

SWD in Rhode Island 2014

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

	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 Northland			o	o	o	o	o	o	o	o	o	o	o	o	o	o	X	o	o	X	o	o	X	o	o	X	o	o	X	o	o		
2 Northland			o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	
3 Bluejay			o	o	o	o	o	o	o	o	o	o	o	o	o	o	X	o	o	X	o	o	X	o	o	X	o	o	X	o	o	o	
4 Bluejay			o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	
5 Bluecrop		o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	X	o	o	X	o	o	X	o	o	X	o	o	X	o	o	o	
6 Bluecrop	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	
7 Chandler	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	X	o	o	X	o	o	X	o	o	X	o	o	X	o	o	o	
8 Chandler	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	
9 Darrow	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	X	o	o	X	o	o	X	o	o	X	o	o	X	o	o		
10 Elliot	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o		
11 Elliot	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	X	o	o	X	o	o	X	o	o	X	o	o					



6' x 9' planting

X - traps

Red sampled bushes

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
3. Suzukii Trap – Max 48 swd in blues 9/3/14
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?

Farm		Lower	Middle	Upper
		SWD	SWD	SWD
EF	7/23/14	0	0	0
EF	7/31/14	21	9	1
EF	8/7/14	96	46	43
SBF	8/19/14	32	22	10
RP	8/29/14	36	15	16

