

University of Tennessee

CROP PROTECTION MARKET DEVELOPMENT CORN TRIAL - Madison Co.

Location: West Tennessee Research and Education Center (Jackson)

Variety: Pioneer 1319 HR (planted 3/28/16)

Application: A 3/29/16; B 5/4/16; C 5/10/16; CO2 pressurized backpack 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. amarantifolius	Pitted mg	Anl Grass	P. amarantifolius	Anl Grass	Horseweed	P. amarantifolius	Pitted mg	Goosegrass		
Rating Date	5/3/2016	5/3/2016	5/3/2016	5/11/2016	5/11/2016	5/11/2016	6/9/2016	6/9/2016	6/9/2016		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Trt-Eval Interval	35 DA-A	35 DA-A	35 DA-A	7 DA-B	7 DA-B	7 DA-B	30 DA-C	30 DA-C	30 DA-C		
Treatment	Rate	Appl									
1 HARNESS XTRA 2.6 qt/a A			66 b	89 ab	94 a	48 b	93 a	54 c	64 d	70 c	86 b
ROUNDUP PMA 32 oz/a C											
CLASS ACT NG 2.5 % v/v C											
2 DEGREE XTRA 3 qt/a A			89 a	88 ab	96 a	84 a	96 a	81 ab	88 ab	87 ab	96 a
ROUNDUP PMA 32 oz/a C											
CLASS ACT NG 2.5 % v/v C											
3 TRIPLEFLEX 1.5 qt/a A			92 a	89 ab	98 a	91 a	97 a	95 a	83 abc	80 bc	92 a
AATREX 1 qt/a A											
ROUNDUP PMA 32 oz/a C											
CLASS ACT NG 2.5 % v/v C											
4 HARNESS XTRA 2 qt/a A			94 a	90 ab	98 a	81 a	98 a	86 a	73 cd	73 c	92 a
BALANCE FLEX 3 oz/a A											
ROUNDUP PMA 32 oz/a C											
CLASS ACT NG 2.5 % v/v C											
5 DEGREE XTRA 2.3 qt/a A			99 a	90 ab	98 a	99 a	99 a	87 a	93 a	85 ab	97 a
BALANCE FLEX 3 oz/a A											
ROUNDUP PMA 32 oz/a C											
CLASS ACT NG 2.5 % v/v C											
6 CORVUS 4 oz/a A			96 a	92 ab	98 a	86 a	99 a	83 ab	64 d	74 c	85 b
AATREX 1 qt/a A											
7 LUMAX EZ 3 qt/a A			98 a	90 ab	98 a	87 a	97 a	97 a	75 bcd	74 c	86 b
8 HALEX GT 2 qt/a B			0 c	0 c	0 c	83 a	96 a	82 ab	90 ab	90 ab	97 a
NIS 0.25 % v/v B											
9 AATREX 1 qt/a A			63 b	77 b	80 b	57 b	72 b	57 bc	93 a	93 ab	97 a
HALEX GT 5.5 % v/v C											
CLASS ACT NG 2.5 % v/v C											
10 REALM Q HERB 4 oz/a A			99 a	96 a	99 a	95 a	99 a	96 a	90 ab	88 ab	96 a
CINCH ATZ 2.6 qt/a A											
ABUNDIT EXTR 1.1 lb ae/a C											
CLASS ACT NG 2.5 % v/v C											
11 DEGREE XTRA 2.5 qt/a A			95 a	85 ab	98 a	93 a	90 a	73 abc	98 a	90 ab	97 a
ROUNDUP PMA 32 oz/a C											
IMPACT 0.75 oz/a C											
WARRANT 48 oz/a C											
CLASS ACT NG 2.5 % v/v C											
12 DEGREE XTRA 3 qt/a A			90 a	88 ab	95 a	77 a	96 a	82 ab	97 a	94 a	97 a
ROUNDUP PMA 32 oz/a C											
IMPACT 0.75 oz/a C											
CLASS ACT NG 2.5 % v/v C											
13 DEGREE XTRA 3 qt/a A			99 a	91 ab	96 a	94 a	99 a	77 abc	95 a	90 ab	96 a
ROUNDUP PMA 32 oz/a C											
STATUS 3 oz/a C											
CLASS ACT NG 2.5 % v/v C											
14 DEGREE XTRA 3 qt/a A			98 a	88 ab	99 a	91 a	99 a	70 abc	95 a	93 ab	97 a
ROUNDUP PMA 32 oz/a C											
TRIPLEFLEX 1.5 qt/a C											
CLASS ACT NG 2.5 % v/v C											

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