New Varieties for the Arizona Citrus Industry
Glenn C. Wright
Extension Citrus Specialist
University of Arizona
Lemons

- Early season sizing
- Precocity
- High yields
Cavers Lisbon

- Early size
- Good yield
- Fruits throughout tree
- Vigorous
Limonero Fino 49

- Winter lemon of Spain
- Early size
- Good yield
- Thorny
- Fruits throughout tree
- Vigorous
Letters indicate significant differences, within harvest dates or for total yield (bold letters), between cultivars tested.
2001-02 Block 17 Lemon Packout - 10/3/01 Harvest

Cultivar
Cook Eureka
Allen Eureka
Villafranca
Limoneira 8A Lisbon
Limonero Fino 49
Frost Nucellar Lisbon
Cavens Lisbon
Prior Lisbon
Rosenberger Lisbon

Packout (%)
0 10 20 30 40 50 60 70 80 90 100

Letters indicate significant differences, within fruit sizes, between cultivar tested.
2001-02 Block 17 Lemon Packout - 12/14/01 Harvest

Letters indicate significant differences, within fruit sizes, between cultivars tested.
2001-02 Block 22 Lemon Yields

Letters indicate significant differences, within harvest dates or for total yield (bold letters), between cultivars tested.
2001-02 Block 22 Lemon Packout - 10/3/01 Harvest

Cultivar

Limoneira 8A Lisbon

Cavers Lisbon

Limonero Fino 49

Femminello

Santa Teresa

Letters indicate significant differences, within fruit sizes, between cultivars tested.
2001-02 Block 22 Lemon Packout - 12/13/01 Harvest

Cultivar

Limoneira 8A Lisbon - bc ab a a bcd
cavers Lisbon - a ab a a cde
Limonero Fino 49 - a a a a e
Femminello - bc ab a a abc
Santa Teresa - bc ab a a ab

Packout (%)

Letters indicate significant differences, within fruit sizes, between cultivars tested.
New Lemon Acquisitions

- Limonero Fino 49
- Cavers Lisbon
- Walker Lisbon
- Taylor Eureka
- Lapithotiki
- Genoa Old Line
- Monroe Lisbon
- Dr. Strong
Mandarins

- Precocity
- High yields
- No granulation
- Easy peeling
- Seedless
Mandarins

- Fallglo Trial (Ending)
- Seedless Fallglo (Soon)
- Delite (Trial to be planted in 2003)
- TDE 1-4 (Soon)
Fallglo Mandarin

- Excellent size
- Good yield
- Does not typically granulate
- Easy to peel
- Early
- Seedy!
Fallglo Mandarin
W. Murcott Afourer (Delite)

- Easy to peel
- Does not apparently granulate
- Late fruit (January)
- Not so seedy especially if isolated
- Smaller fruit (Medium and Large)
### Table 1. Cultivar Effects on Seediness and Internal Quality

<table>
<thead>
<tr>
<th>Scion</th>
<th>Seeds (#/fruit)</th>
<th>SSC (%)</th>
<th>Total Acid (%)</th>
<th>SSC/TA</th>
</tr>
</thead>
<tbody>
<tr>
<td>C. Fina</td>
<td>b 9.67</td>
<td>b 10.88</td>
<td>c 1.06</td>
<td>c 10.33</td>
</tr>
<tr>
<td>C. Caffin</td>
<td>d 6.18</td>
<td>c 10.42</td>
<td>d 0.95</td>
<td>b 10.97</td>
</tr>
<tr>
<td>Clausellina</td>
<td>f 0.00</td>
<td>e 7.95</td>
<td>f 0.72</td>
<td>b 11.11</td>
</tr>
<tr>
<td>C. Aissa</td>
<td>c 8.64</td>
<td>bc 10.68</td>
<td>c 1.04</td>
<td>c 10.26</td>
</tr>
<tr>
<td>Fallglo</td>
<td>a 13.08</td>
<td>b 10.89</td>
<td>b 1.17</td>
<td>d 9.31</td>
</tr>
<tr>
<td>Kuno Wase</td>
<td>e 1.46</td>
<td>d 8.42</td>
<td>c 0.82</td>
<td>c 10.30</td>
</tr>
<tr>
<td>W. Murcott</td>
<td>d 6.07</td>
<td>a 12.87</td>
<td>d 0.94</td>
<td>a 13.80</td>
</tr>
<tr>
<td>C. Oroval</td>
<td>d 6.28</td>
<td>b 10.87</td>
<td>a 1.27</td>
<td>e 8.53</td>
</tr>
</tbody>
</table>

### Table 2. Cultivar Effects on Yield in Terms of Pounds Per Tree and fruit Number in Each Size Category

<table>
<thead>
<tr>
<th>Scion</th>
<th>Yield (lbs.)</th>
<th>Small</th>
<th>Medium</th>
<th>Large</th>
<th>Jumbo</th>
<th>Mammoth</th>
<th>Colossal</th>
<th>Super Colossal</th>
</tr>
</thead>
<tbody>
<tr>
<td>C. Fina</td>
<td>bc 54.13</td>
<td>a 13.64</td>
<td>a 186.42</td>
<td>b 120.97</td>
<td>c 8.08</td>
<td>d 0.75</td>
<td>b 0.17</td>
<td>b 0.19</td>
</tr>
<tr>
<td>C. Caffin</td>
<td>c 15.53</td>
<td>bc 5.61</td>
<td>cd 32.97</td>
<td>c 34.97</td>
<td>c 11.11</td>
<td>d 0.19</td>
<td>b 0.03</td>
<td>b 0.03</td>
</tr>
<tr>
<td>Clausellina</td>
<td>c 17.10</td>
<td>cd 0.34</td>
<td>dg 2.57</td>
<td>cd 11.71</td>
<td>c 29.17</td>
<td>b 15.37</td>
<td>b 0.46</td>
<td>b 0.00</td>
</tr>
<tr>
<td>C. Aissa</td>
<td>cd 49.61</td>
<td>bcd 5.47</td>
<td>h 130.39</td>
<td>ab 142.31</td>
<td>e 11.47</td>
<td>d 0.25</td>
<td>b 0.06</td>
<td>b 0.03</td>
</tr>
<tr>
<td>Fallglo</td>
<td>e 24.14</td>
<td>d 0.00</td>
<td>e 0.03</td>
<td>d 0.61</td>
<td>e 17.94</td>
<td>a 46.14</td>
<td>b 0.42</td>
<td>b 0.03</td>
</tr>
<tr>
<td>Kuno Wase</td>
<td>d 37.69</td>
<td>d 0.06</td>
<td>e 0.44</td>
<td>cd 3.08</td>
<td>c 22.89</td>
<td>a 55.78</td>
<td>a 10.64</td>
<td>a 3.86</td>
</tr>
<tr>
<td>W. Murcott</td>
<td>a 84.11</td>
<td>b 7.83</td>
<td>c 45.94</td>
<td>a 169.36</td>
<td>a 180.28</td>
<td>bc 12.86</td>
<td>b 0.14</td>
<td>b 0.06</td>
</tr>
<tr>
<td>C. Oroval</td>
<td>b 64.10</td>
<td>cd 0.94</td>
<td>c 41.69</td>
<td>a 164.75</td>
<td>b 99.22</td>
<td>cd 4.89</td>
<td>b 0.03</td>
<td>b 0.06</td>
</tr>
</tbody>
</table>