

Weed control with glyphosate and glufosinate tank-mixtures

Trial ID: SOY16-20 Study Dir.: Sprague, Powell, Stiles
 Conducted: Campus, T-15 Investigator: Christy Sprague

Planting Date: Jun-2-2020 **Row Spacing:** 30 IN
Variety: P25T09E **No. of Reps:** 4
Population: 156000 seeds/A **% OM:** 2.3
Soil Type: L loam **pH:** 6.9
Plot Size: 10 X 30 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	POROL	common purslane	Portulaca oleracea
Crop	Code	Common Name	
1	GLXMA	Soybean	

Application Description

	A	B
Application Timing:	POST	"B"+3d
Date Treated:	Jun-25-2020	Jun-29-2020
Time Treated:	3:30 PM	3:00 PM
% Cloud Cover:	45	10
Air Temp., Unit:	74 F	84 F
% Relative Humidity:	40	1
Wind Speed/Unit/Dir:	9 mph W	5 mph SE
Soil Temp, Unit:	66 F	61 F
Leaf Moist/Dew Presence (Y/N):	5	5
Soil Moist:	5	5

Crop Stage at Each Application

	A	B
Crop 1 Name:	GLXMA	GLXMA
Height:	6 "	10 "
Stage:	V2	V3

Weed Stage at Each Application

	A	B
Weed 1 Name:	ANGR	ANGR
Height:	2-6 " (4)	
Stage:	4L	
Weed 2 Name:	CHEAL	CHEAL
Height:	2-6 " (4)	2-4 " (3)
Stage:	6-10L	6-8L
Weed 3 Name:	AMAPO	AMAPO
Height:	2-5 " (3.5)	
Stage:	4-6L	
Weed 4 Name:	AMBEL	AMBEL
Height:		
Stage:		
Weed 5 Name:	ABUTH	ABUTH
Height:	3-6 " (4.5)	4-8 " (6)
Stage:	5L	5-6L
Weed 6 Name:	POROL	POROL
Height:		
Stage:		mat

Weed Density

	1	2	3	4	5	6
Date:	Jun-29-2020	Jun-29-2020	Jun-29-2020	Jun-29-2020	Jun-29-2020	Jun-29-2020
Weed Name:	ANGR	CHEAL	AMAPO	AMBEL	ABUTH	POROL
Density:	3 FT2	3 FT2	1 FT2	1 FT2	2 FT2	2 FT2

Application Equipment

Weed control with glyphosate and glufosinate tank-mixtures

Trial ID: SOY16-20

Study Dir.: Sprague, Powell, Stiles

Conducted: Campus, T-15

Investigator: Christy Sprague

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	AIXR	11003	26 "	20 "	100 "	19 GPA	WATER	30 psi
B	CUB	3.8 mph	AIXR	11003	32 "	20 "	100 "	19 GPA	WATER	30 psi

Comments:

Weed control with glyphosate and glufosinate tank-mixtures

Trial ID: SOY16-20 Location: Campus, T-15 Trial Year: 2020
 Protocol ID: SOY16-20 Investigator (Creator): Christy Sprague
 Project ID: Study Director: Sprague, Powell, Stiles
 Sponsor Contact:

Pest Code		ANGR	CHEAL	AMBEL	ABUTH	POROL		
Crop Type, Code	C GLXMA						C GLXMA	
Rating Date	Jul-2-2020	Jul-2-2020	Jul-2-2020	Jul-2-2020	Jul-2-2020	Jul-2-2020	Jul-9-2020	
Rating Type	injury	control	control	control	control	control	injury	
Rating Unit	percent	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	14 DA-A	
Number of Decimals	0	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	Liberty	2.34	L	32 fl oz/a	POST	A	4	94	99	100	98	100
	AMS		WG	17 lb/100 gal	POST	A						
3	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	A	0	99	95	100	100	79
	AMS		WG	17 lb/100 gal	POST	A						
4	Liberty	2.34	L	32 fl oz/a	POST	A	3	93	96	100	96	100
	Roundup PowerMax	4.5	SL	11 fl oz/a	POST	A						
	AMS		WG	17 lb/100 gal	POST	A						
5	Liberty	2.34	L	32 fl oz/a	POST	A	3	99	100	100	99	100
	Roundup PowerMax	4.5	SL	22 fl oz/a	POST	A						
	AMS		WG	17 lb/100 gal	POST	A						
6	Liberty	2.34	L	32 fl oz/a	POST	A	4	99	100	100	99	100
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	A						
	AMS		WG	17 lb/100 gal	POST	A						
7	SelectMax	0.97	EC	9 fl oz/a	POST	A	0	99	0	0	0	0
	Surfactant		L	0.25 % v/v	POST	A						
	AMS		WG	17 lb/100 gal	POST	A						
8	Liberty	2.34	L	32 fl oz/a	POST	A	3	99	100	100	98	100
	SelectMax	0.97	EC	9 fl oz/a	POST	A						
	AMS		WG	17 lb/100 gal	POST	A						
9	Liberty	2.34	L	32 fl oz/a	POST	A	4	93	100	100	99	100
	SelectMax	0.97	EC	12 fl oz/a	POST	A						
	AMS		WG	17 lb/100 gal	POST	A						
10	Intensity (clethodim)	2	L	6 fl oz/a	POST	A	0	100	0	0	0	0
	Superb HC		L	0.5 % v/v	POST	A						
	AMS		WG	17 lb/100 gal	POST	A						
11	Liberty	2.34	L	32 fl oz/a	POST	A	4	94	98	99	96	100
	Intensity (clethodim)	2	L	6 fl oz/a	POST	A						
	Superb HC		L	0.5 % v/v	POST	A						
	AMS		WG	17 lb/100 gal	POST	A						
12	Roundup PowerMax	4.5	SL	11 fl oz/a	POST	A	2	95	76	100	50	28
	AMS		WG	17 lb/100 gal	POST	A						
	Liberty	2.34	L	32 fl oz/a	+3 d	B						
	AMS		WG	17 lb/100 gal	+3 d	B						
13	Roundup PowerMax	4.5	SL	22 fl oz/a	POST	A	1	100	99	100	100	69
	AMS		WG	17 lb/100 gal	POST	A						
	Liberty	2.34	L	32 fl oz/a	+3 d	B						
	AMS		WG	17 lb/100 gal	+3 d	B						
14	SelectMax	0.97	EC	9 fl oz/a	POST	A	3	100	76	100	33	28
	Surfactant		L	0.25 % v/v	POST	A						
	AMS		WG	17 lb/100 gal	POST	A						
	Liberty	2.34	L	32 fl oz/a	+3 d	B						
	AMS		WG	17 lb/100 gal	+3 d	B						
15	Liberty	2.34	L	32 fl oz/a	POST	A	5	95	96	99	95	100
	AMS		WG	17 lb/100 gal	POST	A						
	Roundup PowerMax	4.5	SL	11 fl oz/a	+3 d	B						
	AMS		WG	17 lb/100 gal	+3 d	B						
16	Liberty	2.34	L	32 fl oz/a	POST	A	4	95	100	100	99	100
	AMS		WG	17 lb/100 gal	POST	A						
	Roundup PowerMax	4.5	SL	22 fl oz/a	+3 d	B						
	AMS		WG	17 lb/100 gal	+3 d	B						

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Weed control with glyphosate and glufosinate tank-mixtures

Trial ID: SOY16-20

Location: Campus, T-15

Trial Year: 2020

Protocol ID: SOY16-20

Investigator (Creator): Christy Sprague

Project ID:

Study Director: Sprague, Powell, Stiles

Sponsor Contact:

Pest Code						ANGR	CHEAL	AMBEL	ABUTH	POROL				
Crop Type, Code	C	GLXMA									C	GLXMA		
Rating Date	Jul-2-2020	Jul-2-2020	Jul-2-2020	Jul-2-2020	Jul-2-2020	Jul-2-2020	Jul-2-2020	Jul-2-2020	Jul-2-2020	Jul-2-2020	Jul-2-2020	Jul-9-2020		
Rating Type	injury	control	control	control	control	control	control	control	control	control	control	injury		
Rating Unit	percent	percent	percent	percent	percent	percent	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	7 DA-A	7 DA-A	7 DA-A	7 DA-A	7 DA-A	14 DA-A		
Number of Decimals	0	0	0	0	0	0	0	0	0	0	0	0		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Appl Timing	Appl Code							
17	Liberty	2.34	L	32	fl oz/a	POST	A	3	94	100	100	98	100	0
	AMS		WG	17	lb/100 gal	POST	A							
	SelectMax	0.97	EC	9	fl oz/a	+3 d	B							
	Surfactant		L	0.25	% v/v	+3 d	B							
	AMS		WG	17	lb/100 gal	+3 d	B							
LSD P=.05								2.0	6.8	4.1	1.2	4.7	8.8	.
Standard Deviation								1.4	4.8	2.9	0.8	3.3	6.2	0.0
CV								60.62	5.26	3.67	1.01	4.46	8.73	0.0

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Trial ID: SOY16-20 Location: Campus, T-15 Trial Year: 2020
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 Project ID: Study Director: Sprague, Powell, Stiles
 Sponsor Contact:

Pest Code	ANGR	CHEAL	AMAPO	AMBEL	ABUTH	POROL	ANGR
Crop Type, Code							
Rating Date	Jul-9-2020	Jul-9-2020	Jul-9-2020	Jul-9-2020	Jul-9-2020	Jul-9-2020	Jul-9-2020
Rating Type	control	control	control	control	control	control	count
Rating Unit	percent	percent	percent	percent	percent	percent	#/0.25m2
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A
Number of Decimals	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Appl Timing	Appl Code	ANGR	CHEAL	AMAPO	AMBEL	ABUTH	POROL	ANGR
1	Untreated						0	0	0	0	0	0	1
2	Liberty	2.34	L	32 fl oz/a	POST	A	96	99	96	100	98	98	0
	AMS		WG	17 lb/100 gal	POST	A							
3	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	A	100	98	100	99	100	100	0
	AMS		WG	17 lb/100 gal	POST	A							
4	Liberty	2.34	L	32 fl oz/a	POST	A	100	100	100	100	100	100	0
	Roundup PowerMax	4.5	SL	11 fl oz/a	POST	A							
	AMS		WG	17 lb/100 gal	POST	A							
5	Liberty	2.34	L	32 fl oz/a	POST	A	98	99	100	100	100	100	0
	Roundup PowerMax	4.5	SL	22 fl oz/a	POST	A							
	AMS		WG	17 lb/100 gal	POST	A							
6	Liberty	2.34	L	32 fl oz/a	POST	A	100	100	100	100	100	100	0
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	A							
	AMS		WG	17 lb/100 gal	POST	A							
7	SelectMax	0.97	EC	9 fl oz/a	POST	A	88	0	0	0	0	0	2
	Surfactant		L	0.25 % v/v	POST	A							
	AMS		WG	17 lb/100 gal	POST	A							
8	Liberty	2.34	L	32 fl oz/a	POST	A	100	100	100	100	100	100	0
	SelectMax	0.97	EC	9 fl oz/a	POST	A							
	AMS		WG	17 lb/100 gal	POST	A							
9	Liberty	2.34	L	32 fl oz/a	POST	A	100	100	100	100	100	100	0
	SelectMax	0.97	EC	12 fl oz/a	POST	A							
	AMS		WG	17 lb/100 gal	POST	A							
10	Intensity (clethodim)	2	L	6 fl oz/a	POST	A	90	0	0	0	0	0	0
	Superb HC		L	0.5 % v/v	POST	A							
	AMS		WG	17 lb/100 gal	POST	A							
11	Liberty	2.34	L	32 fl oz/a	POST	A	100	100	100	100	100	100	0
	Intensity (clethodim)	2	L	6 fl oz/a	POST	A							
	Superb HC		L	0.5 % v/v	POST	A							
	AMS		WG	17 lb/100 gal	POST	A							
12	Roundup PowerMax	4.5	SL	11 fl oz/a	POST	A	100	100	100	100	100	96	0
	AMS		WG	17 lb/100 gal	POST	A							
	Liberty	2.34	L	32 fl oz/a	+3 d	B							
	AMS		WG	17 lb/100 gal	+3 d	B							
13	Roundup PowerMax	4.5	SL	22 fl oz/a	POST	A	100	100	100	100	100	100	0
	AMS		WG	17 lb/100 gal	POST	A							
	Liberty	2.34	L	32 fl oz/a	+3 d	B							
	AMS		WG	17 lb/100 gal	+3 d	B							
14	SelectMax	0.97	EC	9 fl oz/a	POST	A	100	100	100	100	95	99	0
	Surfactant		L	0.25 % v/v	POST	A							
	AMS		WG	17 lb/100 gal	POST	A							
	Liberty	2.34	L	32 fl oz/a	+3 d	B							
	AMS		WG	17 lb/100 gal	+3 d	B							
15	Liberty	2.34	L	32 fl oz/a	POST	A	100	100	100	100	100	100	0
	AMS		WG	17 lb/100 gal	POST	A							
	Roundup PowerMax	4.5	SL	11 fl oz/a	+3 d	B							
	AMS		WG	17 lb/100 gal	+3 d	B							
16	Liberty	2.34	L	32 fl oz/a	POST	A	100	100	100	100	100	100	0
	AMS		WG	17 lb/100 gal	POST	A							
	Roundup PowerMax	4.5	SL	22 fl oz/a	+3 d	B							
	AMS		WG	17 lb/100 gal	+3 d	B							

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Weed control with glyphosate and glufosinate tank-mixtures

Trial ID: SOY16-20

Location: Campus, T-15

Trial Year: 2020

Protocol ID: SOY16-20

Investigator (Creator): Christy Sprague

Project ID:

Study Director: Sprague, Powell, Stiles

Sponsor Contact:

Pest Code	ANGR	CHEAL	AMAPO	AMBEL	ABUTH	POROL	ANGR
Crop Type, Code							
Rating Date	Jul-9-2020	Jul-9-2020	Jul-9-2020	Jul-9-2020	Jul-9-2020	Jul-9-2020	Jul-9-2020
Rating Type	control	control	control	control	control	control	count
Rating Unit	percent	percent	percent	percent	percent	percent	#/0.25m2
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A
Number of Decimals	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code							
17	Liberty	2.34	L	32	fl oz/a	POST	A	100	100	100	100	100	0	
	AMS		WG	17	lb/100 gal	POST	A							
	SelectMax	0.97	EC	9	fl oz/a	+3 d	B							
	Surfactant		L	0.25	% v/v	+3 d	B							
	AMS		WG	17	lb/100 gal	+3 d	B							
	LSD P=.05							3.7	2.0	1.7	0.9	2.7	2.5	1.0
	Standard Deviation							2.6	1.4	1.2	0.6	1.9	1.7	0.7
	CV							2.8	1.72	1.41	0.74	2.3	2.13	384.19

Weed control with glyphosate and glufosinate tank-mixtures

Trial Year: 2020

Trial ID: SOY16-20

Location: Campus, T-15

Protocol ID: SOY16-20

Investigator (Creator): Christy Sprague

Project ID:

Study Director: Sprague, Powell, Stiles

Sponsor Contact:

Pest Code	CHEAL	AMAPO	AMBEL	ABUTH	POROL	WEED
Crop Type, Code						
Rating Date	Jul-9-2020	Jul-9-2020	Jul-9-2020	Jul-9-2020	Jul-9-2020	Jul-9-2020
Rating Type	count	count	count	count	count	dry biomass
Rating Unit	#/0.25m2	#/0.25m2	#/0.25m2	#/0.25m2	#/0.25m2	g/0.25m2
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A
Number of Decimals	0	0	0	0	0	1

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Appl Timing	Appl Code						
1	Untreated						4	0	0	1	2	18.7
2	Liberty	2.34	L	32 fl oz/a	POST	A	1	0	0	0	1	1.0
	AMS		WG	17 lb/100 gal	POST	A						
3	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	A	0	0	0	0	0	0.0
	AMS		WG	17 lb/100 gal	POST	A						
4	Liberty	2.34	L	32 fl oz/a	POST	A	0	0	0	0	0	0.0
	Roundup PowerMax	4.5	SL	11 fl oz/a	POST	A						
	AMS		WG	17 lb/100 gal	POST	A						
5	Liberty	2.34	L	32 fl oz/a	POST	A	0	0	0	0	0	0.0
	Roundup PowerMax	4.5	SL	22 fl oz/a	POST	A						
	AMS		WG	17 lb/100 gal	POST	A						
6	Liberty	2.34	L	32 fl oz/a	POST	A	0	0	0	0	0	0.0
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	A						
	AMS		WG	17 lb/100 gal	POST	A						
7	SelectMax	0.97	EC	9 fl oz/a	POST	A	2	0	0	1	2	18.8
	Surfactant		L	0.25 % v/v	POST	A						
	AMS		WG	17 lb/100 gal	POST	A						
8	Liberty	2.34	L	32 fl oz/a	POST	A	0	0	0	0	3	0.0
	SelectMax	0.97	EC	9 fl oz/a	POST	A						
	AMS		WG	17 lb/100 gal	POST	A						
9	Liberty	2.34	L	32 fl oz/a	POST	A	0	0	0	0	0	0.0
	SelectMax	0.97	EC	12 fl oz/a	POST	A						
	AMS		WG	17 lb/100 gal	POST	A						
10	Intensity (clethodim)	2	L	6 fl oz/a	POST	A	2	0	0	1	4	22.4
	Superb HC		L	0.5 % v/v	POST	A						
	AMS		WG	17 lb/100 gal	POST	A						
11	Liberty	2.34	L	32 fl oz/a	POST	A	0	0	0	0	0	0.0
	Intensity (clethodim)	2	L	6 fl oz/a	POST	A						
	Superb HC		L	0.5 % v/v	POST	A						
	AMS		WG	17 lb/100 gal	POST	A						
12	Roundup PowerMax	4.5	SL	11 fl oz/a	POST	A	0	0	0	0	1	2.0
	AMS		WG	17 lb/100 gal	POST	A						
	Liberty	2.34	L	32 fl oz/a	+3 d	B						
	AMS		WG	17 lb/100 gal	+3 d	B						
13	Roundup PowerMax	4.5	SL	22 fl oz/a	POST	A	0	0	0	0	0	0.0
	AMS		WG	17 lb/100 gal	POST	A						
	Liberty	2.34	L	32 fl oz/a	+3 d	B						
	AMS		WG	17 lb/100 gal	+3 d	B						
14	SelectMax	0.97	EC	9 fl oz/a	POST	A	0	0	0	0	0	3.1
	Surfactant		L	0.25 % v/v	POST	A						
	AMS		WG	17 lb/100 gal	POST	A						
	Liberty	2.34	L	32 fl oz/a	+3 d	B						
	AMS		WG	17 lb/100 gal	+3 d	B						
15	Liberty	2.34	L	32 fl oz/a	POST	A	0	0	0	0	0	0.0
	AMS		WG	17 lb/100 gal	POST	A						
	Roundup PowerMax	4.5	SL	11 fl oz/a	+3 d	B						
	AMS		WG	17 lb/100 gal	+3 d	B						
16	Liberty	2.34	L	32 fl oz/a	POST	A	0	0	0	0	0	0.0
	AMS		WG	17 lb/100 gal	POST	A						
	Roundup PowerMax	4.5	SL	22 fl oz/a	+3 d	B						
	AMS		WG	17 lb/100 gal	+3 d	B						

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 Protocol ID: SOY16-20 Investigator (Creator): Christy Sprague
 Project ID: Study Director: Sprague, Powell, Stiles
 Sponsor Contact:

Pest Code	CHEAL	AMAPO	AMBEL	ABUTH	POROL	WEED
Crop Type, Code						
Rating Date	Jul-9-2020	Jul-9-2020	Jul-9-2020	Jul-9-2020	Jul-9-2020	Jul-9-2020
Rating Type	count	count	count	count	count	dry biomass
Rating Unit	#/0.25m2	#/0.25m2	#/0.25m2	#/0.25m2	#/0.25m2	g/0.25m2
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A
Number of Decimals	0	0	0	0	0	1

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Appl Timing	Appl Code						
17	Liberty	2.34	L	32	fl oz/a	POST	A	0	0	0	0	0	0.0
	AMS		WG	17	lb/100 gal	POST	A						
	SelectMax	0.97	EC	9	fl oz/a	+3 d	B						
	Surfactant		L	0.25	% v/v	+3 d	B						
	AMS		WG	17	lb/100 gal	+3 d	B						
	LSD P=.05							1.7	0.1	.	0.5	2.1	8.35
	Standard Deviation							1.2	0.1	0.0	0.4	1.5	5.87
	CV							224.34	589.14	0.0	201.74	216.89	151.08

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Project ID:

Study Director: Sprague, Powell, Stiles

Sponsor Contact:

Pest Code		ANGR	CHEAL	AMAPO	AMBEL	ABUTH
Crop Type, Code	C GLXMA					
Rating Date	Jul-23-2020	Jul-23-2020	Jul-23-2020	Jul-23-2020	Jul-23-2020	Jul-23-2020
Rating Type	injury	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 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	Liberty	2.34	L	32 fl oz/a		POST	A	0	94	88	98	98	98
	AMS		WG	17 lb/100 gal		POST	A						
3	Roundup PowerMax	4.5	SL	32 fl oz/a		POST	A	0	100	99	100	100	100
	AMS		WG	17 lb/100 gal		POST	A						
4	Liberty	2.34	L	32 fl oz/a		POST	A	0	100	99	100	100	100
	Roundup PowerMax	4.5	SL	11 fl oz/a		POST	A						
	AMS		WG	17 lb/100 gal		POST	A						
5	Liberty	2.34	L	32 fl oz/a		POST	A	0	98	96	99	99	97
	Roundup PowerMax	4.5	SL	22 fl oz/a		POST	A						
	AMS		WG	17 lb/100 gal		POST	A						
6	Liberty	2.34	L	32 fl oz/a		POST	A	0	99	99	100	100	100
	Roundup PowerMax	4.5	SL	32 fl oz/a		POST	A						
	AMS		WG	17 lb/100 gal		POST	A						
7	SelectMax	0.97	EC	9 fl oz/a		POST	A	0	94	0	0	0	0
	Surfactant		L	0.25 % v/v		POST	A						
	AMS		WG	17 lb/100 gal		POST	A						
8	Liberty	2.34	L	32 fl oz/a		POST	A	0	100	95	96	96	96
	SelectMax	0.97	EC	9 fl oz/a		POST	A						
	AMS		WG	17 lb/100 gal		POST	A						
9	Liberty	2.34	L	32 fl oz/a		POST	A	0	100	100	100	100	100
	SelectMax	0.97	EC	12 fl oz/a		POST	A						
	AMS		WG	17 lb/100 gal		POST	A						
10	Intensity (clethodim)	2	L	6 fl oz/a		POST	A	0	94	0	0	0	0
	Superb HC		L	0.5 % v/v		POST	A						
	AMS		WG	17 lb/100 gal		POST	A						
11	Liberty	2.34	L	32 fl oz/a		POST	A	0	99	97	100	100	100
	Intensity (clethodim)	2	L	6 fl oz/a		POST	A						
	Superb HC		L	0.5 % v/v		POST	A						
	AMS		WG	17 lb/100 gal		POST	A						
12	Roundup PowerMax	4.5	SL	11 fl oz/a		POST	A	0	100	100	100	100	100
	AMS		WG	17 lb/100 gal		POST	A						
	Liberty	2.34	L	32 fl oz/a		+3 d	B						
	AMS		WG	17 lb/100 gal		+3 d	B						
13	Roundup PowerMax	4.5	SL	22 fl oz/a		POST	A	0	100	100	100	100	100
	AMS		WG	17 lb/100 gal		POST	A						
	Liberty	2.34	L	32 fl oz/a		+3 d	B						
	AMS		WG	17 lb/100 gal		+3 d	B						
14	SelectMax	0.97	EC	9 fl oz/a		POST	A	0	100	100	100	100	100
	Surfactant		L	0.25 % v/v		POST	A						
	AMS		WG	17 lb/100 gal		POST	A						
	Liberty	2.34	L	32 fl oz/a		+3 d	B						
	AMS		WG	17 lb/100 gal		+3 d	B						
15	Liberty	2.34	L	32 fl oz/a		POST	A	0	100	100	100	100	100
	AMS		WG	17 lb/100 gal		POST	A						
	Roundup PowerMax	4.5	SL	11 fl oz/a		+3 d	B						
	AMS		WG	17 lb/100 gal		+3 d	B						
16	Liberty	2.34	L	32 fl oz/a		POST	A	0	100	100	100	100	100
	AMS		WG	17 lb/100 gal		POST	A						
	Roundup PowerMax	4.5	SL	22 fl oz/a		+3 d	B						
	AMS		WG	17 lb/100 gal		+3 d	B						

Could not calculate LSD (% mean diff) for columns 7,17,21,28,29,30,31 because error mean square = 0.

Weed control with glyphosate and glufosinate tank-mixtures

Trial ID: SOY16-20

Location: Campus, T-15

Trial Year: 2020

Protocol ID: SOY16-20

Investigator (Creator): Christy Sprague

Project ID:

Study Director: Sprague, Powell, Stiles

Sponsor Contact:

Pest Code						ANGR	CHEAL	AMAPO	AMBEL	ABUTH			
Crop Type, Code	C	GLXMA											
Rating Date	Jul-23-2020	Jul-23-2020	Jul-23-2020	Jul-23-2020	Jul-23-2020	Jul-23-2020	Jul-23-2020	Jul-23-2020	Jul-23-2020	Jul-23-2020			
Rating Type	injury	control	control	control	control	control	control	control	control	control			
Rating Unit	percent	percent	percent	percent	percent	percent	percent	percent	percent	percent			
Trt-Eval Interval	28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A			
Number of Decimals	0	0	0	0	0	0	0	0	0	0			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Appl Timing	Appl Code						
17	Liberty	2.34	L	32	fl oz/a	POST	A	0	100	100	100	100	100
	AMS		WG	17	lb/100 gal	POST	A						
	SelectMax	0.97	EC	9	fl oz/a	+3 d	B						
	Surfactant		L	0.25	% v/v	+3 d	B						
	AMS		WG	17	lb/100 gal	+3 d	B						
LSD P=.05									4.1	5.9	3.2	3.2	3.4
Standard Deviation								0.0	2.9	4.1	2.3	2.3	2.4
CV								0.0	3.08	5.12	2.77	2.77	2.9

Weed control with glyphosate and glufosinate tank-mixtures

Trial Year: 2020

Trial ID: SOY16-20

Location: Campus, T-15

Protocol ID: SOY16-20

Investigator (Creator): Christy Sprague

Project ID:

Study Director: Sprague, Powell, Stiles

Sponsor Contact:

Pest Code	POROL
Crop Type, Code	
Rating Date	Jul-23-2020
Rating Type	control
Rating Unit	percent
Trt-Eval Interval	28 DA-A
Number of Decimals	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Appl Timing	Appl Code	
1	Untreated							0
2	Liberty	2.34	L	32	fl oz/a	POST	A	90
	AMS		WG	17	lb/100 gal	POST	A	
3	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A	93
	AMS		WG	17	lb/100 gal	POST	A	
4	Liberty	2.34	L	32	fl oz/a	POST	A	93
	Roundup PowerMax	4.5	SL	11	fl oz/a	POST	A	
	AMS		WG	17	lb/100 gal	POST	A	
5	Liberty	2.34	L	32	fl oz/a	POST	A	91
	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	A	
	AMS		WG	17	lb/100 gal	POST	A	
6	Liberty	2.34	L	32	fl oz/a	POST	A	90
	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	A	
	AMS		WG	17	lb/100 gal	POST	A	
7	SelectMax	0.97	EC	9	fl oz/a	POST	A	0
	Surfactant		L	0.25	% v/v	POST	A	
	AMS		WG	17	lb/100 gal	POST	A	
8	Liberty	2.34	L	32	fl oz/a	POST	A	88
	SelectMax	0.97	EC	9	fl oz/a	POST	A	
	AMS		WG	17	lb/100 gal	POST	A	
9	Liberty	2.34	L	32	fl oz/a	POST	A	96
	SelectMax	0.97	EC	12	fl oz/a	POST	A	
	AMS		WG	17	lb/100 gal	POST	A	
10	Intensity (clethodim)	2	L	6	fl oz/a	POST	A	0
	Superb HC		L	0.5	% v/v	POST	A	
	AMS		WG	17	lb/100 gal	POST	A	
11	Liberty	2.34	L	32	fl oz/a	POST	A	98
	Intensity (clethodim)	2	L	6	fl oz/a	POST	A	
	Superb HC		L	0.5	% v/v	POST	A	
	AMS		WG	17	lb/100 gal	POST	A	
12	Roundup PowerMax	4.5	SL	11	fl oz/a	POST	A	100
	AMS		WG	17	lb/100 gal	POST	A	
	Liberty	2.34	L	32	fl oz/a	+3 d	B	
	AMS		WG	17	lb/100 gal	+3 d	B	
13	Roundup PowerMax	4.5	SL	22	fl oz/a	POST	A	100
	AMS		WG	17	lb/100 gal	POST	A	
	Liberty	2.34	L	32	fl oz/a	+3 d	B	
	AMS		WG	17	lb/100 gal	+3 d	B	
14	SelectMax	0.97	EC	9	fl oz/a	POST	A	98
	Surfactant		L	0.25	% v/v	POST	A	
	AMS		WG	17	lb/100 gal	POST	A	
	Liberty	2.34	L	32	fl oz/a	+3 d	B	
	AMS		WG	17	lb/100 gal	+3 d	B	
15	Liberty	2.34	L	32	fl oz/a	POST	A	100
	AMS		WG	17	lb/100 gal	POST	A	
	Roundup PowerMax	4.5	SL	11	fl oz/a	+3 d	B	
	AMS		WG	17	lb/100 gal	+3 d	B	
16	Liberty	2.34	L	32	fl oz/a	POST	A	100
	AMS		WG	17	lb/100 gal	POST	A	
	Roundup PowerMax	4.5	SL	22	fl oz/a	+3 d	B	
	AMS		WG	17	lb/100 gal	+3 d	B	

