

University of Tennessee

Regional Insecticide/Fungicide/Nematicide Seed Treatment Trial in Soybeans - Gibson Co.

Location: Research and Education Center at Milan

Variety: (planted 5-25-16)

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

Investigators: Stewart, S. Steckel, Williams

% Defol = % Defoliation

| Description | | | Vigor | Thrips injury | % Defol. | No. plants | Thrips Injury | Vigor | No. thrips | Vigor | Yield |
|--|--|---|-----------|---------------|----------|------------|---------------|-----------|------------|-----------|-----------|
| Pest Stage Majority | | | 0-5 scale | 0-5 scale | | | 0-5 scale | 0-5 scale | Ad + Imm | 0-5 scale | Bu/A |
| Sample Size, Unit | | | 1 Plot | 1 Plot | 1 Plot | 20 Rowft | 1 Plot | 1 Plot | 5 Plants | 1 Plot | |
| Rating Date | | | 6/8/2016 | 6/8/2016 | 6/8/2016 | 6/10/2016 | 6/13/2016 | 6/13/2016 | 6/14/2016 | 6/19/2016 | 10/5/2016 |
| Plant-Eval Interval | | | 14 DAP | 14 DAP | 14 DAP | 16 DAP | 19 DAP | 19 DAP | 20 DAP | 25 DAP | 133 DAP |
| Treatment | Formulation | Rate | | | | | | | | | |
| 1 Untreated | | | 4.1 a | 0.7 ab | 2.5 a | 73.8 a | 0.7 b | 4.4 b | 41.5 a | 4.3 d | 52.6 a |
| 2 Trilex 2000 | 1.15 lba/gal | 1 fl oz/cwt | 4.2 a | 0.7 a | 1.8 a | 78.0 a | 0.8 a | 4.3 b | 38.3 a | 4.3 cd | 55.2 a |
| 3 Trilex 2000 + Poncho Votivo | 1.15 lba/gal 5 lba/gal | 1 fl oz/cwt 1.28 fl oz/cwt | 4.3 a | 0.4 cde | 0.0 b | 75.0 a | 0.7 ab | 4.4 b | 50.0 a | 4.6 ab | 55.4 a |
| 4 CruiserMaxx | 2.42 lba/gal | 3.2 fl oz/cwt | 4.3 a | 0.5 cd | 0.5 b | 81.5 a | 0.7 ab | 4.4 b | 40.0 a | 4.6 b | 55.6 a |
| 5 CruiserMaxx + Avicta | 2.42 lba/gal 500 ga/l | 3.2 fl oz/cwt 3.0 fl oz/cwt | 4.5 a | 0.3 ef | 0.0 b | 90.0 a | 0.5 c | 4.6 a | 24.8 a | 4.8 a | 56.0 a |
| 6 Intego Suite | 0.239 lba/gal | 3.37 fl oz/cwt | 4.2 a | 0.6 bc | 0.8 b | 71.0 a | 0.7 ab | 4.4 b | 30.0 a | 4.5 bc | 55.2 a |
| 7 Acceleron DX-109 Acceleron DX-309 Acceleron DX-409 | 1.67 lba/gal 2.6 lba/gal 600 ga/l | 0.4 fl oz/cwt 0.8 fl oz/cwt 2 fl oz/cwt | 4.4 a | 0.3 ef | 0.3 b | 81.0 a | 0.5 c | 4.5 ab | 31.8 a | 4.7 ab | 56.8 a |
| 8 Acceleron DX-109 Acceleron DX-309 Acceleron DX-409 Poncho Votivo | 1.67 lba/gal 2.6 lba/gal 600 ga/l 5 lba/gal | 0.4 fl oz/cwt 0.8 fl oz/cwt 2 fl oz/cwt 1.28 fl oz/cwt | 4.3 a | 0.2 f | 0.0 b | 79.0 a | 0.3 d | 4.4 b | 25.3 a | 4.5 b | 55.8 a |
| 9 Aeris | 5 lba/gal | 3.2 fl oz/cwt | 4.2 a | 0.3 def | 0.3 b | 77.3 a | 0.4 d | 4.4 b | 39.5 a | 4.5 b | 54.6 a |

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