

Comparison of new dicamba formulations and 2,4-D for postemergence waterhemp control

Trial ID: NC06-20

Location: Isabella Co.

Trial Year: 2020

Protocol ID: NC06-20

Investigator: Christy Sprague

Project ID:

Study Director: Sprague, Powell, Stiles

Sponsor Contact:

Pest Code	AMATU	AMATU	AMATU
Rating Date	Jul-22-2020	Jul-29-2020	Aug-12-2020
Rating Type	control	control	control
Rating Unit	percent	percent	percent
Trt-Eval Interval	14 DA-A	21 DA-A	35 DA-A
Number of Decimals	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Rate	Appl Timing	Appl Code			
1	Untreated							0	0	0
2	MON 301286	4	L		3 pt/a	POST	A	70	72	76
	MON 51817		L		1 % v/v	POST	A			
	Class Act Ridion		L		1 % v/v	POST	A			
	Intact		L		0.5 % v/v	POST	A			
3	MON 301286	4	L		3 pt/a	POST	A	66	70	69
	MON 51817		L		1 % v/v	POST	A			
	Class Act Ridion		L		1 % v/v	POST	A			
4	MON 301286	4	L		3 pt/a	POST	A	76	84	89
	XtendiMax	2.9	L		22 fl oz/a	POST	A			
	MON 51817		L		1 % v/v	POST	A			
	Class Act Ridion		L		1 % v/v	POST	A			
	Intact		L		0.5 % v/v	POST	A			
5	XtendiMax	2.9	L		22 fl oz/a	POST	A	71	78	82
	Roundup PowerMax	4.5	SL		32 fl oz/a	POST	A			
	MON 51817		L		1 % v/v	POST	A			
	Class Act Ridion		L		1 % v/v	POST	A			
	Intact		L		0.5 % v/v	POST	A			
6	XtendiMax	2.9	L		44 fl oz/a	POST	A	82	91	94
	Roundup PowerMax	4.5	SL		32 fl oz/a	POST	A			
	MON 51817		L		1 % v/v	POST	A			
	Class Act Ridion		L		1 % v/v	POST	A			
	Intact		L		0.5 % v/v	POST	A			
7	Enlist One	3.8	L		24 fl oz/a	POST	A	82	88	90
	Roundup PowerMax	4.5	SL		32 fl oz/a	POST	A			
	N-PAK AMS Liquid		L		2.5 % v/v	POST	A			
8	Enlist One	3.8	L		32 fl oz/a	POST	A	85	91	90
	Roundup PowerMax	4.5	SL		32 fl oz/a	POST	A			
	N-PAK AMS Liquid		L		2.5 % v/v	POST	A			
9	Enlist One	3.8	L		32 fl oz/a	POST	A	91	94	92
	Liberty	2.34	L		32 fl oz/a	POST	A			
	N-PAK AMS Liquid		L		2.5 % v/v	POST	A			
10	Enlist Duo	3.33	L		4 pt/a	POST	A	93	97	97
	N-PAK AMS Liquid		L		2.5 % v/v	POST	A			
11	Enlist Duo	3.33	L		4.75 pt/a	POST	A	90	97	96
	N-PAK AMS Liquid		L		2.5 % v/v	POST	A			
12	XtendiMax	2.9	L		22 fl oz/a	POST	A	63	63	53
	Liberty	2.34	L		32 fl oz/a	POST	A			
	MON 51817		L		1 % v/v	POST	A			
	Class Act Ridion		L		1 % v/v	POST	A			
	Intact		L		0.5 % v/v	POST	A			
13	XtendiMax	2.9	L		22 fl oz/a	POST	A	64	64	56
	Liberty	2.34	L		32 fl oz/a	POST	A			
	Roundup PowerMax	4.5	SL		32 fl oz/a	POST	A			
	MON 51817		L		1 % v/v	POST	A			
	Class Act Ridion		L		1 % v/v	POST	A			
	Intact		L		0.5 % v/v	POST	A			
14	Liberty	2.34	L		32 fl oz/a	POST	A	61	64	41
	Roundup PowerMax	4.5	SL		32 fl oz/a	POST	A			
	N-PAK AMS Liquid		L		2.5 % v/v	POST	A			
15	Liberty	2.34	L		32 fl oz/a	POST	A	55	60	41
	N-PAK AMS Liquid		L		2.5 % v/v	POST	A			

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code			
16	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A	10	2	8
	N-PAK AMS Liquid	L		2.5	% v/v	POST	A			
	LSD P=.05							6.2	6.2	6.2
	Standard Deviation							4.3	4.4	4.4
	CV							6.57	6.26	6.49