

Table 1. Effect of fish products and three other biofungicides on Septoria leaf spot severity and leaf beetle damage on ‘Star’ southern highbush blueberry in Clinch County, GA, Oct. 2010.

Treatment ^a	Disease severity (%)	Beetle damage ^b
Untreated	23.1 a	3.92
Serenade	20.0 ab	3.58
Sporan	24.9 a	3.33
Keyplex	22.0 a	3.42
<u>OmegaGrow</u>	19.8 ab	3.58
<u>Organic Gem</u>	21.7 a	3.42
<u>Organocide</u>	15.6 b	3.58
<u>SeaCide</u>	19.5 ab	3.50
LSD (a = 0.05)	5.44	0.435
P-value	0.0689	0.2369

^aFour applications between late August and early October. Fish products are underlined. Letters within each column indicate means separation results by Fisher’s protected LSD test.

^bAssessed visually on a scale from 0 (no damage) to 4 (severe damage).

Table 2. Effect of fish products and three other biofungicides on the number of blueberry leaf beetles per bush on ‘Star’ southern highbush blueberry in Clinch County, GA, at different time periods after application^a.

Treatment ^b	Live 24 h	Dead 24 h	Live 7 days
Untreated	2.92	0.167	1.583a
Serenade	0.75	0.667	0.083c
Sporan	1.25	0.167	0.167c
Keyplex	1.25	0.333	0.083c
<u>Omega Grow</u>	2.50	0.167	0.167c
<u>Organic Gem</u>	1.33	0.417	0.083c
<u>Organocide</u>	1.00	0.500	0.167c
<u>SeaCide</u>	1.33	0.583	0.667b
LSD (a = 0.05)	1.82	0.463	0.451
P-value	0.2242	0.1901	<0.0001

^aNumber of insects per bush counted 1 and 7 days after the third application on Sept. 23.

^bFish products are underlined. Letters within the last column indicate means separation results by Fisher’s protected LSD test.

Table 3. Effect of fish products and three other biofungicides on plant vigor and defoliation (Oct. 2010) and flower bud set (Feb. 2011) on ‘Star’ southern highbush blueberry in Clinch County, GA.

Treatment ^a	Vigor ^b (0-5 scale)	Defoliation (%)	Buds per shoot
Untreated	3.00	59.2	1.65
Serenade	3.06	33.0	2.44
Sporan	2.63	38.2	1.96
KeyPlex	3.00	30.5	1.61
<u>Omega Grow</u>	3.19	35.8	1.70
<u>Organic Gem</u>	2.25	49.2	1.81
<u>Organocide</u>	2.69	47.5	1.56
<u>SeaCide</u>	2.38	44.2	1.08
LSD (a = 0.05)	0.941	20.7	0.8062
P-value	0.3748	0.1280	0.1077

^aFour applications between late August and early October. Fish products are underlined.

^bAssessed visually on a scale from 0 (poor) to 5 (excellent).

Table 4. Effect of fish products and three other biofungicides on the concentrations of select foliar nutrients on ‘Star’ southern highbush blueberry in Clinch County, GA, Oct. 2010.

Treatment ^a	Ca (%)	Mg (%)	P (%)	Fe (ppm)	Mn (ppm)	Na (ppm)	Zn (ppm)
Untreated	0.913a	0.305a	0.080c	44.7b	54.4b	97.9b	7.87d
Serenade	0.678b	0.258b	0.090abc	46.0b	43.1bc	150.4b	10.32bc
Sporan	0.730b	0.268b	0.085bc	50.6b	44.8bc	103.4b	9.81bcd
KeyPlex	0.620b	0.238b	0.095ab	261.8a	72.4a	173.1b	36.76a
<u>Omega Grow</u>	0.720b	0.260b	0.095ab	50.4b	47.1bc	264.6a	9.12bcd
<u>Organic Gem</u>	0.660b	0.260b	0.098a	43.1b	40.7c	168.9b	9.04bcd
<u>Organocide</u>	0.688b	0.248b	0.090abc	58.9b	38.9c	133.6b	11.46b
<u>SeaCide</u>	0.695b	0.248b	0.090abc	46.0b	44.2bc	107.0b	8.59bcd
LSD (a = 0.05)	0.164	0.037	0.010	24.5	13.6	77.5	2.29
P-value	0.0515	0.0407	0.0321	<0.0001	0.0011	0.0042	<0.0001

^aFour applications between late August and early October. Fish products are underlined. Letters within each column indicate means separation results by Fisher’s protected LSD test.