

RUTGERS

New Jersey Agricultural
Experiment Station



The BLUEBERRY BULLETIN

A Weekly Update to Growers

Dr. Gary C. Pavlis, County Agricultural Agent

6260 Old Harding Highway, NJ 08330

Phone: 609/625-0056 Fax: 609/625-3646 Email: pavlis@njaes.rutgers.edu

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At a glance. Insect and disease problems that should be considered this week.

PEST/DISEASE	WEEK OF AUGUST 17	WEEK OF AUGUST 24
Putnam Scale Esteem, Diazinon	Best time to treat! Monitor remaining fruit or with "sticky crawler tape traps". Treat if scales are present, or if present and not treated in 1 st generation.	Same as week of August 17 if crawlers are still present and not already treated.
Sharpnosed Leafhopper Assail, Actara, Provado, Platinum, Lannate, or Malathion	Treat if stunt is present or in the area, or trap counts are high.	Treatment may be delayed until closer to the flight peak if counts are low, or fields are normally stunt free.

Culture

*Dr. Gary C. Pavlis
County Agricultural Agent
Rutgers University*

Diseased bushes: Roguing of diseased bushes should be progressing. Remember to spray diseased bushes before removing them. It is necessary to kill the leafhoppers and it is more efficient, more economical, and wise from the standpoint of conservation of beneficial insects to spray individual bushes rather than entire fields.

Spraying entire blueberry fields with insecticide at this time will destroy many beneficial insects which are now abundant. Bumblebees and other wild bees are busily foraging in goldenrod, boneset, aster, gerardin and other wild flowers. The killing of these effective pollinators of blueberries is wanton and unwise. Parasites and predators of leafrollers, leafminers, aphids and scale are also numerous now in blueberries and

their reduction by insecticides will make the problem of their control next year difficult.

Sincerely,

Gary C. Pavlis, Ph.D.
Atlantic County Agricultural Agent

*Editor – Blueberry Bulletin
GP/slp*

Insects

*Dr. Cesar Rodriguez-Saona, Extension Specialist in Blueberry Entomology, Rutgers University
Mr. Dean Polk, IPM Agent – Fruit
Mr. Gene Rizio, IPM Program Associate – Fruit*

Putnam Scale: Crawler tape traps in Atlantic County are now showing an increase in activity. The highest individual trap count was 150 crawlers/week. We also noted that on one farm in Burlington County that was previously treated, no additional activity was present. The lack of activity in a former hot spot of scale activity resulted

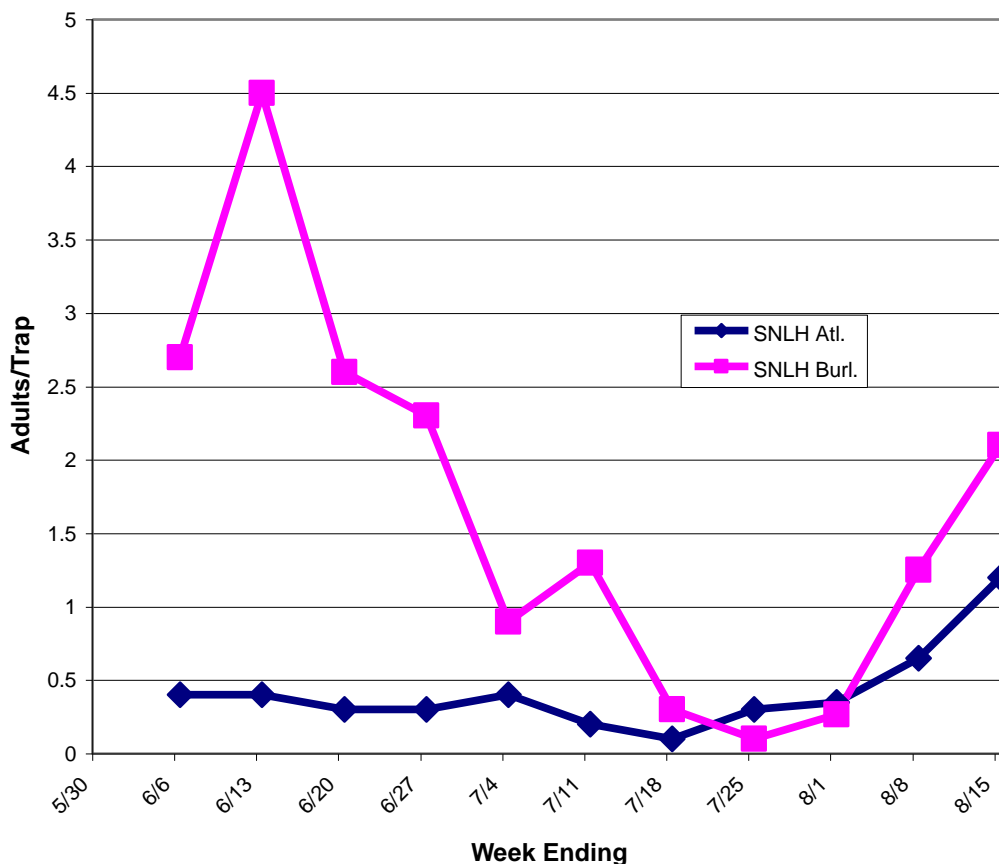
from a spring application of Esteem. This is the preferred material to use at this point. While there have been reports from growers that the product was difficult to get, the manufacturer (Valent) assures us that orders have been placed, and that the product should be in dealer warehouses shortly.

Sharpnosed Leafhopper (SNLH): Second generation nymphs continue to mature and

produce an increasing number of adults. Growers who have stunted on their farms, or have alternate hosts in the area should plan on a post harvest leafhopper spray soon.

Blueberry Maggot (BBM): Counts on most farms are minimal. There are a few exceptions in and around the Hammonton area, where a later diapause strain is showing increased activity. This is not a concern at this time, since virtually all varieties have been picked.

Sharpnosed Leafhopper as of 8/15/09



INSECT TRAP COUNTS

Blueberry Trap Counts – Atlantic County

Week Ending	CBFW	RBLR	OBLR	SNLH	Or. Beetle	BBM
4/5		19.9				
4/12		55.1				
4/19		72.0				
4/25		69.4				
5/2		71.6				
5/9	.009	43.6				
5/16	0.07	7.9	0.00			
5/23	0.2	1.6	0.02			
5/30	0.1	0.3	9.6			
6/6	0.2	5.8	19.5	0.4		
6/13	0.03	39.4	18.8	0.4		0.00
6/20	0.1	48.2	12.8	0.3	47.0	0.03
6/27	0.5	56.3	6.4	0.3	253.0	0.16
7/4	0.1	46.0	5.3	0.4	565.3	0.42
7/11	0.0	24.5	3.7	0.2	315.4	0.83
7/18	0.0	8.5	1.0	0.1	124.6	2.03
7/25	0.0	6.1	2.7	0.3	71.0	4.48
8/1		18.8	7.8	0.3	31.1	3.72
8/8		28.5	5.8	0.6	11.6	8.06
8/15		14.1	1.5	1.2	4.1	9.24

Blueberry Trap Counts – Burlington County

Week Ending	CBFW	RBLR	OBLR	SNLH	Or. Beetle	BBM
4/5		9.3				
4/12		22.6				
4/19		19.2				
4/25		25.1				
5/2		38.0				
5/9	.1	16.2				
5/16	0.1	3.4	0.0			
5/23	0.2	0.4	1.3			
5/30	0.7	0.0	6.5			
6/6	1.9	0.5	20.4	2.7		
6/13	0.3	16.4	20.1	4.5	15.0	0.07
6/20	1.1	33.5	15.2	2.6	42.0	0.41
6/27	1.0	45.5	10.4	2.3	516.9	0.94
7/4	0.1	33.0	8.4	0.9	449.3	1.67
7/11	0.1	26.7	1.2	1.3	130.0	0.59
7/18	0.1	5.8	0.2	0.3	80.1	1.27
7/25	0.0	2.1	0.8	0.1	37.4	3.08
8/1		1.3	1.8	0.3	10.0	2.78
8/8		3.2	1.0	1.3	3.5	0.52
8/15		4.8	1.8	2.1	0.3	0.40