

Pear Variety Evaluation in the Sacramento River District

Pear Research Meeting

Chuck Ingels

UC Cooperative Extension, Sacramento County



University of California
Agriculture and Natural Resources





Blake's Pride



- Created through breeding 1965
- Blight resistant, consistent yield
- Fruit shaped like Bartlett, skin golden, light tan russetting; very russeted 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



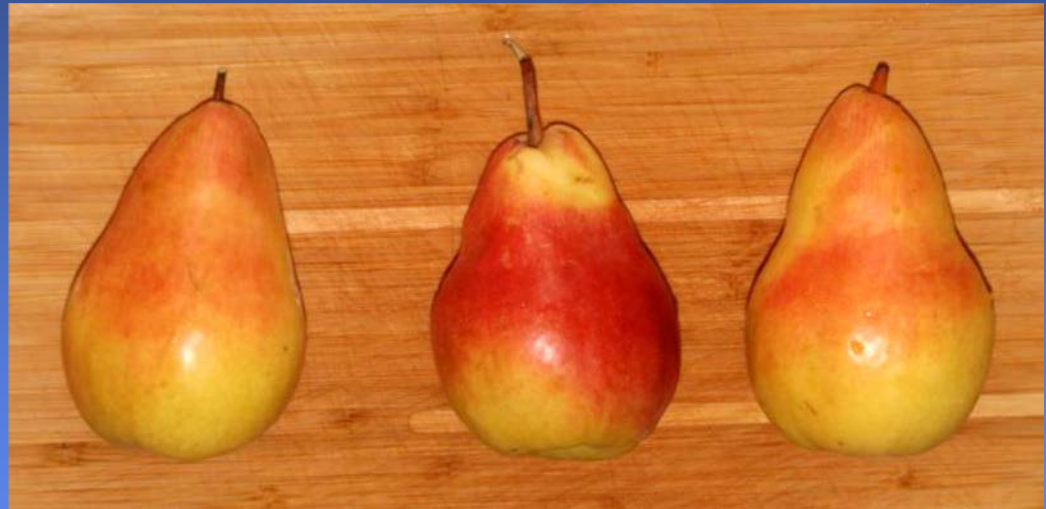
Sunrise



- 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 russeted late summer pear
- Ranked high in taste tests, scoring as well as Bartlett

Carmen

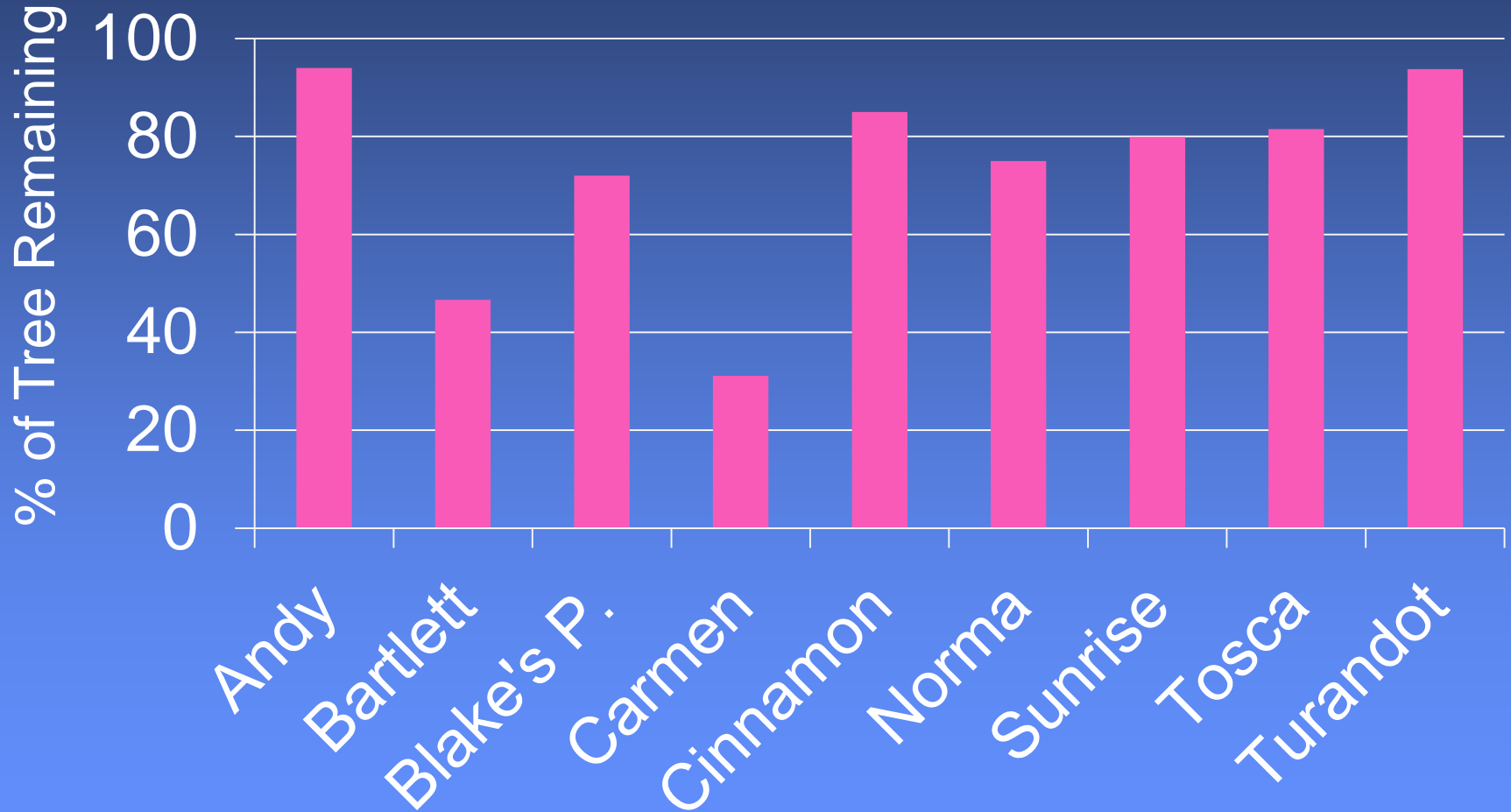


- The most widely sold new variety in Italy
- Consistent bearer, flowers with Bartlett but ripens much earlier
- Attractive yellow & red color that is accentuated during refrigeration
- Long shelf life, very tolerant of handling
- Rattails and blight

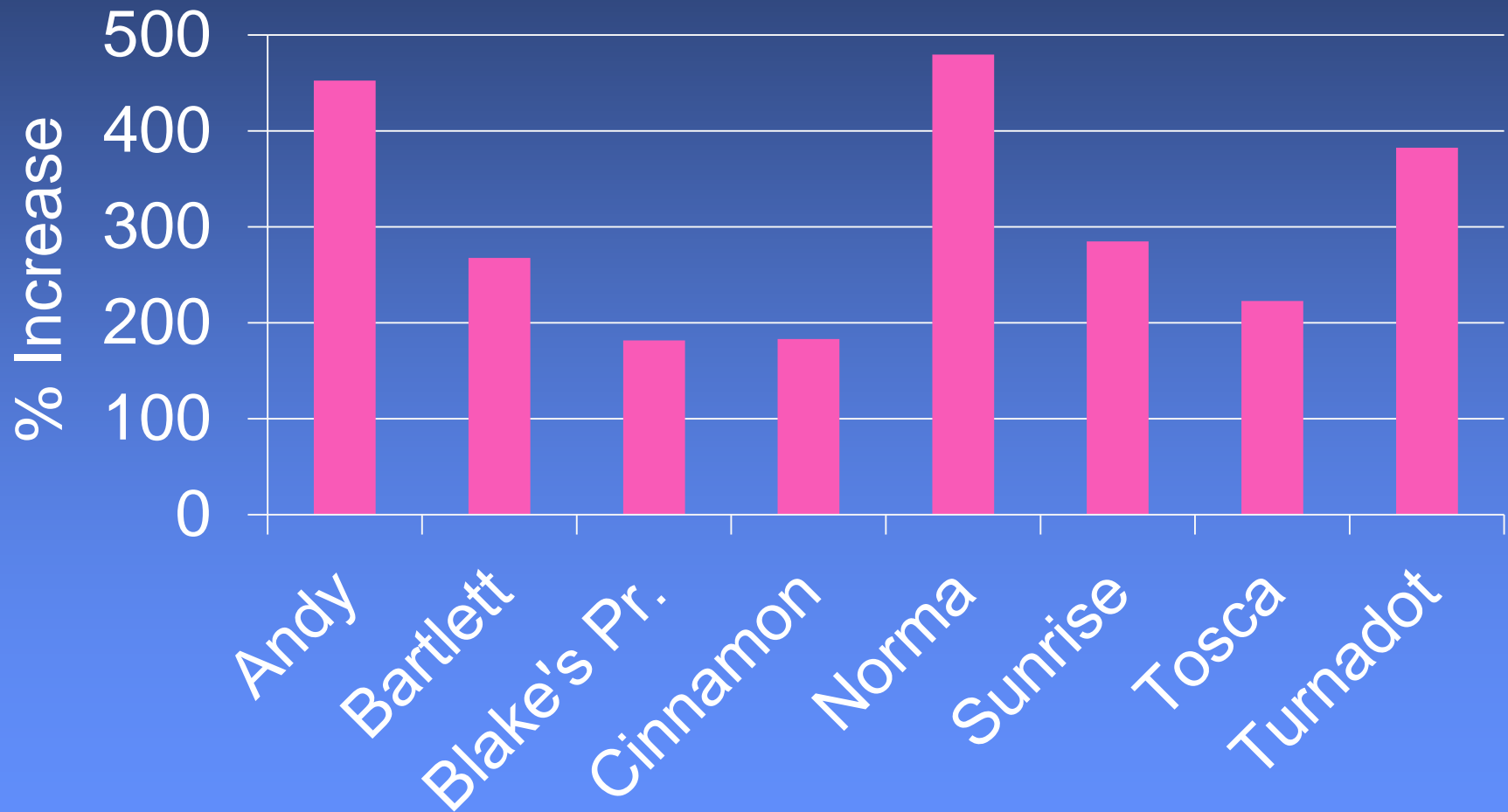
Carmen Rattail Blooms!



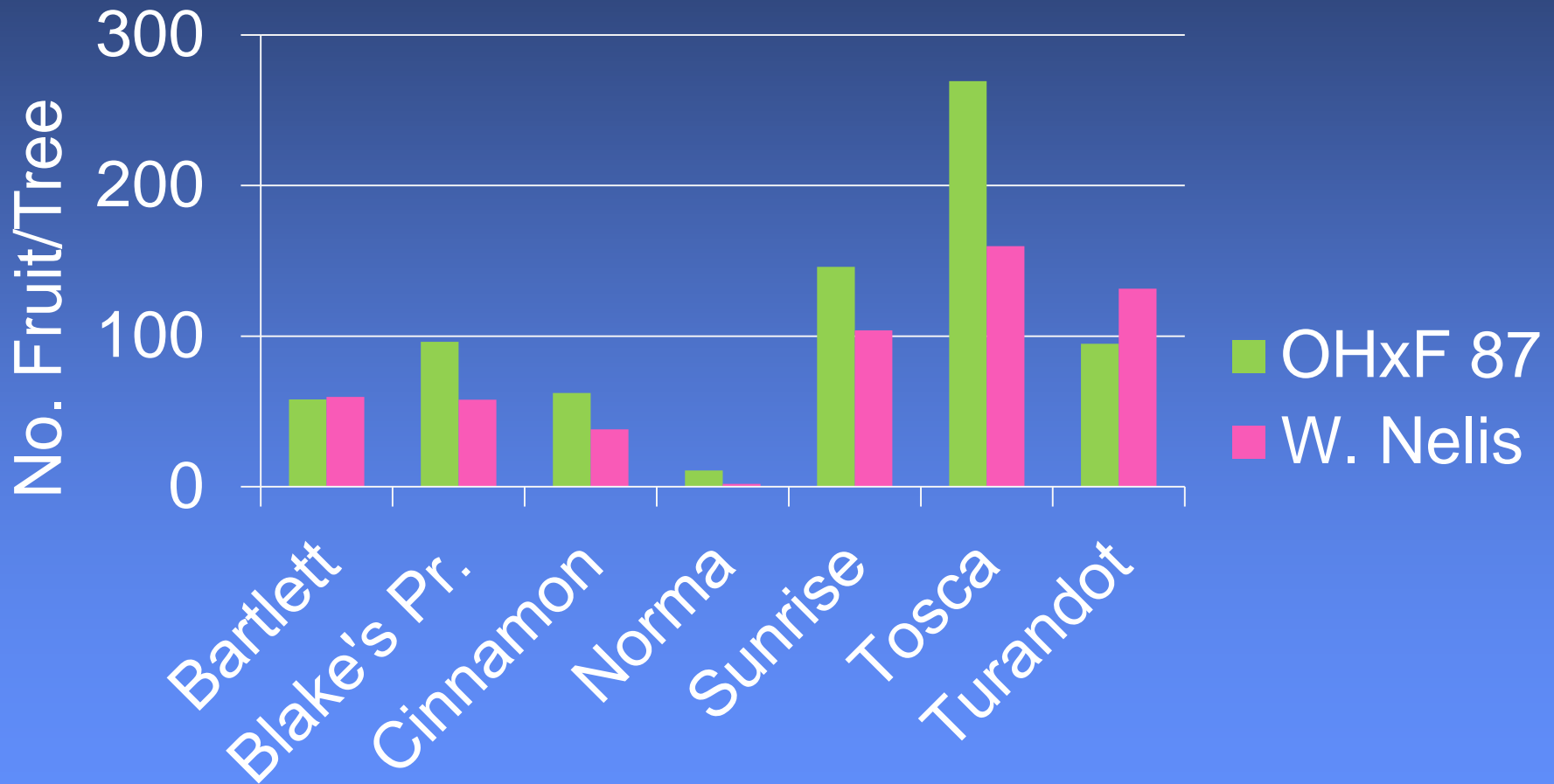
Avg. % of Tree Remaining 2014 Fire Blight Damage



Trunk Growth Increase 2011-14

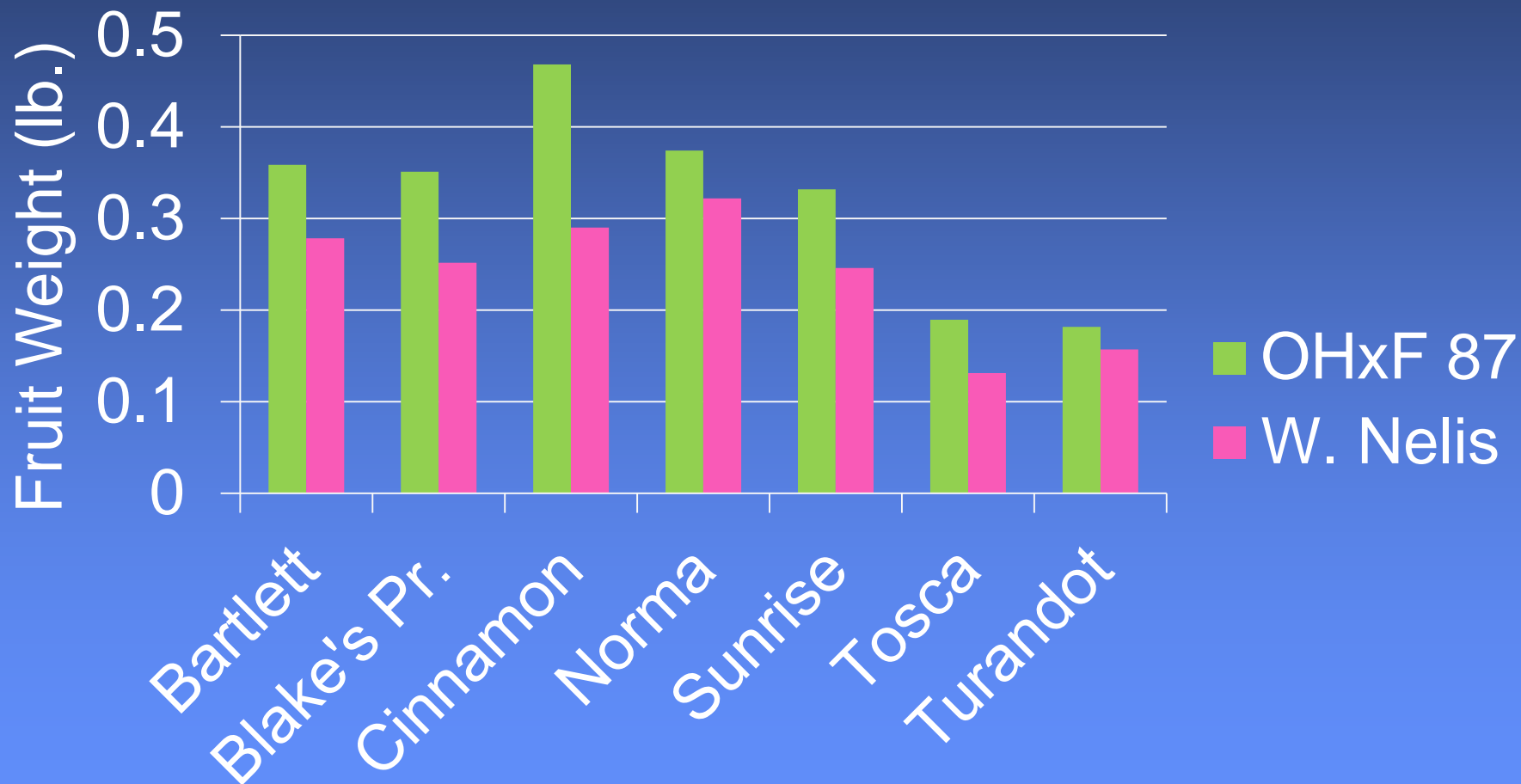


No. of Fruit per Tree 2014

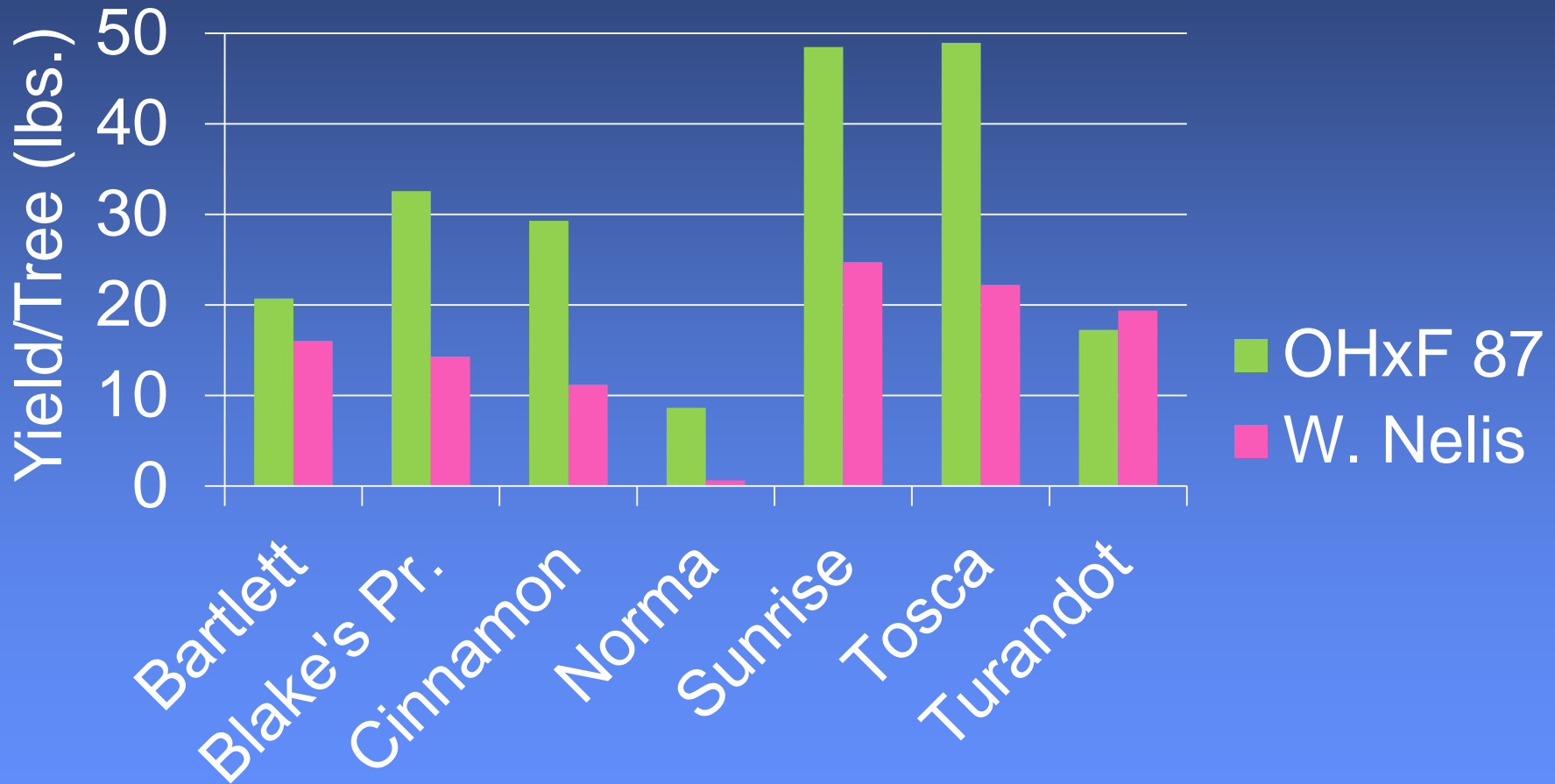


Weight per Fruit

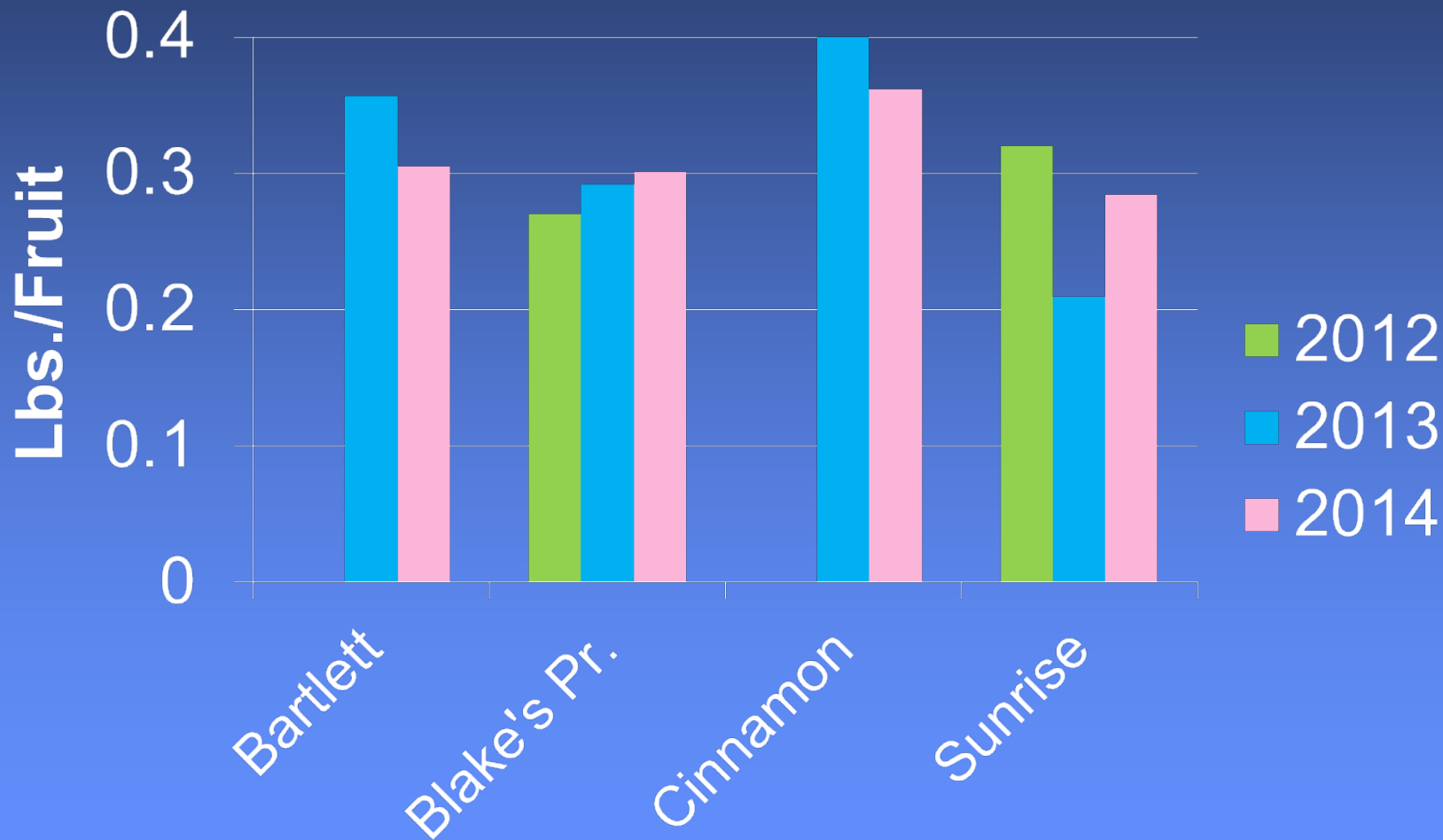
2014



Yield per Tree 2014



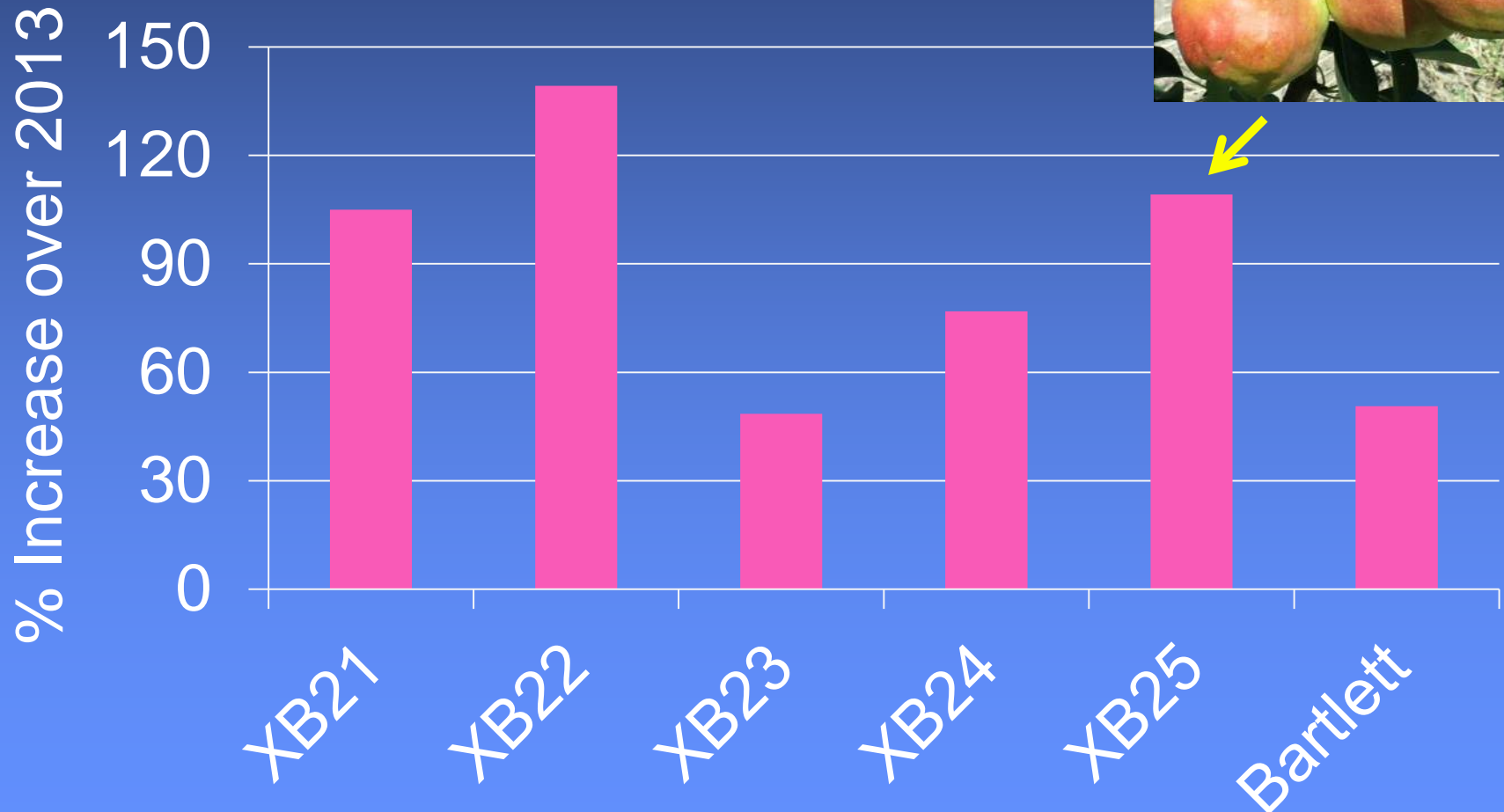
Weight per Fruit (Single Pick) 2012-14



New Blight-Resistant Varieties (R. Bell)

Growth Increase, 2013-14

Planted April 2013



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 russeted 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?