

University of Tennessee

Foliar Insecticides for Sugarcane Aphid in Sorghum - Gibson Co.

Location: Research and Education Center at Milan

Variety: Pioneer 84P80 (planted 5-25-16)

Application: 7-29-16; High clearance sprayer (9.1 GPA, 40 PSI, 8001FF)

Rating: Aphid counts on 5 leaves per plot

Plot: 5 rows x 35 ft (RCBD, 4 Reps)

Investigators: Stewart, S. Steckel, Williams

SCA = Sugarcane aphid

Description				SCA	SCA	SCA	SCA	SCA	SCA	SCA	SCA	SCA	Yield
Pest Stage Majority				Upper leaf	Lower leaf	Upper leaf	Lower leaf	Upper leaf	Lower leaf	Upper leaf	Upper leaf	Upper leaf	Bu/A
Rating Date				8/1/2016	8/1/2016	8/4/2016	8/4/2016	8/8/2016	8/8/2016	8/11/2016	8/16/2016	11/3/2016	
Trt-Eval Interval				3 DA-A	3 DA-A	6 DA-A	6 DA-A	10 DA-A	10 DA-A	13 DA-A	18 DA-A	97 DA-A	
Treatment	Formulation		Rate										
1 Untreated				762.5 a	775.0 a	787.0 a	689.8 a	843.8 a	1262.6 a	405.7 a	311.5 a	38.1 c	
2 Transform	50 %	1.5 oz wt/a		1.6 b	66.9 b	2.7 b	178.1 c	33.2 b	65.3 bc	89.5 b	144.1 b	79.7 ab	
3 Transform	50 %	0.75 oz wt/a		2.8 b	42.9 b	6.1 b	135.3 c	72.6 b	263.8 b	56.9 b	103.0 ab	64.2 b	
4 Sivanto	1.67 lb/gal	5 fl oz/a		5.0 b	104.0 b	0.8 b	2.6 c	3.2 c	12.2 c	4.3 c	0.8 c	75.5 ab	
5 Sivanto	1.67 lb/gal	2.5 fl oz/a		7.4 b	68.3 b	2.1 b	349.0 b	0.6 c	44.2 bc	2.2 c	0.5 c	83.1 a	
6 Transform Sivanto	50 % 1.67 lb/gal	0.75 oz wt/a 2.5 fl oz/a		0.7 b	142.0 b	1.2 b	81.4 c	3.4 c	59.7 c	3.0 c	1.2 c	87.7 a	

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

See graph below

Yield (Bu/Acre)

