

University of Tennessee

Caterpillar Control in Grain Sorghum - Gibson Co.

Location: Research and Education Center at Milan

Variety: Pioneer 84P80 (planted: 6-15-18)

Application: 8-21-18; High clearance sprayer (9.4 GPA, 40 PSI, 8001FF)

Plots: 5 Rows x 40 ft (RCBD, 4 Reps)

Investigators: Stewart, S.Steckel, Williams

CEW = Corn earworm

Description			CEW	CEW	CEW	CEW	CEW	CEW	Disease	Disease	Yield									
Pest Stage Majority			Small	Large	Sm + Lg	Small	Large	Sm + Lg	%	%	Bu/A									
Rating Date			8/27/2018	8/27/2018	8/27/2018	8/31/2018	8/31/2018	8/31/2018	10/10/2018	10/30/2018	11/27/2018									
Sample Size, Unit			10 Heads	10 Heads	10 Heads	10 Heads	10 Heads	10 Heads	1 Plot	1 Plot										
Trt-Eval Interval			6 DA-A	6 DA-A	6 DA-A	10 DA-A	10 DA-A	10 DA-A	50 DA-A	70 DA-A	98 DA-A									
Treatment	Formulation	Rate																		
1 Besiege	1.252 lb/gal	6 fl oz/a	0.8	b	0.0	b	0.8	c	0.3	c	0.0	c	0.3	c	29.0	a	32.0	a	98.8	a
2 Besiege	1.252 lb/gal	6 fl oz/a	0.0	b	0.0	b	0.0	c	0.5	c	0.0	c	0.5	c	2.3	c	4.8	c	92.1	a
Headline	2.09 lb/gal	6 fl oz/a																		
3 BlackHawk	36 %	1.7 oz wt/a	3.8	b	0.3	b	4.0	b	1.0	bc	1.0	c	2.0	c	24.3	ab	28.8	ab	96.0	a
4 Mustang Maxx	0.8 lb/gal	3.5 fl oz/a	1.5	b	0.0	b	1.5	c	2.0	b	4.5	b	6.5	b	24.5	ab	27.3	ab	97.0	a
5 Untreated			16.0	a	12.8	a	28.8	a	5.0	a	8.8	a	13.8	a	20.5	b	26.0	b	78.5	a
Treatment Prob(F)			0.0001		0.0001		0.0001		0.0001		0.0001		0.0001		0.0001		0.0001		0.0690	

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