

**Weed control and crop safety with higher loaded formulations of dicamba**

Trial ID: SOY14.5-17 Study Dir.: Sprague, Powell, Stiles  
 Conducted: Campus B-10 Investigator: Christy Sprague

**Planting Date:** May-9-2017 **Row Spacing:** 30 IN  
**Variety:** AG25X6 **No. of Reps:** 4  
**Population:** 155000 S/A **% OM:** 2.3  
**Soil Type:** L loam **pH:** 7.3  
**Plot Size:** 10 X 35 FT **Study Design:** Randomized Complete Block (RCB)

**Tillage/Previous Crops:** Fall chisel plow; spring soil finish twice  
**Fertilizer:**

**Crop and Weed Description**

Weed	Code	Common Name	Scientific Name
1	ANGR	mainly foxtail species	Annual grass
2	CHEAL	lambquarters, common	Chenopodium album
3	AMAPO	amaranth, Powell	Amaranthus powellii
4	AMBEL	ragweed, common	Ambrosia artemisiifolia
5	HIBTR	Venice mallow	Hibiscus trionum
Crop	Code	Common Name	
1	GLXMA	Soybean	

**Application Description**

	A	B
<b>Application Timing:</b>	EPOS	POST
<b>Date Treated:</b>	May-30-2017	Jun-14-2017
<b>Time Treated:</b>	8:45 AM	3:20 PM
<b>% Cloud Cover:</b>	0	40
<b>Air Temp., Unit:</b>	63 F	86 F
<b>% Relative Humidity:</b>	56	54
<b>Wind Speed/Unit/Dir:</b>	2.5 mph SW	3 mph SE
<b>Soil Temp, Unit:</b>	59 F	83 F
<b>Leaf Moist/Dew Presence (Y/N):</b>	5	5
<b>Soil Moist:</b>	5	5

**Crop Stage at Each Application**

	A	B
<b>Crop 1 Name:</b>	GLXMA	GLXMA
<b>Height:</b>		7 "
<b>Stage:</b>	V1	V3

**Weed Stage at Each Application**

	A	B
<b>Weed 1 Name:</b>	ANGR	ANGR
<b>Height:</b>	2-4 " (3)	5-6 " (5.5)
<b>Stage:</b>	2	5L
<b>Weed 2 Name:</b>	CHEAL	CHEAL
<b>Height:</b>	1-2 " (1.5)	3-4 " (3.5)
<b>Stage:</b>	4-6L	10-14L
<b>Weed 3 Name:</b>	AMAPO	AMAPO
<b>Height:</b>	1-2 " (1.5)	3-4 " (3.5)
<b>Stage:</b>	5L	8-10L
<b>Weed 4 Name:</b>	AMBEL	AMBEL
<b>Height:</b>	.5-2 " (1)	3-5 " (4)
<b>Stage:</b>	5L	6-10L
<b>Weed 5 Name:</b>	HIBTR	HIBTR
<b>Height:</b>	1 "	2-4 " (3)
<b>Stage:</b>	2L	3-4L

**Weed Density**

	1	2	3	4	5
<b>Date:</b>	Jun-14-2017	Jun-14-2017	Jun-14-2017	Jun-14-2017	Jun-14-2017
<b>Weed Name:</b>	ANGR	CHEAL	AMAPO	AMBEL	HIBTR
<b>Density:</b>	10 FT2	2 FT2	4 FT2	1 FT2	5 FT2

**Application Equipment**

Appl	Sprayer Type	Ground Speed	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	Spray Volume	Carrier	Operation Pressure
A	Cub	3.8 MPH	TTI	11003	23 "	20 "	100 "	19 GPA	WATER	25 PSI
B	Cub	3.8 MPH	TTI	11003	24 "	20 "	100 "	19 GPA	WATER	25 PSI

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**Comments:**

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Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ANGR	CHEAL	AMAPO	AMBEL	HIBTR
Crop Code	GLXMA				
Rating Date	Jun-6-2017	Jun-6-2017	Jun-6-2017	Jun-6-2017	Jun-6-2017
Rating Type	injury	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*	
1	MON 119144	4	SL	16 fl oz/a	A		2	100	100	100	95	100
1	Roundup PowerMax	4.5	SL	32 fl oz/a	A							
1	Class Act Ridion		L	0.5 % v/v	A							
2	MON 119151	4	SL	48 fl oz/a	A		2	100	99	100	93	100
2	Class Act Ridion		L	0.5 % v/v	A							
3	MON 119144	4	SL	16 fl oz/a	A		3	98	100	100	94	98
3	Warrant	3	L	3 pt/a	A							
3	Roundup PowerMax	4.5	SL	32 fl oz/a	A							
3	Class Act Ridion		L	0.5 % v/v	A							
4	MON 119151	4	SL	48 fl oz/a	A		3	99	98	100	96	99
4	Warrant	3	L	3 pt/a	A							
4	Class Act Ridion		L	0.5 % v/v	A							
5	MON 76980	2.91	SL	22 fl oz/a	B							
5	Roundup PowerMax	4.5	SL	32 fl oz/a	B							
5	Intact		L	0.5 % v/v	B							
5	Class Act Ridion		L	0.5 % v/v	B							
6	MON 119144	4	SL	16 fl oz/a	B							
6	Roundup PowerMax	4.5	SL	32 fl oz/a	B							
6	Class Act Ridion		L	0.5 % v/v	B							
7	MON 76981	3	SL	64 fl oz/a	B							
7	Class Act Ridion		L	0.5 % v/v	B							
8	MON 119151	4	SL	48 fl oz/a	B							
8	Class Act Ridion		L	0.5 % v/v	B							
9	SelectMax	0.97	L	6 fl oz/a	B							
9	MON 119144	4	SL	16 fl oz/a	B							
9	Roundup PowerMax	4.5	SL	32 fl oz/a	B							
9	Class Act Ridion		L	0.5 % v/v	B							
10	SelectMax	0.97	L	6 fl oz/a	B							
10	MON 119151	4	SL	48 fl oz/a	B							
10	Class Act Ridion		L	0.5 % v/v	B							
11	SelectMax	0.97	L	6 fl oz/a	B							
11	Warrant	3	L	3 pt/a	B							
11	MON 119144	4	SL	16 fl oz/a	B							
11	Roundup PowerMax	4.5	SL	32 fl oz/a	B							
11	Class Act Ridion		L	0.5 % v/v	B							

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 4,7 because error mean square = 0.

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Pest Code		ANGR	CHEAL	AMAPO	AMBEL	HIBTR
Crop Code	GLXMA					
Rating Date	Jun-6-2017	Jun-6-2017	Jun-6-2017	Jun-6-2017	Jun-6-2017	Jun-6-2017
Rating Type	injury	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*	*
12	SelectMax	0.97	L	6 fl oz/a	B							
12	Warrant	3	L	3 pt/a	B							
12	MON 119151	4	SL	48 fl oz/a	B							
12	Class Act Ridion		L	0.5 % v/v	B							
13	Warrant Ultra	3.49	L	50 fl oz/a	B							
13	MON 119144	4	SL	16 fl oz/a	B							
13	Roundup PowerMax	4.5	SL	32 fl oz/a	B							
13	Class Act Ridion		L	0.5 % v/v	B							
14	Warrant Ultra	3.49	L	50 fl oz/a	B							
14	MON 119151	4	SL	48 fl oz/a	B							
14	Class Act Ridion		L	0.5 % v/v	B							
	LSD P=.05						1.8	3.2	2.7	.	8.5	3.0
	Standard Deviation						1.1	2.0	1.7	0.0	5.3	1.9
	CV						42.59	1.99	1.67	0.0	5.61	1.87

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Crop Code	GLXMA				
Rating Date	Jun-14-2017	Jun-14-2017	Jun-14-2017	Jun-14-2017	Jun-14-2017
Rating Type	injury	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	15 DA-A	15 DA-A	15 DA-A	15 DA-A	15 DA-A
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*	*
1	MON 119144	4	SL	16 fl oz/a	A		0	93	98	95	99	100
1	Roundup PowerMax	4.5	SL	32 fl oz/a	A							
1	Class Act Ridion		L	0.5 % v/v	A							
2	MON 119151	4	SL	48 fl oz/a	A		0	98	97	97	99	100
2	Class Act Ridion		L	0.5 % v/v	A							
3	MON 119144	4	SL	16 fl oz/a	A		0	95	98	95	98	99
3	Warrant	3	L	3 pt/a	A							
3	Roundup PowerMax	4.5	SL	32 fl oz/a	A							
3	Class Act Ridion		L	0.5 % v/v	A							
4	MON 119151	4	SL	48 fl oz/a	A		0	96	94	91	100	99
4	Warrant	3	L	3 pt/a	A							
4	Class Act Ridion		L	0.5 % v/v	A							
5	MON 76980	2.91	SL	22 fl oz/a	B							
5	Roundup PowerMax	4.5	SL	32 fl oz/a	B							
5	Intact		L	0.5 % v/v	B							
5	Class Act Ridion		L	0.5 % v/v	B							
6	MON 119144	4	SL	16 fl oz/a	B							
6	Roundup PowerMax	4.5	SL	32 fl oz/a	B							
6	Class Act Ridion		L	0.5 % v/v	B							
7	MON 76981	3	SL	64 fl oz/a	B							
7	Class Act Ridion		L	0.5 % v/v	B							
8	MON 119151	4	SL	48 fl oz/a	B							
8	Class Act Ridion		L	0.5 % v/v	B							
9	SelectMax	0.97	L	6 fl oz/a	B							
9	MON 119144	4	SL	16 fl oz/a	B							
9	Roundup PowerMax	4.5	SL	32 fl oz/a	B							
9	Class Act Ridion		L	0.5 % v/v	B							
10	SelectMax	0.97	L	6 fl oz/a	B							
10	MON 119151	4	SL	48 fl oz/a	B							
10	Class Act Ridion		L	0.5 % v/v	B							
11	SelectMax	0.97	L	6 fl oz/a	B							
11	Warrant	3	L	3 pt/a	B							
11	MON 119144	4	SL	16 fl oz/a	B							
11	Roundup PowerMax	4.5	SL	32 fl oz/a	B							
11	Class Act Ridion		L	0.5 % v/v	B							

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Crop Code	GLXMA					
Rating Date	Jun-14-2017	Jun-14-2017	Jun-14-2017	Jun-14-2017	Jun-14-2017	Jun-14-2017
Rating Type	injury	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	15 DA-A	15 DA-A	15 DA-A	15 DA-A	15 DA-A	15 DA-A
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*	*
12	SelectMax	0.97	L	6 fl oz/a	B							
12	Warrant	3	L	3 pt/a	B							
12	MON 119151	4	SL	48 fl oz/a	B							
12	Class Act Ridion		L	0.5 % v/v	B							
13	Warrant Ultra	3.49	L	50 fl oz/a	B							
13	MON 119144	4	SL	16 fl oz/a	B							
13	Roundup PowerMax	4.5	SL	32 fl oz/a	B							
13	Class Act Ridion		L	0.5 % v/v	B							
14	Warrant Ultra	3.49	L	50 fl oz/a	B							
14	MON 119151	4	SL	48 fl oz/a	B							
14	Class Act Ridion		L	0.5 % v/v	B							
	LSD P=.05						.	5.7	4.0	9.6	3.8	1.4
	Standard Deviation						0.0	3.5	2.5	6.0	2.4	0.9
	CV						0.0	3.72	2.6	6.39	2.41	0.87

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Pest Code	ANGL	CHEAL	AMAPO	AMBEL	HIBTR
Crop Code	GLXMA				
Rating Date	Jun-21-2017	Jun-21-2017	Jun-21-2017	Jun-21-2017	Jun-21-2017
Rating Type	injury	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	7 DA-B	7 DA-B	7 DA-B	7 DA-B	7 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*	*
1	MON 119144	4	SL	16 fl oz/a	A		0	93	93	87	98	100
1	Roundup PowerMax	4.5	SL	32 fl oz/a	A							
1	Class Act Ridion		L	0.5 % v/v	A							
2	MON 119151	4	SL	48 fl oz/a	A		0	95	90	89	98	100
2	Class Act Ridion		L	0.5 % v/v	A							
3	MON 119144	4	SL	16 fl oz/a	A		0	93	88	86	98	98
3	Warrant	3	L	3 pt/a	A							
3	Roundup PowerMax	4.5	SL	32 fl oz/a	A							
3	Class Act Ridion		L	0.5 % v/v	A							
4	MON 119151	4	SL	48 fl oz/a	A		0	92	83	81	99	96
4	Warrant	3	L	3 pt/a	A							
4	Class Act Ridion		L	0.5 % v/v	A							
5	MON 76980	2.91	SL	22 fl oz/a	B		5	100	96	100	99	100
5	Roundup PowerMax	4.5	SL	32 fl oz/a	B							
5	Intact		L	0.5 % v/v	B							
5	Class Act Ridion		L	0.5 % v/v	B							
6	MON 119144	4	SL	16 fl oz/a	B		2	98	96	100	99	100
6	Roundup PowerMax	4.5	SL	32 fl oz/a	B							
6	Class Act Ridion		L	0.5 % v/v	B							
7	MON 76981	3	SL	64 fl oz/a	B		4	97	96	100	100	99
7	Class Act Ridion		L	0.5 % v/v	B							
8	MON 119151	4	SL	48 fl oz/a	B		1	99	94	100	99	100
8	Class Act Ridion		L	0.5 % v/v	B							
9	SelectMax	0.97	L	6 fl oz/a	B		5	99	95	100	100	100
9	MON 119144	4	SL	16 fl oz/a	B							
9	Roundup PowerMax	4.5	SL	32 fl oz/a	B							
9	Class Act Ridion		L	0.5 % v/v	B							
10	SelectMax	0.97	L	6 fl oz/a	B		4	99	94	100	99	100
10	MON 119151	4	SL	48 fl oz/a	B							
10	Class Act Ridion		L	0.5 % v/v	B							
11	SelectMax	0.97	L	6 fl oz/a	B		4	100	95	100	99	100
11	Warrant	3	L	3 pt/a	B							
11	MON 119144	4	SL	16 fl oz/a	B							
11	Roundup PowerMax	4.5	SL	32 fl oz/a	B							
11	Class Act Ridion		L	0.5 % v/v	B							

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Pest Code		ANGR	CHEAL	AMAPO	AMBEL	HIBTR
Crop Code	GLXMA					
Rating Date	Jun-21-2017	Jun-21-2017	Jun-21-2017	Jun-21-2017	Jun-21-2017	Jun-21-2017
Rating Type	injury	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	7 DA-B	7 DA-B	7 DA-B	7 DA-B	7 DA-B	7 DA-B
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*	*
12	SelectMax	0.97	L	6 fl oz/a	B		4	100	96	100	100	100
12	Warrant	3	L	3 pt/a	B							
12	MON 119151	4	SL	48 fl oz/a	B							
12	Class Act Ridion		L	0.5 % v/v	B							
13	Warrant Ultra	3.49	L	50 fl oz/a	B		17	100	99	100	100	100
13	MON 119144	4	SL	16 fl oz/a	B							
13	Roundup PowerMax	4.5	SL	32 fl oz/a	B							
13	Class Act Ridion		L	0.5 % v/v	B							
14	Warrant Ultra	3.49	L	50 fl oz/a	B		17	98	98	100	100	100
14	MON 119151	4	SL	48 fl oz/a	B							
14	Class Act Ridion		L	0.5 % v/v	B							
	LSD P=.05						1.9	4.9	7.5	7.6	3.5	3.4
	Standard Deviation						1.3	3.4	5.3	5.3	2.5	2.4
	CV						30.1	3.5	5.63	5.54	2.5	2.39

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Pest Code						ANGR	CHEAL	AMAPO	AMBEL		
Crop Code						GLXMA				GLXMA	
Rating Date						Jun-28-2017	Jun-28-2017	Jun-28-2017	Jun-28-2017	Jun-28-2017	Jul-12-2017
Rating Type						injury	control	control	control	control	injury
Rating Unit						percent	percent	percent	percent	percent	percent
Trt-Eval Interval						14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B	28 DA-B
Number of Decimals						0	0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
1	MON 119144	4	SL	16 fl oz/a	A		0	84	100	91	95
1	Roundup PowerMax	4.5	SL	32 fl oz/a	A						
1	Class Act Ridion		L	0.5 % v/v	A						
2	MON 119151	4	SL	48 fl oz/a	A		0	94	96	89	98
2	Class Act Ridion		L	0.5 % v/v	A						
3	MON 119144	4	SL	16 fl oz/a	A		1	90	98	84	98
3	Warrant	3	L	3 pt/a	A						
3	Roundup PowerMax	4.5	SL	32 fl oz/a	A						
3	Class Act Ridion		L	0.5 % v/v	A						
4	MON 119151	4	SL	48 fl oz/a	A		0	91	95	89	99
4	Warrant	3	L	3 pt/a	A						
4	Class Act Ridion		L	0.5 % v/v	A						
5	MON 76980	2.91	SL	22 fl oz/a	B		2	100	100	100	100
5	Roundup PowerMax	4.5	SL	32 fl oz/a	B						
5	Intact		L	0.5 % v/v	B						
5	Class Act Ridion		L	0.5 % v/v	B						
6	MON 119144	4	SL	16 fl oz/a	B		1	100	100	100	95
6	Roundup PowerMax	4.5	SL	32 fl oz/a	B						
6	Class Act Ridion		L	0.5 % v/v	B						
7	MON 76981	3	SL	64 fl oz/a	B		2	100	100	100	100
7	Class Act Ridion		L	0.5 % v/v	B						
8	MON 119151	4	SL	48 fl oz/a	B		1	100	100	100	100
8	Class Act Ridion		L	0.5 % v/v	B						
9	SelectMax	0.97	L	6 fl oz/a	B		2	100	100	100	100
9	MON 119144	4	SL	16 fl oz/a	B						
9	Roundup PowerMax	4.5	SL	32 fl oz/a	B						
9	Class Act Ridion		L	0.5 % v/v	B						
10	SelectMax	0.97	L	6 fl oz/a	B		0	100	100	100	100
10	MON 119151	4	SL	48 fl oz/a	B						
10	Class Act Ridion		L	0.5 % v/v	B						
11	SelectMax	0.97	L	6 fl oz/a	B		2	100	100	100	100
11	Warrant	3	L	3 pt/a	B						
11	MON 119144	4	SL	16 fl oz/a	B						
11	Roundup PowerMax	4.5	SL	32 fl oz/a	B						
11	Class Act Ridion		L	0.5 % v/v	B						

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Pest Code		ANGR	CHEAL	AMAPO	AMBEL	
Crop Code	GLXMA					GLXMA
Rating Date	Jun-28-2017	Jun-28-2017	Jun-28-2017	Jun-28-2017	Jun-28-2017	Jul-12-2017
Rating Type	injury	control	control	control	control	injury
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B	28 DA-B
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*	*
12	SelectMax	0.97	L	6 fl oz/a	B		1	100	100	100	100	4
12	Warrant	3	L	3 pt/a	B							
12	MON 119151	4	SL	48 fl oz/a	B							
12	Class Act Ridion		L	0.5 % v/v	B							
13	Warrant Ultra	3.49	L	50 fl oz/a	B		11	100	100	100	100	5
13	MON 119144	4	SL	16 fl oz/a	B							
13	Roundup PowerMax	4.5	SL	32 fl oz/a	B							
13	Class Act Ridion		L	0.5 % v/v	B							
14	Warrant Ultra	3.49	L	50 fl oz/a	B		8	100	100	100	100	5
14	MON 119151	4	SL	48 fl oz/a	B							
14	Class Act Ridion		L	0.5 % v/v	B							
	LSD P=.05						2.6	7.0	4.0	4.5	5.9	3.5
	Standard Deviation						1.8	4.9	2.8	3.2	4.1	2.4
	CV						87.28	5.02	2.84	3.26	4.2	149.46

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 4,7 because error mean square = 0.

**Weed control and crop safety with higher loaded formulations of dicamba**

Trial ID: SOY14.5-17

Location: Campus B-10

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ANGR	CHEAL	AMAPO	AMBEL	HIBTR
Crop Code					
Rating Date	Jul-12-2017	Jul-12-2017	Jul-12-2017	Jul-12-2017	Jul-12-2017
Rating Type	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	28 DA-B	28 DA-B	28 DA-B	28 DA-B	28 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
1	MON 119144	4	SL	16 fl oz/a	A		76	100	98	93	100
1	Roundup PowerMax	4.5	SL	32 fl oz/a	A						
1	Class Act Ridion		L	0.5 % v/v	A						
2	MON 119151	4	SL	48 fl oz/a	A		86	98	95	96	99
2	Class Act Ridion		L	0.5 % v/v	A						
3	MON 119144	4	SL	16 fl oz/a	A		84	92	94	96	99
3	Warrant	3	L	3 pt/a	A						
3	Roundup PowerMax	4.5	SL	32 fl oz/a	A						
3	Class Act Ridion		L	0.5 % v/v	A						
4	MON 119151	4	SL	48 fl oz/a	A		87	97	93	100	95
4	Warrant	3	L	3 pt/a	A						
4	Class Act Ridion		L	0.5 % v/v	A						
5	MON 76980	2.91	SL	22 fl oz/a	B		97	100	99	100	98
5	Roundup PowerMax	4.5	SL	32 fl oz/a	B						
5	Intact		L	0.5 % v/v	B						
5	Class Act Ridion		L	0.5 % v/v	B						
6	MON 119144	4	SL	16 fl oz/a	B		94	100	100	100	96
6	Roundup PowerMax	4.5	SL	32 fl oz/a	B						
6	Class Act Ridion		L	0.5 % v/v	B						
7	MON 76981	3	SL	64 fl oz/a	B		98	100	99	100	100
7	Class Act Ridion		L	0.5 % v/v	B						
8	MON 119151	4	SL	48 fl oz/a	B		98	100	99	100	100
8	Class Act Ridion		L	0.5 % v/v	B						
9	SelectMax	0.97	L	6 fl oz/a	B		97	100	100	100	100
9	MON 119144	4	SL	16 fl oz/a	B						
9	Roundup PowerMax	4.5	SL	32 fl oz/a	B						
9	Class Act Ridion		L	0.5 % v/v	B						
10	SelectMax	0.97	L	6 fl oz/a	B		96	100	100	100	99
10	MON 119151	4	SL	48 fl oz/a	B						
10	Class Act Ridion		L	0.5 % v/v	B						
11	SelectMax	0.97	L	6 fl oz/a	B		100	100	100	100	100
11	Warrant	3	L	3 pt/a	B						
11	MON 119144	4	SL	16 fl oz/a	B						
11	Roundup PowerMax	4.5	SL	32 fl oz/a	B						
11	Class Act Ridion		L	0.5 % v/v	B						

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 4,7 because error mean square = 0.

## Weed control and crop safety with higher loaded formulations of dicamba

Trial ID: SOY14.5-17

Location: Campus B-10

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ANGR	CHEAL	AMAPO	AMBEL	HIBTR
Crop Code					
Rating Date	Jul-12-2017	Jul-12-2017	Jul-12-2017	Jul-12-2017	Jul-12-2017
Rating Type	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	28 DA-B	28 DA-B	28 DA-B	28 DA-B	28 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
12	SelectMax	0.97	L	6 fl oz/a	B		100	100	100	100	98
12	Warrant	3	L	3 pt/a	B						
12	MON 119151	4	SL	48 fl oz/a	B						
12	Class Act Ridion		L	0.5 % v/v	B						
13	Warrant Ultra	3.49	L	50 fl oz/a	B		100	100	100	100	100
13	MON 119144	4	SL	16 fl oz/a	B						
13	Roundup PowerMax	4.5	SL	32 fl oz/a	B						
13	Class Act Ridion		L	0.5 % v/v	B						
14	Warrant Ultra	3.49	L	50 fl oz/a	B		100	100	100	100	100
14	MON 119151	4	SL	48 fl oz/a	B						
14	Class Act Ridion		L	0.5 % v/v	B						
	LSD P=.05						5.8	3.0	5.4	5.3	4.4
	Standard Deviation						4.1	2.1	3.8	3.7	3.0
	CV						4.36	2.1	3.86	3.73	3.09

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 4,7 because error mean square = 0.