Pear Variety Evaluation in the Sacramento River District

Pear Research Meeting

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Blake’s Pride

- Created through breeding 1965
- Blight resistant, consistent yield
- Fruit shaped like Bartlett, skin golden, light tan russetting; very russetted in North Coast
- Requires pollination
- Ripens 2 weeks after Bartlett in the Pacific Northwest but closer to Bartlett in California
Blake’s Pride
Mod. size, sweet, and ugly
Sunrise

- USDA-ARS variety
- Blight resistant
- Early season, ripens before Bartlett, close to Starkrimson
- Yellow skin, slight pink blush, little russetting
- Sweet pleasant flavor
- Excellent overall consumer acceptance
Sunrise
Good yields/size, red blush
Cinnamon

- Discovered as limb mutation in a Bartlett tree near Hood River in 1979, but is a fully russetted late summer pear
- Ranked high in taste tests, scoring as well as Bartlett
Carmen

- The most widely sold new variety in Italy
- Consistent bearer, flowers with Bartlett but ripens much earlier
- Attractive yellow & red color that is accentuated during refrigeration
- Long shelf life, very tolerant of handling
- Rattails and blight
Carmen Rattail Blooms!
Avg. % of Tree Remaining
2014 Fire Blight Damage

% of Tree Remaining

Andy  Bartlett  Blake's P.  Carmen  Cinnamon  Norma  Sunrise  Tosca  Turandot
Trunk Growth Increase
2011-14

% Increase

Andr
Bartlett
Blakes Pr.
Cinnamon
Norma
Sunrise
Tosca
Turnadot
No. of Fruit per Tree
2014

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<thead>
<tr>
<th>Fruit</th>
<th>OHxF 87</th>
<th>W. Nelis</th>
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<td>Bartlett</td>
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No. of Fruit per Tree

Bartlett | Blake's Pr. | Cinnamon | Norma | Sunrise | Tosca | Turandot

OHxF 87 | W. Nelis

Graph showing the number of fruits per tree for different varieties in 2014.
Weight per Fruit
2014

Fruit Weight (lb.)

Bartlett | Blake's Pr. | Cinnamon | Norma | Sunrise | Tosca | Turandot
OHxF 87 | OHxF 87 | OHxF 87 | OHxF 87 | OHxF 87 | OHxF 87 | OHxF 87
W. Nelis | W. Nelis | W. Nelis | W. Nelis | W. Nelis | W. Nelis | W. Nelis
Yield per Tree
2014

Yield/Tree (lbs.)

OHxF 87
W. Nelis

Bartlett
Blake's Pr.
Cinnamon
Norma
Sunrise
Tosca
Turandot

OHxF 87
W. Nelis
New Blight-Resistant Varieties (R. Bell)
Growth Increase, 2013-14

% Increase over 2013

XB21  XB22  XB23  XB24  XB25  Bartlett

Planted April 2013

0  30  60  90  120  150
Varieties and Prospects
Likely not acceptable

Promising except for blight:
- Santa Maria – removed 2012 due to blight
- Carmen – Big trees, big fruit, early, bad blight

Poor performers:
- Tosca – Large number of fruits but very small
- Norma – Excess vigor, low yields
- Andy – Large trees, little blight, low yields
- Turandot – Large trees, little blight, low yields
Varieties and Prospects
Delicious with little blight, but some flaws

- Blake’s Pride – Mod. vigor, good fruit size, delicious, but russetted and ugly
- Cinnamon – Low-mod. vigor, low-mod. fruit numbers early, but consistently large fruit, very late
- Sunrise – Mod. vigor, good yields, good size, partial red blush
Thanks to Daniel Wilson for participating in this study
Questions?