

Spotted Wing Drosophila in PA

Kathy Demchak

David Biddinger

Neelendra Joshi

Penn State University

2013

General Observations

- **First catches in week prior to July 10**
- **No catches in June strawberries**
- **Similar pattern to 2012**

- **“Look-alike” in May**
- **Difficulties in female ID and confusion**

2012-13

- **Late 2012**

- **13 trials, ACV plus 29 variables**
- **Definitely can repel with wrong bait**
- **Prize: 24,000 SWD in 4 days (late Oct)**
- **Merlot/ACV performed “best”**

- **2013**

- **Differences in “best” bait for first catch**
- **Fruit incubation vs. trap catches**
 - **Didn't work so well with red raspberries, but is there potential here?**

Thoughts...

- **Female SWD look-alikes -**
 - **Key features? Point, ovipositor tip?**
- **“Best” bait differences -**
 - **Standardization? Other factors?**
- **Incubation protocol for various fruits**
- **How long is exposure to high temps needed (temp/duration) to decrease population?**