

ONION: *Cepa allium* (L.) 'Iroquois'
Onion thrips; *Thrips tabaci* Lindemann

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(45E)

CONTROL OF ONION THRIPS IN ONIONS, ADJUVANT TRIAL, GREELEY, CO, 1992: The experiment was conducted in a production field of transplanted onions (cv. 'Iroquois') near Greeley, CO. Onions were planted in two row beds and individual plots consisted of two beds, 25-ft in length, arranged in a randomized complete block design with four replications. Treatments were applied 30 Jun and 22 Jul using a CO₂ compressed air sprayer delivering 20 gal/acre at 35 psi. Treatment evaluations were made by counting all thrips on six plants within the center rows of each plot.

Karate, applied at the 0.015 lb AI rate, gave excellent control 7 DAT but not at 22 DAT. The addition of various adjuvants did not significantly affect performance. The fungicide Alliette did not control thrips in this trial.

Treatment	Rate lb/acre	Thrips/plant		
		7 Jul	22 Jul	29 Jul
Karate	0.015 AI	2.0 c	13.8 a	8.7 b
Karate + Kinetic	0.015 AI 8 fl oz	2.7 c	13.7 a	6.5 b
Karate + CideKick	0.015 AI 1 qt	3.7c	9.7 a	8.7 b
Karate + Crop Oil Concentrate	0.015 AI 2 qt	4.0 c	14.9 a	14.8 b
Karate + M-Pede	0.015 AI 2 qt	2.6 c	14.0 a	8.1 b
Alliette 80WG	3.5 lb	33.1 a	22.8 a	44.5 a
Alliette 80WG	5.0 lb	38.5 ab	26.2 a	29.5 a
Untreated check		40.7 a	27.8 a	35.7 a

Means of 4 replications. Numbers within a date that are not followed by the same letter are significantly different ($P = 0.05$) by the SNK test.