

University of Tennessee

WEED CONTROL PROGRAMS IN CORN / DIFLEXX DUO/ MPOST/ EFFICACY / TOLERANCE IN FIELD CORN - Madison Co.

Location: West Tennessee Research and Education Center - Jackson

Variety: Pioneer 1197 HR (planted 3/28/16)

Application: A 4/28/16; CO2 pressurized bkpack sprayer (15 gpa, 36 psi, 110025 AIXR)

Plots: 10 ft x 30 ft (RCBD, 4 reps)

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

Pest Name	P. amarantif	Annl grass	P. amarantif	Annl grass	P. amarantif	Pitted morning	Annl grass	
Rating Date	5/5/2016	5/5/2016	5/26/2016	5/26/2016	6/9/2016	6/9/2016	6/9/2016	
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	
Trt-Eval Interval	7 DA-A	7 DA-A	28 DA-A	28 DA-A	42 DA-A	42 DA-A	42 DA-A	
Treatment	Rate	Appl						
1 NONTREATED			0 b	0 b	0 b	0 c	0 b	0 b
2 DIFLEXX DUO	24 oz/a	A	99 a	99 a	87 a	95 ab	93 a	88 a
AATREX	16 oz/a	A						92 a
COC	1 % v/v	A						
AMS	8.5 lb/100 gal	A						
3 DIFLEXX DUO	24 oz/a	A	99 a	99 a	83 a	93 ab	87 a	89 a
ROUNDUP WMA	32 oz/a	A						94 a
AATREX	16 oz/a	A						
AMS	8.5 lb/100 gal	A						
4 DIFLEXX DUO	24 oz/a	A	99 a	99 a	89 a	91 b	91 a	90 a
LIBERTY 280	22 oz/a	A						92 a
AATREX	16 oz/a	A						
AMS	8.5 lb/100 gal	A						
5 CAPRENO	3 oz/a	A	99 a	99 a	90 a	97 ab	92 a	89 a
ROUNDUP WMA	32 oz/a	A						95 a
AATREX	16 oz/a	A						
AMS	8.5 lb/100 gal	A						
6 HALEX GT	3.6 pt/a	A	99 a	99 a	99 a	99 a	98 a	93 a
AATREX	16 oz/a	A						97 a
NIS	0.25 % v/v	A						
AMS	8.5 lb/100 gal	A						
7 ARMEZON	0.57 oz/a	A	99 a	99 a	79 a	93 ab	85 a	88 a
OUTLOOK	14 oz/a	A						91 a
AATREX	16 oz/a	A						
NIS	0.25 % v/v	A						
AMS	8.5 lb/100 gal	A						
8 ARMEZON	0.57 oz/a	A	99 a	99 a	89 a	95 ab	91 a	91 a
STATUS	3 oz/a	A						94 a
AATREX	16 oz/a	A						
NIS	0.25 % v/v	A						
AMS	8.5 lb/100 gal	A						
9 ARMEZON	0.57 oz/a	A	99 a	99 a	96 a	96 ab	96 a	92 a
OUTLOOK	14 oz/a	A						97 a
ROUNDUP WMA	32 oz/a	A						
AATREX	16 oz/a	A						
AMS	8.5 lb/100 gal	A						
10 ARMEZON	0.57 oz/a	A	99 a	99 a	83 a	95 ab	86 a	83 a
STATUS	3 oz/a	A						94 a
ROUNDUP WMA	32 oz/a	A						
AATREX	16 oz/a	A						
AMS	8.5 lb/100 gal	A						

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