

**Crop safety and residual weed control with A23372A in Roundup Ready 2 Xtend soybean**

Trial ID: SOY11-20 Study Dir.: Sprague, Stiles, Powell  
 Conducted: Campus, T-12 Investigator: Christy Sprague

**Planting Date:** May-23-2020 **Row Spacing:** 30 IN  
**Variety:** AG26X8 **No. of Reps:** 4  
**Population:** 156000 seeds/A **% OM:** 3.7  
**Soil Type:** CL clay loam **pH:** 6.3  
**Plot Size:** 10 X 35 FT **Study Design:** Randomized Complete Block (RCB)

**Tillage/Previous Crops:** Fall chisel plow, fall soil finish; spring soil finish (2X)

**Fertilizer:**

**Crop and Weed Description**

Weed	Code	Common Name	Scientific Name
1	ANGR	mainly foxtail species	Annual grass
2	CHEAL	common lambsquarters	Chenopodium album
3	AMAPO	Powell amaranth	Amaranthus powellii
4	AMBEL	common ragweed	Ambrosia artemisiifolia
5	ABUTH	velvetleaf	Abutilon theophrasti
6	SINAR	wild mustard	Sinapis arvensis
Crop	Code	Common Name	
1	GLXMA	Soybean	

**Application Description**

	A	B
<b>Application Timing:</b>	PRE	POST
<b>Date Treated:</b>	May-23-2020	Jun-22-2020
<b>Time Treated:</b>	4:20 PM	11:30 AM
<b>% Cloud Cover:</b>	60	1
<b>Air Temp., Unit:</b>	76 F	77 F
<b>% Relative Humidity:</b>	73	61
<b>Wind Speed/Unit/Dir:</b>	8.5 mph SE	8 mph SW
<b>Soil Temp, Unit:</b>	66 F	90 F
<b>Leaf Moist/Dew Presence (Y/N):</b>	5	5
<b>Soil Moist:</b>	5	4

**Crop Stage at Each Application**

	A	B
<b>Crop 1 Name:</b>	GLXMA	GLXMA
<b>Height:</b>		8 "
<b>Stage:</b>		V4

**Weed Stage at Each Application**

	A	B
<b>Weed 1 Name:</b>	ANGR	ANGR
<b>Height:</b>		10-12 " (11)
<b>Stage:</b>		5-6L
<b>Weed 2 Name:</b>	CHEAL	CHEAL
<b>Height:</b>		2-3 " (2.5)
<b>Stage:</b>		8L
<b>Weed 3 Name:</b>	AMAPO	AMAPO
<b>Height:</b>		1-3 " (2)
<b>Stage:</b>		6-10L
<b>Weed 4 Name:</b>	AMBEL	AMBEL
<b>Height:</b>		3-7 " (5)
<b>Stage:</b>		8-12L
<b>Weed 5 Name:</b>	ABUTH	ABUTH
<b>Height:</b>		4 "
<b>Stage:</b>		4L
<b>Weed 6 Name:</b>	SINAR	SINAR
<b>Height:</b>		5 "
<b>Stage:</b>		8L

**Weed Density**

	1	2	3	4	5	6
<b>Date:</b>	Jun-22-2020	Jun-22-2020	Jun-22-2020	Jun-22-2020	Jun-22-2020	Jun-22-2020
<b>Weed Name:</b>	ANGR	CHEAL	AMAPO	AMBEL	ABUTH	SINAR
<b>Density:</b>	23 FT2	2 FT2	1 FT2	5 FT2	1 FT2	1 FT2

**Application Equipment**

**Crop safety and residual weed control with A23372A in Roundup Ready 2 Xtend soybean**

Trial ID: SOY11-20

Study Dir.: Sprague, Stiles, Powell

Conducted: Campus, T-12

Investigator: Christy Sprague

<b>Appl</b>	<b>Sprayer Type</b>	<b>Ground Speed</b>	<b>Nozzle Type</b>	<b>Nozzle Size</b>	<b>Nozzle Height</b>	<b>Nozzle Spacing</b>	<b>Boom Width</b>	<b>Spray Volume</b>	<b>Carrier</b>	<b>Operation Pressure</b>
<b>A</b>	CUB	3.8 mph	AIXR	11003	22 "	20 "	100 "	19 GPA	WATER	30 psi
<b>B</b>	CUB	3.8 mph	TTI	11003	27 "	20 "	100 "	19 GPA	WATER	27 psi

**Comments:** The common ragweed (AMBEL) population in this trial is resistant to the Group 2 (ALS-inhibiting) herbicides.

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Trial ID: SOY11-20

Location: Campus, T-12

Trial Year: 2020

Protocol ID: SOY11-20

Investigator (Creator): Christy Sprague

Project ID:

Study Director: Sprague, Stiles, Powell

Sponsor Contact:

Pest Code		ANGR	CHEAL	AMAPO	AMBEL	ABUTH
Crop Type, Code	C GLXMA					
Rating Date	Jun-15-2020	Jun-15-2020	Jun-15-2020	Jun-15-2020	Jun-15-2020	Jun-15-2020
Rating Type	injury	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	23 DA-A	23 DA-A	23 DA-A	23 DA-A	23 DA-A	23 DA-A
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code						
1	Untreated							0	0	0	0	0	0
2	A23372	4.13 L		3 pt/a		PRE	A	6	87	96	100	91	98
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
3	A23372	4.13 L		3.5 pt/a		PRE	A	0	86	96	100	94	99
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
4	A23372	4.13 L		4.2 pt/a		PRE	A	1	91	99	100	94	99
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
5	Boundary	6.5 L		1.8 pt/a		PRE	A	3	85	93	100	74	65
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
6	BroadAxe XC	7 L		25 fl oz/a		PRE	A	1	87	100	100	61	65
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
7	Sonic	70 WG		6.45 oz/a		PRE	A	0	74	95	98	82	100
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
8	Fierce XLT	62.4 WG		4.5 oz/a		PRE	A	19	82	93	100	87	96
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
9	Zidua PRO	4.09 L		6 fl oz/a		PRE	A	5	75	94	100	74	75
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
	LSD P=.05							5.9	6.7	9.1	2.4	10.4	8.1
	Standard Deviation							4.0	4.6	6.3	1.7	7.1	5.6
	CV							103.18	6.16	7.36	1.88	9.8	7.18

Crop safety and residual weed control with A23372A in Roundup Ready 2 Xtend soybean  
 Trial ID: SOY11-20 Location: Campus, T-12 Trial Year: 2020  
 Protocol ID: SOY11-20 Investigator (Creator): Christy Sprague  
 Project ID: Study Director: Sprague, Stiles, Powell  
 Sponsor Contact:

Pest Code		ANGR	CHEAL	AMAPO	AMBEL	ABUTH
Crop Type, Code	C GLXMA					
Rating Date	Jun-22-2020	Jun-22-2020	Jun-22-2020	Jun-22-2020	Jun-22-2020	Jun-22-2020
Rating Type	injury	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	30 DA-A	30 DA-A	30 DA-A	30 DA-A	30 DA-A	30 DA-A
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code						
1	Untreated							0	0	0	0	0	
2	A23372	4.13 L		3 pt/a		PRE	A	2	82	95	100	79	96
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
3	A23372	4.13 L		3.5 pt/a		PRE	A	3	83	91	99	85	94
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
4	A23372	4.13 L		4.2 pt/a		PRE	A	4	86	96	100	89	94
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
5	Boundary	6.5 L		1.8 pt/a		PRE	A	0	82	69	95	57	73
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
6	BroadAxe XC	7 L		25 fl oz/a		PRE	A	1	83	81	100	3	48
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
7	Sonic	70 WG		6.45 oz/a		PRE	A	4	70	95	100	80	100
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
8	Fierce XLT	62.4 WG		4.5 oz/a		PRE	A	16	76	86	100	83	95
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
9	Zidua PRO	4.09 L		6 fl oz/a		PRE	A	2	71	98	100	68	78
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
	LSD P=.05							3.6	8.2	10.7	2.4	9.7	8.9
	Standard Deviation							2.5	5.6	7.3	1.7	6.7	6.1
	CV							73.87	7.98	9.27	1.89	11.09	8.11

## Crop safety and residual weed control with A23372A in Roundup Ready 2 Xtend soybean

Trial ID: SOY11-20 Location: Campus, T-12 Trial Year: 2020  
 Protocol ID: SOY11-20 Investigator (Creator): Christy Sprague  
 Project ID: Study Director: Sprague, Stiles, Powell  
 Sponsor Contact:

Pest Code	SINAR	ANGR	CHEAL	AMAPO	AMBEL	ABUTH
Crop Type, Code	C GLXMA					
Rating Date	Jun-22-2020	Jul-6-2020	Jul-6-2020	Jul-6-2020	Jul-6-2020	Jul-6-2020
Rating Type	control	injury	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	30 DA-A	14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code							
1	Untreated							0	0	0	0	0	0	
2	A23372	4.13 L	L	3 pt/a	PRE	A		100	7	98	100	100	99	100
	Tavium	3.4 L	L	56.5 fl oz/a	POST	B								
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	POST	B								
	Class Act Ridion	L	L	1 % v/v	POST	B								
	Intact	L	L	0.5 % v/v	POST	B								
3	A23372	4.13 L	L	3.5 pt/a	PRE	A		100	6	98	100	100	100	100
	Tavium	3.4 L	L	56.5 fl oz/a	POST	B								
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	POST	B								
	Class Act Ridion	L	L	1 % v/v	POST	B								
	Intact	L	L	0.5 % v/v	POST	B								
4	A23372	4.13 L	L	4.2 pt/a	PRE	A		100	6	100	100	100	100	100
	Tavium	3.4 L	L	56.5 fl oz/a	POST	B								
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	POST	B								
	Class Act Ridion	L	L	1 % v/v	POST	B								
	Intact	L	L	0.5 % v/v	POST	B								
5	Boundary	6.5 L	L	1.8 pt/a	PRE	A		100	5	98	100	100	98	100
	Tavium	3.4 L	L	56.5 fl oz/a	POST	B								
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	POST	B								
	Class Act Ridion	L	L	1 % v/v	POST	B								
	Intact	L	L	0.5 % v/v	POST	B								
6	BroadAxe XC	7 L	L	25 fl oz/a	PRE	A		100	10	98	100	100	87	100
	Tavium	3.4 L	L	56.5 fl oz/a	POST	B								
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	POST	B								
	Class Act Ridion	L	L	1 % v/v	POST	B								
	Intact	L	L	0.5 % v/v	POST	B								
7	Sonic	70 WG	WG	6.45 oz/a	PRE	A		100	8	99	100	100	99	100
	Tavium	3.4 L	L	56.5 fl oz/a	POST	B								
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	POST	B								
	Class Act Ridion	L	L	1 % v/v	POST	B								
	Intact	L	L	0.5 % v/v	POST	B								
8	Fierce XLT	62.4 WG	WG	4.5 oz/a	PRE	A		100	11	100	100	100	100	100
	Tavium	3.4 L	L	56.5 fl oz/a	POST	B								
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	POST	B								
	Class Act Ridion	L	L	1 % v/v	POST	B								
	Intact	L	L	0.5 % v/v	POST	B								
9	Zidua PRO	4.09 L	L	6 fl oz/a	PRE	A		100	11	98	100	100	98	100
	Tavium	3.4 L	L	56.5 fl oz/a	POST	B								
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	POST	B								
	Class Act Ridion	L	L	1 % v/v	POST	B								
	Intact	L	L	0.5 % v/v	POST	B								
LSD P=.05									4.0	2.5			2.3	
Standard Deviation								0.0	2.8	1.7	0.0	0.0	1.6	0.0
CV								0.0	39.5	1.95	0.0	0.0	1.81	0.0

## Crop safety and residual weed control with A23372A in Roundup Ready 2 Xtend soybean

Trial ID: SOY11-20 Location: Campus, T-12 Trial Year: 2020  
 Protocol ID: SOY11-20 Investigator (Creator): Christy Sprague  
 Project ID: Study Director: Sprague, Stiles, Powell  
 Sponsor Contact:

Pest Code	SINAR	ANGR	CHEAL	AMAPO	AMBEL
Crop Type, Code	C GLXMA				
Rating Date	Jul-6-2020	Jul-20-2020	Jul-20-2020	Jul-20-2020	Jul-20-2020
Rating Type	control	injury	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	14 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 Timing	Appl Code	SINAR	ANGR	CHEAL	AMAPO	AMBEL
1	Untreated							0	0	0	0	0
2	A23372	4.13 L	L	3 pt/a	PRE	A		100	0	97	100	100
	Tavium	3.4 L	L	56.5 fl oz/a	POST	B						
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	POST	B						
	Class Act Ridion	L	L	1 % v/v	POST	B						
	Intact	L	L	0.5 % v/v	POST	B						
3	A23372	4.13 L	L	3.5 pt/a	PRE	A		100	0	100	100	100
	Tavium	3.4 L	L	56.5 fl oz/a	POST	B						
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	POST	B						
	Class Act Ridion	L	L	1 % v/v	POST	B						
	Intact	L	L	0.5 % v/v	POST	B						
4	A23372	4.13 L	L	4.2 pt/a	PRE	A		100	0	100	100	100
	Tavium	3.4 L	L	56.5 fl oz/a	POST	B						
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	POST	B						
	Class Act Ridion	L	L	1 % v/v	POST	B						
	Intact	L	L	0.5 % v/v	POST	B						
5	Boundary	6.5 L	L	1.8 pt/a	PRE	A		100	0	99	100	100
	Tavium	3.4 L	L	56.5 fl oz/a	POST	B						
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	POST	B						
	Class Act Ridion	L	L	1 % v/v	POST	B						
	Intact	L	L	0.5 % v/v	POST	B						
6	BroadAxe XC	7 L	L	25 fl oz/a	PRE	A		100	1	99	100	99
	Tavium	3.4 L	L	56.5 fl oz/a	POST	B						
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	POST	B						
	Class Act Ridion	L	L	1 % v/v	POST	B						
	Intact	L	L	0.5 % v/v	POST	B						
7	Sonic	70 WG	WG	6.45 oz/a	PRE	A		100	0	100	100	100
	Tavium	3.4 L	L	56.5 fl oz/a	POST	B						
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	POST	B						
	Class Act Ridion	L	L	1 % v/v	POST	B						
	Intact	L	L	0.5 % v/v	POST	B						
8	Fierce XLT	62.4 WG	WG	4.5 oz/a	PRE	A		100	1	99	100	100
	Tavium	3.4 L	L	56.5 fl oz/a	POST	B						
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	POST	B						
	Class Act Ridion	L	L	1 % v/v	POST	B						
	Intact	L	L	0.5 % v/v	POST	B						
9	Zidua PRO	4.09 L	L	6 fl oz/a	PRE	A		100	0	100	100	100
	Tavium	3.4 L	L	56.5 fl oz/a	POST	B						
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	POST	B						
	Class Act Ridion	L	L	1 % v/v	POST	B						
	Intact	L	L	0.5 % v/v	POST	B						
	LSD P=.05								1.8	2.3		1.2
	Standard Deviation							0.0	1.2	1.6	0.0	0.8
	CV							0.0	433.01	1.76	0.0	0.94

Crop safety and residual weed control with A23372A in Roundup Ready 2 Xtend soybean  
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 Protocol ID: SOY11-20 Investigator (Creator): Christy Sprague  
 Project ID: Study Director: Sprague, Stiles, Powell  
 Sponsor Contact:

Pest Code	ABUTH	ANGR	CHEAL	AMAPO	AMBEL	ABUTH
Crop Type, Code						
Rating Date	Jul-20-2020	Oct-13-2020	Oct-13-2020	Oct-13-2020	Oct-13-2020	Oct-13-2020
Rating Type	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	28 DA-B	113 DA-B	113 DA-B	113 DA-B	113 DA-B	113 DA-B
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code	ABUTH	ANGR	CHEAL	AMAPO	AMBEL	ABUTH
1	Untreated							0	0	0	0	0	0
2	A23372	4.13 L		3 pt/a		PRE	A	100	98	100	100	100	99
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
3	A23372	4.13 L		3.5 pt/a		PRE	A	100	100	100	100	100	100
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
4	A23372	4.13 L		4.2 pt/a		PRE	A	100	99	100	100	100	100
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
5	Boundary	6.5 L		1.8 pt/a		PRE	A	100	99	100	100	100	100
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
6	BroadAxe XC	7 L		25 fl oz/a		PRE	A	100	100	100	100	100	98
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
7	Sonic	70 WG		6.45 oz/a		PRE	A	100	99	100	100	100	100
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
8	Fierce XLT	62.4 WG		4.5 oz/a		PRE	A	100	100	100	100	100	98
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
9	Zidua PRO	4.09 L		6 fl oz/a		PRE	A	100	99	100	100	100	100
	Tavium	3.4 L		56.5 fl oz/a		POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B						
	Class Act Ridion	L		1 % v/v		POST	B						
	Intact	L		0.5 % v/v		POST	B						
	LSD P=.05								2.4				3.2
	Standard Deviation							0.0	1.6	0.0	0.0	0.0	2.2
	CV							0.0	1.85	0.0	0.0	0.0	2.5

Crop safety and residual weed control with A23372A in Roundup Ready 2 Xtend soybean  
 Trial ID: SOY11-20 Location: Campus, T-12 Trial Year: 2020  
 Protocol ID: SOY11-20 Investigator (Creator): Christy Sprague  
 Project ID: Study Director: Sprague, Stiles, Powell  
 Sponsor Contact:

Pest Code			
Crop Type, Code	C	GLXMA	C GLXMA
Rating Date	Oct-13-2020		Oct-13-2020
Rating Type		moisture	yield
Rating Unit		percent	bu/A
Trt-Eval Interval	113 DA-B		at 13% M
Number of Decimals		1	1

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code		
1	Untreated							25.4	14.1
2	A23372	4.13 L		3 pt/a		PRE	A	13.0	72.7
	Tavium	3.4 L		56.5 fl oz/a		POST	B		
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B		
	Class Act Ridion	L		1 % v/v		POST	B		
	Intact	L		0.5 % v/v		POST	B		
3	A23372	4.13 L		3.5 pt/a		PRE	A	12.7	76.1
	Tavium	3.4 L		56.5 fl oz/a		POST	B		
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B		
	Class Act Ridion	L		1 % v/v		POST	B		
	Intact	L		0.5 % v/v		POST	B		
4	A23372	4.13 L		4.2 pt/a		PRE	A	12.7	72.4
	Tavium	3.4 L		56.5 fl oz/a		POST	B		
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B		
	Class Act Ridion	L		1 % v/v		POST	B		
	Intact	L		0.5 % v/v		POST	B		
5	Boundary	6.5 L		1.8 pt/a		PRE	A	12.7	77.5
	Tavium	3.4 L		56.5 fl oz/a		POST	B		
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B		
	Class Act Ridion	L		1 % v/v		POST	B		
	Intact	L		0.5 % v/v		POST	B		
6	BroadAxe XC	7 L		25 fl oz/a		PRE	A	12.8	73.7
	Tavium	3.4 L		56.5 fl oz/a		POST	B		
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B		
	Class Act Ridion	L		1 % v/v		POST	B		
	Intact	L		0.5 % v/v		POST	B		
7	Sonic	70 WG		6.45 oz/a		PRE	A	12.8	73.8
	Tavium	3.4 L		56.5 fl oz/a		POST	B		
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B		
	Class Act Ridion	L		1 % v/v		POST	B		
	Intact	L		0.5 % v/v		POST	B		
8	Fierce XLT	62.4 WG		4.5 oz/a		PRE	A	13.4	73.0
	Tavium	3.4 L		56.5 fl oz/a		POST	B		
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B		
	Class Act Ridion	L		1 % v/v		POST	B		
	Intact	L		0.5 % v/v		POST	B		
9	Zidua PRO	4.09 L		6 fl oz/a		PRE	A	12.6	74.8
	Tavium	3.4 L		56.5 fl oz/a		POST	B		
	Roundup PowerMax	4.5 SL		32 fl oz/a		POST	B		
	Class Act Ridion	L		1 % v/v		POST	B		
	Intact	L		0.5 % v/v		POST	B		
	LSD P=.05							1.52	6.45
	Standard Deviation							1.04	4.42
	CV							7.3	6.54