

University of Tennessee

EVALUATE DIFFERENT GLUFOSINATE PRODUCTS IN LIBERTY LINK SOYBEAN FOR PALMER AMARANTH CONTROL

Location: West TN Research and Education Center - Jackson

Variety: LL4653 (planted 5/11/16)

Application: A 5/31/16 (CO₂ pressurized backpack sprayer; 15 gpa AIXR 003 27 psi)

Plots: 7.5 ft x 30 ft (RCBD 4 reps)

Rating scale of 0-100 (% control of weeds)

| Pest Name | | | Palmer amaranth | Palmer amaranth | Palmer amaranth | Pitted mg |
|-------------------------|---------|------|-----------------|-----------------|-----------------|-----------|
| Rating Date | | | 6/5/2016 | 6/14/2016 | 6/19/2016 | 6/19/2016 |
| Rating Type | | | CONTRO | CONTRO | CONTRO | CONTRO |
| Trt-Eval Interval | | | 5 DA-A | 14 DA-A | 19 DA-A | 19 DA-A |
| Treatment | Rate | Appl | | | | |
| 1 GLUFOSINATE 280 SL OT | 29 oz/a | A | 88 b | 59 a | 62 a | 60 a |
| 2 LIBERTY 280 | 29 oz/a | A | 96 a | 64 a | 62 a | 65 a |
| 3 INTERLINE | 29 oz/a | A | 91 ab | 63 a | 66 a | 60 a |
| 4 CHEETAH | 29 oz/a | A | 92 ab | 61 a | 60 a | 60 a |

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)