FOLIAR INSECTICIDE SCREENING FOR THRIPS CONTROL

Milo Genetics, Cooperators (2007)
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SUMMARY:

A trial was planted on 15 April 2007 with the purpose of evaluating the efficacy of seed treatments for thrips control in cotton. The higher rates of Intruder and Orthene reduced the thrips populations while the low rate Intruder and Vydate were not different from the control. Damage ratings indicate that the insecticide treatments were not different from each other but the Vydate treatment was not different from the untreated.

OBJECTIVES:

The objective of this project was to evaluate the efficacy of foliar insecticides for thrips control in cotton.

MATERIALS and METHODS:

A trial was planted on 15 April 2007 with the purpose of evaluating the evaluating the efficacy of seed treatments for thrips control in cotton. The cotton was planted at a rate of 3 seed per foot on 38 inch rows. Plots were 4 rows, 22 feet long

RESULTS and DISCUSSIONS:

The higher rates of Intruder and Orthene reduced the thrips populations while the low rate Intruder and Vydate were not different from the control (Table 1). Damage ratings indicate that the insecticide treatments were not different from each other but the Vydate treatment was not different from the untreated.

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Table 1. Thrips counts (#/5 plants) at 3 and 7 days after treatment (DAT) and damage ratings 13 DAT for various seed treatments and untreated cotton (Victoria County, TX, 2007).

			Thrips #/5 plts May-07-07 1-2 TL 3 DAT	Thrips #/5 plts May-11-07 5-6 TL 7 DAT	Damage Rating 1-5 May-17-07 8-9 TL 13 DAT
1	Untreated		79 a	42 a	2.93 a
2	Intruder	0.026 LB A/A	26 ab	9 a	1.93 b
	COC	1 PT/A			
3	Intruder	0.035 LB A/A	13 b	12 a	1.70 b
	COC	1 PT/A			
4	Intruder	0.05 LB A/A	7 b	11 a	2.00 b
	COC	1 PT/A			
5	Vydate C-LV	17 OZ/A	18 ab	15 a	2.13 ab
6	ORTHENE	3.2 OZ WT/A	13 b	8 a	2.07 b
Tukey's HSD (P=.05)			61.1	39.4	0.826
Standard Deviation			26.6	17.2	0.360
CV			102.91	106.43	16.93
Replicate F			1.587	0.510	1.412
Replicate Prob(F)			0.2341	0.6815	0.2782
Treatment F			4.067	2.217	5.431
Treatment Prob(F)			0.0156	0.1066	0.0048

Means followed by same letter do not significantly differ (P=.05, Tukey's HSD).

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