

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
- ❖ The Blueberry Bulletin will now be emailed to those who request it. We will no longer be mailing hard copies out. If you are not on our current list and would like to receive a copy, please call the office at (609) 625-0056.
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BLUEBERRY CULTURE

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

I have often spoken to growers about the importance of a leaf analysis to determine the need for fertilization applications and to keep all the essential nutrients in balance. It must be understood that each of the essential nutrients, nitrogen, phosphorus, potassium, calcium, magnesium, sulfur, manganese, iron, copper, boron and zinc do not act independently within the plant. Higher than optimum levels of one of these can adversely affect the uptake of another. This interaction is quite extensive. Just as an FYI, I thought it would be beneficial to post a

chart outlining the nutrients and their effect on other nutrients. This will be useful to growers when looking at their leaf analysis results. For example, if your results show a very high level of potassium and a low level of magnesium, one approach to remedy the situation is to lower applications of potassium AND increase the application levels of magnesium. In reality, just lower the potassium application levels will most likely fix the magnesium problem. Late July and August are the optimum times to conduct a leaf analysis.

Nutrient - Relationships	
	<i>Depresses</i>
Phosphorus (P)	<i>Aluminum Zinc Calcium Manganese Magnesium</i>
Potassium (K)	<i>Sodium Iron Manganese Magnesium</i>
Sulfur (S)	<i>Calcium Copper</i>
Calcium (Ca)	<i>Manganese Magnesium Phosphorus Zinc</i>
Magnesium (Mg)	<i>Phosphorus Calcium</i>
Zinc (Zn)	<i>Iron Copper Phosphorus Sulfur</i>
Manganese (Mn)	<i>Iron Phosphorus Potassium Magnesium</i>
Copper (Cu)	<i>Sulfur Iron ZincPhosphorus</i>
Iron (Fe)	<i>Potassium Phosphorus Copper</i>
Aluminum (AL)	<i>Iron Phosphorus</i>


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

PEST MANAGEMENT

Dr. Cesar Rodriguez-Saona, Extension Specialist in Blueberry Entomology, Rutgers University
Ms. Carrie Mansue, Senior Program Coordinator

All fruit has been harvested. Therefore, we are only concerned with post-harvest pest issues. These include: 1) Spray timing for 2nd generation sharp-nosed leafhoppers, and 2) Treating any fields that had or have Putnam scale populations – timing for crawler activity. We will provide information for treating these pests in the near future.

Insect Sampling Count Summary

	SWD AC	SWD BC	OB AC	OB BC	BBM AC	BBM BC	SNLH AC	SNLH BC
Average	130	59	104	490	0	0.02	0.05	0
High	518	216	675	2365	0	1	1	0

Key: SWD = Spotted-wing Drosophila; OB = Oriental Beetle; BBM = Blueberry Maggot; SNLH = Sharp-nosed Leafhopper; BC = Burlington County; AC = Atlantic County