

University of Tennessee

BOLT TECHNOLOGY HERBICIDE PROGRAMS

Location: West TN Research and Education Center - Jackson

Variety: BOLT (planted 5/5/16)

Application: A 5/5/16; B 6/6/16 (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 pw | Lg crabgrass | Palmer pw | Anl Grasses | Palmer pw | Pitted mg | | |
|-------------------|---------------|--------------|-----------|-------------|-----------|-----------|------|------|
| Rating Date | 5/18/2016 | 5/18/2016 | 7/4/2016 | 7/4/2016 | 7/17/2016 | 7/17/2016 | | |
| Rating Type | CTRL | CTRL | CTRL | CTRL | CTRL | CTRL | | |
| Trt-Eval Interval | 13 DA-A | 13 DA-A | 28 DA-B | 28 DA-B | 41 DA-B | 41 DA-B | | |
| Treatment | Rate | Appl | | | | | | |
| 1 LEADOFF | 1.5 oz/a | A | 98 a | 97 a | 77 b | 90 a | 71 c | 99 a |
| ROUNDUP PMAX | 22 fl oz/a | B | | | | | | |
| SYNCHRONY XP | 1.13 oz/a | B | | | | | | |
| AMS | 17 lb/100 gal | B | | | | | | |
| 2 LEADOFF | 1.5 oz/a | A | 99 a | 99 a | 95 a | 92 a | 99 a | 99 a |
| VALOR SX | 2 oz/a | A | | | | | | |
| ROUNDUP PMAX | 22 fl oz/a | B | | | | | | |
| SYNCHRONY XP | 1.13 oz/a | B | | | | | | |
| AMS | 17 lb/100 gal | B | | | | | | |
| 3 LEADOFF | 1.5 oz/a | A | 99 a | 99 a | 98 a | 99 a | 99 a | 99 a |
| ENVIVE | 3.5 oz/a | A | | | | | | |
| ROUNDUP PMAX | 22 fl oz/a | B | | | | | | |
| SYNCHRONY XP | 1.13 oz/a | B | | | | | | |
| AMS | 17 lb/100 gal | B | | | | | | |
| 4 LEADOFF | 1.5 oz/a | A | 99 a | 98 a | 87 a | 92 a | 81 b | 99 a |
| CANOPY BLEND | 4.37 oz ai/a | A | | | | | | |
| ROUNDUP PMAX | 22 fl oz/a | B | | | | | | |
| SYNCHRONY XP | 1.13 oz/a | B | | | | | | |
| AMS | 17 lb/100 gal | B | | | | | | |
| 5 DILIGENT | 4 oz/a | A | 99 a | 96 a | 95 a | 92 a | 97 a | 99 a |
| ROUNDUP PMAX | 22 fl oz/a | B | | | | | | |
| SYNCHRONY XP | 1.13 oz/a | B | | | | | | |
| AMS | 17 lb/100 gal | B | | | | | | |
| 6 ENVIVE | 3.5 oz/a | A | 99 a | 95 a | 98 a | 93 a | 99 a | 99 a |
| ROUNDUP PMAX | 22 fl oz/a | B | | | | | | |
| SYNCHRONY XP | 1.13 oz/a | B | | | | | | |
| AMS | 17 lb/100 gal | B | | | | | | |
| 7 VALOR SX | 2 oz/a | A | 99 a | 98 a | 96 a | 90 a | 99 a | 99 a |
| ROUNDUP PMAX) | 22 fl oz/a | B | | | | | | |
| SYNCHRONY XP | 1.13 oz/a | B | | | | | | |
| AMS | 17 lb/100 gal | B | | | | | | |
| 8 BOUNDARY | 1 qt/a | A | 99 a | 99 a | 96 a | 95 a | 99 a | 99 a |
| PREFIX | 1 qt/a | B | | | | | | |
| 9 NONTREATED | | A | 0 b | 0 b | 0 c | 0 b | 0 d | 0 b |

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