

University of Tennessee

Dectes Seed Treatment Trial - WTREC

Location: West Tennessee Research and Education Center at Jackson

Variety: Merschman Rocky RR 4.6 (planted 4-21-08)

Application: At Planting

Ratings: Vigor Rating and BLB Injury (0-5 Scale), Thrips Counts (5 Plants), Tunneled Stems (10 Stems)

Dectes Stem Borer Counts and Girdled Plants (10 Plants)

Plots: 5 Rows X 30 ft (RCBD, 4 Reps)

Investigators: Stewart, Willis, S. Steckel

BLB= Bean Leaf Beetle, TS= Tunneled Stalks, DSB= Dectes Stem Borer, GP= Girdled Plants

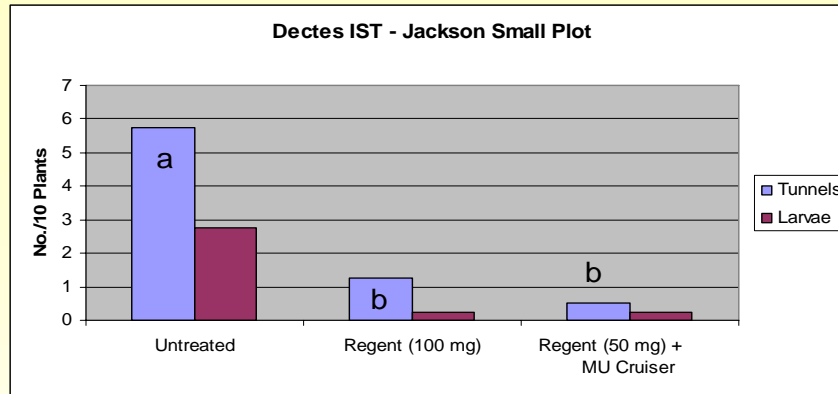
Description	Vigor Rating	BLB Injury	Thrips	Thrips	TS	TS	DSB	GP	Yield	
Rating Date	5/12/2008	5/12/2008	5/12/2008	5/12/2008	8/25/2008	9/18/2008	9/18/2008	9/18/2008	9/25/2008	
Pest Stage			Adult	Immature			Larvae			
Trt-Eval Interval	21 DA-A	21 DA-A	21 DA-A	21 DA-A	126 DA-A	150 DA-A	150 DA-A	150 DA-A	157 DA-A	
Treatment	Rate	1	2	3	5	6	7	8	9	12
1 Untreated Check		4.23 b	3.00 a	13.80 a	6.30 a	4.30 a	5.80 a	2.80 a	1.50 a	50.20 a
2 Regent	600 G/L 100 mg ai/seed	4.53 a	0.50 b	6.80 b	0.50 b	0.00 b	1.30 b	0.30 b	0.50 a	44.50 a
3 Regent	600 G/L 50 mg ai/seed	4.45 a	0.30 b	9.80 ab	0.50 b	0.00 b	0.50 b	0.30 b	0.80 a	45.00 a
Bad treatment	5 LB/GAL 50 mg ai/seed									
4 Bad treatment	5 LB/GAL 50 mg ai/seed	4.48 a	1.00 b	18.00 a	7.00 a					47.90 a

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

Soybean Dectes/Regent Test

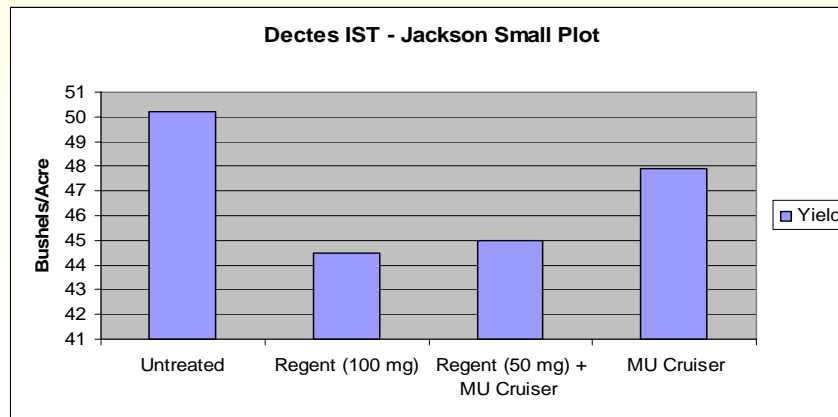
Jackson
Late April Planted

P < 0.05



MU Cruiser = Messed up, very low rate of Cruiser

P = 0.265



MU Cruiser = Messed up, very low rate of Cruiser