

University of Tennessee

Foliar Applications for Control of Headworms in Grain Sorghum - Gibson Co.

Location: Research and Education Center at Milan

Variety: Pioneer 84P80 (planted 6-16-16)

Application: 8-11-16; High clearance sprayer (9.1 GPA, 40 PSI, 8001FF)

Rating: 15 Heads per plot

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

Investigators: Stewart, S. Steckel, Williams

Note: Midge samples were taken 8-23-16 but we detected no midge in this trial

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

Description			CEW	CEW	CEW	FAW	SWW	Yield
Pest Stage Majority			Small	Large	Sm + Lg	Total	Total	Bu/A
Rating Date			8/23/2016	8/23/2016	8/23/2016	8/23/2016	8/23/2016	11/3/2016
Trt-Eval Interval			12 DA-A	12 DA-A	12 DA-A	12 DA-A	12 DA-A	84 DA-A
Treatment	Formulation	Rate						
1 Untreated			3.5 ab	9.5 a	13.0 a	1.0 a	3.0 a	69.4 a
2 Diamond	0.83 lb/gal	6 fl oz/a	4.3 ab	2.8 bcd	7.0 bcd	0.0 b	1.3 abc	84.6 a
3 Diamond	0.83 lb/gal	9 fl oz/a	6.3 a	3.0 bc	9.3 abc	0.3 b	0.3 c	83.7 a
4 Diamond	0.83 lb/gal	12 fl oz/a	3.3 abc	2.3 bcd	5.5 cde	0.0 b	0.0 c	86.0 a
5 Prevathon	0.43 lb/gal	14 fl oz/a	0.3 c	0.8 d	1.0 e	0.0 b	0.0 c	81.9 a
6 Silencer	1 lb/gal	2.56 fl oz/a	4.5 ab	3.0 bcd	7.5 bcd	0.0 b	2.8 ab	80.8 a
7 Lorsban	4 lb/gal	16 fl oz/a	6.0 a	5.0 ab	11.0 ab	0.3 b	1.0 bc	79.8 a
8 Karate Z	2.08 lb/gal	1.96 fl oz/a	1.5 bc	2.5 cd	4.0 de	0.3 b	0.5 bc	81.1 a
9 BlackHawk	36 %	2 oz wt/a	0.3 c	1.0 cd	1.3 e	0.0 b	0.0 c	78.4 a

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