Mechanical Pruning and Harvesting 2008 - 2013

Louise Ferguson John Miles and Sergio Castro-Garcia Bill Krueger and Elizabeth Fichtner Rocky Hill Ranch **Burreson Ranch ENE Inc. and Gold Country Hydraulics Belle Carter Olives** Musco Family Olives



Mechanical + Hand Pruning

Traditional: 139 trees/Ac

Hedgerow: 202 trees/acre



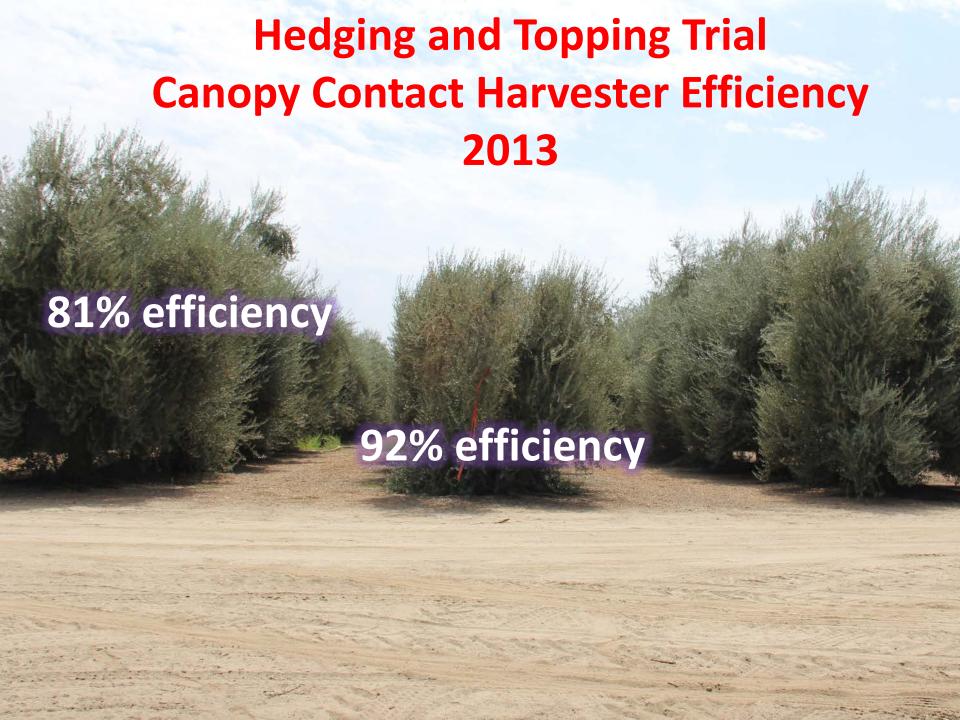


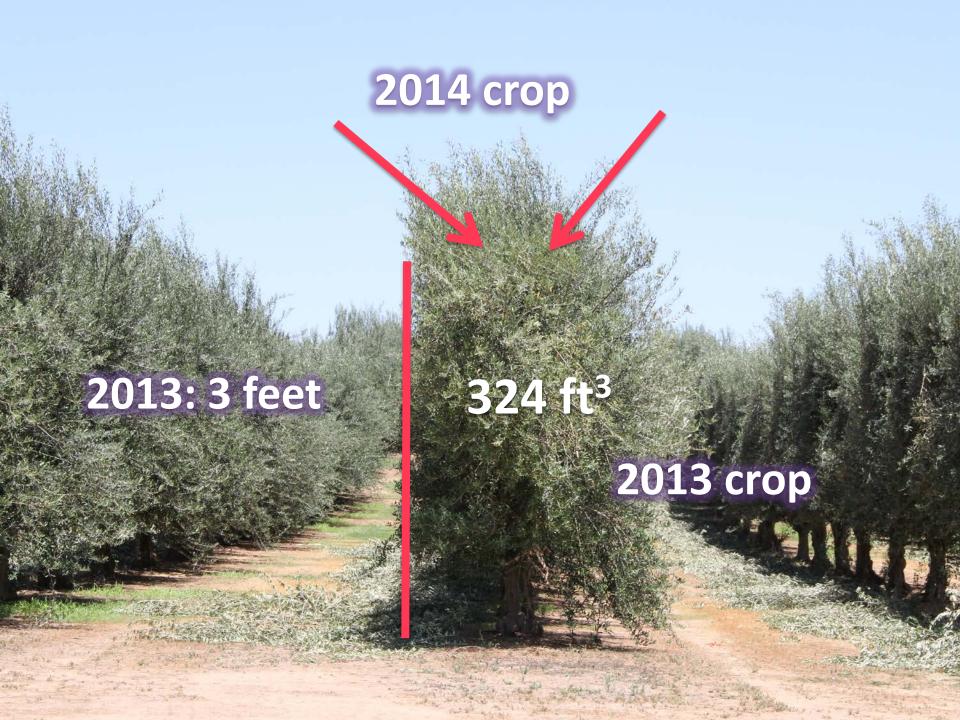
Canopy Contact Prototype



Effect of Hedging and Topping on Yield Average Annual: 2008 - 2013







Mechanically vs. Hand Pruned Hedgerow

- Hand:
 - 3.7 tons/acre
 - 80 % harvestefficiency

Mechanically:

- 4.3 tons/acre
- 81% harvest efficiency









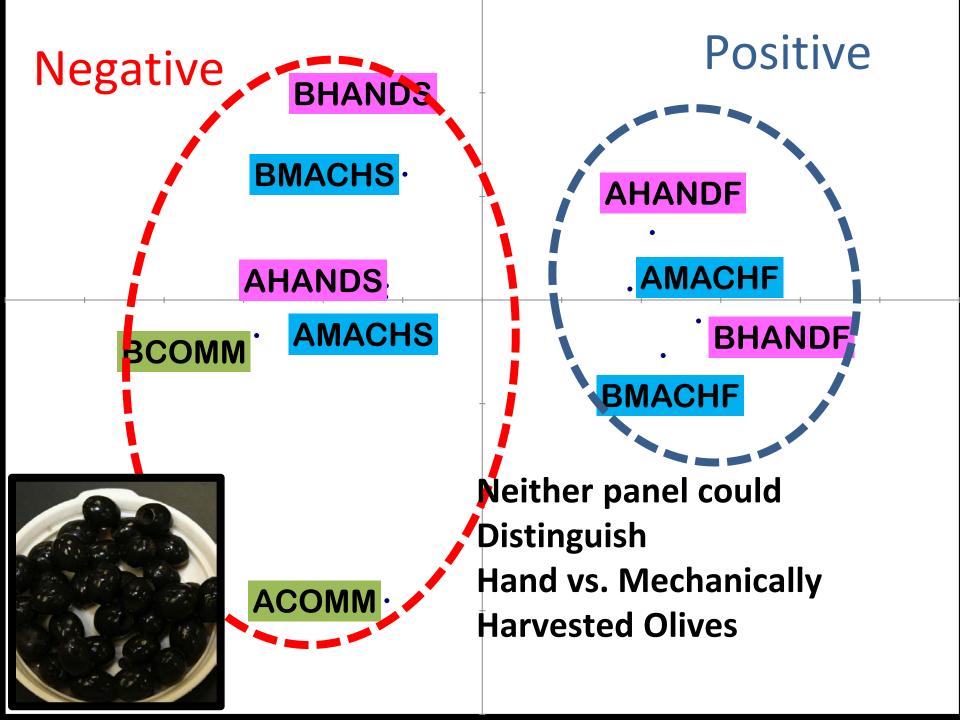


Taste Test for Black Olives

1~3 pm RMI Sensory Rm.1000

Consumer Preference Panels

10 ~ 3 pm



Mechanical Harvesting Progress Summary: 2008 -2013

- -Trunk shaker
 - 77% efficiency
 - Grades = hand harvest
 - Commercially available
- Canopy Contact Harvester
 - 80 92% efficiency
 - Grades = hand harvest
 - Prototype with no catch frame

Mechanical Pruning + Harvesting 2014 Progress and Plans

- Rocky Hill Ranch: 139 trees/ace
 - Interior hand cuts: 3/25/2014
 - Mechanically hedged: 4/21/2013
 - crop failure
- Nickels Estate: 202 trees acre
 - Mechanically and hand pruned 5/16 + 28/2014
 - University of Cordoba Mechanical Harvesting Group
 - Testing two canopy contact harvesters
 - Prototype (EVA funding)
 - Double sided Coe (Argentinian purchaser)

