

University of Tennessee

Caterpillar Control in Grain Sorghum - Gibson Co.

Location: Research and Education Center at Milan

Variety: Pioneer 84P80 (planted 6-7-17)

Application A: 8-8-17; Application B: 8-25-17; High clearance sprayer (9.2 GPA, 40 PSI, 8001FF)

Sample size: 20 heads per plot

Plot: 5 rows x 30 ft (RCBD, 4 Reps)

Investigators: Stewart, S. Steckel, Williams

CEW = Corn Earworm; FAW = Fall Armyworm; SWW = Sorghum Webworm

Description				CEW	CEW	CEW	FAW	SWW	Disease	Yield	
Pest Stage Majority				Small	Large	Sm + Lg	Total	Total	%	bu/acre	
Rating Date				8/22/2017	8/22/2017	8/22/2017	8/22/2017	8/22/2017	9/5/2017	11/17/2017	
Days After First/Last Applic.				7 DA-B	7 DA-B	7 DA-B	7 DA-B	7 DA-B	21 DA-B	94 DA-B	
Treatment	Formulation	Rate	Appl								
1	Prevathon	0.43 lb/gal	6 fl oz/a	A	0.0 c	0.0 b	0.0 b	0.0 a	0.0 a	28.3 a	87.5 a
	Prevathon	0.43 lb/gal	4 fl oz/a	B							
2	BlackHawk	36 %	1.7 oz wt/a	AB	0.3 bc	0.3 b	0.5 b	0.0 a	0.0 a	-	83.9 a
3	Karate Z	2.08 lb/gal	1.92 fl oz/a	AB	0.3 bc	0.3 b	0.5 b	0.0 a	1.5 a	-	79.5 a
4	Prevathon	0.43 lb/gal	10 fl oz/a	A	0.0 c	0.0 b	0.0 b	0.0 a	0.0 a	3.3 b	124.5 a
	Headline	2.09 lb/gal	6 fl oz/a	A							
5	Besiege	1.252 lb/gal	5 fl oz/a	AB	0.0 c	0.0 b	0.0 b	0.0 a	0.0 a	-	94.0 a
6	Experimental			AB	7.8 a	10.0 a	17.8 a	0.5 a	0.5 a	-	83.1 a
7	Experimental			AB	11.8 a	9.8 a	21.5 a	0.0 a	1.5 a	-	86.1 a
8	Diamond	0.83 lb/gal	9 fl oz/a	AB	1.3 b	0.3 b	1.5 b	0.0 a	0.0 a	-	91.9 a
9	Untreated				12.0 a	11.5 a	23.5 a	0.0 a	3.0 a	-	80.2 a

P=0.051

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)