

University of Tennessee

NO-TILL DICAMBA PROGRAMS FOR RR2X SOYBEANS IN SOUTHERN US - Madison Co.

Location: West TN Research and Education Center - Jackson

Variety: RoundUp Ready

Application: Appl A 4/20/14; Appl B 6/15/15; CO2 pressurized backpack sprayer (15 gpa, TTI nozzles)

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

Rating Scale of 0-100 (% control of weed)

Pest Name					Horseweed	Palmer amaranth	Goosegrass	Palmer amaranth	Annl Grasses					
Rating Date					5/17/2015	5/17/2015	5/17/2015	6/22/2015	6/22/2015					
Rating Type					CONTROL	CONTROL	CONTROL	CONTROL	CONTROL					
Trt-Eval Interval					27 DA-A	27 DA-A	27 DA-A	7 DA-B	7 DA-B					
	Treatment	Rate		Appl										
1	TRIVENCE	8	oz/a	A	96	a	99	a	99	a	88	a	87	b
	ROUNDUP POWERMAX	22.00	fl oz/a	A										
	CLARITY	22	oz/a	A										
	ROUNDUP POWERMAX	22.00	fl oz/a	B										
	CLARITY	22	oz/a	B										
2	TRIVENCE	8	oz/a	A	93	a	99	a	99	a	88	a	97	ab
	ROUNDUP POWERMAX	22.00	fl oz/a	A										
	CLARITY	22	oz/a	A										
	ROUNDUP POWERMAX	22.00	fl oz/a	B										
	CINCH	1.00	pt/a	B										
	CLARITY	22	oz/a	B										
3	ENVIVE	3.5	oz/a	A	92	a	99	a	99	a	90	a	90	ab
	ROUNDUP POWERMAX	22.00	fl oz/a	A										
	CLARITY	22	oz/a	A										
	ROUNDUP POWERMAX	22.00	fl oz/a	B										
	CLARITY	22	oz/a	B										
4	ENVIVE	3.5	oz/a	A	96	a	99	a	99	a	90	a	93	ab
	ROUNDUP POWERMAX	22.00	fl oz/a	A										
	CLARITY	22	oz/a	A										
	ROUNDUP POWERMAX	22.00	fl oz/a	B										
	CLARITY	22	oz/a	B										
	CINCH	1.00	pt/a	B										
5	ENVIVE	3.5	oz/a	A	97	a	99	a	99	a	91	a	98	a
	ROUNDUP POWERMAX	22.00	fl oz/a	A										
	CLARITY	22	oz/a	A										
	ROUNDUP POWERMAX	22.00	fl oz/a	B										
	PREFIX	2.00	pt/a	B										
6	CANOPY	6	oz/a	A	92	a	99	a	99	a	61	b	92	ab
	CINCH	1.00	pt/a	A										
	ROUNDUP POWERMAX	22.00	fl oz/a	A										
	CLARITY	22	oz/a	A										
	ROUNDUP POWERMAX	22.00	fl oz/a	B										
	CLARITY	22	oz/a	B										
7	CANOPY	6	oz/a	A	89	a	99	a	99	a	63	b	96	ab
	CINCH	1.00	pt/a	A										
	ROUNDUP POWERMAX	22.00	fl oz/a	A										
	CLARITY	22	oz/a	A										
	ROUNDUP POWERMAX	22.00	fl oz/a	B										
	CLARITY	22	oz/a	B										
	CINCH	1.00	pt/a	B										
8	ROUNDUP POWERMAX	32	oz/a	A	93	a	84	b	70	b	64	b	76	c
	CLARITY	1	pt/a	A										
	ROUNDUP POWERMAX	32	oz/a	B										
	CLARITY	1	pt/a	B										
9	NONTREATED				0	b	0	c	0	c	0	c	0	d

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

Horseweed 6/22/2015 CONTROL 7 DA-B	Horseweed 7/13/2015 CONTROL 28 DA-B	Palmer amaranth 7/13/2015 CONTROL 28 DA-B	Annl Grasses 7/13/2015 CONTROL 28 DA-B
99 a	99 a	76 c	63 b
95 a	99 a	91 ab	93 a
99 a	99 a	82 bc	56 c
99 a	99 a	94 a	94 a
99 a	99 a	91 ab	97 a
99 a	99 a	67 d	64 b
99 a	99 a	78 c	97 a
99 a	99 a	64 d	66 b
0 b	25 b	0 e	0 d