Fine Americas, Inc.

Falgro: Cherry Review

falgro

Gibberellic acid (GA_3)

- Originally discovered as a secretion from rice pathogen *Gibberella fujikori* in 1898
- Naturally occurring
- Produced by fermentation
- Absorbed through leaf, branches & fruit and transported to actively growing plant tissue

Gibberellic acid (GA_3)

- Primary Physiological Effects:
  - Promotes cell growth
  - Promotes cell elongation
  - Accelerates fruit growth
  - Delays maturation i.e. prolongs the time fruit remains on the tree

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- Made by Fine Agrochemicals, the second largest gibberellin producer in the world.
    - Using *Gibberella monoliforme*
    - Fine Agrochemicals proprietary strain
- 25 years of experience in PGRs
- Quality assured production to ISO 9001 standards
- Available as a 20% soluble powder and 4% liquid
- Formulated in the US
- Registered on over 30 different crops (cherries, blueberries, hops, etc.)
- Approved for organic use by the WSDA and Organic Materials Review Institute (OMRI)

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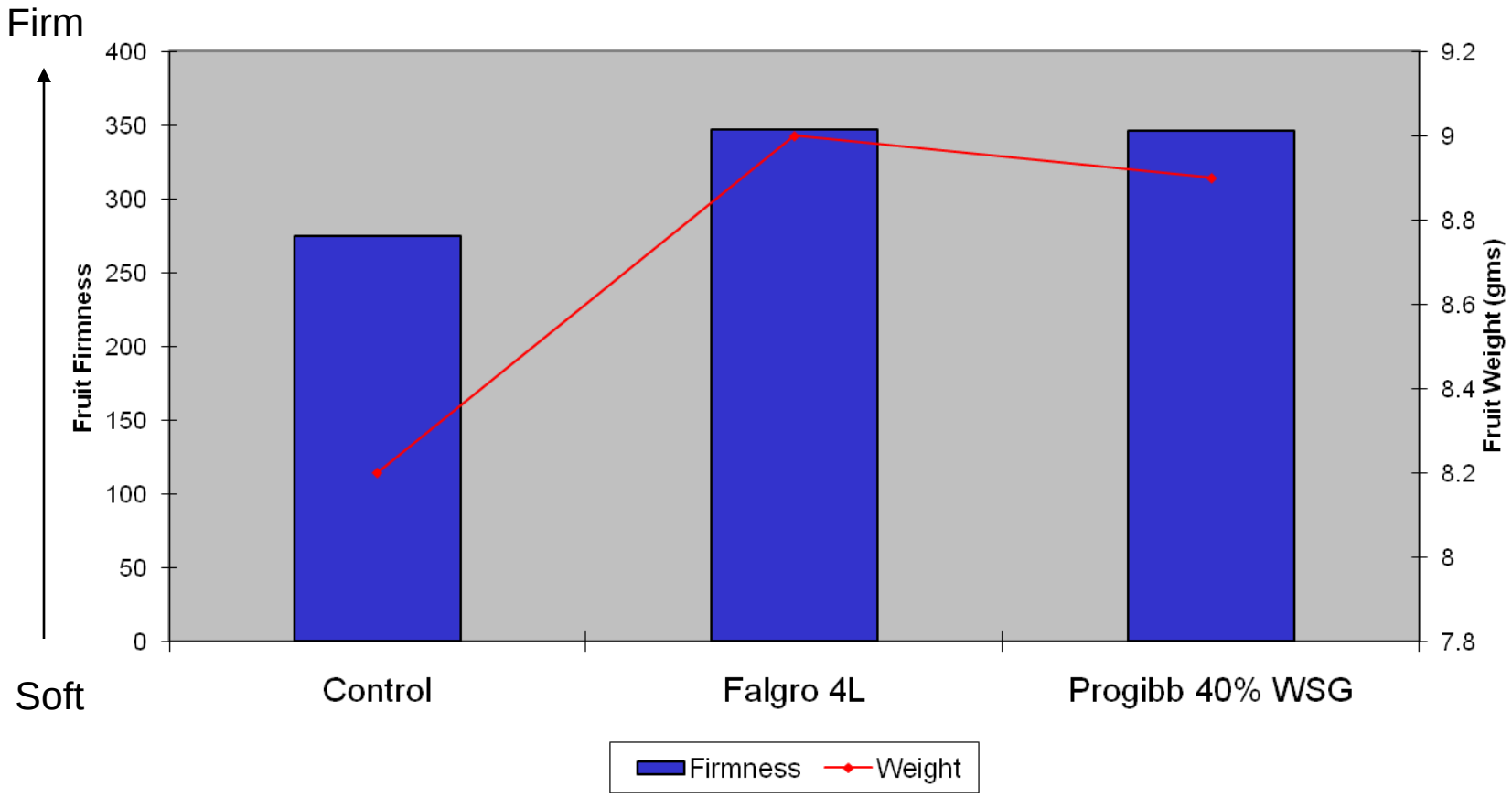
Sweet Cherries

- Falgro delays fruit maturation and senescence, allowing for additional fruit growth while maintaining fruit firmness and stem condition for better shipping and additional shelf life.
- Cherries treated about 3 weeks before harvest with Falgro will be firmer, sweeter, larger and less susceptible to surface pitting.
- Apply Falgro at 1 to 3 pints of the 4% liquid or 2.8 – 8.5 ounces of the 20% SG formulation per acre.
- Falgro 4L or 20SP should be applied in sufficient water to fully wet the tree and fruit.

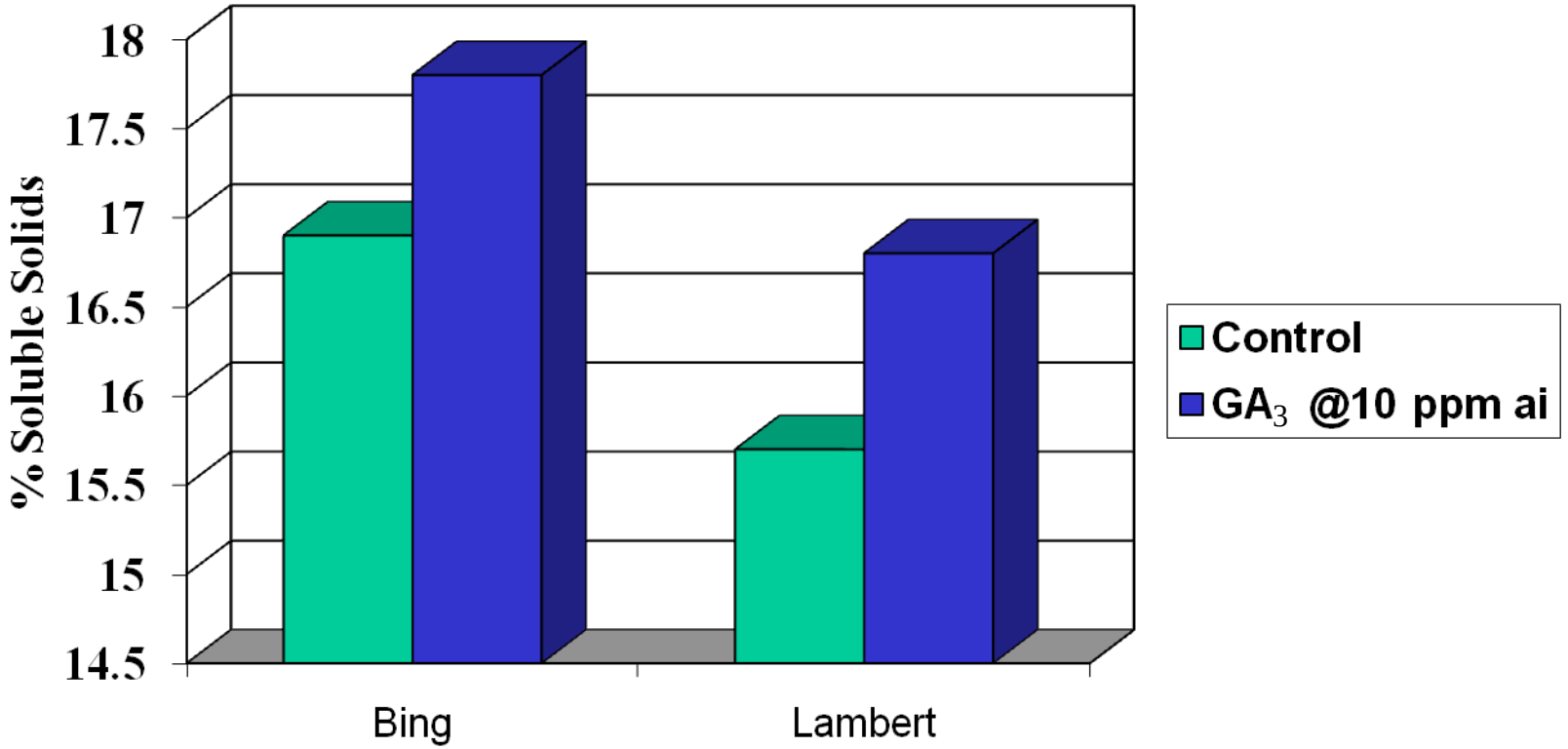
Effects of GA_3 Formulation on Sweet Cherry Firmness and Weight



GA_3 rate: 16 ppm

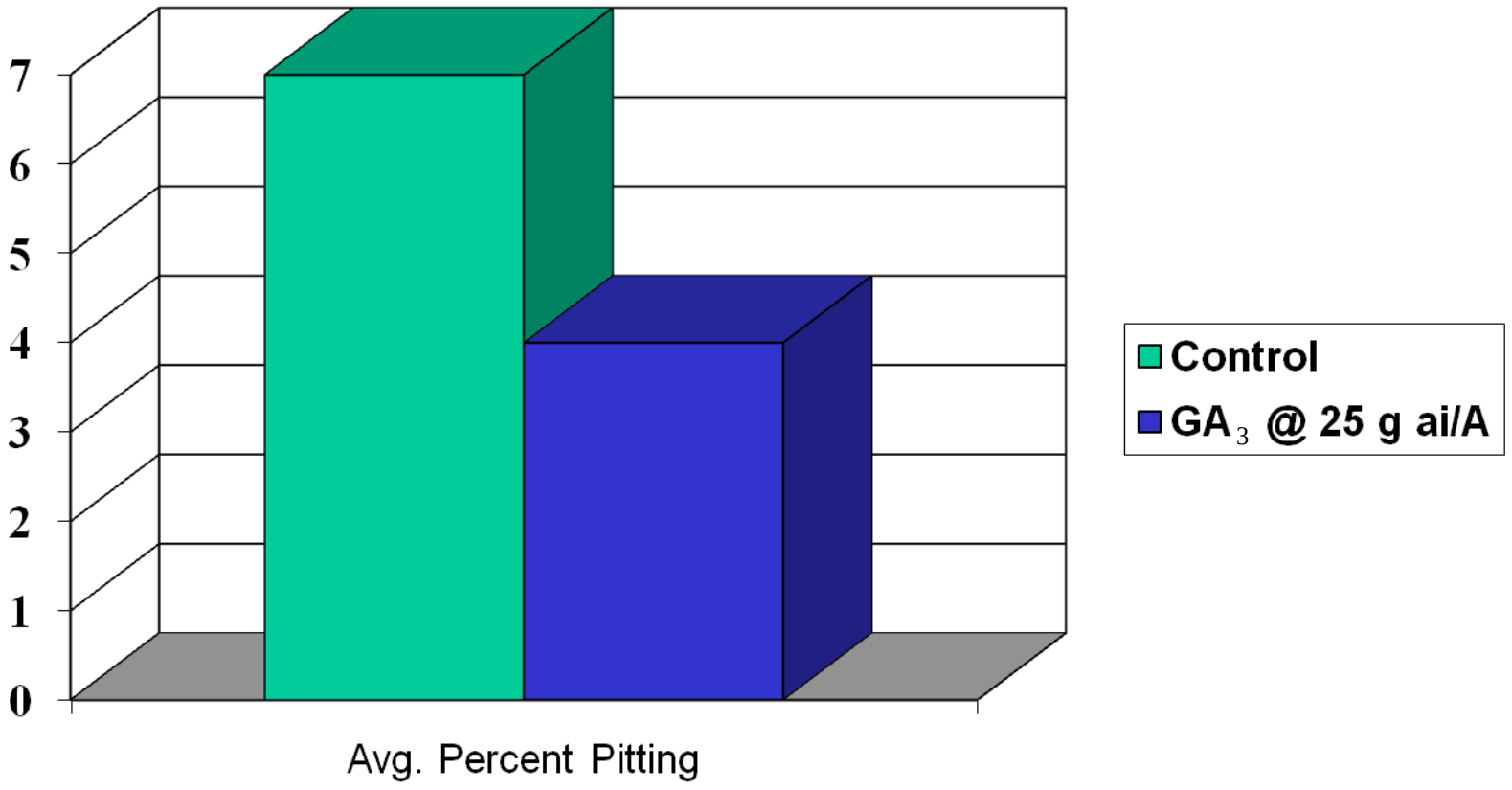
Trial Location: Pullman, WA

Average effect of GA_3 on soluble solids evaluated over 3 years in 4 orchards on two cultivars



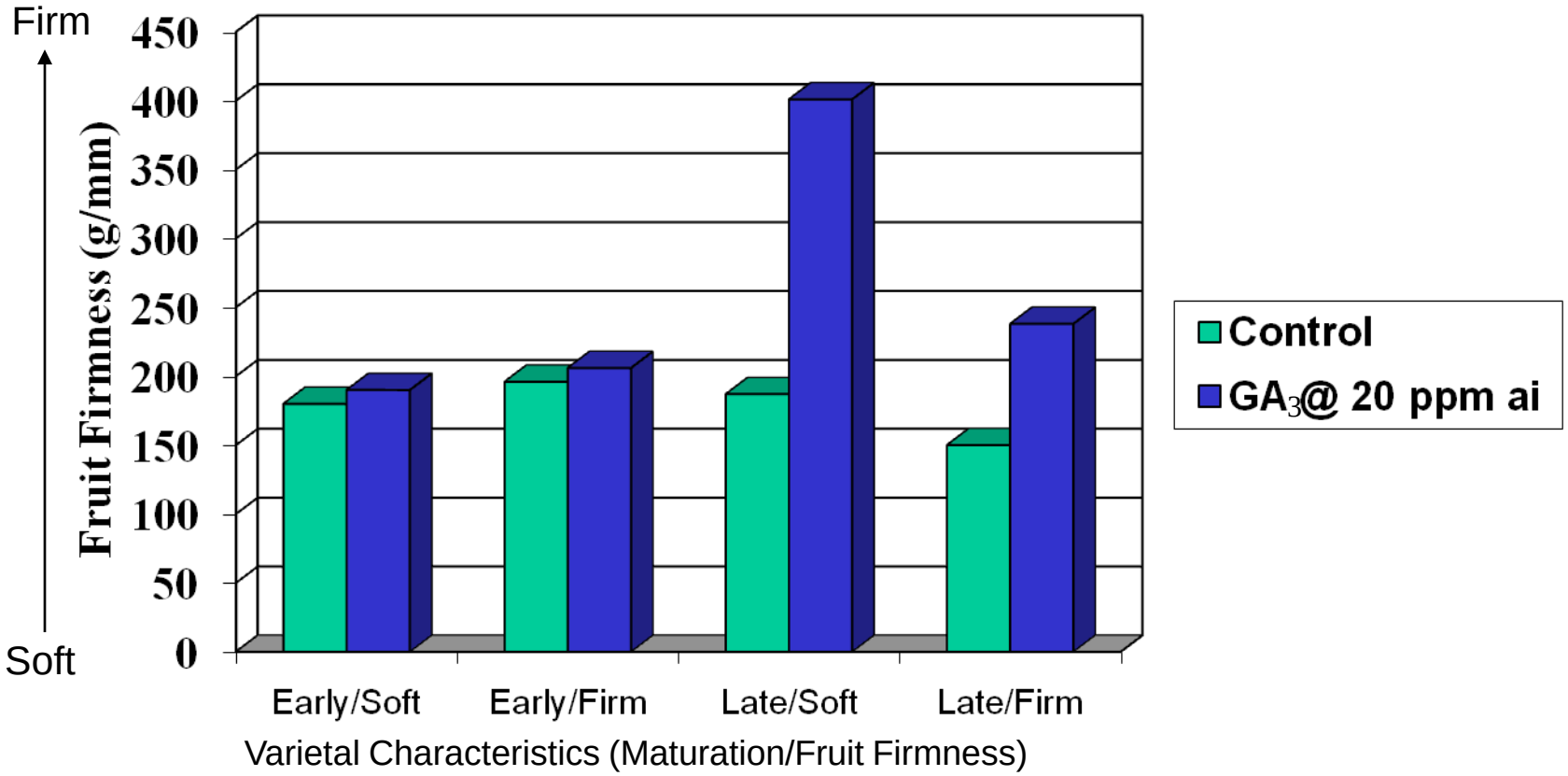
Washington State University; Pullman, WA

Average effect of GA_3 on surface pitting evaluated over 3 years on 'Bing' cherry



University of CA, Davis

Effect of GA_3 on Sweet Cherry Firmness

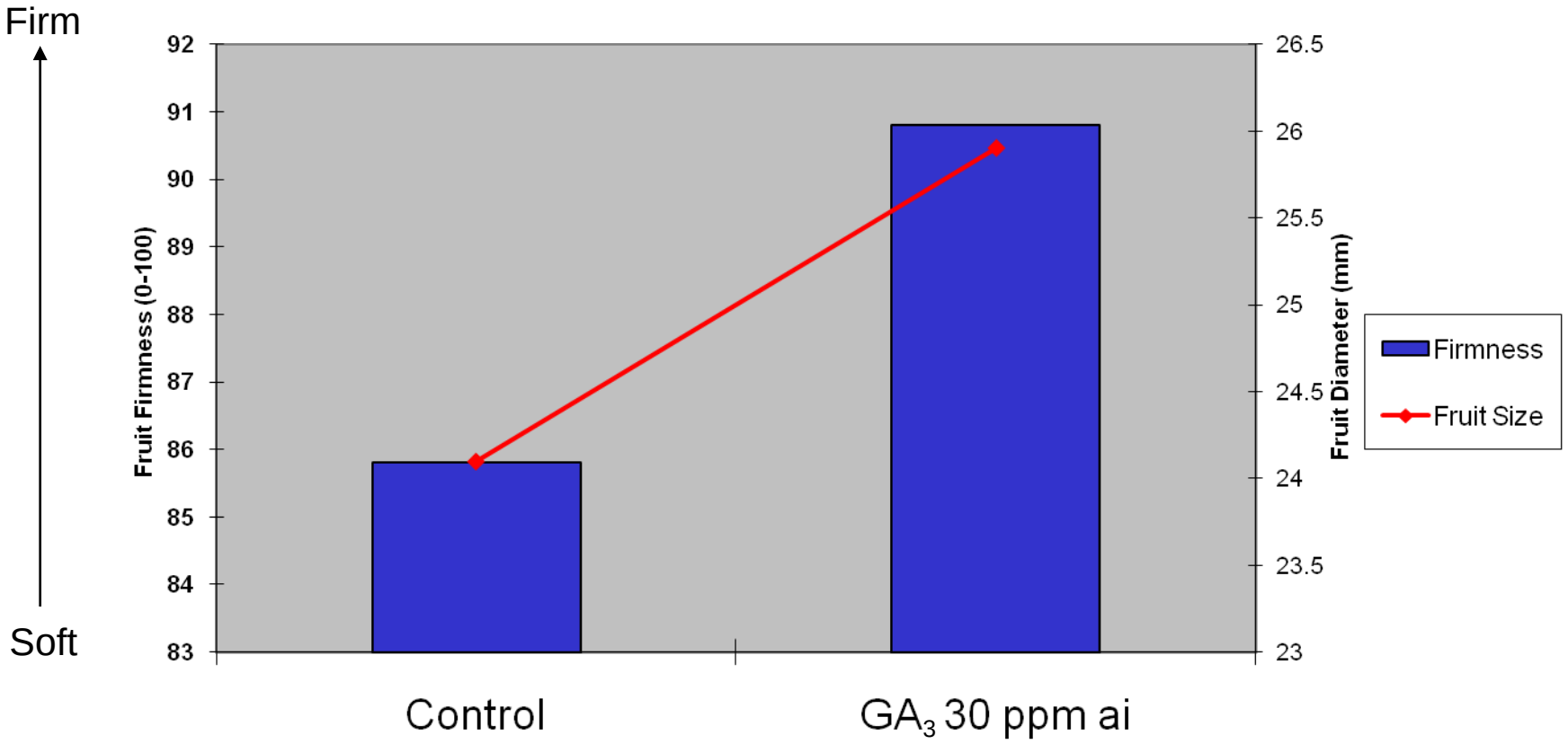


20 ppm ai = 20 fl oz Falgro 4L / 100 gm Falgro 20SP per acre

Treatments applied at straw colored fruit stage

Pacific Agri Research Center; Summerland, BC (CN)

Effect of GA_3 on Sweet Cherry Size and Firmness



30 ppm ai = 30 fl oz Falgro 4L / 150 gm Falgro 20SP per acre

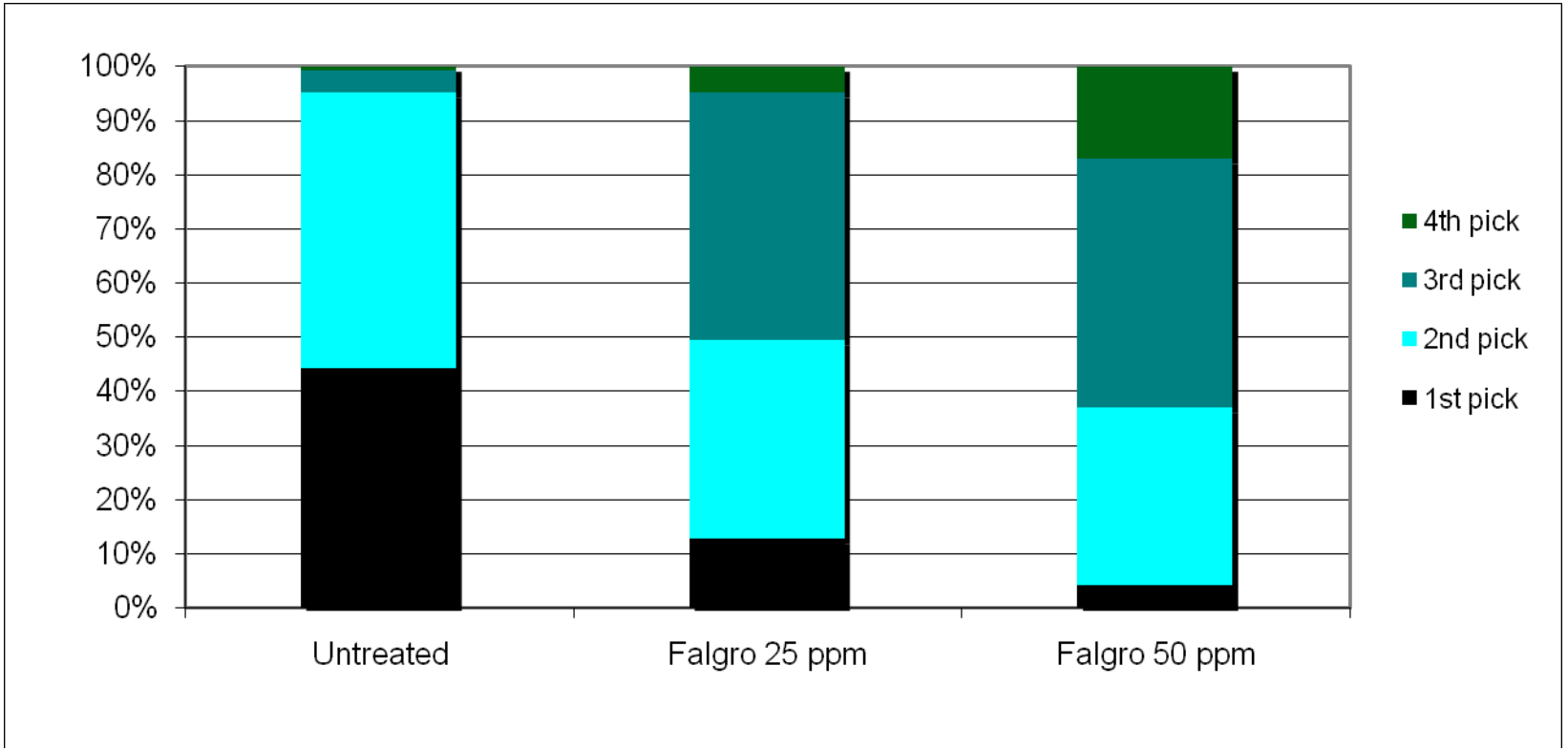
Treatments applied at straw colored fruit stage

Variety: 'Sweetheart'

Laboratory of Postharvest and Quality of Fruits; Balcarce, AR

Effects of Falgro 4L on Cherry Maturity

WSU; 2006

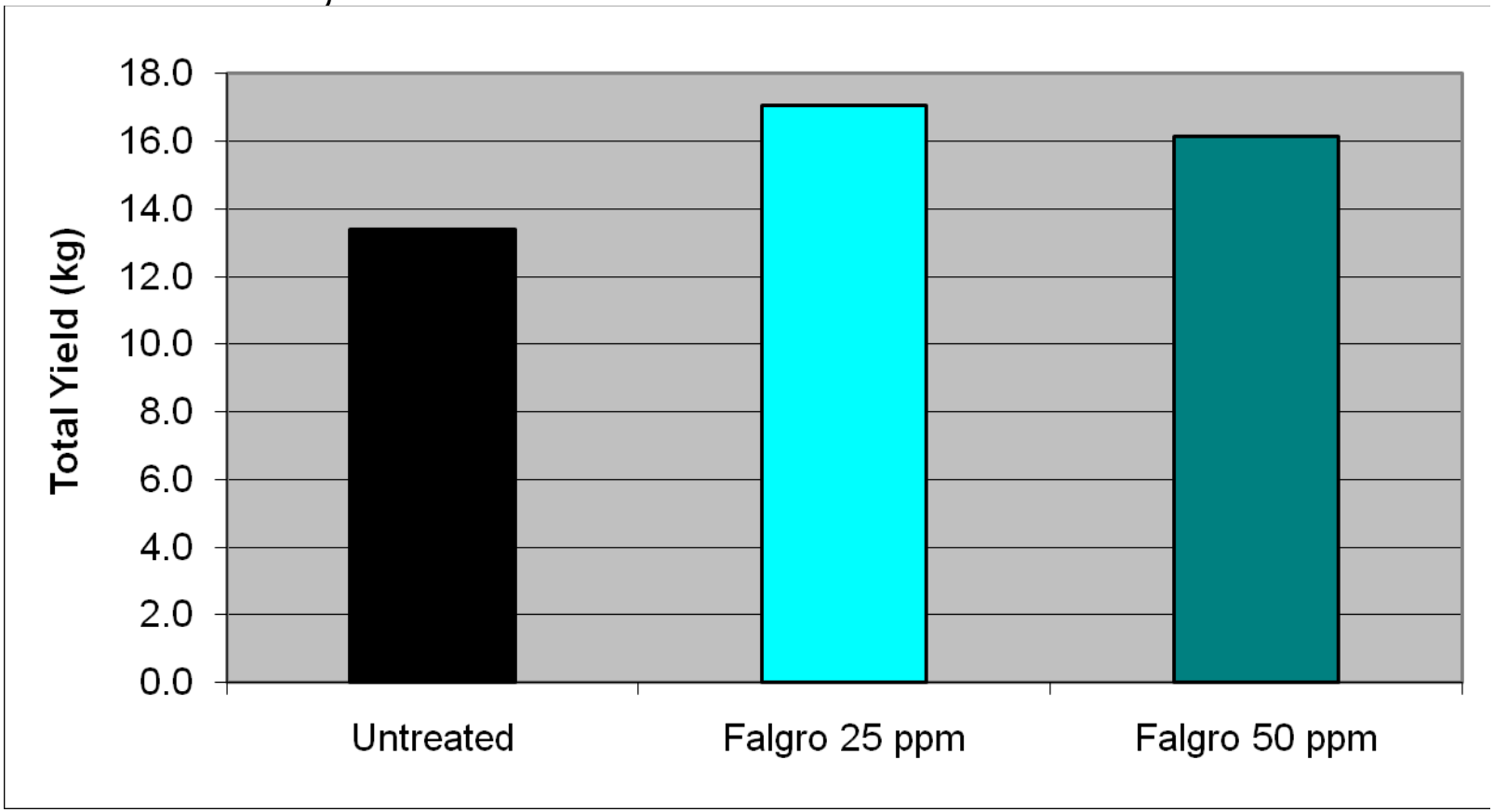


Cultivar: Rainier
Location: Buena, WA

Application Date: 6/6/06
Harvest Dates: 6/23, 7/1, 7/10, 7/19

Effect of Falgro 4L on Cherry Yield

WSU; 2006

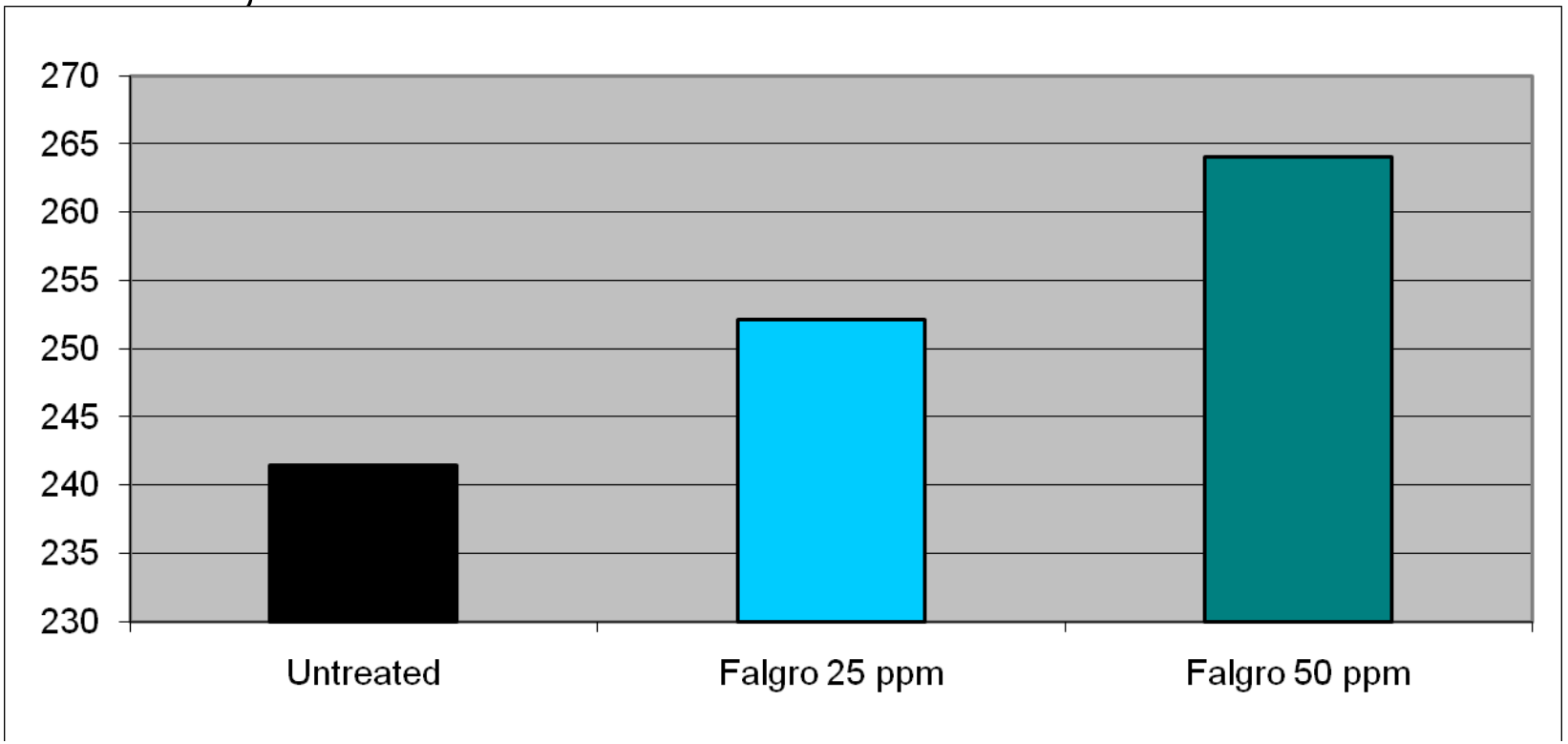


Cultivar: Rainier
Location: Buena, WA

Application Date: 6/6/06
Harvest Dates: 6/23, 7/1, 7/10, 7/19

Effects of Falgro 4L on Cherry Firmness

WSU; 2006



Cultivar: Rainier
Location: Buena, WA

Application Date: 6/6/06
Harvest Dates: 6/23, 7/1, 7/10, 7/19

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- **Bearing Sweet Cherries**
  - Falgro can be used to extend harvest 3 to 7 days, producing larger, brighter colored and firmer fruit.
  - Make 1 application of 16 – 48 g ai/acre, as a dilute spray, on mature trees when fruit is light green to straw colored.
  - Complete and thorough coverage is important.
- **Non-Bearing Sweet Cherries**
  - Falgro can be used to reduce flowering & fruiting of young, immature cherries, minimizing the competitive effect of fruiting on tree development.
  - Falgro application (s) will reduce fruiting in the year following treatment.
  - Make 1 to 2 applications of 10 – 20 g ai/acre, as a dilute spray, 2 to 4 weeks after bloom.
  - Do not treat trees in their first year.