

**Fall Cabbage Insect Management - 2001:** Promising new chemistry and labeled insecticides were evaluated for control of the cabbage insect complex. 'Blue Thunder' field-grown cabbage transplants were planted on July 26 at Papen Farms, Inc., Dover, DE. Plots consisted of one 20-ft-long row on 3-ft centers. Each treatment was replicated four times and arranged in a RCB design. The evaluated materials are listed in the tables and all materials were applied on Aug 9, 22, 31; and Sept 11. Applications were made with a CO<sub>2</sub> backpack sprayer with a one-row boom, having 3 hollow-cone nozzles per row (one over the top and one drop nozzle on each side) delivering 38 gpa at 40 psi. Latron CS-7 was included in all applications at a rate of 0.12% vol./vol. The number of Lepidopterous larvae on each of 5 randomly selected plants per plot was recorded on a weekly basis from August 13 through September 17. Data were analyzed using ANOVA and means were separated by Ryan's q-test (P=0.05). DBM and CL populations were low- moderate throughout the season. All treatments provided significantly better DBM and CL control compared to the untreated check. No phytotoxicity was observed.

Treatment	Rate lb AI/A	Mean % Marketable Heads	Mean # Diamondback / 5 plants					
			Aug 13 4DAT	Aug 15 6 DAT	Aug 25 3DAT	Aug 30 8DAT	Sept 7 7DAT	Sept 17 6DAT
Untreated	-----	40.08d	2.75a	1.75a	2.75a	1.25ab	3.75a	2.25ab
Confirm 2F	0.120	78.10abc	0.25b	0.00b	1.25ab	2.25a	0.50bc	0.00c
Intrepid 80WSP	1 oz form.	71.48bc	1.00b	0.25b	0.50b	0.75ab	0.25bc	0.50bc
Intrepid 80WSP	2 oz form.	67.85c	0.00b	0.75ab	1.50ab	1.25ab	0.75bc	2.00ab
Intrepid 80WSP	3 oz form.	83.05abc	1.00b	0.75ab	1.00b	1.00ab	0.25bc	0.50bc
Spintor 2SC	0.063	94.73ab	0.00b	0.00b	0.00b	0.00b	0.00c	0.00c
Proclaim 5 SG	3.2 oz form.	94.80ab	0.00b	0.00b	0.00b	0.00b	0.25bc	0.00c
Avaunt 30 WDG	0.065	97.43a	0.00b	0.50ab	0.25b	0.00b	0.00c	0.00c
Avaunt 30 WDG Spintor 2 SC *	0.065 0.063	98.68a	0.00b	0.00b	0.25b	0.00b	0.00c	0.00c
F0570 0.8EW	0.017	85.43abc	0.00b	1.50ab	0.00b	1.25ab	0.00c	0.00c
Capture 2EC	0.033	72.03bc	0.00b	0.50ab	0.75b	1.50ab	1.50b	1.25abc
Capture 2EC	0.040	61.40c	0.25b	0.50ab	1.50ab	1.50ab	0.00c	2.75a

Treatment	Rate lb AI/A	Mean # Cabbage Looper / 5 plants				
		Aug 13 4DAT	Aug 25 3DAT	Aug 30 8DAT	Sept 4 4DAT	Sept 17 6DAT
Untreated	-----	1.25a	4.50a	4.75a	2.50a	2.00a
Confirm 2F	0.120	0.00b	0.50b	1.00b	0.50b	0.00b
Intrepid 80WSP	1 oz form.	0.00b	0.75b	1.50b	1.25ab	0.00b
Intrepid 80WSP	2 oz form.	0.25b	1.75b	1.50b	1.00ab	0.25b
Intrepid 80WSP	3 oz form.	0.00b	0.75b	0.75b	0.50b	0.00b
Spintor 2SC	0.063	0.00b	0.00b	1.00b	0.00b	0.00b
Proclaim 5 SG	3.2 oz form	0.25b	0.50b	2.25b	1.25ab	0.00b
Avaunt 30 WDG	0.065	0.00b	0.25b	1.25b	0.00b	0.00b
Avaunt 30 WDG Spintor 2 SC *	0.065 0.063	0.00b	0.25b	1.25b	0.00b	0.00b
F0570 0.8EW	0.017	0.00b	0.50b	1.75b	0.25b	0.00b
Capture 2EC	0.033	0.00b	0.00b	1.75b	0.00b	0.00b
Capture 2EC	0.040	0.00b	0.00b	1.00b	0.00b	0.00b

Means within a column followed by the same letter are not significantly different (P=0.05, Ryan's q test)

- 2 applications of Avaunt followed by 2 applications of Spintor