

University of Tennessee

HERBICIDE INJURY FROM 2,4-D AND DICAMBA TO ROUNDUP READY 2 YIELD XTEND SOYBEAN - Gibson Co.

Variety: Asgrow 46x6

Application: A 6/14/16; B 6/27/16 (CO2 pressurized backpack sprayer; 15 gpa TTI 025 35 psi)

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

Rating scale of 0-100 (% injury - 0 no injury, 100 death)

Crop Name			Soybean	Soybean	Soybean	Soybean	Soybean
Rating Date			6/22/2016	7/4/2016	7/11/2016	7/17/2016	9/27/2016
Rating Type			INJURY	INJURY	INJURY	INJURY	YIELD
Trt-Eval Interval			8 DA-A	7 DA-B	14 DA-B	20 DA-B	
Treatment	Rate	Appl					
1 ROUNDUP PMAX	28.4 fl oz/a	A	99 a	97 a	93 a	95 a	6 g
WEEDAR 64	16.8 oz/a	A					
2 ROUNDUP PMAX	28.4 fl oz/a	A	22 b	18 cde	19 cd	14 d	42 d
WEEDAR 64	1.68 fl oz/a	A					
3 ROUNDUP PMAX	28.4 fl oz/a	A	18 bc	5 de	14 cde	11 de	48 bcd
WEEDAR 64	0.168 fl oz/a	A					
4 ROUNDUP PMAX	28.4 fl oz/a	A	12 cd	4 de	14 cde	3 ef	51 abc
WEEDAR 64	0.0168 fl oz/a	A					
5 ROUNDUP PMAX	28.4 fl oz/a	A	99 a	91 a	86 ab	85 b	9 g
CLARITY	16 fl oz/a	A					
WEEDAR 64	16.8 fl oz/a	A					
6 ROUNDUP PMAX	28.4 fl oz/a	A	19 bc	11 de	16 cde	13 d	48 cd
CLARITY	16 fl oz/a	A					
WEEDAR 64	1.68 fl oz/a	A					
7 ROUNDUP PMAX	28.4 fl oz/a	A	13 cd	4 de	11 cde	9 def	51 abc
CLARITY	16 fl oz/a	A					
WEEDAR 64	0.168 fl oz/a	A					
8 ROUNDUP PMAX	28.4 fl oz/a	A	9 de	4 de	6 de	6 def	54 abc
CLARITY	16 fl oz/a	A					
WEEDAR 64	0.0168 fl oz/a	A					
9 ROUNDUP PMAX	28.4 fl oz/a	A	1 e	0 e	0 e	0 f	57 a
CLARITY	16 fl oz/a	A					
10 ROUNDUP PMAX	28.4 fl oz/a	B	0 e	63 b	74 b	78 c	21 f
WEEDAR 64	16.8 fl oz/a	B					
11 ROUNDUP PMAX	28.4 fl oz/a	B	0 e	19 cd	25 c	13 d	50 abc
WEEDAR 64	1.68 fl oz/a	B					
12 ROUNDUP PMAX	28.4 fl oz/a	B	0 e	5 de	12 cde	7 def	55 abc
WEEDAR 64	0.168 fl oz/a	B					
13 ROUNDUP PMAX	28.4 fl oz/a	B	0 e	1 de	7 de	8 def	57 ab
WEEDAR 64	0.0168 fl oz/a	B					
14 ROUNDUP PMAX	28.4 fl oz/a	B	0 e	66 b	76 b	77 c	27 e
CLARITY	16 fl oz/a	B					
WEEDAR 64	16.8 fl oz/a	B					
15 ROUNDUP PMAX	28.4 fl oz/a	B	0 e	26 c	26 c	14 d	49 abc
CLARITY	16 fl oz/a	B					
WEEDAR 64	1.68 fl oz/a	B					
16 ROUNDUP PMAX	28.4 fl oz/a	B	0 e	5 de	9 cde	7 def	58 a
CLARITY	16 fl oz/a	B					
WEEDAR 64	0.168 fl oz/a	B					
17 ROUNDUP PMAX	28.4 fl oz/a	B	0 e	4 de	11 cde	8 def	54 abc
CLARITY	16 fl oz/a	B					
WEEDAR 64	0.0168 fl oz/a	B					
18 ROUNDUP PMAX	28.4 fl oz/a	B	0 e	3 de	1 de	1 f	54 abc
CLARITY	16 fl oz/a	B					

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