

University of Tennessee

Cotton Aphid Control

Location: West TN Research and Education Center (Jackson)

Variety: ST 4554 B2RF (planted 5-19-08)

Application: 7-25-08 and 8-1-08, High-clearance Sprayer (8 GPA, 46 PSI, FF 8001)

Plots: 4 Rows x 50 ft (RCBD, 4 Reps)

Investigators: Stewart, Willis, S. Steckel

PB + SB = Total Plant Bugs (Tarnished and Clouded) + Total Stink Bugs (Green and Brown)

Pest Name			Cotton aphid	Cotton aphid	Cotton aphid	PB + SB
Description			Counts	Counts	Counts	Counts
Rating Date			7/28/2008	7/31/2008	8/4/2008	8/6/2008
Sample Size			10	10	10	10
Sample Size Unit			LEAF	LEAF	LEAF	ROWFT
Trt-Eval Interval			3 DA-A	6 DA-A	3 DA-B	5 DA-B
Trt	Treatment Name	Rate				
1	Carbine	50 WG 2.02 oz/a	33.00 d	41.50 bcd	10.75 cde	1.25 c
2	Centric	40 WG 1.5 oz/a	78.75 cd	76.25 bcd	12.25 cde	1.25 c
3	Intruder	70 WG 0.8 oz/a	43.25 d	26.50 d	2.00 de	3.50 ab
4	Trimax Pro	4.44 L 1.5 fl oz/a	167.00 b	182.50 a	36.75 ab	1.50 bc
5	Bidrin	8 EC 6 fl oz/a	35.75 d	38.25 cd	1.50 e	0.75 c
6	Dimethoate	4 EC 8 fl oz/a	138.50 bc	208.25 a	19.00 bc	2.25 bc
7	Centric	40 WG 1 oz/a	87.25 bcd	82.50 bcd	12.25 cd	2.75 bc
8	Centric	40 WG 1 oz/a	103.00 bcd	143.50 ab	5.75 cde	1.25 c
	UAN 28%	28 SL 1.5 qt/a				
9	Untreated Check		266.50 a	118.75 abc	63.75 a	5.50 a

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

Aphid/Plant Bug Trial (Cotton 2008 - Madison County)

(Note - Rain about 5 hours after first application on July 25)

