

# University of Tennessee

## Evaluation of Foliar Insecticides for Sugarcane Aphid in Sorghum - Gibson Co.

Location: Research and Education Center at Milan

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

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

Sample size: Aphid counts on 10 leaves per plot

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

Investigators: Stewart, S. Steckel, Williams

SCA = Sugarcane aphid

Description			SCA	SCA	SCA	SCA	Yield
Rating Date			Upper leaf	Lower leaf	Upper leaf	Lower leaf	Bu/A
Trit-Eval Interval			8/15/2017	8/15/2017	8/22/2017	8/22/2017	11/17/2017
			7 DA-A	7 DA-A	14 DA-A	14 DA-A	101 DA-A
Treatment	Formulation	Rate					
1 Transform	50 %	1.5 oz wt/a	0.0 b	0.0 b	0.5 b	0.0 a	94.8 a
2 Sivanto	1.67 lb/gal	2 fl oz/a	0.0 b	0.0 b	0.0 b	0.0 a	99.3 a
3 Sivanto	1.67 lb/gal	4 fl oz/a	0.0 b	0.0 b	0.0 b	0.0 a	94.5 a
4 Transform	50 %	0.75 oz wt/a	0.0 b	0.0 b	0.0 b	0.0 a	92.0 a
Sivanto	1.67 lb/gal	2 fl oz/a					
5 Untreated			10.4 a	105.3 a	3.9 a	135.9 a	85.0 a

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