



SWD DAY NEUTRAL STRAWBERRIES AND SILVER REFLECTIVE MULCH

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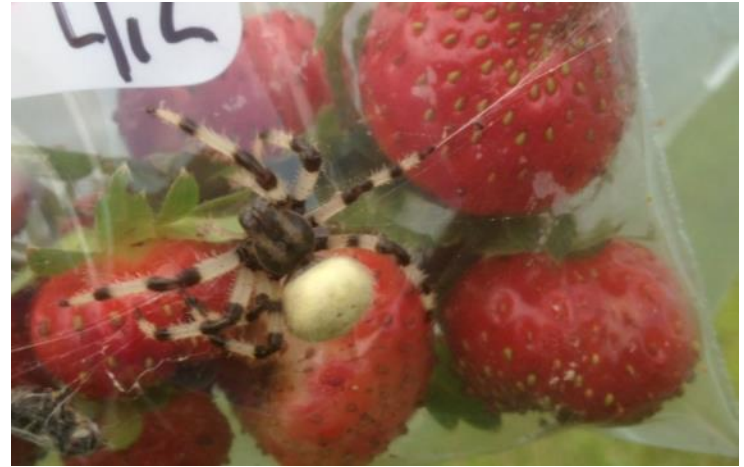
SWD BACKGROUND

- Most (all) Know About SWD
- Small Fruits
 - Blackberry
 - Fall Raspberry
 - Blueberries
- Tree Fruits
 - Cherries
 - Stone fruits (Plums, Peaches)



WHAT ABOUT STRAWBERRIES?

- June Bearing
 - Short Season
 - Fewer Available Fruit
 - Lower susceptibility to SWD
- Day Neutral
 - Long Season
 - Similarities to Fall Raspberries
 - Positive SWD Samples in 2012



ABOUT THE EXPERIMENT

- Primary Interest Reflective Silver Mulch
 - Successful Onion Thrips
 - Decided to Broaden Experiment
 - Mulch and Weed Study
- Laura McDermott and I
 - Wal-Mart CARS Grant
 - Not Funded
 - Conducted Limited Trial

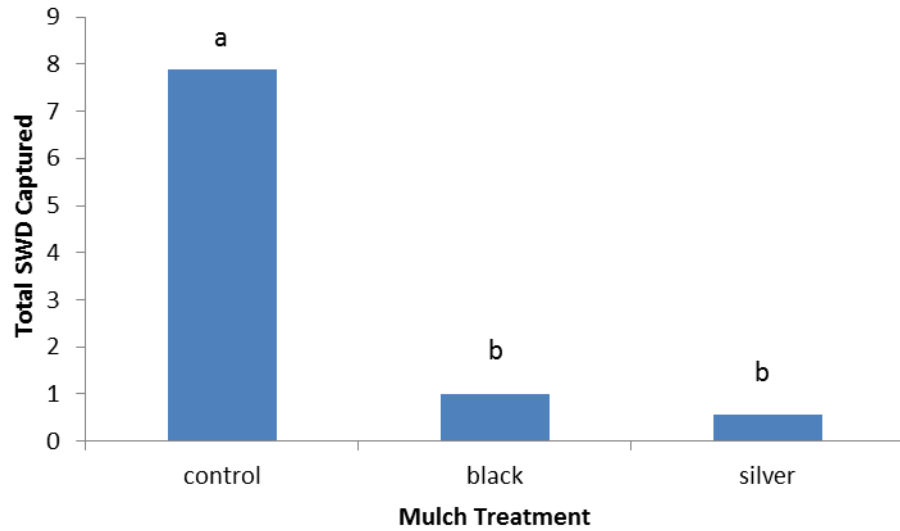


EXPERIMENTAL DESIGN

- Replicated Trial
 - 3 Treatments, 3 Reps
 - 127-152 cm Treatment Area
 - 2 Locations
- Monitoring
 - CV Yeast Combination Trap
 - Collected 10 Fruit Weekly
- SWD Confirmation
 - Adults and Fruit Microscope
 - Incubated Fruit



RESULTS

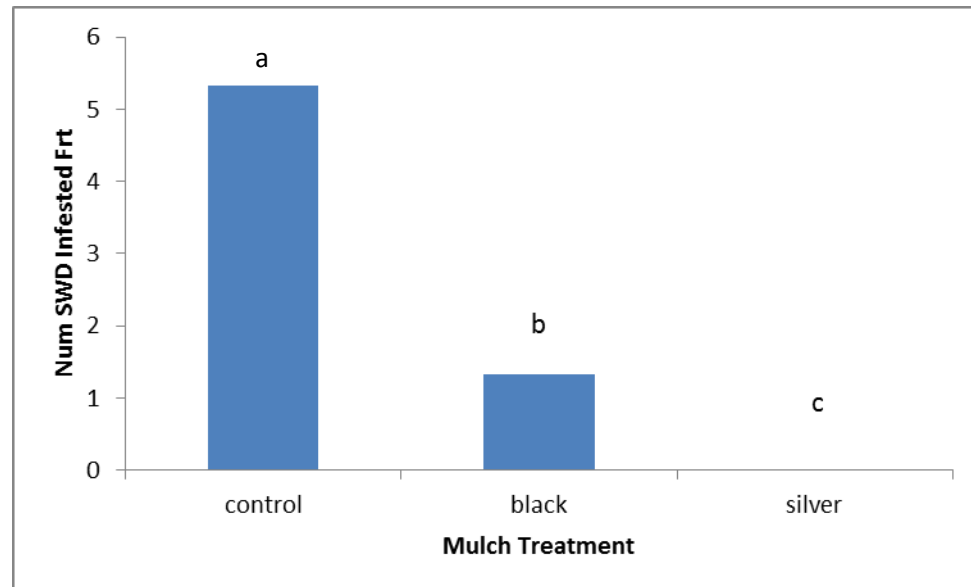


Total Mean SWD Adults

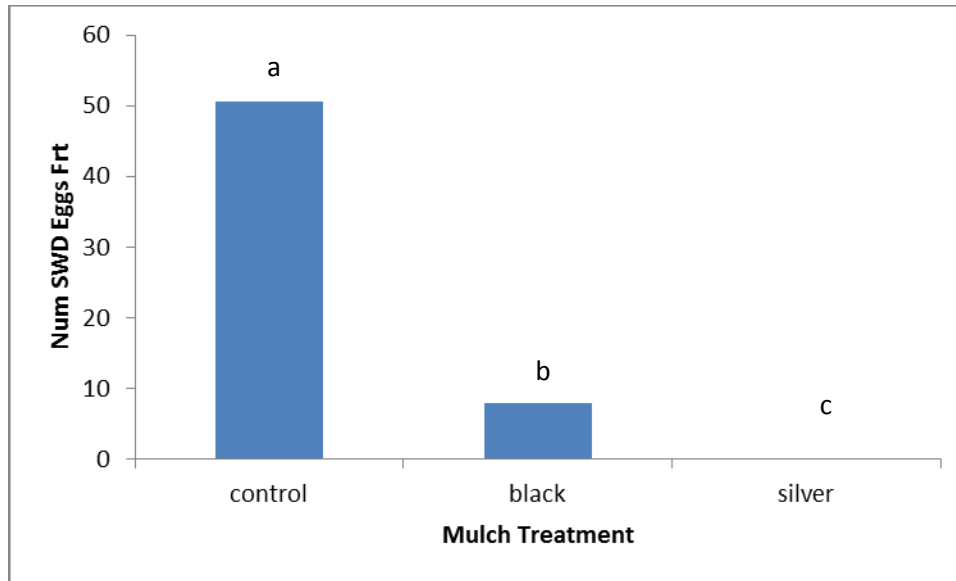
Lower Capture Mulches

Mean Infested Fruit

0 Found in Silver



RESULTS



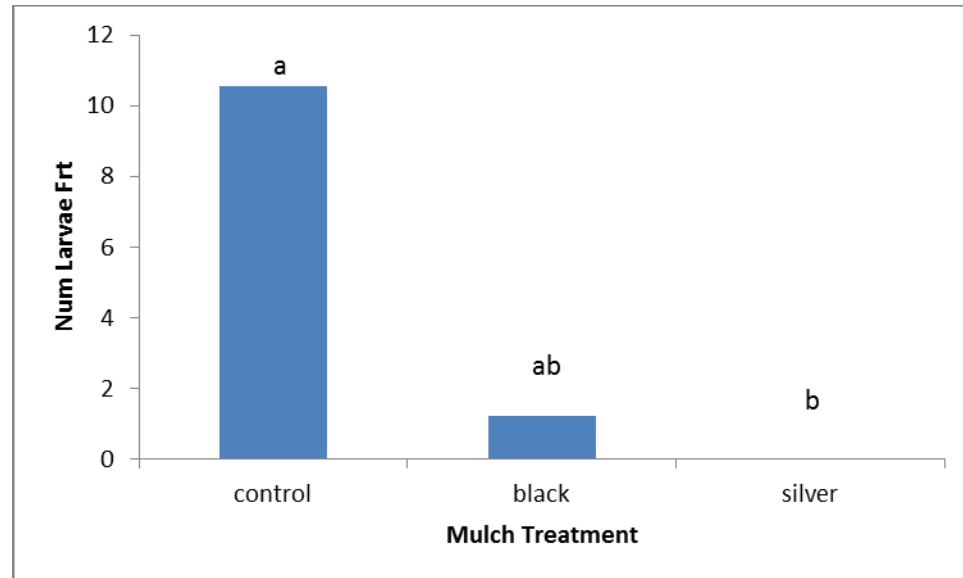
Mean Number Eggs/Fruit

Lower Levels in Mulches

Mean Number Larvae/Fruit

Mulches Beneficial

Fewer Larvae in Silver



FUTURE RESEARCH

- Another Experiment
 - 2013 Data Limited But Promising
 - More Robust Sampling
 - Mulches (Silver, White)
- Another Grant
 - Useful Feedback CARS
 - SWD Not Going Away
 - Data Collected as Support



ACKNOWLEDGEMENTS

- Laura McDermott
 - My First Grant
 - Enthusiastic About Project
- HVL Entomology
 - Statistics/Experimental Design
 - Processing Samples
 - Love of SWD
- Growers
 - Upstate Farms Red Hook
 - Samascott Orchards Kinderhook



QUESTIONS

