

Fruit IPM 8/26/14

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PEACH

Brown Rot: Inoculum has been building from picked blocks where culls are left laying in the field. Keep good coverage starting about 3 weeks prior to harvest and make 3 applications at about 9-10 day intervals with the last just before harvest. Some orchards in southern counties have significant rot following last week's heavy rain.

Tufted Apple Budmoth (TABM): Populations are very low at this point, and no treatments should be needed on most farms. If populations increase, then the timings outlined below can be observed at that time.

	Conventional, Diamides	Conventional, Diamides	Intrepid, Rimon	Bt
County Area	AM – 4 middles	EM – 2 completes	EM – 2 completes	EM – 2 completes
Southern	3 rd – 8/16-18; 4 th – 8/24-25	2 nd – 8/20-22	2 nd – 8/20-22	2 nd – 8/25-27
Northern	2 nd – 8/21-23, 3 rd – 8/28-30, 4 th – 9/3-5	1 st – 8/16-17, 2 nd – 8/31-9/3	1 st – 8/19-22, 2 nd – 8/31-9/3	1 st – 8/20-23 2 nd – 8/28-31

APPLE

Tufted Apple Budmoth: See Peach Section above.

Brown Marmorated Stink Bug (BMSB): Some farms are showing low numbers of adults and nymphs. A few fruit are being seen with fresh injury. This is normally the time of year when BMSB starts to become more visible in orchards, so more aggressive programs are justified from now on if BMSB is present.

San Jose Scale: Scale crawlers appeared to be at peak to just past peak emergence for this generation. In addition to the materials mentioned last week, Admire Pro (imidacloprid) may give some suppression and is the only material with a short PHI for stone and pome fruit. We have also observed that when Actara was applied for other pests it also gave good scale control. However, be careful – Actara has a 35 day PHI in apples and a 14 day PHI in peach! This makes it impractical to use on all but late varieties of apples at this time, unless it is used in blocks where peaches have already been picked. We have seen problems with Movento use at this time of year. We have learned that Bayer is now suggesting that Movento should be used only during the first half of the season. Diazinon can be used for scale control, and has shown good activity over the past week. Diazinon has a 21 day PHI for both apples, peaches and nectarines! Esteem is one of the more effective materials that can be used for scale control. Esteem has a 45 day PHI for pome fruit and a 14 day PHI for peach! For growers in southern counties, treatments need to be applied now if not done already. Growers in northern counties have another few days if needed.

Summer Diseases: Conditions are becoming favorable for sooty blotch and flyspeck with higher humidity from morning dews. Keep good coverage, and keep middles mowed to lower humidity in the orchard. Bitter rot is appearing on Empire and Honeycrisp after last week's rain. These varieties as well as Cortland are highly susceptible.

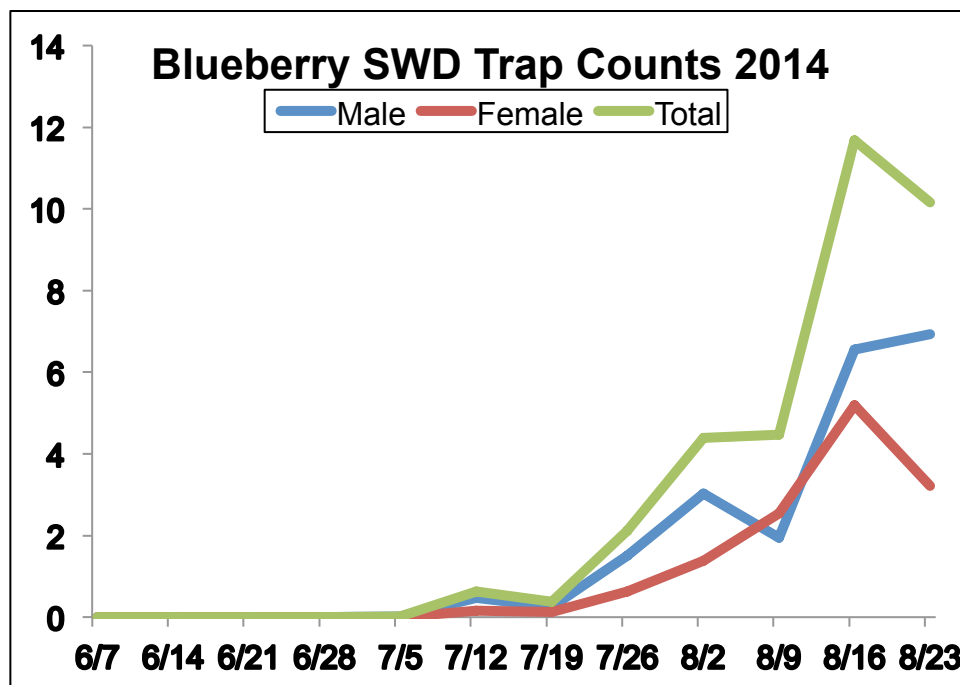
GRAPE

Grape Berry Moth (GBM): There is very little change since last week. Trap counts have started to increase, indicating that adults are emerging, and will mate and lay eggs in the near future. This agrees with what we should be seeing in that the degree day model calls for treatments to be applied by the end of the month. Any treatments for the 4th generation will be due by the very end of August in southern counties on or about 8/30. This timing is for insect growth regulators (IGR's), and other materials such as Altacor, Belt and Delegate, which must be applied to early life stages. OP's and pyrethroids can be applied a few days later.

Grape Trap Captures 2014		
Date	GBM	GRB
7/5	4.3	2.3
7/13	6.2	7.5
7/20	.25	18.5
7/26	.5	14
8/2	.3	15
8/9	.1	16.7
8/16	.2	7.8
8/23	1.0	6.0

BLUEBERRY

Spotted Wing Drosophila (SWD):



Traps were taken down this week, so this is the last graph of SWD activity for the season. Trap counts showed or implied that SWD was at much lower levels this year, and started much later this year compared to 2013. Overall, the Trecé bait caught consistently more flies than ACV or the experimental Suzukii bait, although we did get significant number in the Suzukii traps this past week.

Putnam Scale: Crawler emergence has increased significantly. On 8/17-18 we saw up to 172 crawlers per tape trap. By 8/25 that number had increased to 200 crawlers per trap. This is likely the peak of crawler emergence. If not already done so, insecticides should be applied now on fields where scale is present. At this point in time, use either Esteem or Diazinon. No matter what the insecticide is, use enough volume to cover the entire bush and all bark surfaces. Do not use aerial sprays for scale control.

Sharpnosed Leafhopper (SNLH): The SNLH adult flight continues to sputter along at low levels. Since the population is still so low, no treatments are needed at this time.

Blueberry Insect Trap Captures

Week Ending	BBM	SNLH
Burlington Co.		
7/26	0.06	0.06
8/2	0.055	0.0
8/9	0.0	0.0
8/16	0.0	0.13
Atlantic Co.		
7/26	0.33	0.0
8/2	0.2	0.0
8/9	0.27	0.083
8/16	0.31	0.0

Tree Fruit Trap Counts – Southern Counties

Week Ending	STLM	TABM_A	CM	AM	OFM-A	DWB	OFM-P	TABM_P	LPTB	PTB
4/13					0		0			
4/20	14				5		0			
4/27	0				51		1			
5/3	19				51		1			
5/10	41	0	3		36		5	0		
5/17	21	2	12		15		6	4	27	
5/24	1	10	6		6	3	1	7	34	
5/31	1	4	3		10	53	2	28	52	
6/7	1	27	5		9	19	2	21	38	
6/13	0	17	6		5	99	0	75	52	
6/20	0	13	4		5	88	0	11	10	
6/28	13	4	4		5	82	2	3	31	
7/5	0	1	2	0	11	30	0	1	10	
7/13	0	1	2	0	0	23	0	0	30	
7/20	6	1	3	0	0	42	0	1	23	
7/26	34	2	13	0	1	41	1	1	16	8
8/2	149	1	7	0	1	4	2	2	7	10
8/9	64	1	4	0	2	61	2	1	10	5
8/16	60	0	6	0	0	50	2	1	10	1
8/23	42	1	3	0	0	69	2	0	11	4

Tree Fruit Trap Counts – Northern Counties

Week Ending	STLM	TABM -A	CM	AM	OFM -A	DWB	OBLR	OFM-P	TABM-P	LPTB	PTB
4/13	1										
4/20	2							0			
4/27	71.5		0					1.1			
5/3	41		0.0		3.5			1.3			
5/10	91.5	0.0	0.0		31			18.2	0.0	0.0	
5/17	67.5	0.0	4.5		57.7			21.4	0.0	0.0	
5/24	35.5	2.3	5.6		12.7			4.5	1.4	10.4	0
5/31	18.3	5.6	9.3		4.5	1		2.3	6.4	25.8	0.3
6/7	12.5	22.1	7.8		0.3	0.5	0	1	23.9	21.8	0.2
6/14	19.5	39.9	4.9		0	0.3	0	0.2	39.2	15.4	1
6/21	110.3	54.7	3.5		0	0.8	7.5	0.3	47.7	12.5	1.3
6/28	92	42.4	2.1		0	4	16	1.6	43.7	7.2	1.7
7/5	143	32.8	1.8		0.8	2	3.5	5.9	15.7	7.7	3.5
7/13	110	14.7	2.4	0	1	1	1.5	4.1	7.1	7	3.3
7/20	74	4.7	3	0	0	4	1	3.3	1.9	6.7	1.4
7/26	116	0.7	4.6	0	0	1.3	0	1.6	1.2	4.6	0.2
8/2	140.5	2	5.5	0	0	0.7	0.5	4	2.8	2.4	3
8/9	104	2.2	6.6	0	0	0.3	0.5	9.6	1	2.9	4.1
8/16	58.5	5.1	4.3	0	0	0	1	7.6	1.5	3.5	4.9
8/23	47.5	5.5	2.3	0	0	0	0	3.8	4.1	4.2	1.1