

University of Tennessee

Foliar Application for Cotton Aphids - Madison Co.

Location: West TN Research and Education Center - Jackson

Application: 8-20-2018; High Clearance Sprayer (9.4 GPA, 40 PSI, 8001FF)

Rating: 10 leaves per plot

Plots: 4 Rows x 35 ft (RCBD, 4 Reps)

Investigators: Stewart, S.Steckel, Williams

Description				Aphid Counts		Aphid Counts	
Rating Date				8/23/2018		8/27/2018	
Sample Size, Unit				10 Leaves		10 Leaves	
Trt-Eval Interval				3 DA-A		7 DA-A	
Treatment	Formulation	Rate					
1 Untreated				381.67	a	365.33	a
2 Strafer	70 %	0.75 oz wt/a		7.33	cd	11.00	b
3 Strafer	70 %	0.75 oz wt/a		4.00	cd	2.00	cd
Preference	100 %	0.25 % v/v					
4 Strafer	70 %	0.75 oz wt/a		13.00	bcd	11.33	bc
Experimental							
5 Strafer	70 %	0.75 oz wt/a		2.67	cd	4.67	bcd
Experimental							
6 Strafer	70 %	0.75 oz wt/a		11.33	bc	2.00	cd
Interlock	100 %w/w	2 fl oz/a					
7 Strafer	70 %	0.75 oz wt/a		1.67	d	1.33	cd
Interlock	100 %w/w	2 fl oz/a					
Experimental							
8 Strafer	70 %	0.75 oz wt/a		2.33	cd	2.67	bcd
Accudrop	100 %w/w	3 fl oz/a					
9 Strafer	70 %	0.75 oz wt/a		22.67	bcd	0.67	d
Accudrop	100 %w/w	3 fl oz/a					
Experimental							
10 Strafer	70 %	0.75 oz wt/a		9.00	bcd	2.67	bcd
Masterlock	100 %w/w	6.4 fl oz/a					
11 Transform	50 %	0.75 oz wt/a		2.67	cd	0.67	d
12 Carbine	50 %	2 oz wt/a		29.67	b	2.33	cd
13 Centric	40 %	1.5 oz wt/a		148.33	a	119.67	a
Treatment Prob(F)				0.0001		0.0001	

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