7/14/14 - 1st adult SWD (male: ACV + RIV in raspberry patch)

7/15/14 – 1st infested raspberry (reared 2 SWD pupae 7/16/14)

7/22/14 – 1st infested blueberries

8/22/14 – Commercial grower 90% infested (no spray)
Reared 165 swd pupae from 72 blueberries

8/29/14 – Commercial grower 50% infested (last spray 10 days)
Reared 67 swd pupae from 72 blueberries
URI research

• Trap-out – Suzukii Trap bait in red cups
• Bait comparison
• Blueberry position on bush
  – Lower, Middle, Upper
### Trap-out Sweet Berry Farm

![Trap-out Sweet Berry Farm](image)

#### 6’ x 9’ planting

- **X**: traps
- **Red**: sampled bushes

|      | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
|------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1    |   | N |   |   |   |   |   |   |   |    |    |    |    |    | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 2    |   | N |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 3    |   |   |   |   |   |   |   |   |   | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 4    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 5    |   |   |   |   |   |   |   |   |   |    | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 6    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 7    |   |   |   |   |   |   |   |   |   | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 8    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 9    |   |   |   |   |   |   |   |   |   |    | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 10   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 11   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
Trap-out

• Traps monitored weekly
• Berries collected weekly from ripe varieties
  – 24 berries/bush
• Changed traps twice after rain (Boric acid treated)
Trap-out : no difference

- Lid on trap block SWD?
- Bushes too pruned?
- Last year found more SWD in bushes with traps
Bait Comparison – URI

2 Wooded reps
2 Blueberry reps
1 Raspberry rep – very few raspberry plants
Bait Comparison

1. Red raspberry essence
2. Cowles synthetic
3. Suzukii Trap – *Earliest capture 7/16/14 in raspberries*
4. Kombucha
5. ACV
6. Trece
Bait Comparison

1. Red raspberry essence
2. Cowles synthetic – next week in blues
3. Suzukii Trap – Earliest capture 7/16/14 in raspberry
4. Kombucha – next week in woods & raspberry
5. ACV
6. Trece – next week in woods
Bait Comparison

1. Red raspberry essence – 2 more weeks 8/6/14 woods & blues
2. Cowles synthetic – next week
3. Suzukii Trap – Earliest capture 7/16/14
4. Kombucha – next week
5. ACV – 2 more weeks - 8/6/14 in blues
6. Trece – next week
Bait Comparison

1. Red raspberry essence - 14
2. Cowles synthetic - 21
4. Kombucha - Max 46 swd in woods 8/27/14
   Max 40 swd in blues 8/27/14
5. ACV - 6
6. Trece – Max 53 swd in woods 8/27/14
Berry position on bush

- Lower 10”-20”
- Middle 36”-46”
- Upper 58”-68”
- Collected 24 berries per position – 2 bushes per collection
Where are SWD laying eggs?

<table>
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<tr>
<th>Farm</th>
<th>Lower</th>
<th>Middle</th>
<th>Upper</th>
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<td>46</td>
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<td>32</td>
<td>22</td>
</tr>
<tr>
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<td>8/29/14</td>
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