

The Blueberry Bulletin

A Weekly Update to Growers

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- ❖ Visit the Blueberry Bulletin webpage at njaes.rutgers.edu/blueberry-bulletin
- ❖ The 2022 Commercial Blueberry Pest Control Recommendations for New Jersey is available on njaes.rutgers.edu


BLUEBERRY CULTURE

Dr. Gary C. Pavlis, PhD.
Atlantic County Agricultural Agent

Visits to grower's fields have shown the obvious presence of canes infected with stem blight. These canes are easy to identify now with their dried-up brown leaves. It cannot be emphasized enough that the timely removal of these canes is critical. The infection, initially, is in the canes but will move down the canes and into the crown of the plant. Once this happens often the entire



plant dies. This complicates the grower's decisions. Replanting young plants in a mature block often does not work because the routine practices of disease and insect control as well as fertility often are not appropriate for a young plant and in many cases will kill young plants. On the other hand, having blank spots in the field is costing the grower money. The equation is quite simple. A 20% loss of plants equates to 20% less money in the grower's pocket. The best fix is the removal of infected canes now.


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

PEST MANAGEMENT

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

Mr. Dean Polk, IPM Agent – Fruit

Ms. Carrie Mansue Denson, IPM Program Associate – Fruit

SWD Traps: Numbers for SWD have increased from the last week. SWD continues to be the main target of insecticide sprays on Dukes, if still picking, Bluecrop, and later varieties.

	SWD AC		SWD BC	
	Avg	Max	Avg	Max
5/25	6	9	0	0
6/2	4.6	6	2	3
6/10	2	3	4.3	8
6/18	33.47	76	12	71
6/25	22.95	82	12.07	43
7/2	31.86	159	13	17
7/9	40.55	163	17.1	45

Aphids: Percent of aphid-infested terminals was on average 7.001%, with a high of 76%.

	% Shoot Infestation Leafroller		% Terminals Infested Aphids	
	Avg	Max	Avg	Max
5/28	0.16	2	8.3	40
6/2	0.048	4	10.75	64
6/10	0	0	6.58	72
6/18	0.04	6	6.56	66
6/25	0	0	5.6	58
7/2	0	0	7.5	60
7/9	0.02	2	7.001	76

Scale: Scale numbers have decreased from last week. The average infested berries was 0.05, with a high of 0.6.

Blueberry Maggot (BBM), Oriental Beetle (OB) and Sharp-nosed Leafhopper (SNLH) traps:

	BBM AC		BBM BC		OB AC		OB BC	
	Avg	Max	Avg	Max	Avg	Max	Avg	Max
6/18	0	0	0	0	195	340	173	675
6/25	0	0	0	0	675	675	1536	8000
7/2	0.011	1	0.04	1	2395	8100	1763	6000
7/9	0	0	0	0	3358	12825	2174	6743

PEST MANAGEMENT (continued)

	SNLH AC		SNLH BC	
	Avg	Max	Avg	Max
6/18	0	0	0	0
6/25	0.02	1	0.76	10
7/2	0.22	5	0	0
7/9	0.456	7	2.33	13

Infested fruit - Mummy Berry, Anthracnose and Alternaria: During this week, the average infested fruit with Anthracnose was 0.05, with a high 1.3. Mummy Berry and Alternaria symptoms are very low in the fields.

	Mummy Berry		Anthracnose		Alternaria	
	Avg	Max	Avg	Max	Avg	Max
6/25	0.0005	0.1	0.05	2.2	0.0005	0.1
7/2	0.001	0.1	0.05	1.2	0.002	0.2
7/9	0	0	0.05	1.3	0.019	0.5

Leps (Lepidoptera larva – green fruitworms, leafrollers, spanworms, spongy (= gypsy moth)) and Plum Curculio (PC):

	% Leafroller fruit Injury		% PC fruit Injury	
	Avg	Max	Avg	Max
5/21	0.03	0.2	0.34	3.2
5/28	0.02	0.7	0.39	2.5
6/2	0.001	0.2	0.022	0.9
6/10	0.001	0.2	0.004	0.3
6/18	0.02	0.2	0	0
6/25	0.001	0.1	0	0
7/2	0.012	0.2	0	0
7/9	0.003	0.2	0	0