

***Aphid Management in Fall Spinach, 2003:*** 'Seven-R' spinach was planted on Sept 2 at the University of Delaware Research and Education Center located near Georgetown, DE. Two row plots twenty ft long on 30-inch centers were replicated 4 times and arranged in a RCB design. All treatments were broadcast applied on Oct 23 and Nov 4. Treatments were applied with a CO<sub>2</sub> pressurized backpack sprayer delivering 18 gpa @ 40 psi. The number of aphids on each of 10 randomly selected plants per plot was recorded on Oct. 21 and 28; and Nov. 3,7,10 and 14. Data were analyzed using ANOVA and means were separated by Ryan's q-test (P=0.05).

Aphid pressure was low - moderate. Overall, all treatments provided significantly better aphid control compared to the untreated check. No phytotoxicity was observed.

Treatment	Rate/A	Green Peach Aphids per 10 plants					
		Oct 21 Pre-trt	Oct 28 5 DAT	Nov 3 11 DAT	Nov 7 3 DAT	Nov 10 6 DAT	Nov 14 10 DAT
Assail 70WP	1.7 oz	3.75a	0.00b	7.25ab	1.75b	0.00b	0.25b
Assail 70WP	1.1 oz	5.75a	0.00b	5.50ab	4.00b	0.00b	0.50b
F1785 50DF	2.3 oz	4.00a	0.00b	10.00ab	3.25b	0.50b	0.00b
F1785 50DF	1.7 oz	1.50a	0.00b	4.50b	4.00b	0.75b	0.00b
Provado 1.6F	3.75 oz	2.50a	0.25b	13.25ab	2.50b	0.25b	0.50b
Actara 25WG	2 oz	2.75a	0.00b	5.75ab	1.50b	0.50b	0.00b
Fulfill 50WG	2.8 oz	5.25a	0.25b	5.75ab	3.75b	0.25b	0.00b
Lannate LV	1.5 pt	3.50a	0.25b	2.75b	6.50b	2.50b	3.00b
Untreated	----	2.50a	6.25a	19.50a	35.25a	10.00a	14.25a

Means within a column followed by the same letter are not significantly different (Ryan's Q; P=0.05).