

ALFALFA: Medicago sativa
 Alfalfa weevil: Hypera postica (Gyllenhal)
 Pea Aphid: Acrythosiphon pisum (Harris)

Larry Sandvol
 Univ. of Idaho, Res. & Ext. Center, Aberdeen, ID 83210

Robert Stoltz
 Univ. of Idaho, 1330 Filer Ave., Twin Falls, ID 83301

CONTROL OF INSECTS ON ALFALFA, 1983: Eight compounds applied as foliar treatments were evaluated for efficacy against alfalfa weevil and pea aphids on June 15. Plots were 24' by 24' with four replications per treatment in randomized blocks. Treatments were applied June 13 with a hand operated CO₂ sprayer operating at 40 psi. Sprays were applied to alfalfa in early bud stage at the rate of 50 gal/acre. Counts were made with standard 15 in sweep net using 180° sweeps.

Lorsban, Cymbush and Furadan provided control of both adult and larval alfalfa weevils as well as pea aphids. San 410 (Bacillus thuringiensis) did not significantly reduce either pest.

Treatments and lb ai/acre		Mean Number/Sweep					
		Alfalfa weevil adults			Alfalfa weevil larvae		
		Jun 16	Jun 18	Jun 23	Jun 16	Jun 18	Jun 23
Lorsban 4E	0.5	1.0b*	0.3a	5.7c	10.0c	15.0b	27.7b
Lorsban 4E	1.0	1.0b	0.9a	2.5b	17.0c	1.0a	7.8a
Furadan 4F	0.5	0.0a	0.0a	0.0a	3.5a	4.0a	3.0a
San 410	1.0	4.8c	3.0b	10.2c	51.0cd	64.0c	117.0c
San 410	2.0	4.5c	3.0b	8.2c	71.2d	5.2a	84.5bc
Cymbush 3E	.02	0.3a	0.7a	6.0c	8.5b	3.0a	10.3ab
Cymbush 3E	.04	0.5a	0.7a	11.7c	2.0a	1.7a	6.0a
Cymbush 3E	.06	0.0a	0.0a	3.0b	2.0a	2.2a	6.3a
Check		7.7c	4.5b	6.5c	88.0d	102.5dc	162.7cd

Treatment and lb ai/acre		Mean Number/sweep		
		Pea Aphids		
		Jun 16	Jun 18	Jun 23
Lorsban 4E	0.5	0.5c	1.5c	5.0c
Lorsban 4E	1.0	2.3bc	0.8c	0.5c
Furadan 4F	0.5	2.5bc	1.3c	4.3c
San 410	1.0	10.5ab	13.0a	46.3ab
San 410	2.0	12.3a	5.5bc	30.8b
Cymbush 3E	.02	0.8c	0.3c	6.0c
Cymbush 3E	.04	0.3c	0.5c	1.5c
Cymbush 3E	.06	0.5c	0.0c	2.0c
Check		10.5ab	8.3ab	43.3ab

* Numbers followed by the same letter are not significantly different (P = 0.05) by DMRT