

**Weed control systems in LibertyLink GT27 soybean with Alite 27**

Trial ID: SOY15-20 Study Dir.: Sprague, Powell, Stiles  
 Conducted: Campus, T-11 Investigator: Christy Sprague

**Planting Date:** May-26-2020 **Row Spacing:** 30 IN  
**Variety:** CZ2360 **No. of Reps:** 4  
**Population:** 156000 seeds/A **% OM:** 2.7  
**Soil Type:** L loam **pH:** 7.5  
**Plot Size:** 10 X 35 FT **Study Design:** Randomized Complete Block (RCB)

**Tillage/Previous Crops:** Fall chisel plow; 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
7	SOLPT	Eastern black nightshade	Solanum ptychanthum
Crop	Code	Common Name	
1	GLXMA	Soybean	

**Application Description**

	A	B
<b>Application Timing:</b>	PRE	POST
<b>Date Treated:</b>	May-26-2020	Jul-7-2020
<b>Time Treated:</b>	1:45 PM	9:00 AM
<b>% Cloud Cover:</b>	40	0
<b>Air Temp., Unit:</b>	93 F	75 F
<b>% Relative Humidity:</b>	65	75
<b>Wind Speed/Unit/Dir:</b>	5 mph S	2 mph S
<b>Soil Temp, Unit:</b>	76 F	78 F
<b>Leaf Moist/Dew Presence (Y/N):</b>	4	5
<b>Soil Moist:</b>	5	5

**Crop Stage at Each Application**

	A	B
<b>Crop 1 Name:</b>	GLXMA	GLXMA
<b>Height:</b>		14 "
<b>Stage:</b>		R1

**Weed Stage at Each Application**

	A	B
<b>Weed 1 Name:</b>	ANGR	ANGR
<b>Height:</b>		5-10 " (7.5)
<b>Stage:</b>		
<b>Weed 2 Name:</b>	CHEAL	CHEAL
<b>Height:</b>		
<b>Stage:</b>		
<b>Weed 3 Name:</b>	AMAPO	AMAPO
<b>Height:</b>		
<b>Stage:</b>		
<b>Weed 4 Name:</b>	AMBEL	AMBEL
<b>Height:</b>		
<b>Stage:</b>		
<b>Weed 5 Name:</b>	ABUTH	ABUTH
<b>Height:</b>		
<b>Stage:</b>		
<b>Weed 6 Name:</b>	POROL	POROL
<b>Height:</b>		
<b>Stage:</b>		
<b>Weed 7 Name:</b>	SOLPT	SOLPT
<b>Height:</b>		
<b>Stage:</b>		

**Weed Density**

	1	2	3	4	5	6	7
<b>Date:</b>	Jul-7-2020	Jul-7-2020	Jul-7-2020	Jul-7-2020	Jul-7-2020	Jul-7-2020	Jul-7-2020
<b>Weed Name:</b>	ANGR	CHEAL	AMAPO	AMBEL	ABUTH	POROL	SOLPT
<b>Density:</b>	7 FT2	1 FT2	3 FT2	1 FT2	1 FT2	2 FT2	1 FT2

**Weed control systems in LibertyLink GT27 soybean with Alite 27**

Trial ID: SOY15-20

Study Dir.: Sprague, Powell, Stiles

Conducted: Campus, T-11

Investigator: Christy Sprague

Appl	Sprayer Type	Ground Speed	Nozzle Type	Nozzle Size	Nozzle Height	Application Equipment			Carrier	Operation Pressure
						Nozzle Spacing	Boom Width	Spray Volume		
A	CUB	3.8 mph	AIXR	11003	20 "	20 "	100 "	19 GPA	WATER	30 psi
B	CUB	3.8 mph	AIXR	11003	34 "	20 "	100 "	19 GPA	WATER	30 psi

**Comments:**

The common ragweed (AMBEL) population in this trial is resistant to the Group 2 (ALS-inhibiting) herbicides. Soybean yields in this trial were highly variable due to inconsistent precipitation throughout the growing season and are not a reflection of weed control or soybean injury.

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 Protocol ID: SOY15-20 Investigator (Creator): Christy Sprague  
 Project ID: Study Director: Sprague, Powell, Stiles  
 Sponsor Contact:

Pest Code						ANGR	CHEAL	AMAPO	AMBEL	POROL		
Crop Type, Code						C GLXMA						
Rating Date						Jun-17-2020	Jun-17-2020	Jun-17-2020	Jun-17-2020	Jun-17-2020		
Rating Type						injury	control	control	control	control		
Rating Unit						percent	percent	percent	percent	percent		
Trt-Eval Interval						22 DA-A	22 DA-A	22 DA-A	22 DA-A	22 DA-A		
Number of Decimals						0	0	0	0	0		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Appl Timing	Appl Code						
1	Zidua SC	4.17	L	4 fl oz/a	PRE	A	5	97	99	100	100	100
	Liberty	2.34	L	32 fl oz/a	POST	B						
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B						
	AMS		WG	17 lb/100 gal	POST	B						
2	Zidua SC	4.17	L	4 fl oz/a	PRE	A	9	100	100	100	100	100
	Alite 27	4	L	3 fl oz/a	PRE	A						
	Liberty	2.34	L	32 fl oz/a	POST	B						
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B						
	AMS		WG	17 lb/100 gal	POST	B						
3	Zidua PRO	4.09	L	4.5 fl oz/a	PRE	A	5	97	100	100	100	100
	Liberty	2.34	L	32 fl oz/a	POST	B						
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B						
	AMS		WG	17 lb/100 gal	POST	B						
4	Zidua PRO	4.09	L	4.5 fl oz/a	PRE	A	7	100	100	100	100	100
	Alite 27	4	L	3 fl oz/a	PRE	A						
	Liberty	2.34	L	32 fl oz/a	POST	B						
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B						
	AMS		WG	17 lb/100 gal	POST	B						
5	Untreated						0	0	0	0	0	0
6	Zidua PRO	4.09	L	4.5 fl oz/a	PRE	A	10	100	100	100	100	100
	Alite 27	4	L	3 fl oz/a	PRE	A						
7	Matador	4.7	L	2.7 pt/a	PRE	A	1	100	100	100	100	100
	Liberty	2.34	L	32 fl oz/a	POST	B						
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B						
	AMS		WG	17 lb/100 gal	POST	B						
8	Matador	4.7	L	2.7 pt/a	PRE	A	13	100	100	100	100	100
	Alite 27	4	L	3 fl oz/a	PRE	A						
	Liberty	2.34	L	32 fl oz/a	POST	B						
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B						
	AMS		WG	17 lb/100 gal	POST	B						
9	Verdict	5.57	L	5 fl oz/a	PRE	A	3	58	100	100	100	100
	Liberty	2.34	L	32 fl oz/a	POST	B						
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B						
	AMS		WG	17 lb/100 gal	POST	B						
10	Verdict	5.57	L	5 fl oz/a	PRE	A	8	97	100	100	100	100
	Alite 27	4	L	3 fl oz/a	PRE	A						
	Liberty	2.34	L	32 fl oz/a	POST	B						
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B						
	AMS		WG	17 lb/100 gal	POST	B						
	LSD P=.05						4.3	6.2	1.1	.	0.5	.
	Standard Deviation						3.0	4.2	0.8	0.0	0.3	0.0
	CV						48.93	5.01	0.88	0.0	0.35	0.0

Could not calculate LSD (% mean diff) for columns 4,6,9,10,13,15,16,17,18,19,21,22,23,24,25,27,28,29,30 because error mean square = 0.

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Location: Campus, T-11

Trial Year: 2020

Protocol ID: SOY15-20

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					C GLXMA		
Rating Date						Jul-7-2020	Jul-7-2020	Jul-7-2020	Jul-7-2020	Jul-7-2020	Jul-21-2020	Jul-21-2020	
Rating Type						injury	control	control	control	control	control	injury	
Rating Unit						percent	percent	percent	percent	percent	percent	percent	
Trt-Eval Interval						42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A	14 DA-B	
Number of Decimals						0	0	0	0	0	0	0	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Appl Timing	Appl Code							
1	Zidua SC	4.17 L		4 fl oz/a	PRE	A	0	94	100	100	92	96	0
	Liberty	2.34 L		32 fl oz/a	POST	B							
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B							
	AMS	WG		17 lb/100 gal	POST	B							
2	Zidua SC	4.17 L		4 fl oz/a	PRE	A	2	97	100	100	100	100	0
	Alite 27	4 L		3 fl oz/a	PRE	A							
	Liberty	2.34 L		32 fl oz/a	POST	B							
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B							
	AMS	WG		17 lb/100 gal	POST	B							
3	Zidua PRO	4.09 L		4.5 fl oz/a	PRE	A	0	89	100	100	100	100	0
	Liberty	2.34 L		32 fl oz/a	POST	B							
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B							
	AMS	WG		17 lb/100 gal	POST	B							
4	Zidua PRO	4.09 L		4.5 fl oz/a	PRE	A	0	96	100	100	100	100	0
	Alite 27	4 L		3 fl oz/a	PRE	A							
	Liberty	2.34 L		32 fl oz/a	POST	B							
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B							
	AMS	WG		17 lb/100 gal	POST	B							
5	Untreated						0	0	0	0	0	0	0
6	Zidua PRO	4.09 L		4.5 fl oz/a	PRE	A	0	95	100	100	100	100	0
	Alite 27	4 L		3 fl oz/a	PRE	A							
7	Matador	4.7 L		2.7 pt/a	PRE	A	0	97	100	100	99	100	0
	Liberty	2.34 L		32 fl oz/a	POST	B							
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B							
	AMS	WG		17 lb/100 gal	POST	B							
8	Matador	4.7 L		2.7 pt/a	PRE	A	1	99	100	100	100	100	0
	Alite 27	4 L		3 fl oz/a	PRE	A							
	Liberty	2.34 L		32 fl oz/a	POST	B							
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B							
	AMS	WG		17 lb/100 gal	POST	B							
9	Verdict	5.57 L		5 fl oz/a	PRE	A	0	48	100	100	100	100	0
	Liberty	2.34 L		32 fl oz/a	POST	B							
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B							
	AMS	WG		17 lb/100 gal	POST	B							
10	Verdict	5.57 L		5 fl oz/a	PRE	A	0	91	100	100	100	100	0
	Alite 27	4 L		3 fl oz/a	PRE	A							
	Liberty	2.34 L		32 fl oz/a	POST	B							
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B							
	AMS	WG		17 lb/100 gal	POST	B							
	LSD P=.05						1.0	8.0	.	.	4.6	2.2	.
	Standard Deviation						0.7	5.5	0.0	0.0	3.2	1.5	0.0
	CV						311.64	6.83	0.0	0.0	3.59	1.69	0.0

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Project ID:

Study Director: Sprague, Powell, Stiles

Sponsor Contact:

Pest Code	ANGR	CHEAL	AMAPO	AMBEL	ABUTH	C GLXMA
Crop Type, Code						Jul-28-2020
Rating Date	Jul-21-2020	Jul-21-2020	Jul-21-2020	Jul-21-2020	Jul-21-2020	Jul-28-2020
Rating Type	control	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	21 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	Zidua SC	4.17	L	4 fl oz/a	PRE	A	100	100	100	100	100	0
	Liberty	2.34	L	32 fl oz/a	POST	B						
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B						
	AMS		WG	17 lb/100 gal	POST	B						
2	Zidua SC	4.17	L	4 fl oz/a	PRE	A	100	100	100	100	100	0
	Alite 27	4	L	3 fl oz/a	PRE	A						
	Liberty	2.34	L	32 fl oz/a	POST	B						
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B						
	AMS		WG	17 lb/100 gal	POST	B						
3	Zidua PRO	4.09	L	4.5 fl oz/a	PRE	A	100	100	100	100	100	0
	Liberty	2.34	L	32 fl oz/a	POST	B						
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B						
	AMS		WG	17 lb/100 gal	POST	B						
4	Zidua PRO	4.09	L	4.5 fl oz/a	PRE	A	100	100	100	100	100	0
	Alite 27	4	L	3 fl oz/a	PRE	A						
	Liberty	2.34	L	32 fl oz/a	POST	B						
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B						
	AMS		WG	17 lb/100 gal	POST	B						
5	Untreated						0	0	0	0	0	0
6	Zidua PRO	4.09	L	4.5 fl oz/a	PRE	A	98	100	100	100	100	0
	Alite 27	4	L	3 fl oz/a	PRE	A						
7	Matador	4.7	L	2.7 pt/a	PRE	A	100	100	100	100	100	0
	Liberty	2.34	L	32 fl oz/a	POST	B						
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B						
	AMS		WG	17 lb/100 gal	POST	B						
8	Matador	4.7	L	2.7 pt/a	PRE	A	100	100	100	100	100	0
	Alite 27	4	L	3 fl oz/a	PRE	A						
	Liberty	2.34	L	32 fl oz/a	POST	B						
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B						
	AMS		WG	17 lb/100 gal	POST	B						
9	Verdict	5.57	L	5 fl oz/a	PRE	A	99	100	100	100	100	0
	Liberty	2.34	L	32 fl oz/a	POST	B						
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B						
	AMS		WG	17 lb/100 gal	POST	B						
10	Verdict	5.57	L	5 fl oz/a	PRE	A	100	100	100	100	100	0
	Alite 27	4	L	3 fl oz/a	PRE	A						
	Liberty	2.34	L	32 fl oz/a	POST	B						
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B						
	AMS		WG	17 lb/100 gal	POST	B						
	LSD P=.05						1.6	.	.	.	.	.
	Standard Deviation						1.1	0.0	0.0	0.0	0.0	0.0
	CV						1.2	0.0	0.0	0.0	0.0	0.0

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Project ID:

Study Director: Sprague, Powell, Stiles

Sponsor Contact:

Pest Code	ANGR	CHEAL	AMAPO	AMBEL	ABUTH	SOLPT
Crop Type, Code						
Rating Date	Jul-28-2020	Jul-28-2020	Jul-28-2020	Jul-28-2020	Jul-28-2020	Jul-28-2020
Rating Type	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	21 DA-B	21 DA-B	21 DA-B	21 DA-B	21 DA-B	21 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	Zidua SC	4.17 L		4 fl oz/a	PRE	A	100	100	100	100	100
	Liberty	2.34 L		32 fl oz/a	POST	B					
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B					
	AMS	WG		17 lb/100 gal	POST	B					
2	Zidua SC	4.17 L		4 fl oz/a	PRE	A	100	100	100	100	100
	Alite 27	4 L		3 fl oz/a	PRE	A					
	Liberty	2.34 L		32 fl oz/a	POST	B					
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B					
	AMS	WG		17 lb/100 gal	POST	B					
3	Zidua PRO	4.09 L		4.5 fl oz/a	PRE	A	100	100	100	100	100
	Liberty	2.34 L		32 fl oz/a	POST	B					
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B					
	AMS	WG		17 lb/100 gal	POST	B					
4	Zidua PRO	4.09 L		4.5 fl oz/a	PRE	A	100	100	100	100	100
	Alite 27	4 L		3 fl oz/a	PRE	A					
	Liberty	2.34 L		32 fl oz/a	POST	B					
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B					
	AMS	WG		17 lb/100 gal	POST	B					
5	Untreated						0	0	0	0	0
6	Zidua PRO	4.09 L		4.5 fl oz/a	PRE	A	95	100	100	100	100
	Alite 27	4 L		3 fl oz/a	PRE	A					
7	Matador	4.7 L		2.7 pt/a	PRE	A	100	100	100	100	100
	Liberty	2.34 L		32 fl oz/a	POST	B					
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B					
	AMS	WG		17 lb/100 gal	POST	B					
8	Matador	4.7 L		2.7 pt/a	PRE	A	100	100	100	100	100
	Alite 27	4 L		3 fl oz/a	PRE	A					
	Liberty	2.34 L		32 fl oz/a	POST	B					
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B					
	AMS	WG		17 lb/100 gal	POST	B					
9	Verdict	5.57 L		5 fl oz/a	PRE	A	99	100	100	100	100
	Liberty	2.34 L		32 fl oz/a	POST	B					
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B					
	AMS	WG		17 lb/100 gal	POST	B					
10	Verdict	5.57 L		5 fl oz/a	PRE	A	100	100	100	100	100
	Alite 27	4 L		3 fl oz/a	PRE	A					
	Liberty	2.34 L		32 fl oz/a	POST	B					
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B					
	AMS	WG		17 lb/100 gal	POST	B					
	LSD P=.05						2.2	.	.	.	.
	Standard Deviation						1.5	0.0	0.0	0.0	0.0
	CV						1.72	0.0	0.0	0.0	0.0

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Study Director: Sprague, Powell, Stiles

Sponsor Contact:

Pest Code					ANGR	CHEAL	AMAPO	AMBEL	ABUTH	C	GLXMA
Crop Type, Code					Oct-13-2020	Oct-13-2020	Oct-13-2020	Oct-13-2020	Oct-13-2020	Oct-13-2020	Oct-14-2020
Rating Date					control	control	control	control	control	control	moisture
Rating Type					percent	percent	percent	percent	percent	percent	percent
Rating Unit					98 DA-B	98 DA-B	98 DA-B	98 DA-B	98 DA-B	98 DA-B	99 DA-B
Trt-Eval Interval					0	0	0	0	0	0	1
Number of Decimals					0	0	0	0	0	0	1
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Appl Timing	Appl Code					
1	Zidua SC	4.17 L		4 fl oz/a	PRE	A	100	100	100	100	100
	Liberty	2.34 L		32 fl oz/a	POST	B					13.1
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B					
	AMS	WG		17 lb/100 gal	POST	B					
2	Zidua SC	4.17 L		4 fl oz/a	PRE	A	100	100	100	100	100
	Alite 27	4 L		3 fl oz/a	PRE	A					12.7
	Liberty	2.34 L		32 fl oz/a	POST	B					
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B					
	AMS	WG		17 lb/100 gal	POST	B					
3	Zidua PRO	4.09 L		4.5 fl oz/a	PRE	A	100	100	100	100	100
	Liberty	2.34 L		32 fl oz/a	POST	B					13.1
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B					
	AMS	WG		17 lb/100 gal	POST	B					
4	Zidua PRO	4.09 L		4.5 fl oz/a	PRE	A	99	100	100	100	100
	Alite 27	4 L		3 fl oz/a	PRE	A					13.1
	Liberty	2.34 L		32 fl oz/a	POST	B					
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B					
	AMS	WG		17 lb/100 gal	POST	B					
5	Untreated						0	0	0	0	0
6	Zidua PRO	4.09 L		4.5 fl oz/a	PRE	A	91	100	100	100	100
	Alite 27	4 L		3 fl oz/a	PRE	A					14.0
7	Matador	4.7 L		2.7 pt/a	PRE	A	100	100	100	100	100
	Liberty	2.34 L		32 fl oz/a	POST	B					13.1
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B					
	AMS	WG		17 lb/100 gal	POST	B					
8	Matador	4.7 L		2.7 pt/a	PRE	A	100	100	100	100	100
	Alite 27	4 L		3 fl oz/a	PRE	A					13.0
	Liberty	2.34 L		32 fl oz/a	POST	B					
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B					
	AMS	WG		17 lb/100 gal	POST	B					
9	Verdict	5.57 L		5 fl oz/a	PRE	A	98	100	100	100	100
	Liberty	2.34 L		32 fl oz/a	POST	B					13.1
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B					
	AMS	WG		17 lb/100 gal	POST	B					
10	Verdict	5.57 L		5 fl oz/a	PRE	A	100	100	100	100	100
	Alite 27	4 L		3 fl oz/a	PRE	A					13.1
	Liberty	2.34 L		32 fl oz/a	POST	B					
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B					
	AMS	WG		17 lb/100 gal	POST	B					
	LSD P=.05						4.1	.	.	.	1.10
	Standard Deviation						2.9	0.0	0.0	0.0	0.75
	CV						3.22	0.0	0.0	0.0	5.36

Could not calculate LSD (% mean diff) for columns 4,6,9,10,13,15,16,17,18,19,21,22,23,24,25,27,28,29,30 because error mean square = 0.

## Weed control systems in LibertyLink GT27 soybean with Alite 27

Trial ID: SOY15-20 Location: Campus, T-11 Trial Year: 2020  
 Protocol ID: SOY15-20 Investigator (Creator): Christy Sprague  
 Project ID: Study Director: Sprague, Powell, Stiles  
 Sponsor Contact:

Pest Code  
 Crop Type, Code C GLXMA  
 Rating Date Oct-14-2020  
 Rating Type yield  
 Rating Unit bu/A  
 Trt-Eval Interval at 13% M  
 Number of Decimals 1

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Appl Timing	Appl Code	
1	Zidua SC	4.17	L	4 fl oz/a	PRE	A	43.1
	Liberty	2.34	L	32 fl oz/a	POST	B	
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B	
	AMS		WG	17 lb/100 gal	POST	B	
2	Zidua SC	4.17	L	4 fl oz/a	PRE	A	50.1
	Alite 27	4	L	3 fl oz/a	PRE	A	
	Liberty	2.34	L	32 fl oz/a	POST	B	
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B	
	AMS		WG	17 lb/100 gal	POST	B	
3	Zidua PRO	4.09	L	4.5 fl oz/a	PRE	A	42.8
	Liberty	2.34	L	32 fl oz/a	POST	B	
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B	
	AMS		WG	17 lb/100 gal	POST	B	
4	Zidua PRO	4.09	L	4.5 fl oz/a	PRE	A	40.4
	Alite 27	4	L	3 fl oz/a	PRE	A	
	Liberty	2.34	L	32 fl oz/a	POST	B	
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B	
	AMS		WG	17 lb/100 gal	POST	B	
5	Untreated						31.7
6	Zidua PRO	4.09	L	4.5 fl oz/a	PRE	A	45.1
	Alite 27	4	L	3 fl oz/a	PRE	A	
7	Matador	4.7	L	2.7 pt/a	PRE	A	46.8
	Liberty	2.34	L	32 fl oz/a	POST	B	
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B	
	AMS		WG	17 lb/100 gal	POST	B	
8	Matador	4.7	L	2.7 pt/a	PRE	A	47.2
	Alite 27	4	L	3 fl oz/a	PRE	A	
	Liberty	2.34	L	32 fl oz/a	POST	B	
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B	
	AMS		WG	17 lb/100 gal	POST	B	
9	Verdict	5.57	L	5 fl oz/a	PRE	A	49.4
	Liberty	2.34	L	32 fl oz/a	POST	B	
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B	
	AMS		WG	17 lb/100 gal	POST	B	
10	Verdict	5.57	L	5 fl oz/a	PRE	A	46.0
	Alite 27	4	L	3 fl oz/a	PRE	A	
	Liberty	2.34	L	32 fl oz/a	POST	B	
	Roundup PowerMax	4.5	SL	32 fl oz/a	POST	B	
	AMS		WG	17 lb/100 gal	POST	B	
	LSD P=.05						18.05
	Standard Deviation						12.44
	CV						28.1