

University of Tennessee

AUTHORITY MAXX / AUTHORITY MTZ - BURNDOWN IN SOYBEAN - Madison Co.

Location: West Tn Research and Education Center - Jackson

Variety: LL4653 (planted 5/5/16)

Application: A 4/1/16 (CO2 pressurized backpack sprayer; 15 gpa AIXR 003 27 psi)

Plots: 5 ft x 30 ft (RCBD 4 reps)

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

Pest Name	Horseweed	Anl bluegrass	Chickweed	Palmer pw	Annl grasses	Horseweed		
Rating Date	4/15/2016	4/15/2016	4/15/2016	5/30/2016	5/30/2016	5/30/2016		
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	59 DA-A	59 DA-A	59 DA-A		
Treatment	Rate	Appl						
1 NONTREATED			0 c	0 e	0 b	0 c	0 c	0 b
2 2,4-D Ester	16 oz/a	A	94 ab	76 d	99 a	0 c	0 c	77 a
ROUNDUP PMAX	22 oz/a	A						
MSO	1 % v/v	A						
3 AUTHORITY MAXX	3 oz/a	A	93 ab	86 c	99 a	58 a	92 a	96 a
2,4-D Ester	16 oz/a	A						
ROUNDUP PMAX	22 oz/a	A						
MSO	1 % v/v	A						
4 AUTHORITY MTZ	10 oz/a	A	94 ab	92 abc	97 a	53 a	79 a	93 a
2,4-D Ester	16 oz/a	A						
ROUNDUP PMAX	22 oz/a	A						
MSO	1 % v/v	A						
5 CRUSHER	1 oz/a	A	89 ab	76 d	99 a	16 bc	90 a	99 a
2,4-D Ester	16 oz/a	A						
ROUNDUP PMAX	22 oz/a	A						
MSO	1 % v/v	A						
6 EDITION BRDSPEC	0.5 oz/a	A	81 b	78 d	99 a	5 c	88 a	94 a
2,4-D Ester	16 oz/a	A						
ROUNDUP PMAX	22 oz/a	A						
MSO	1 % v/v	A						
7 VALOR SX	2 oz/a	A	88 ab	93 abc	99 a	51 a	78 a	95 a
2,4-D Ester	16 oz/a	A						
ROUNDUP PMAX	22 oz/a	A						
MSO	1 % v/v	A						
8 VERDICT	5 oz/a	A	99 a	88 bc	99 a	30 b	80 a	99 a
2,4-D Ester	16 oz/a	A						
ROUNDUP PMAX	22 oz/a	A						
MSO	1 % v/v	A						
9 SHARPEN	1 oz/a	A	99 a	89 abc	99 a	25 b	63 b	99 a
2,4-D Ester	16 oz/a	A						
ROUNDUP PMAX	22 oz/a	A						
MSO	1 % v/v	A						
10 GRAMOXONE SL	32 oz/a	A	91 ab	93 abc	99 a	0 c	0 c	82 a
2,4-D Ester	16 oz/a	A						
MSO	1 % v/v	A						
11 AUTHORITY MTZ	14 oz/a	A	94 ab	97 ab	99 a	69 a	94 a	97 a
GRAMOXONE SL	32 oz/a	A						
2,4-D Ester	16 oz/a	A						
MSO	1 % v/v	A						
12 AUTHORITY MTZ	14 oz/a	A	92 ab	99 a	99 a	67 a	92 a	90 a
GRAMOXONE SL	32 oz/a	A						
MSO	1 % v/v	A						

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