

GS Long Co. - Oregon

Particle Film Products

- Purshade (Calcium Carbonate)
- Surround (Kaolin Clay)
 - Surround typically beats Purshade, but wash-off is Surround's weakness
- Primary use is for sunburn protection
- Other uses:
 - In CA, attempts have been made to manage bloom- with little success
 - Trials in WA (apples, cherries) were not successful

No response in an effort to delay bloom



UTC

Surround 3 x100 lbs



Purshade 3 x 10 gal

UTC

Other Particle Film Uses

- In CA, these products are used on cherries after harvest to reduce heat stress and doubling the following year
 - Consider the unique climate of California and timing of harvest
- Sunburn on cherries, including stems
 - Being explored
 - If interested in trials, please contact GS Long
 - A good question to start with is, “What is the average value of this problem” and how much can I really manage?

- Things to know as you begin testing:
 - Buffer water to a pH of 5.5 (packing house)
 - Sequential apps at a lower rate do better than high rates spaced at longer intervals (growth, coverage)
 - Always test tank-mixes stickers and oils on a small scale.
 - Purshade will drop the water pH significantly

Sevin Use for Spotted Wing Drosophila in Cherries

Sevin[®] XLR on Cherries in Oregon 2013

brand Carbaryl Insecticide

Oregon State University

Investigator: Dr. Peter W. Shearer

Location: Hood River

Spotted Wing Drosophila Mortality on Leaf after 48 Hours Exposure

Adult female exposed to treated cherry foliage

Mean % Mortality

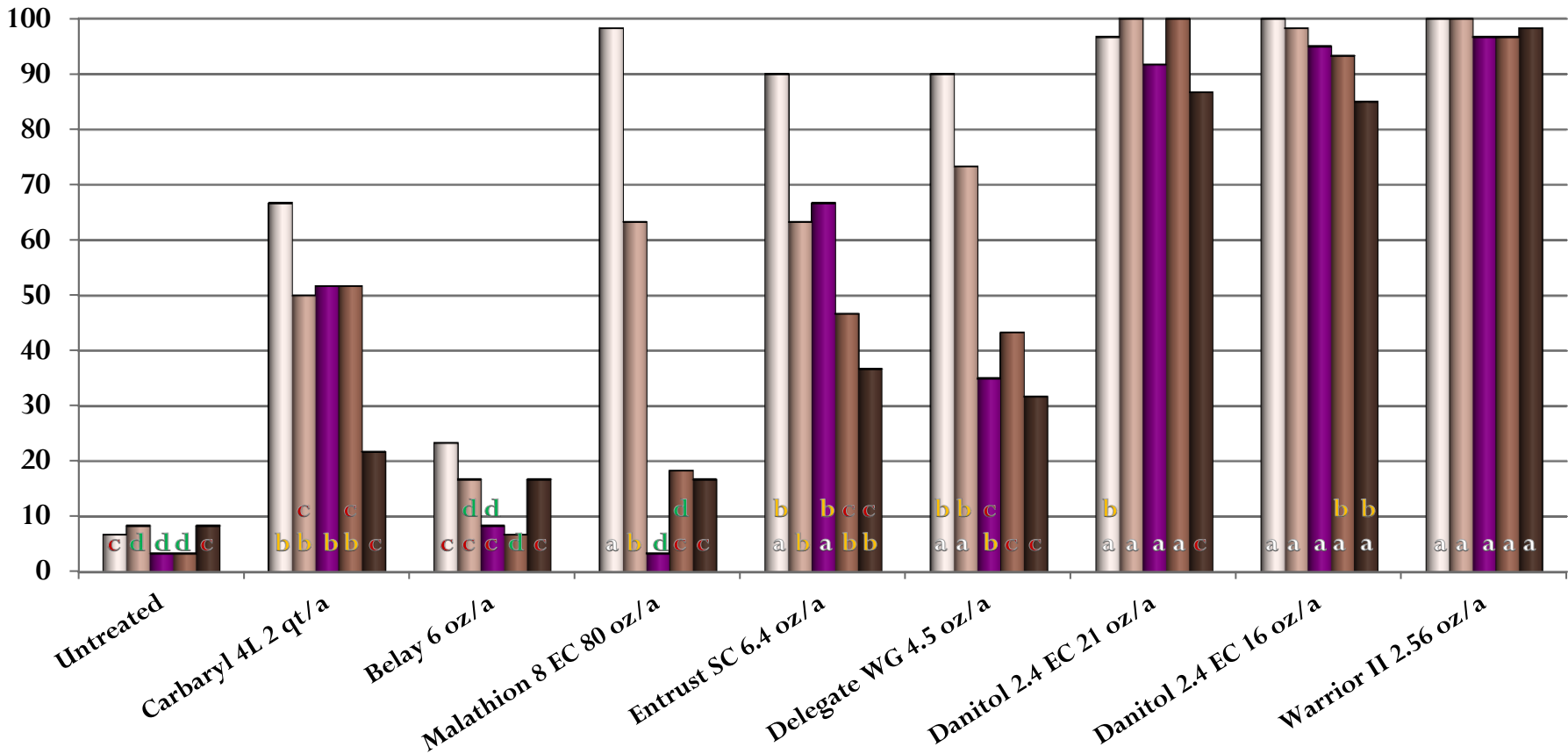
□ 1 DAT

■ 3 DAT

■ 7 DAT

■ 10 DAT

■ 14 DAT



Dec 13
Means with the same letter do not significantly differ

Application Date: 7/24/12

Site Design: RCB7

Spray Volume: 100 GPA

Sevin[®] XLR on Cherries in Oregon 2013

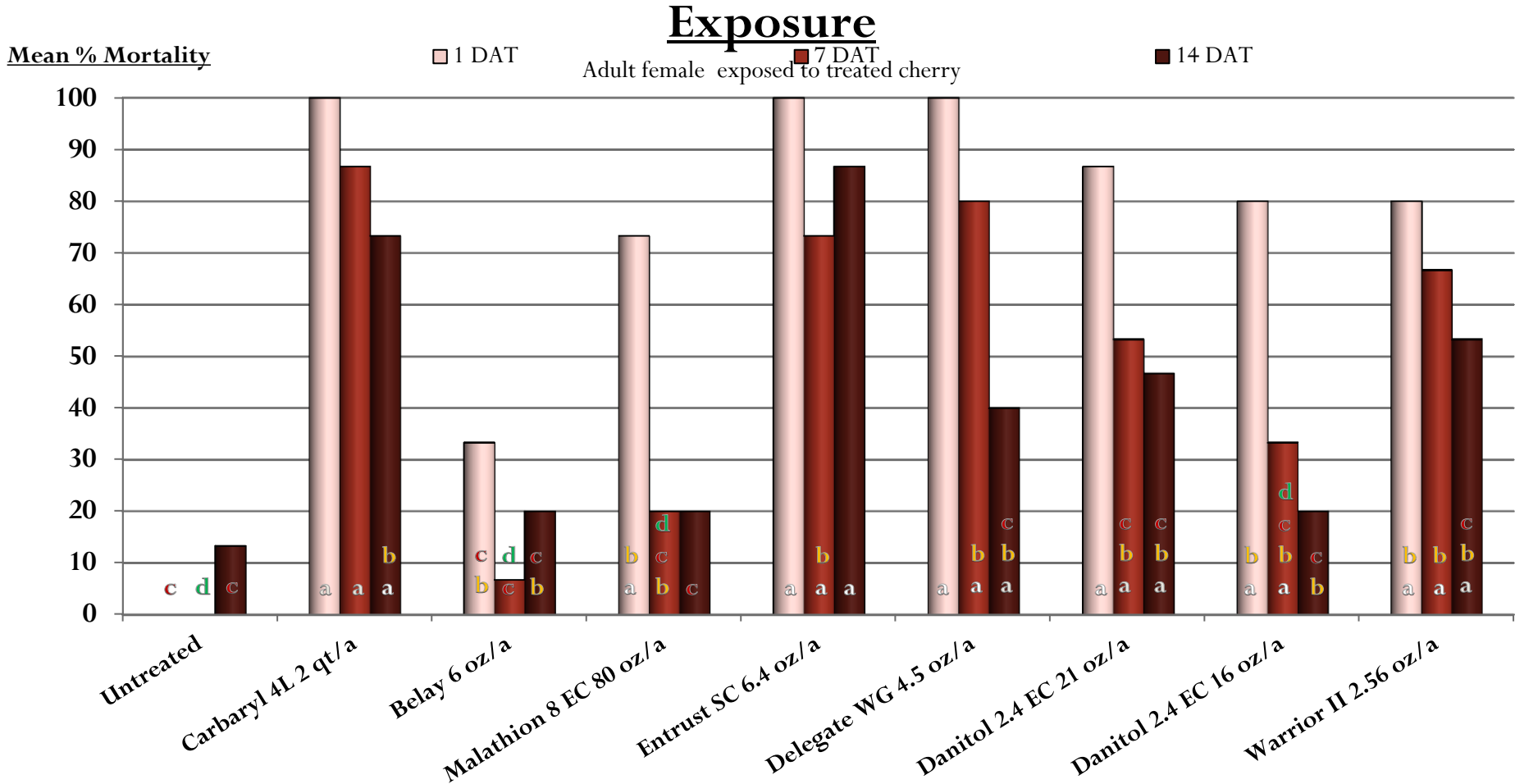
brand Carbaryl Insecticide

Oregon State University

Investigator: Dr. Peter W. Shearer

Location: Hood River

Spotted Wing Drosophila Mortality on Fruit after 24 Hours



Dec 13
Means with the same letter do not significantly differ

Application Date: 7/24/12

Site Design: RCB8

Spray Volume: 100 GPA

Spotted Wing Drosophila Eggs Laid on Fruit after 24 Hours

Exposure

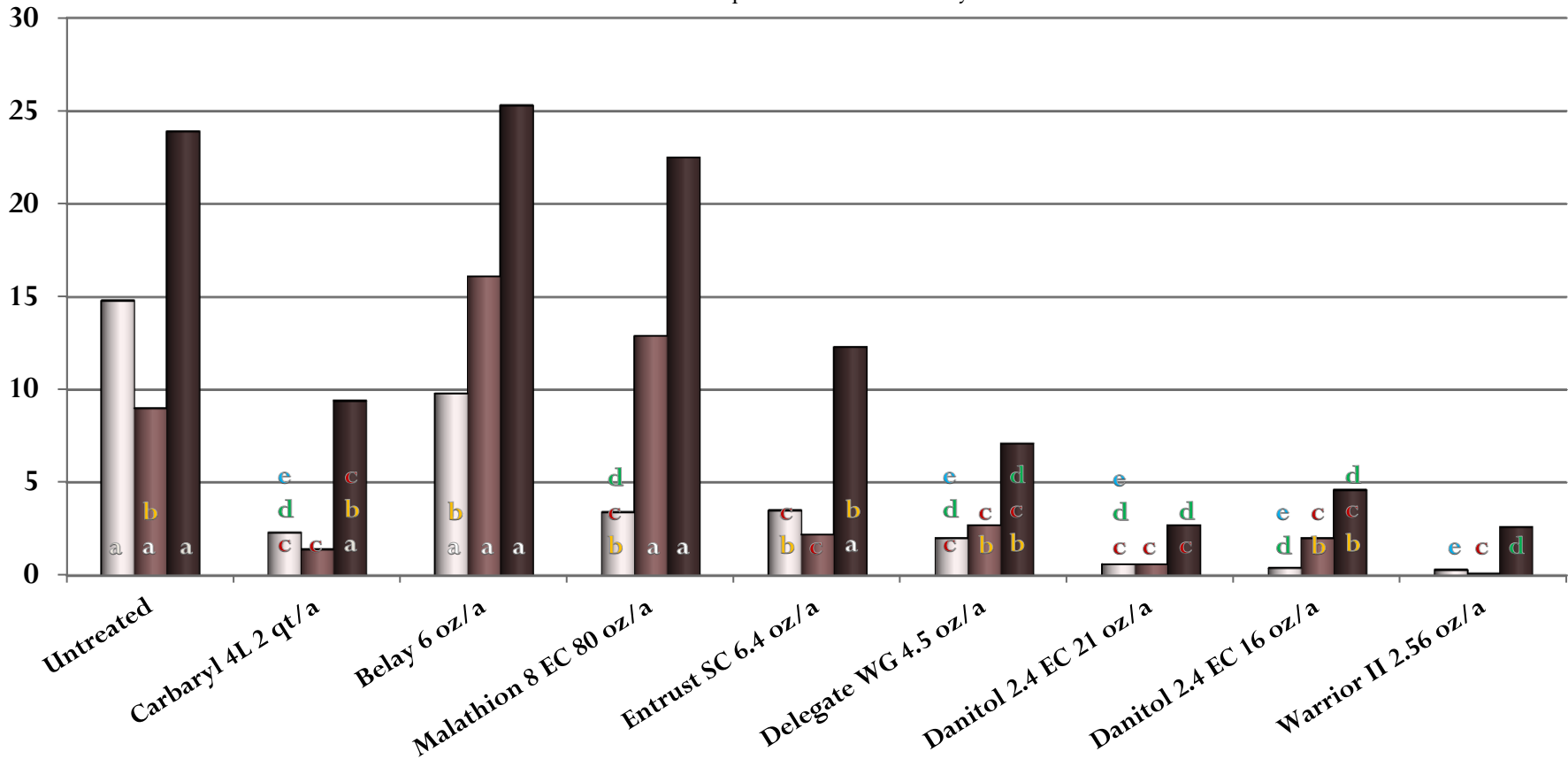
Number of Eggs

□ 1 DAT

Adult female exposed to treated cherry

■ 7 DAT

■ 14 DAT



Dec 13
Means with the same letter do not significantly differ

Application Date: 7/24/12

Site Design: RCB9

Spray Volume: 100 GPA

Lime sulfur

- NovaSource just took over the lime sulfur business from our fertilizer group

Thank You!

- Kyle Coleman
- NovaSource
- 509-430-2299