-mktble | Avg. Weight 18 heads (lbs) | Av. Dim. (inches) | % Tipburn | Bot. Rot | Firmness | Uniformity | Int. Stem length | Overall Rate |
|-------------|--------|----------------|----------|-------------------|--------------------------|-------------------|-----------|----------|---------|-----------|-------------|----------------|--------------|
| Ithaca      | Har    | 69             | 100      |                   | 52                      | 6.4               | 0         | 3.8      | 4.1     | 4.2       | 4.0         | 4.0           |              |
| Portage     | Har    | 66             | 100      |                   | 44                      | 6.3               | 0         | 4.1      | 3.9     | 4.0       | 4.0         | 4.0           |              |
| Fairton     | Har    | 72             | 93       |                   | 45                      | 6.0               | 0         | 3.3      | 4.3     | 4.2       | 4.2         | 4.0           |              |
| Oswego      | Key    | 66             | 93       | soft              | 40                      | 6.3               | 0         | 3.7      | 3.9     | 4.1       | 4.1         | 4.0           |              |
| Great Lakes | Asg    | 69             | 93       |                   | 45                      | 6.2               | 0         | 3.8      | 3.8     | 4.0       | 3.8         | 3.9           |              |
| Ithaca      | Key    | 65             | 93       | soft              | 39                      | 6.1               | 0         | 3.3      | 3.3     | 4.1       | 4.1         | 3.7           |              |
| Mesa 659    | Key    | 69             | 100      |                   | 43                      | 6.1               | 7         | 4.0      | 3.5     | 3.8       | 4.0         | 3.6           |              |
| XP 812      | Agw    | 66             | 90       | bot. rot          | 45                      | 6.3               | 0         | 3.5      | 4.1     | 4.0       | 3.9         | 3.6           |              |
| Fulton      | Asg    | 66             | 90       | soft, bot. rot    | 40                      | 6.3               | 0         | 3.0      | 3.9     | 3.9       | 4.0         | 3.5           |              |
| Minetto     | F.M.   | 66             | 93       | soft, bot. rot    | 35                      | 6.2               | 0         | 3.8      | 3.6     | 3.7       | 3.7         | 3.5           |              |
| XP 815      | Agw    | 69             | 97       | soft              | 55                      | 6.8               | 0         | 3.9      | 3.3     | 3.8       | 2.9         | 3.5           |              |
| Ithaca      | Asg    | 66             | 90       | soft, bot. rot    | 41                      | 6.1               | 0         | 3.8      | 3.1     | 3.9       | 3.8         | 3.4           |              |
| E4217       | F.M.   | 66             | 90       | soft              | 43                      | 6.3               | 0         | 3.9      | 3.4     | 3.7       | 3.7         | 3.4           |              |
| Minetto     | Key    | 66             | 87       | bot. rot          | 35                      | 6.2               | 0         | 3.1      | 3.9     | 4.2       | 3.8         | 3.3           |              |
| XP 811      | Agw    | 69             | 90       | soft              | 45                      | 6.5               | 0         | 4.1      | 3.0     | 4.0       | 3.1         | 3.3           |              |
| GL R200-95  | Key    | 71             | 93       | soft              | 46                      | 6.2               | 13        | 4.0      | 3.5     | 3.6       | 3.7         | 3.2           |              |
| Fulton      | Key    | 68             | 83       | soft, slime, rot  | 40                      | 6.2               | 0         | 3.5      | 4.1     | 3.9       | 4.0         | 3.1           |              |
| Fairton     | Key    | 69             | 97       | soft              | 40                      | 6.2               | 20        | 3.7      | 4.0     | 4.2       | 4.1         | 3.0           |              |
| Minilake    | Sto    | 66             | 90       | slime, bot. rot   | 41                      | 6.4               | 7         | 3.6      | 3.8     | 3.8       | 3.8         | 3.0           |              |
| Oasis       | Asg    | 72             | 75       | soft, slime       | 43                      | 6.3               | 0         | 3.8      | 3.5     | 3.6       | 4.1         | 3.0           |              |
| Empire      | Key    | 71             | 87       | soft              | 44                      | 6.5               | 20        | 3.9      | 3.3     | 3.3       | 3.8         | 2.3           |              |
| Monterey    | Key    | 73             | 100      |                   | 43                      | 6.6               | 20        | 3.9      | 3.4     | 3.5       | 2.0         | 2.2           |              |
| GL 118      | Key    | 72             | 77       | soft              | 43                      | 6.1               | 20        | 4.0      | 3.2     | 3.6       | 3.4         | 2.1           |              |
| Forty-niner | Asg    | 74             | 65       | soft, slime       | 40                      | 6.7               | 40        | 3.5      | 3.0     | 3.7       | 3.0         | 1.0           |              |
| Climax      | Asg    | 74             | 74       | soft, slime, t. burn | 49                     | 7.0               | 100       | 3.4      | 3.2     | 3.9       | 1.7         | 1.0           |              |
| Die Verde   | Key    | 71             | 30       | slime             | 42                      | 6.4               | 50        | 3.2      | 3.4     | 3.9       | 3.8         | 1.0           |              |
| Bellaverde  | Key    | 71             | 85       | soft, slime       | 50                      | 6.1               | 60        | 3.9      | 3.7     | 3.7       | 3.5         | 1.0           |              |
| E426        | F.M.   | 74             | 70       | slime, soft       | 40                      | 6.5               | 80        | 3.7      | 2.5     | 3.7       | 1.2         | 1.0           |              |
| E4224       | F.M.   | 73             | 56       | b. rot, soft, slime | 39                     | 6.1               | 73        | 3.8      | 2.9     | 3.3       | 2.1         | 1.0           |              |

Notes: Seeded July 2 in single rows rep. 4 times. Overall rate: Averate of the last 4 columns and taking into consideration % mktble, presence of slime, whether wt. of 18 hds. is below 38 lbs. and % of tipburn.
<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>% Weight into Storage</th>
<th>% Total Weight June 29/76</th>
<th>% Weight Mckble</th>
<th>% Weight soft</th>
<th>% Weight Firm</th>
<th>% Total firm weight</th>
<th>% Weight sprout</th>
<th>% Weight Rot</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage King</td>
<td>Sto</td>
<td>100</td>
<td>93</td>
<td>61</td>
<td>21</td>
<td>82</td>
<td>11</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Exporter</td>
<td>Sto</td>
<td>100</td>
<td>94</td>
<td>51</td>
<td>24</td>
<td>75</td>
<td>19</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Sunburst</td>
<td>Asg</td>
<td>100</td>
<td>93</td>
<td>50</td>
<td>21</td>
<td>71</td>
<td>22</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Spartan Era</td>
<td>Sto</td>
<td>100</td>
<td>91</td>
<td>44</td>
<td>25</td>
<td>69</td>
<td>22</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Rocket</td>
<td>Asg</td>
<td>100</td>
<td>93</td>
<td>45</td>
<td>24</td>
<td>69</td>
<td>24</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Fawn Preview</td>
<td>F.M.</td>
<td>100</td>
<td>93</td>
<td>39</td>
<td>27</td>
<td>66</td>
<td>27</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Nutmeg</td>
<td>Har</td>
<td>100</td>
<td>90</td>
<td>46</td>
<td>19</td>
<td>65</td>
<td>25</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Trepp's #8</td>
<td>Trp</td>
<td>100</td>
<td>92</td>
<td>51</td>
<td>13</td>
<td>64</td>
<td>28</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Gladiators</td>
<td>Key</td>
<td>100</td>
<td>90</td>
<td>53</td>
<td>11</td>
<td>64</td>
<td>26</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Mustang</td>
<td>Har</td>
<td>100</td>
<td>91</td>
<td>43</td>
<td>18</td>
<td>61</td>
<td>30</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Buccaneer</td>
<td>Har</td>
<td>100</td>
<td>93</td>
<td>34</td>
<td>24</td>
<td>58</td>
<td>35</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Canada Maple</td>
<td>Sto</td>
<td>100</td>
<td>84</td>
<td>37</td>
<td>19</td>
<td>56</td>
<td>28</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Trapp's #6</td>
<td>Trp</td>
<td>100</td>
<td>85</td>
<td>43</td>
<td>12</td>
<td>55</td>
<td>30</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Ontario L</td>
<td>Asg</td>
<td>100</td>
<td>83</td>
<td>42</td>
<td>11</td>
<td>53</td>
<td>30</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Autumn Spice</td>
<td>Sto</td>
<td>100</td>
<td>91</td>
<td>36</td>
<td>10</td>
<td>46</td>
<td>45</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Prospector</td>
<td>Agw</td>
<td>100</td>
<td>90</td>
<td>45</td>
<td>0</td>
<td>45</td>
<td>45</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Garnet</td>
<td>Asg</td>
<td>100</td>
<td>92</td>
<td>29</td>
<td>8</td>
<td>37</td>
<td>53</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Mucker</td>
<td>Des</td>
<td>100</td>
<td>92</td>
<td>21</td>
<td>11</td>
<td>32</td>
<td>60</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Simcoe</td>
<td>Des</td>
<td>100</td>
<td>88</td>
<td>22</td>
<td>8</td>
<td>30</td>
<td>58</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Pronto S</td>
<td>Asg</td>
<td>100</td>
<td>87</td>
<td>22</td>
<td>0</td>
<td>22</td>
<td>65</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

Note: These varieties were stored in a dry, common storage until April 1976, then moved to a refrigerated storage. No MH-30 was used before harvest and no sprout inhibitor during storage.

The temperature was kept as close as possible to 0°C. On June 29, 1976, they were judged for loss of weight, firmness, sprouting and % marketable.
<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>#</th>
<th>Yield B/A</th>
<th>Days to Maturity</th>
<th>Firmness</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>LTA 1969-75</td>
<td>LTA 1976</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mucker</td>
<td>Des.</td>
<td>2</td>
<td>1135</td>
<td>110 E</td>
<td>4-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>812</td>
<td>112</td>
<td></td>
</tr>
<tr>
<td>Gladiator</td>
<td>Key.</td>
<td>7</td>
<td>1129</td>
<td>116 L</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>818</td>
<td>123</td>
<td></td>
</tr>
<tr>
<td>XP 45</td>
<td>Asg.</td>
<td>2</td>
<td>1126</td>
<td>106 E</td>
<td>4-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>511</td>
<td>112</td>
<td></td>
</tr>
<tr>
<td>Summit</td>
<td>Har.</td>
<td>3</td>
<td>1114</td>
<td>122 L</td>
<td>3+</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Spartan Era</td>
<td>Key.</td>
<td>5</td>
<td>1068</td>
<td>117 L</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>607</td>
<td>116</td>
<td></td>
</tr>
<tr>
<td>Bronze Age</td>
<td>F.M.</td>
<td>3</td>
<td>1067</td>
<td>119 L</td>
<td>3+</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>724</td>
<td>126</td>
<td></td>
</tr>
<tr>
<td>Northern Oak</td>
<td>Sto.</td>
<td>6</td>
<td>1012</td>
<td>118 L</td>
<td>3+</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>648</td>
<td>130</td>
<td></td>
</tr>
<tr>
<td>Exporter</td>
<td>Sto.</td>
<td>7</td>
<td>995</td>
<td>114</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>692</td>
<td>118</td>
<td></td>
</tr>
<tr>
<td>Trapp #8</td>
<td>Trp.</td>
<td>4</td>
<td>965</td>
<td>111</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>668</td>
<td>116</td>
<td></td>
</tr>
<tr>
<td>Ontario L</td>
<td>Asg.</td>
<td>5</td>
<td>961</td>
<td>112</td>
<td>4-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Storage King</td>
<td>Sto.</td>
<td>3</td>
<td>918</td>
<td>114</td>
<td>4-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>672</td>
<td>112</td>
<td></td>
</tr>
<tr>
<td>Golden Laker</td>
<td>F.M.</td>
<td>4</td>
<td>927</td>
<td>113</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Garnet</td>
<td>Asg.</td>
<td>6</td>
<td>931</td>
<td>108</td>
<td>3+</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>672</td>
<td>112</td>
<td></td>
</tr>
<tr>
<td>Trapp #6</td>
<td>Trp.</td>
<td>6</td>
<td>929</td>
<td>110 E</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>657</td>
<td>111</td>
<td></td>
</tr>
<tr>
<td>Mustang</td>
<td>Har.</td>
<td>7</td>
<td>928</td>
<td>108</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>624</td>
<td>119</td>
<td></td>
</tr>
<tr>
<td>Nutmeg</td>
<td>Har.</td>
<td>5</td>
<td>928</td>
<td>109 E</td>
<td>4+</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>730</td>
<td>115</td>
<td></td>
</tr>
<tr>
<td>Canada Maple</td>
<td>Sto.</td>
<td>7</td>
<td>924</td>
<td>112</td>
<td>4+</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>707</td>
<td>123</td>
<td></td>
</tr>
<tr>
<td>Rocket</td>
<td>Asg.</td>
<td>7</td>
<td>916</td>
<td>107</td>
<td>4-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>742</td>
<td>114</td>
<td></td>
</tr>
<tr>
<td>Copper Cache</td>
<td>F.M.</td>
<td>3</td>
<td>880</td>
<td>111</td>
<td>4-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>641</td>
<td>115</td>
<td></td>
</tr>
<tr>
<td>Fawn Preview</td>
<td>F.M.</td>
<td>4</td>
<td>876</td>
<td>109 E</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>680</td>
<td>114</td>
<td></td>
</tr>
<tr>
<td>Buccaneer</td>
<td>Har.</td>
<td>7</td>
<td>875</td>
<td>109 E</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>523</td>
<td>110</td>
<td></td>
</tr>
<tr>
<td>Mack Master</td>
<td>Twl.</td>
<td>3</td>
<td>866</td>
<td>109 E</td>
<td>4+</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Paydirt</td>
<td>N.K.</td>
<td>3</td>
<td>847</td>
<td>121 E</td>
<td>4+</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Ace Globe</td>
<td>Twl.</td>
<td>2</td>
<td>839</td>
<td>109 E</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Pronto S</td>
<td>Asg.</td>
<td>3</td>
<td>824</td>
<td>106 E</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>620</td>
<td>109</td>
<td></td>
</tr>
<tr>
<td>XP 75</td>
<td>Asg.</td>
<td>4</td>
<td>818</td>
<td>106 E</td>
<td>4-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>564</td>
<td>112</td>
<td></td>
</tr>
<tr>
<td>Harvestmore</td>
<td>Har.</td>
<td>2</td>
<td>792</td>
<td>117 L</td>
<td>3+</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>610</td>
<td>123</td>
<td></td>
</tr>
<tr>
<td>Sunburst</td>
<td>Asg.</td>
<td>6</td>
<td>788</td>
<td>111</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>595</td>
<td>117</td>
<td></td>
</tr>
<tr>
<td>Imp. Autumn Spice</td>
<td>Sto.</td>
<td>5</td>
<td>760</td>
<td>109 E</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>446</td>
<td>121</td>
<td></td>
</tr>
<tr>
<td>Simcoe</td>
<td>Des.</td>
<td>2</td>
<td>745</td>
<td>101 E</td>
<td>4+</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>554</td>
<td>109</td>
<td></td>
</tr>
<tr>
<td>Autumn Spice</td>
<td>Asg.</td>
<td>7</td>
<td>727</td>
<td>106 E</td>
<td>4+</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>611</td>
<td>109</td>
<td></td>
</tr>
<tr>
<td>Canada Granite</td>
<td>Sto.</td>
<td>3</td>
<td>717</td>
<td>116 L</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>621</td>
<td>129</td>
<td></td>
</tr>
<tr>
<td>Autumn Bronze</td>
<td>F.M.</td>
<td>2</td>
<td>713</td>
<td>115</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Super Spice</td>
<td>Sto.</td>
<td>3</td>
<td>678</td>
<td>105 E</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>523</td>
<td>109</td>
<td></td>
</tr>
<tr>
<td>Variety</td>
<td>Source</td>
<td>Days to Maturity</td>
<td>Stand/foot</td>
<td>Yld. No. 1 Bag/Acre</td>
<td>Yld. No. 1 sm. Bag/Acre</td>
</tr>
<tr>
<td>----------------</td>
<td>---------</td>
<td>------------------</td>
<td>------------</td>
<td>--------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>Prente S</td>
<td>Asg.</td>
<td>109</td>
<td>5</td>
<td>620</td>
<td>36</td>
</tr>
<tr>
<td>Simcoe</td>
<td>Des.</td>
<td>109</td>
<td>5</td>
<td>554</td>
<td>50</td>
</tr>
<tr>
<td>Super Spice</td>
<td>Stc.</td>
<td>109</td>
<td>5</td>
<td>523</td>
<td>42</td>
</tr>
<tr>
<td>Aut. Spice</td>
<td>F.M.</td>
<td>109</td>
<td>6</td>
<td>611</td>
<td>48</td>
</tr>
<tr>
<td>Buccaneer</td>
<td>Har.</td>
<td>110</td>
<td>5</td>
<td>523</td>
<td>42</td>
</tr>
<tr>
<td>Trapp's #6</td>
<td>Trp.</td>
<td>111</td>
<td>5</td>
<td>637</td>
<td>31</td>
</tr>
<tr>
<td>Storage King</td>
<td>Stc.</td>
<td>112</td>
<td>5</td>
<td>672</td>
<td>25</td>
</tr>
<tr>
<td>Mucker</td>
<td>Des.</td>
<td>112</td>
<td>5</td>
<td>812</td>
<td>27</td>
</tr>
<tr>
<td>Garnet</td>
<td>Asg.</td>
<td>112</td>
<td>5</td>
<td>672</td>
<td>27</td>
</tr>
<tr>
<td>Fawn Preview</td>
<td>F.M.</td>
<td>114</td>
<td>5</td>
<td>680</td>
<td>26</td>
</tr>
<tr>
<td>Rocket</td>
<td>Asg.</td>
<td>114</td>
<td>7</td>
<td>742</td>
<td>59</td>
</tr>
<tr>
<td>Copper Cache</td>
<td>F.M.</td>
<td>115</td>
<td>5</td>
<td>641</td>
<td>42</td>
</tr>
<tr>
<td>Nutmeg</td>
<td>Har.</td>
<td>115</td>
<td>5</td>
<td>730</td>
<td>42</td>
</tr>
<tr>
<td>Trapp's #8</td>
<td>Trp.</td>
<td>116</td>
<td>5</td>
<td>668</td>
<td>15</td>
</tr>
<tr>
<td>Spartan Era</td>
<td>Key.</td>
<td>116</td>
<td>5</td>
<td>607</td>
<td>17</td>
</tr>
<tr>
<td>Sunburst</td>
<td>Asg.</td>
<td>117</td>
<td>6</td>
<td>595</td>
<td>27</td>
</tr>
<tr>
<td>Exporter</td>
<td>Stc.</td>
<td>118</td>
<td>5</td>
<td>692</td>
<td>19</td>
</tr>
<tr>
<td>Mustang</td>
<td>Har.</td>
<td>119</td>
<td>5</td>
<td>624</td>
<td>31</td>
</tr>
<tr>
<td>Canada Maple</td>
<td>Stc.</td>
<td>123</td>
<td>5</td>
<td>707</td>
<td>23</td>
</tr>
<tr>
<td>Gladiator</td>
<td>Key.</td>
<td>123</td>
<td>6</td>
<td>818</td>
<td>31</td>
</tr>
</tbody>
</table>

**NOTE:** These 20 varieties were seeded April 30 in plots of 3 rows, replicated 4 times. The overall yield is down due to a thin stand resulting in more doubles. Highest yield was produced by Gladiator, Mucker, Rocket, and Canada Maple. Highest scores were received by Mustang, Canada Maple, Nutmeg, Trapp's #8, Garnet, Trapp's #6, Super Spice and Autumn Spice.

Main Type of Culls:  D = Doubles  S = Sprouts  Rd = Red  U = Undersize  W = White  R = Rot
| Variety         | Source | Days to Maturity | Yld/#1/Bge | Yld/#.sm/Bge | Bags/Acre | Calls/Acre | Avg. wt/#1/Bge | Leng./#1 | Stand./ft. | Shape | Firmness | Size | Shape | Color | Skin Thickness | Slimming | Neck Finish | Score | Cost
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Topaz</td>
<td>Agg.</td>
<td>121</td>
<td>686</td>
<td>46</td>
<td>122</td>
<td>80</td>
<td>98</td>
<td>7</td>
<td>G</td>
<td>4</td>
<td>3+</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>3+</td>
<td>3-</td>
<td>4-</td>
<td>3.62</td>
</tr>
<tr>
<td>Ontario M</td>
<td>Agg.</td>
<td>121</td>
<td>682</td>
<td>65</td>
<td>206</td>
<td>72</td>
<td>113</td>
<td>7</td>
<td>G</td>
<td>3+</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>3+</td>
<td>4-</td>
<td>3.58</td>
<td>D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XP 23</td>
<td>Agg.</td>
<td>126</td>
<td>728</td>
<td>8</td>
<td>156</td>
<td>82</td>
<td>132</td>
<td>4</td>
<td>H</td>
<td>G</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>3+</td>
<td>4-</td>
<td>3.77</td>
<td>D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XP 45</td>
<td>Agg.</td>
<td>112</td>
<td>389</td>
<td>34</td>
<td>83</td>
<td>76</td>
<td>100</td>
<td>4</td>
<td>G</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>3+</td>
<td>4-</td>
<td>3.72</td>
<td>D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XP 37</td>
<td>Agg.</td>
<td>112</td>
<td>232</td>
<td>0</td>
<td>442</td>
<td>39</td>
<td>70</td>
<td>3</td>
<td>H</td>
<td>2+</td>
<td>3-</td>
<td>3-</td>
<td>3+</td>
<td>4-</td>
<td>4-</td>
<td>3.42</td>
<td>D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XP 75</td>
<td>Agg.</td>
<td>112</td>
<td>564</td>
<td>19</td>
<td>58</td>
<td>88</td>
<td>113</td>
<td>5</td>
<td>G</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>3+</td>
<td>4-</td>
<td>3.87</td>
<td>D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XP 28</td>
<td>Agg.</td>
<td>123</td>
<td>438</td>
<td>4</td>
<td>206</td>
<td>63</td>
<td>126</td>
<td>4</td>
<td>G</td>
<td>3</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>3+</td>
<td>3.60</td>
<td>D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XP 209</td>
<td>Agg.</td>
<td>126</td>
<td>346</td>
<td>0</td>
<td>176</td>
<td>66</td>
<td>159</td>
<td>2</td>
<td>H</td>
<td>4-</td>
<td>3+</td>
<td>3-</td>
<td>3+</td>
<td>4-</td>
<td>3+</td>
<td>3.48</td>
<td>D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XP 210</td>
<td>Agg.</td>
<td>126</td>
<td>351</td>
<td>7</td>
<td>282</td>
<td>55</td>
<td>124</td>
<td>4</td>
<td>G</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>3+</td>
<td>4-</td>
<td>3.77</td>
<td>D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XP 227</td>
<td>Agg.</td>
<td>126</td>
<td>778</td>
<td>0</td>
<td>351</td>
<td>69</td>
<td>156</td>
<td>5</td>
<td>G</td>
<td>2+</td>
<td>4-</td>
<td>3-</td>
<td>3-</td>
<td>3-</td>
<td>3-</td>
<td>3.34</td>
<td>DS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XP 264</td>
<td>Agg.</td>
<td>126</td>
<td>496</td>
<td>0</td>
<td>206</td>
<td>71</td>
<td>154</td>
<td>4</td>
<td>C</td>
<td>2+</td>
<td>4-</td>
<td>3-</td>
<td>3-</td>
<td>3-</td>
<td>3-</td>
<td>3.05</td>
<td>DS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XP 424</td>
<td>Agg.</td>
<td>126</td>
<td>316</td>
<td>7</td>
<td>69</td>
<td>82</td>
<td>168</td>
<td>2</td>
<td>H</td>
<td>2+</td>
<td>3+</td>
<td>3-</td>
<td>3-</td>
<td>3-</td>
<td>3-</td>
<td>3.29</td>
<td>DS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XP 428</td>
<td>Agg.</td>
<td>126</td>
<td>706</td>
<td>7</td>
<td>240</td>
<td>74</td>
<td>181</td>
<td>6</td>
<td>H</td>
<td>3-</td>
<td>3-</td>
<td>3-</td>
<td>3-</td>
<td>3-</td>
<td>3-</td>
<td>3.22</td>
<td>DS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spartan Banner</td>
<td>Key.</td>
<td>126</td>
<td>793</td>
<td>7</td>
<td>233</td>
<td>77</td>
<td>118</td>
<td>5</td>
<td>H</td>
<td>3-</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>3+</td>
<td>3+</td>
<td>3.72</td>
<td>DS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spartan Bounty</td>
<td>Key.</td>
<td>126</td>
<td>564</td>
<td>23</td>
<td>244</td>
<td>68</td>
<td>120</td>
<td>6</td>
<td>G</td>
<td>4</td>
<td>4-</td>
<td>3-</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>3.85</td>
<td>DS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Autumn Spreadsoup</td>
<td>Key.</td>
<td>117</td>
<td>541</td>
<td>46</td>
<td>156</td>
<td>73</td>
<td>101</td>
<td>6</td>
<td>G</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>3-</td>
<td>3-</td>
<td>3-</td>
<td>3.72</td>
<td>DS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gladiator</td>
<td>Key.</td>
<td>122</td>
<td>588</td>
<td>11</td>
<td>133</td>
<td>80</td>
<td>137</td>
<td>4</td>
<td>H</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>3-</td>
<td>3-</td>
<td>3-</td>
<td>3.62</td>
<td>DS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spartan Era</td>
<td>Key.</td>
<td>123</td>
<td>575</td>
<td>11</td>
<td>206</td>
<td>73</td>
<td>143</td>
<td>4</td>
<td>G</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>3-</td>
<td>3-</td>
<td>3-</td>
<td>3.78</td>
<td>D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Early Globe Yell</td>
<td>Key.</td>
<td>120</td>
<td>351</td>
<td>4</td>
<td>133</td>
<td>72</td>
<td>124</td>
<td>3</td>
<td>G</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>3.91</td>
<td>DSRd</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Festival</td>
<td>F.M.</td>
<td>119</td>
<td>519</td>
<td>18</td>
<td>80</td>
<td>84</td>
<td>96</td>
<td>5</td>
<td>G</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>3.72</td>
<td>D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bronze Age</td>
<td>F.M.</td>
<td>122</td>
<td>724</td>
<td>30</td>
<td>156</td>
<td>80</td>
<td>135</td>
<td>6</td>
<td>G</td>
<td>3+</td>
<td>3-</td>
<td>4-</td>
<td>4-</td>
<td>3+</td>
<td>3+</td>
<td>3.57</td>
<td>D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Golden Passport</td>
<td>F.M.</td>
<td>115</td>
<td>610</td>
<td>49</td>
<td>46</td>
<td>87</td>
<td>99</td>
<td>6</td>
<td>G</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>4-</td>
<td>3.91</td>
<td>D</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### ONION ADAPTATION TRIAL - 1976

<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Days to Maturity</th>
<th>Yld.#/Acre. Bags/acre</th>
<th>Yld.#/Acre. Bags/acre</th>
<th>Culls Bags/acre</th>
<th>Avgrt.#/Grn. Grn.</th>
<th>Stand./ft.</th>
<th>Shape</th>
<th>Firmness</th>
<th>Uniformity</th>
<th>Color</th>
<th>Skin Thickness</th>
<th>Skimming</th>
<th>Neck Finish</th>
<th>Score</th>
<th>Type Culls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prime Beauty</td>
<td>F.M.</td>
<td>126</td>
<td>529 15 164</td>
<td>75 113 5</td>
<td>G 4-</td>
<td>4- 4</td>
<td>4- 4 3+ 4 3.77</td>
<td>D</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explorer 2</td>
<td>F.M.</td>
<td>126</td>
<td>900 19 42</td>
<td>94 134 6</td>
<td>HG 4-</td>
<td>4- 4 3+ 4 3.67</td>
<td>DS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explorer 6</td>
<td>F.M.</td>
<td>122</td>
<td>442 7 92</td>
<td>82 113 4</td>
<td>HG 4-</td>
<td>4- 4 3+ 3.68</td>
<td>D</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X155G</td>
<td>F.M.</td>
<td>126</td>
<td>233 4 31</td>
<td>79 199 1</td>
<td>G 3-</td>
<td>4- 4 3- 3.77</td>
<td>D</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X20 SG</td>
<td>F.M.</td>
<td>126</td>
<td>526 0 160</td>
<td>77 196 3</td>
<td>HG 2+</td>
<td>3 3 3 4 2.98</td>
<td>DR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X21 SG</td>
<td>F.M.</td>
<td>122</td>
<td>537 4 8</td>
<td>98 160 3</td>
<td>HG 3</td>
<td>4 4 3 3.71</td>
<td>UR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X23 SG</td>
<td>F.M.</td>
<td>122</td>
<td>816 7 46</td>
<td>94 121 6</td>
<td>G 3-</td>
<td>4- 4- 4- 3.68</td>
<td>D</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X39 SG</td>
<td>F.M.</td>
<td>122</td>
<td>819 31 106</td>
<td>86 124 6</td>
<td>G 3</td>
<td>4- 4 3- 3.62</td>
<td>DU</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X42 SG</td>
<td>F.M.</td>
<td>122</td>
<td>892 15 49</td>
<td>93 130 6</td>
<td>G 4-</td>
<td>4- 4 3- 3.91</td>
<td>DSU</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X43 SG</td>
<td>F.M.</td>
<td>126</td>
<td>541 0 46</td>
<td>92 149 3</td>
<td>HG 3+</td>
<td>4- 4- 4- 3.51</td>
<td>DS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X15 W</td>
<td>F.M.</td>
<td>126</td>
<td>473 0 236</td>
<td>67 153 3</td>
<td>HG 3</td>
<td>4- 4- 4- 3.48</td>
<td>DS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X15 M</td>
<td>F.M.</td>
<td>122</td>
<td>934 0 122</td>
<td>88 126 6</td>
<td>HG 3+</td>
<td>4- 4- 4- 3.61</td>
<td>DS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X21 W</td>
<td>F.M.</td>
<td>112</td>
<td>648 11 42</td>
<td>92 124 5</td>
<td>G 4</td>
<td>4- 4 3- 3.77</td>
<td>DU</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X23 W</td>
<td>F.M.</td>
<td>109</td>
<td>625 7 80</td>
<td>88 122 5</td>
<td>G 4</td>
<td>4- 4 3- 3.72</td>
<td>DS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X25 M</td>
<td>F.M.</td>
<td>126</td>
<td>694 8 137</td>
<td>83 140 5</td>
<td>HG 3</td>
<td>4- 4- 4- 3.54</td>
<td>D</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X26 M</td>
<td>F.M.</td>
<td>126</td>
<td>610 0 160</td>
<td>79 175 3</td>
<td>HG 3-</td>
<td>4 4 3- 3- 2.30</td>
<td>SU</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X39 W</td>
<td>F.M.</td>
<td>119</td>
<td>869 19 107</td>
<td>87 138 6</td>
<td>G 3</td>
<td>4- 3- 3- 3.48</td>
<td>DS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X44 SG</td>
<td>F.M.</td>
<td>122</td>
<td>1041 4 68</td>
<td>94 136 6</td>
<td>HG 4-</td>
<td>4- 4- 4- 3.72</td>
<td>DS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X45 SG</td>
<td>F.M.</td>
<td>122</td>
<td>682 0 84</td>
<td>89 141 4</td>
<td>G 4</td>
<td>4- 4- 4- 3.82</td>
<td>D</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X53 SG</td>
<td>F.M.</td>
<td>122</td>
<td>930 19 88</td>
<td>90 117 7</td>
<td>HG 4</td>
<td>4- 4- 3- 3.81</td>
<td>D</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>X55 SG</td>
<td>F.M.</td>
<td>122</td>
<td>930 8 53</td>
<td>94 126 6</td>
<td>HG 3+</td>
<td>3 3 3 3- 3.27</td>
<td>DR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spartan Bounty</td>
<td>Har.</td>
<td>126</td>
<td>549 11 191</td>
<td>73 132 5</td>
<td>HG 4</td>
<td>4- 4 3- 3.57</td>
<td>D</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1646 Early Shipper</td>
<td>Har.</td>
<td>126</td>
<td>641 0 305</td>
<td>68 177 4</td>
<td>G 3</td>
<td>4- 4 3- 3.18</td>
<td>SU</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1599 America</td>
<td>Har.</td>
<td>126</td>
<td>400 11 225</td>
<td>63 110 4</td>
<td>G 4</td>
<td>4- 4- 4- 3.58</td>
<td>DRd.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1426</td>
<td>Har.</td>
<td>119</td>
<td>488 11 221</td>
<td>68 145 4</td>
<td>G 4</td>
<td>4- 4- 3- 3.52</td>
<td>D</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1956</td>
<td>Har.</td>
<td>116</td>
<td>808 8 148</td>
<td>84 137 5</td>
<td>G 4</td>
<td>4- 4- 3- 3.45</td>
<td>D</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5556</td>
<td>Har.</td>
<td>109</td>
<td>709 4 137</td>
<td>83 123 5</td>
<td>G 4</td>
<td>4- 4- 4- 3.75</td>
<td>D</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5551</td>
<td>Har.</td>
<td>126</td>
<td>648 7 153</td>
<td>80 121 5</td>
<td>G 4</td>
<td>4- 4- 4- 3.71</td>
<td>DW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5519</td>
<td>Har.</td>
<td>122</td>
<td>747 0 107</td>
<td>87 126 5</td>
<td>G 4</td>
<td>4- 4- 3- 3.82</td>
<td>DR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Variety</td>
<td>Source</td>
<td>Days to Maturity</td>
<td>Yld./Acre</td>
<td>B.t. &amp; Fl. A.</td>
<td>Yld./Fl. A.</td>
<td>Culls</td>
<td>% Fl. A.</td>
<td>Stand./A.</td>
<td>Shape</td>
<td>Firmness</td>
<td>Uniformity</td>
<td>Size</td>
<td>Shape</td>
<td>Color</td>
<td>Skin Thickness</td>
<td>Skinning</td>
</tr>
<tr>
<td>------------------</td>
<td>--------</td>
<td>------------------</td>
<td>----------</td>
<td>---------------</td>
<td>-------------</td>
<td>-------</td>
<td>----------</td>
<td>------------</td>
<td>-------</td>
<td>----------</td>
<td>------------</td>
<td>------</td>
<td>-------</td>
<td>-------</td>
<td>---------------</td>
<td>----------</td>
</tr>
<tr>
<td>195-155</td>
<td>Har.</td>
<td>119</td>
<td>709</td>
<td>8</td>
<td>15</td>
<td>97</td>
<td>129</td>
<td>5</td>
<td>G</td>
<td>4</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>1643 Cima</td>
<td>Har.</td>
<td>124</td>
<td>850</td>
<td>4</td>
<td>240</td>
<td>78</td>
<td>176</td>
<td>5</td>
<td>HG</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Harvestmore</td>
<td>Har.</td>
<td>122</td>
<td>610</td>
<td>23</td>
<td>122</td>
<td>81</td>
<td>116</td>
<td>5</td>
<td>G</td>
<td>4-</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>3-</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Spartan Era</td>
<td>Sto.</td>
<td>122</td>
<td>389</td>
<td>7</td>
<td>168</td>
<td>69</td>
<td>111</td>
<td>4</td>
<td>G</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Indian Queen</td>
<td>Sto.</td>
<td>126</td>
<td>476</td>
<td>31</td>
<td>320</td>
<td>58</td>
<td>118</td>
<td>6</td>
<td>G</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>3+</td>
</tr>
<tr>
<td>Imp. Aut. Spice</td>
<td>Sto.</td>
<td>114</td>
<td>446</td>
<td>15</td>
<td>175</td>
<td>70</td>
<td>111</td>
<td>5</td>
<td>G</td>
<td>4</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>3-4</td>
</tr>
<tr>
<td>Autumn Spice</td>
<td>Sto.</td>
<td>114</td>
<td>656</td>
<td>19</td>
<td>106</td>
<td>84</td>
<td>98</td>
<td>6</td>
<td>G</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Super Elite</td>
<td>Sto.</td>
<td>122</td>
<td>621</td>
<td>19</td>
<td>148</td>
<td>79</td>
<td>145</td>
<td>5</td>
<td>HG</td>
<td>3+</td>
<td>4-</td>
<td>4</td>
<td>3+</td>
<td>3</td>
<td>3+</td>
<td>3</td>
</tr>
<tr>
<td>Northern Oak</td>
<td>Sto.</td>
<td>121</td>
<td>648</td>
<td>53</td>
<td>275</td>
<td>66</td>
<td>103</td>
<td>3</td>
<td>G</td>
<td>4-</td>
<td>3+</td>
<td>3</td>
<td>3+</td>
<td>3</td>
<td>3</td>
<td>3+</td>
</tr>
<tr>
<td>Canada Granite</td>
<td>Sto.</td>
<td>121</td>
<td>621</td>
<td>65</td>
<td>87</td>
<td>80</td>
<td>93</td>
<td>8</td>
<td>G</td>
<td>4</td>
<td>3+</td>
<td>3</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>4-</td>
</tr>
<tr>
<td>Hickory</td>
<td>Sto.</td>
<td>119</td>
<td>519</td>
<td>46</td>
<td>106</td>
<td>77</td>
<td>99</td>
<td>6</td>
<td>G</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Nugget</td>
<td>Sto.</td>
<td>125</td>
<td>461</td>
<td>8</td>
<td>87</td>
<td>83</td>
<td>114</td>
<td>4</td>
<td>G</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>3+</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Early Yell. Globe</td>
<td>Sto.</td>
<td>112</td>
<td>583</td>
<td>58</td>
<td>224</td>
<td>67</td>
<td>89</td>
<td>8</td>
<td>G</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>3+</td>
<td>3</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Producible</td>
<td>D.P.</td>
<td>Maturing too late.</td>
<td>95% thick necks.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Producerskin</td>
<td>D.P.</td>
<td>Maturing too late.</td>
<td>85% thick necks.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Producent</td>
<td>D.P.</td>
<td>Maturing too late.</td>
<td>35% thick necks.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nr. 304</td>
<td>D.P.</td>
<td>Maturing too late.</td>
<td>100% thick necks.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>54.25</td>
<td>D.P.</td>
<td>100</td>
<td>49</td>
<td>87</td>
<td>153</td>
<td>17</td>
<td>74</td>
<td>8</td>
<td>GO</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>+4</td>
</tr>
<tr>
<td>Gambler</td>
<td>Agw.</td>
<td>126</td>
<td>1227</td>
<td>16</td>
<td>53</td>
<td>95</td>
<td>134</td>
<td>8</td>
<td>HG</td>
<td>4-</td>
<td>4+</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>XP-74-161</td>
<td>Agw.</td>
<td>Maturing too late.</td>
<td>70% thick necks.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FGR-1220</td>
<td>FGR</td>
<td>126</td>
<td>385</td>
<td>37</td>
<td>290</td>
<td>54</td>
<td>106</td>
<td>6</td>
<td>F</td>
<td>4-</td>
<td>4</td>
<td>4</td>
<td>3+</td>
<td>4</td>
<td>3</td>
<td>4-</td>
</tr>
<tr>
<td>FGR-1221</td>
<td>FGR</td>
<td>Maturing too late.</td>
<td>100% thick necks.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FGR-1222</td>
<td>FGR</td>
<td>Maturing too late.</td>
<td>50% thick necks.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FGR-1223</td>
<td>FGR</td>
<td>Maturing too late.</td>
<td>20% thick necks.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leather Jacket</td>
<td>V.D.B.</td>
<td>Maturing too late.</td>
<td>75% thick necks.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compass</td>
<td>V.D.B.</td>
<td>Maturing too late.</td>
<td>85% thick necks.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fortuna</td>
<td>V.D.B.</td>
<td>Maturing too late.</td>
<td>40% thick necks.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hyb. Matador</td>
<td>Mla.</td>
<td>121</td>
<td>785</td>
<td>7</td>
<td>153</td>
<td>83</td>
<td>136</td>
<td>6</td>
<td>HG</td>
<td>4-</td>
<td>4-</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Aut. Spice &quot;A&quot;</td>
<td>Cro.</td>
<td>109</td>
<td>587</td>
<td>23</td>
<td>38</td>
<td>91</td>
<td>99</td>
<td>5</td>
<td>G</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>3+</td>
<td>3+</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>H 149</td>
<td>Cro.</td>
<td>126</td>
<td>763</td>
<td>0</td>
<td>175</td>
<td>81</td>
<td>167</td>
<td>4</td>
<td>G</td>
<td>4</td>
<td>4-</td>
<td>4</td>
<td>4+</td>
<td>4</td>
<td>4</td>
<td>4-</td>
</tr>
</tbody>
</table>
## ONION ADAPTATION TRIAL - 1976

<table>
<thead>
<tr>
<th>Variety</th>
<th>Source</th>
<th>Days to Maturity</th>
<th>Yld. fl. lg.e. Bags/acre</th>
<th>Yld. smal. fl. lg.e. Bags/acre</th>
<th>Culls Bags/acre</th>
<th>% #1 lg.e.</th>
<th>Av. wt. #1 lg.e. g/m.</th>
<th>Stand/St.</th>
<th>Shape</th>
<th>Uniformity</th>
<th>Skin Thickness</th>
<th>Skinning Finish</th>
<th>Neck Finish</th>
<th>Score</th>
<th>Type Calls</th>
</tr>
</thead>
<tbody>
<tr>
<td>H. 51</td>
<td>Cro.</td>
<td>119</td>
<td>678</td>
<td>15</td>
<td>92</td>
<td>86</td>
<td>112</td>
<td>6</td>
<td>G 4</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>3.91</td>
</tr>
<tr>
<td>H. 189</td>
<td>Cro.</td>
<td>126</td>
<td>541</td>
<td>4</td>
<td>19</td>
<td>96</td>
<td>175</td>
<td>3</td>
<td>G 4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>3+</td>
<td>3.85</td>
</tr>
<tr>
<td>H. 147</td>
<td>Cro.</td>
<td>126</td>
<td>511</td>
<td>4</td>
<td>102</td>
<td>83</td>
<td>181</td>
<td>3</td>
<td>HG 4-</td>
<td>4-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>3.81</td>
</tr>
<tr>
<td>H. 207</td>
<td>Cro.</td>
<td>Poor stand.</td>
<td>No yield.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H. 251</td>
<td>Cro.</td>
<td>126</td>
<td>370</td>
<td>4</td>
<td>251</td>
<td>59</td>
<td>131</td>
<td>3</td>
<td>HG 4</td>
<td>3 3-</td>
<td>3</td>
<td>3</td>
<td>3+</td>
<td>3+</td>
<td>3.47</td>
</tr>
<tr>
<td>Wijbo</td>
<td>S.Gr.</td>
<td>Maturing too late.</td>
<td>75% thick necks.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jumbo</td>
<td>S.Gr.</td>
<td>Maturing too late.</td>
<td>95% thick necks.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hysol</td>
<td>S.Gr.</td>
<td>119</td>
<td>194</td>
<td>57</td>
<td>236</td>
<td>40</td>
<td>72</td>
<td>6</td>
<td>G 3</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>3-</td>
<td>3.68</td>
</tr>
<tr>
<td>Superba</td>
<td>S.Gr.</td>
<td>121</td>
<td>396</td>
<td>15</td>
<td>92</td>
<td>79</td>
<td>92</td>
<td>4</td>
<td>G 4</td>
<td>3+ 4-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>3.68</td>
</tr>
<tr>
<td>FWX 3274</td>
<td>P.W.</td>
<td>126</td>
<td>583</td>
<td>11</td>
<td>331</td>
<td>63</td>
<td>111</td>
<td>6</td>
<td>G 3</td>
<td>4- 4-</td>
<td>3</td>
<td>4</td>
<td>4+</td>
<td>3+</td>
<td>3.57</td>
</tr>
<tr>
<td>FWX 2174</td>
<td>P.W.</td>
<td>126</td>
<td>629</td>
<td>11</td>
<td>8</td>
<td>97</td>
<td>120</td>
<td>5</td>
<td>G 3-</td>
<td>4- 4-</td>
<td>2+</td>
<td>3</td>
<td>4+</td>
<td>3-</td>
<td>3.24</td>
</tr>
<tr>
<td>FWX 2474</td>
<td>P.W.</td>
<td>123</td>
<td>575</td>
<td>4</td>
<td>8</td>
<td>98</td>
<td>104</td>
<td>4</td>
<td>G 4</td>
<td>4- 4-</td>
<td>4-</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>3.74</td>
</tr>
<tr>
<td>Spartan Sleeper</td>
<td>Trp.</td>
<td>126</td>
<td>880</td>
<td>61</td>
<td>61</td>
<td>88</td>
<td>124</td>
<td>7</td>
<td>HG 3+</td>
<td>3 3-</td>
<td>4-</td>
<td>4</td>
<td>4+</td>
<td>4-</td>
<td>3.52</td>
</tr>
<tr>
<td>Fusario</td>
<td>W.S.U.</td>
<td>126</td>
<td>656</td>
<td>7</td>
<td>34</td>
<td>94</td>
<td>125</td>
<td>5</td>
<td>G 4+</td>
<td>4- 4-</td>
<td>4+</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>4.00</td>
</tr>
<tr>
<td>Capable</td>
<td>Des.</td>
<td>122</td>
<td>595</td>
<td>34</td>
<td>129</td>
<td>78</td>
<td>130</td>
<td>5</td>
<td>G 3+</td>
<td>3+ 3+</td>
<td>3</td>
<td>3</td>
<td>4+</td>
<td>3-</td>
<td>3.22</td>
</tr>
<tr>
<td>Dexp. 2749</td>
<td>Des.</td>
<td>116</td>
<td>846</td>
<td>16</td>
<td>76</td>
<td>90</td>
<td>124</td>
<td>6</td>
<td>HG 3</td>
<td>4 3-</td>
<td>3</td>
<td>3</td>
<td>4-</td>
<td>3</td>
<td>3.24</td>
</tr>
<tr>
<td>NCX 1008</td>
<td>Nia.</td>
<td>120</td>
<td>949</td>
<td>11</td>
<td>168</td>
<td>84</td>
<td>168</td>
<td>5</td>
<td>HG 4-</td>
<td>4- 4-</td>
<td>4</td>
<td>4</td>
<td>4-</td>
<td>4-</td>
<td>3.87</td>
</tr>
<tr>
<td>Sunburst</td>
<td>Asg.</td>
<td>116</td>
<td>869</td>
<td>7</td>
<td>397</td>
<td>68</td>
<td>118</td>
<td>8</td>
<td>G 4</td>
<td>4- 4-</td>
<td>3</td>
<td>4</td>
<td>4+</td>
<td>4-</td>
<td>3.85</td>
</tr>
<tr>
<td>XP 70</td>
<td>Asg.</td>
<td>119</td>
<td>758</td>
<td>4</td>
<td>541</td>
<td>58</td>
<td>157</td>
<td>6</td>
<td>G 4</td>
<td>4- 4-</td>
<td>4</td>
<td>4</td>
<td>4+</td>
<td>4-</td>
<td>3.81</td>
</tr>
</tbody>
</table>

**Notes:** The weather at harvest time was not very conducive for the maturing of onions. Almost all cultivars had a thin stand reducing the chances for a good yield and quality onion even further. All cultivars matured later than in other years.

**Key:** HG = high globe; O = oblong; F = flat. **Cull:** D = doubles; R = rot; S = sprouts; Rd = red; U = undersize; W = white

The order of the cull markings indicates the majority of types of culls.

All named varieties were replicated twice, most numbered cultivars only once.
<table>
<thead>
<tr>
<th>Variety</th>
<th>Marketable Bushels/Acre</th>
<th>Mkbl. B/A</th>
<th>Mkbl. F/A</th>
<th>% Culls</th>
<th>Reason Culls</th>
<th>Small</th>
<th>Green</th>
<th>Growth</th>
<th>Cracks</th>
<th>Off-Shape</th>
<th>Shape</th>
<th>Color</th>
<th>Eye Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ontario</td>
<td>469</td>
<td>444</td>
<td>25</td>
<td>10</td>
<td>***</td>
<td>***</td>
<td>**</td>
<td>***</td>
<td>**</td>
<td>**</td>
<td>RF</td>
<td>W</td>
<td>M</td>
</tr>
<tr>
<td>Alamo</td>
<td>677</td>
<td>637</td>
<td>40</td>
<td>11</td>
<td>**</td>
<td>***</td>
<td>***</td>
<td>**</td>
<td>**</td>
<td>**</td>
<td>CF</td>
<td>W</td>
<td>S</td>
</tr>
<tr>
<td>Norchip</td>
<td>672</td>
<td>645</td>
<td>27</td>
<td>13</td>
<td>***</td>
<td>**</td>
<td>*</td>
<td>***</td>
<td>**</td>
<td>**</td>
<td>RF</td>
<td>OW</td>
<td>M</td>
</tr>
<tr>
<td>Abnaki</td>
<td>755</td>
<td>745</td>
<td>10</td>
<td>9</td>
<td>***</td>
<td>***</td>
<td>*</td>
<td>***</td>
<td>**</td>
<td>**</td>
<td>RF</td>
<td>OW</td>
<td>S</td>
</tr>
<tr>
<td>Cnaway</td>
<td>492</td>
<td>447</td>
<td>45</td>
<td>15</td>
<td>**</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>RF</td>
<td>OW</td>
<td>D</td>
</tr>
<tr>
<td>G6880-1</td>
<td>670</td>
<td>616</td>
<td>54</td>
<td>6</td>
<td>***</td>
<td>***</td>
<td>**</td>
<td>**</td>
<td>**</td>
<td>**</td>
<td>RF</td>
<td>OW</td>
<td>M</td>
</tr>
<tr>
<td>G6549-7</td>
<td>564</td>
<td>543</td>
<td>21</td>
<td>13</td>
<td>**</td>
<td>**</td>
<td>**</td>
<td>**</td>
<td>**</td>
<td>**</td>
<td>RF</td>
<td>OW</td>
<td>S</td>
</tr>
<tr>
<td>Superior</td>
<td>540</td>
<td>513</td>
<td>27</td>
<td>18</td>
<td>**</td>
<td>**</td>
<td>**</td>
<td>**</td>
<td>**</td>
<td>**</td>
<td>RF</td>
<td>OW</td>
<td>D</td>
</tr>
<tr>
<td>G6442-2</td>
<td>406</td>
<td>352</td>
<td>54</td>
<td>9</td>
<td>**</td>
<td>**</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>RF</td>
<td>OW</td>
<td>M</td>
</tr>
<tr>
<td>York</td>
<td>310</td>
<td>283</td>
<td>27</td>
<td>13</td>
<td>**</td>
<td>**</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>RF</td>
<td>OW</td>
<td>S</td>
</tr>
<tr>
<td>P69118</td>
<td>237</td>
<td>192</td>
<td>45</td>
<td>10</td>
<td>**</td>
<td></td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>RF</td>
<td>LN</td>
<td>S</td>
</tr>
<tr>
<td>P61025 Tobique</td>
<td>67</td>
<td>55</td>
<td>12</td>
<td>30</td>
<td>*</td>
<td></td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>CF</td>
<td>LN</td>
<td>S</td>
</tr>
<tr>
<td>Chieftain</td>
<td>751</td>
<td>718</td>
<td>33</td>
<td>9</td>
<td>**</td>
<td>*</td>
<td>*</td>
<td>RF</td>
<td>DR</td>
<td>M</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G6457-5R Rideau</td>
<td>569</td>
<td>550</td>
<td>19</td>
<td>10</td>
<td>***</td>
<td>*</td>
<td>*</td>
<td>RF</td>
<td>DR</td>
<td>S</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bison</td>
<td>355</td>
<td>319</td>
<td>36</td>
<td>11</td>
<td>***</td>
<td>*</td>
<td>*</td>
<td>R</td>
<td>DR</td>
<td>S</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Norland</td>
<td>539</td>
<td>494</td>
<td>45</td>
<td>9</td>
<td>*</td>
<td></td>
<td>*</td>
<td>RF</td>
<td>R</td>
<td>S</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Purple Viking</td>
<td>517</td>
<td>508</td>
<td>9</td>
<td>41</td>
<td>**</td>
<td>***</td>
<td>**</td>
<td>RF</td>
<td>P</td>
<td>M</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Norgold</td>
<td>439</td>
<td>418</td>
<td>21</td>
<td>14</td>
<td>**</td>
<td>*</td>
<td>OR</td>
<td>RU</td>
<td></td>
<td>S</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTE: On May 26, 12 white skinned varieties, 4 red skinned, one purple and one russet skinned variety were planted in rows of 30 ft. long, 34-inch apart and 10-inches spacing in the row, replicated three times. Harvest date 7th October.

Key: Color: OW = off white  DR = deep red  P = purple  LN = light net  RU = russet
Eye Depth: D = deep  M = medium  S = shallow  F = flat
Shape: R = round  O = oblong

Highest Marketable Yield: Abnaki 745  Alamo 637 (2½ - 3½"")

Chieftain 718 G6880-1 616
1976 CELERY STORAGE EXPERIMENT

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Total # Stalks</th>
<th>Total Wt. lbs.</th>
<th>Mkb. # Stalks</th>
<th>Mkb. Wt. lbs.</th>
<th>% Trim Loss</th>
<th>Reason for Loss</th>
<th>Mkb. Color Leaves</th>
<th>Reason for Loss</th>
<th>Mkb. Color Leaves</th>
<th>Stems % Rot</th>
<th>% Rot</th>
<th>% Discolored</th>
<th>Stems % Rot</th>
<th>% Rot</th>
<th>% Discolored</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benlate Spray</td>
<td>100</td>
<td>213</td>
<td>100</td>
<td>127</td>
<td>40</td>
<td>97</td>
<td>10</td>
<td>90</td>
<td>4.1</td>
<td>4.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 lb/100 gall. water</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Easout Spray</td>
<td>100</td>
<td>203</td>
<td>100</td>
<td>130</td>
<td>36</td>
<td>93</td>
<td>12</td>
<td>88</td>
<td>3.9</td>
<td>3.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1½ lb/100 gall. water</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Benlate Spray &amp; Dip</td>
<td>100</td>
<td>220</td>
<td>100</td>
<td>140</td>
<td>36</td>
<td>93</td>
<td>12</td>
<td>88</td>
<td>4.2</td>
<td>4.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 lb/100 gall. water</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Easout Spray &amp; Dip</td>
<td>100</td>
<td>208</td>
<td>95</td>
<td>146</td>
<td>26</td>
<td>100</td>
<td>13</td>
<td>87</td>
<td>4.4</td>
<td>4.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1½/100 gall. water</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check</td>
<td>100</td>
<td>216</td>
<td>99</td>
<td>97</td>
<td>55</td>
<td>92</td>
<td>37</td>
<td>63</td>
<td>3.7</td>
<td>3.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes: Marketable Color of Leaves and Stalks 5 = very desirable
1 = least desirable.

Treatments: On October 4, before harvest, 3 varieties of celery were sprayed with a regular boom sprayer at a rate of 100 galls. water per acre at a nozzle pressure of 100 P.S.I. One part of the plot was sprayed with Benlate at 1 lb/100 gall. and a second part with Easout at 1½ lb/100 gall. water.
After harvest on October 5 part of the Benlate sprayed celery was dipped in a solution of 1 lb. Benlate in 100 galls. water and the same was done with part of the Easout sprayed celery at 1½ lbs. Easout in 100 galls. water.
The treated celery and a non-treated check were then stored in a cold storage 0° to 2°C.
On December 22 the celery was judged for weight loss, trim loss and quality. Best results were obtained from the dip treatments, ave. 31% weight loss. Spray treatment gave an average 38% loss of weight and the check had a 55% loss. While 37% of the discarded stems were rotten in the check, the rot in the treated plots was only about 12% and 88% of the stem loss was due to loss of green color.
The color of the marketable celery after trimming was better in the treated lots than in the check.
In general Easout did slightly better than Benlate.
There was very little difference between the 3 varieties used, Utah 52-70, Clean Cut, and Florida 683.
One of the main problems in the production of parsnips, is to obtain a uniform plant population. Parsnip seed does not lend itself very well to conventional seeders. Precision seeding would greatly improve this and several companies are putting in a concerted effort to come up with pelleted parsnip seed. This trial was done to find out what the ideal plant population would be if it was possible to seed to a uniform stand. A previous experiment showed that yields continued to increase beyond a plant population of 6 per foot. Raw and coated seed of two seed sources were seeded with a band seeder to obtain five densities: 4, 8, 12, 16 and 20 seeds/foot. Rows were 22½ inches apart. cv Harris Model was used in this replicated trial. The percentage of seeds emerging varied considerably. The raw seed showed best emergence with 69%, whereas the coated seed (source "A") showed 58% emergence and coated seed (source "B") showed only 20% emergence. Raw seed seedlings were in the two-true leaf stage on June 8, whereas the coated seed seedlings showed only one-true leaf. All treatments were thinned out to obtain a wide range of plant densities from 1 to 12 plants per foot of row. Stand was reduced during the growing season through natural causes by a further 30%. Best marketable yield (809 bu/acre) was obtained with a final plant population of 7.0 to 7.4 plants/foot. This was accomplished by aiming at a plant stand of 8 to 9 plants/foot at time of emergence. For this plant density to be realized, the grower would have to adjust the seeder to obtain 10 - 14 seeds per foot depending on germination.

### Influence of Uniform Plant Population on Yield of Parsnips

<table>
<thead>
<tr>
<th>Thinned to uniform stand/ft</th>
<th>Average mkbl roots/ft</th>
<th>Ave. bus/acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>8.8</td>
<td>736</td>
</tr>
<tr>
<td>10</td>
<td>7.7</td>
<td>748</td>
</tr>
<tr>
<td>9.7</td>
<td>7.2</td>
<td>809</td>
</tr>
<tr>
<td>8</td>
<td>6.4</td>
<td>790</td>
</tr>
<tr>
<td>6.6</td>
<td>4.5</td>
<td>587</td>
</tr>
<tr>
<td>5</td>
<td>3.7</td>
<td>646</td>
</tr>
<tr>
<td>3.8</td>
<td>2.9</td>
<td>608</td>
</tr>
<tr>
<td>2.3</td>
<td>1.8</td>
<td>412</td>
</tr>
<tr>
<td>2.3</td>
<td>1.6</td>
<td>285</td>
</tr>
</tbody>
</table>
POTATO SPACING STUDY - 1976

A study was initiated to determine the effect of plant spacing on two popular varieties, Norchip and Chieftain, on muck soils.

Five different spacings, 6", 10", 14", 18", and 22" were used between the plants in the row. The rows were spaced 34" apart.

Previous experimental work on minerai soils indicated that Norchip was not affected by a wide variety of plant spacings. The results of this experiment confirmed our data from a 1975 experiment that, on muck soil, the yield is decreased as the plant spacing is increased. The Chieftain variety reacted in a similar manner. The average tuber weight increased with wider spacings. The number of oversized tubers increased slightly as the spacing increased except at the 22" spacing.

As the spacing was increased by 366%, the tubers per hill increased by 236% for Norchip and 263% for Chieftain. The number of marketable tubers per hill also more than doubled as the spacings increased.

<table>
<thead>
<tr>
<th>Spacing</th>
<th>Norchip</th>
<th></th>
<th></th>
<th>Chieftain</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>682</td>
<td>3.7</td>
<td>5.2</td>
<td>719</td>
<td>4.8</td>
<td>4.4</td>
</tr>
<tr>
<td>10&quot;</td>
<td>633</td>
<td>4.0</td>
<td>7.8</td>
<td>695</td>
<td>5.1</td>
<td>6.8</td>
</tr>
<tr>
<td>14&quot;</td>
<td>627</td>
<td>4.3</td>
<td>10.0</td>
<td>702</td>
<td>5.3</td>
<td>9.1</td>
</tr>
<tr>
<td>18&quot;</td>
<td>577</td>
<td>4.1</td>
<td>12.3</td>
<td>587</td>
<td>5.1</td>
<td>9.2</td>
</tr>
<tr>
<td>22&quot;</td>
<td>551</td>
<td>5.1</td>
<td>11.7</td>
<td>583</td>
<td>5.5</td>
<td>11.6</td>
</tr>
</tbody>
</table>
RATES AND SOURCES OF NITROGEN ON ONIONS

Onions require a long growing season. Conditions encouraging rapid growth before the initiation of bulb formation is essential for maximum yield and quality. Nitrogen is one factor encouraging rapid growth. An experiment was designed to screen several sources of nitrogen, i.e., urea, ammonium nitrate, ammonium sulphate, ammonium phosphate, sodium nitrate and calcium nitrate, at rates: 0, 60, 120 and 180 lbs N/acre. The same sources of nitrogen were used for sidedressing at 40 lbs N/acre applied at the time the plants were in the two-true leaf stage.

Preliminary results, comparing sources and sidedressings with the same source of nitrogen, show that ammonium nitrate produced the best yield, at the 0 and 60 lb. rate. It also appears that ammonium phosphate and ammonium sulphate at the highest rate depressed yield.

Ammonium sulphate and ammonium phosphate at the highest rate had a reduced plant population of 20% or over.

Further studies will be necessary before any definite conclusions can be made.

* * * * * * * * * * *