



The Blueberry Bulletin

A Weekly Update to Growers

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- ❖ Visit the Blueberry Bulletin webpage at njaes.rutgers.edu/blueberry-bulletin
- ❖ The 2024 Commercial Blueberry Pest Control Recommendations for New Jersey is available on <https://njaes.rutgers.edu/pubs/>

BLUEBERRY CULTURE

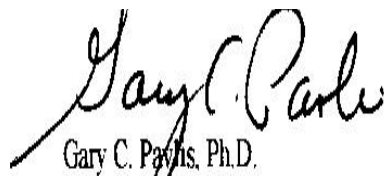
Dr. Gary C. Pavlis, Ph.D., Atlantic County Agriculture Agent



Dear Newsletter Readers,

I am writing to inform you that, unfortunately, I will not be able to submit an article for this issue of the Blueberry Bulletin Newsletter.

I look forward to contributing to future issues and continuing our collaboration.


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

PEST MANAGEMENT

Dr. Cesar Rodriguez-Saona, Extension Specialist in Blueberry Entomology, Rutgers University

Dr. Janine Spies, IPM Agent – Fruit

Carrie Mansue, Senior Program Coordinator - Fruit

During the week of July 7th-13th, 180 fields were scouted throughout Burlington and Atlantic Counties. As the picking season winds down, scouting efforts will shift focus more on trap counts.

% Injury to Infested Fruit. Injury to berries from lepidopteran larvae and plum curculio is insignificant.

Week Ending	% Injury of Fruit by LR		% Injury of Fruit by PC		% Injury of fruit to CBFW		% Injury of fruit to CFW	
	Avg	Max	Avg	Max	Avg	Max	Avg	Max
5/11	0.17	3.9	0.80	12.7				
5/17	0.23	3.0	1.25	13.20				
5/24	0.10	1.40	0.45	11.30				
6/1	0.02	1.10	0.06	2.90				
6/7	0.001	0.10	0.01	0.70	0.02	0.70		
6/15	0.002	0.20	0.00	0.00	0.003	0.20	0.004	0.10
6/21	0.004	0.30	0.01	0.20	0.003	0.30	0	0
6/29	0.01	0.30	0.004	0.20	0.001	0.10	0	0
7/6	0.004	0.40	0.0	0.0	0.0	0.0	0.0	0.0
7/13	0.002	0.20	0.0	0.0	0.0	0.0	0.0	0.0

LR = Leafroller, PC = Plum Curculio, CBFW = Cranberry Fruitworm, CFW = Cherry Fruitworm

Scale Traps and Infested fruit. Scale traps were inspected this week, as well as fruit. Scale activity in traps was an average of 31.25 scale per trap with a high of 95.

Week Ending	% Injury of Fruit by Scale	
	Average	Maximum
6/7	0.04	0.60
6/15	0.05	2.10
6/21	0.03	1.00
6/29	0.05	1.20
7/6	0.03	0.80
7/13	0.04	1.30

% of Infestation on Lower Shoots for Leafroller and Aphids. Average aphid infestation levels remain low. Scouts reported an average shoot infestation of less than 1%, with a high of 22% of shoots infested.

Week Ending	% Lower Shoots Leafroller		% Lower Shoots Aphids	
	Avg	Max	Avg	Max
5/24	0.02	2.00	11.03	52

6/1	0.066	4.0	15.37	72
6/7	0.06	4.00	14.66	96
6/15	0.00	0.00	15.42	88
6/21	0.06	2.0	10.31	88
6/29	0.04	2.0	4.06	78
7/6	0.0	0.0	1.49	18
7/13	0.0	0.0	0.89	22

Traps: Spotted-wing drosophila trap counts have decreased over the past week, due in part to the hot and dry weather. Fruit sampling for SWD larvae with salt-tests shows “0” infestation so far. Average oriental beetle trap counts also decreased. Blueberry maggot and sharp-nosed leafhopper trap counts remain very low.

Week Ending	SWD		OB		BBM		SNLH	
	Avg	Max	Avg	Max	Avg	Max	Avg	Max
6/7	19.75	64	300.81	2025	0.037	2	0.0173	0.2
6/15	28.31	100	707	4050	0.20	15	0.18	3.00
6/21	33	164	2986	15525	0.04	4	0.18	4
6/29	71.72	300	5800	16875	0.05	6	0.10	3.00
7/6	38.82	405	3239	16000	0.02	2	0.02	1.00
7/13	23.36	117	2654	16000	0.08	2	0.04	1.00

SWD = Spotted-Wing Drosophila, OB = Oriental Beetle, BBM = Blueberry Maggot Fly, SNLH = Sharp-nosed Leafhopper

During scouting this week Blueberry Mosaic was observed in the fields (Picture 1), which is a virus of blueberry that can present with red, yellow or green mottling of the leaves. Fruit of the diseased bushes ripens late and is of poor quality. Infected plants with the virus should be removed.



Picture 1. Blueberry leaves showing symptoms of Blueberry Mosaic. Photo by Carrie Mansue.