

MSU Weed Science Research Program

Sugarbeet tolerance with Rinskor

Trial ID: SB03-22 Study Dir.: Sprague, Stiles, Powell
 Conducted: SVREC Investigator:

Planting Date: Apr-20-2022 **Row Spacing:** 30 IN
Variety: Crystal G049 **No. of Reps:** 4
Population: 4.375 " spacing **% OM:** 2.5
Soil Type: SCL sandy clay loam **pH:** 7.4
Plot Size: 10 X 30 FT **Study Design:** Randomized Complete Block (RCB)

Tillage/Previous Crops: Fall chisel plow; Spring multi-purpose tillage tool followed by a soil finisher
Fertilizer:

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1			
Crop	Code	Common Name	
1	BETVU	Sugarbeet	

Application Description

	A	B
Application Timing:	2-leaf	+10d
Date Treated:	May-19-2022	Jun-1-2022
Time Treated:	3:00 PM	12:05 PM
% Cloud Cover:	60	90
Air Temp., Unit:	71 F	75 F
% Relative Humidity:	62	66
Wind Speed/Unit/Dir:	6 MPH SW	5 MPH NW
Soil Temp, Unit:	70 F	75 F
Leaf Moist/Dew Presence (Y/N):	N	N
Soil Moist:	4	4

Crop Stage at Each Application

	A	B
Crop 1 Name:	BETVU	BETVU
Height:	1-1.5 " (1.5)	3-6 " (4)
Stage:	2L-4L (2L)	6L-8L (6L)

Weed Stage at Each Application

	A	B
Weed 1 Name:		
Height:		
Stage:		

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	AIXR	11003	18.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	30 PSI
B	CUB	3.8 MPH	AIXR	11003	20.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	30 PSI

Comments: Roundup PowerMax 3 at 30 fl oz/A + AMS at 17 lbs/100 gal was applied to the entire study on May 25, 2022 when sugarbeet was at the 4-6 leaf stage.

Michigan State University

Sugarbeet tolerance with Rinskor

Trial ID: SB03-22 Location: SVREC Trial Year: 2022
 Protocol ID: SB03-22 Investigator (Creator): Christy Sprague
 Project ID: Study Director: Sprague, Stiles, Powell
 Sponsor Contact:

Crop Type, Code	C, BETVU	C, BETVU	C, BETVU	C, BETVU	C, BETVU	C, BETVU
Rating Date	May-22-2022	May-26-2022	Jun-1-2022	Jun-8-2022	Jun-16-2022	Jun-22-2022
Rating Type	injury	injury	injury	injury	injury	injury
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Trt-Eval Interval	3 DA-A	7 DA-A	0 DA-B	7 DA-B	15 DA-B	21 DA-B
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Rate	Unit	Appl Timing	Appl Code						
1	Loyant	0.274	fl oz/a	2-leaf	A	19	13	13	25	19	22
	Destiny HC	0.5	% v/v	2-leaf	A						
	Loyant	0.274	fl oz/a	+10 d	B						
	Destiny HC	0.5	% v/v	+10 d	B						
2	Loyant	0.547	fl oz/a	2-leaf	A	25	21	19	33	23	33
	Destiny HC	0.5	% v/v	2-leaf	A						
	Loyant	0.547	fl oz/a	+10 d	B						
	Destiny HC	0.5	% v/v	+10 d	B						
3	Loyant	1.095	fl oz/a	2-leaf	A	34	26	21	36	29	34
	Destiny HC	0.5	% v/v	2-leaf	A						
	Loyant	1.095	fl oz/a	+10 d	B						
	Destiny HC	0.5	% v/v	+10 d	B						
4	Untreated					0	0	0	0	0	0
5	XDE-848 BE (GF3301)	0.0456	fl oz/a	2-leaf	A	14	13	11	28	25	22
	Destiny HC	0.5	% v/v	2-leaf	A						
	XDE-848 BE (GF3301)	0.0456	fl oz/a	+10 d	B						
	Destiny HC	0.5	% v/v	+10 d	B						
6	Loyant	0.274	fl oz/a	2-leaf	A	29	25	24	33	25	23
	Ethofumesate	6	fl oz/a	2-leaf	A						
	Dual Magnum	1	pt/a	2-leaf	A						
	Roundup PowerMax 3	25	fl oz/a	2-leaf	A						
	Destiny HC	0.5	% v/v	2-leaf	A						
	AMSOL	2.5	% v/v	2-leaf	A						
	Loyant	0.274	fl oz/a	+10 d	B						
	Ethofumesate	6	fl oz/a	+10 d	B						
	Dual Magnum	1	pt/a	+10 d	B						
	Roundup PowerMax 3	25	fl oz/a	+10 d	B						
	Destiny HC	0.5	% v/v	+10 d	B						
	AMSOL	2.5	% v/v	+10 d	B						
7	Loyant	0.547	fl oz/a	2-leaf	A	35	33	30	38	32	33
	Ethofumesate	6	fl oz/a	2-leaf	A						
	Dual Magnum	1	pt/a	2-leaf	A						
	Roundup PowerMax 3	25	fl oz/a	2-leaf	A						
	Destiny HC	0.5	% v/v	2-leaf	A						
	AMSOL	2.5	% v/v	2-leaf	A						
	Loyant	0.547	fl oz/a	+10 d	B						
	Ethofumesate	6	fl oz/a	+10 d	B						
	Dual Magnum	1	pt/a	+10 d	B						
	Roundup PowerMax 3	25	fl oz/a	+10 d	B						
	Destiny HC	0.5	% v/v	+10 d	B						
	AMSOL	2.5	% v/v	+10 d	B						
8	Loyant	1.095	fl oz/a	2-leaf	A	35	33	30	40	36	40
	Ethofumesate	6	fl oz/a	2-leaf	A						
	Dual Magnum	1	pt/a	2-leaf	A						
	Roundup PowerMax 3	25	fl oz/a	2-leaf	A						
	Destiny HC	0.5	% v/v	2-leaf	A						
	AMSOL	2.5	% v/v	2-leaf	A						
	Loyant	1.095	fl oz/a	+10 d	B						
	Ethofumesate	6	fl oz/a	+10 d	B						
	Dual Magnum	1	pt/a	+10 d	B						
	Roundup PowerMax 3	25	fl oz/a	+10 d	B						
	Destiny HC	0.5	% v/v	+10 d	B						
	AMSOL	2.5	% v/v	+10 d	B						

Missing data estimates are included in columns: Average=4,5,6,7,9,10,11,12,13,14

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Sugarbeet tolerance with Rinskor

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 Protocol ID: SB03-22 Investigator (Creator): Christy Sprague
 Project ID: Study Director: Sprague, Stiles, Powell
 Sponsor Contact:

Crop Type, Code		C, BETVU	C, BETVU	C, BETVU	C, BETVU	C, BETVU	C, BETVU			
Rating Date		May-22-2022	May-26-2022	Jun-1-2022	Jun-8-2022	Jun-16-2022	Jun-22-2022			
Rating Type		injury	injury	injury	injury	injury	injury			
Rating Unit/Min/Max		%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100			
Trt-Eval Interval		3 DA-A	7 DA-A	0 DA-B	7 DA-B	15 DA-B	21 DA-B			
Number of Decimals		0	0	0	0	0	0			
Trt Treatment	Rate	Appl Unit	Appl Timing	Code						
9 XDE-848 BE (GF3301)	0.0456	fl oz/a	2-leaf	A	33	28	29	39	25	25
Ethofumesate	6	fl oz/a	2-leaf	A						
Dual Magnum	1	pt/a	2-leaf	A						
Roundup PowerMax 3	25	fl oz/a	2-leaf	A						
Destiny HC	0.5	% v/v	2-leaf	A						
AMSOL	2.5	% v/v	2-leaf	A						
XDE-848 BE (GF3301)	0.0456	fl oz/a	+10 d	B						
Ethofumesate	6	fl oz/a	+10 d	B						
Dual Magnum	1	pt/a	+10 d	B						
Roundup PowerMax 3	25	fl oz/a	+10 d	B						
Destiny HC	0.5	% v/v	+10 d	B						
AMSOL	2.5	% v/v	+10 d	B						
10 Stinger HL	1.2	fl oz/a	2-leaf	A	21	21	19	15	6	4
Dual Magnum	1	pt/a	2-leaf	A						
Roundup PowerMax 3	25	fl oz/a	2-leaf	A						
AMSOL	2.5	% v/v	2-leaf	A						
Stinger HL	2.4	fl oz/a	+10 d	B						
Dual Magnum	1	pt/a	+10 d	B						
Roundup PowerMax 3	25	fl oz/a	+10 d	B						
AMSOL	2.5	% v/v	+10 d	B						
11 Loyant	0.274	fl oz/a	2-leaf	A	25	21	21	40	24	25
Dual Magnum	1	pt/a	2-leaf	A						
Roundup PowerMax 3	25	fl oz/a	2-leaf	A						
Destiny HC	0.5	% v/v	2-leaf	A						
AMSOL	2.5	% v/v	2-leaf	A						
Loyant	0.274	fl oz/a	+10 d	B						
Dual Magnum	1	pt/a	+10 d	B						
Roundup PowerMax 3	25	fl oz/a	+10 d	B						
Destiny HC	0.5	% v/v	+10 d	B						
AMSOL	2.5	% v/v	+10 d	B						
12 Loyant	0.547	fl oz/a	2-leaf	A	35	28	26	39	31	34
Dual Magnum	1	pt/a	2-leaf	A						
Roundup PowerMax 3	25	fl oz/a	2-leaf	A						
Destiny HC	0.5	% v/v	2-leaf	A						
AMSOL	2.5	% v/v	2-leaf	A						
Loyant	0.547	fl oz/a	+10 d	B						
Dual Magnum	1	pt/a	+10 d	B						
Roundup PowerMax 3	25	fl oz/a	+10 d	B						
Destiny HC	0.5	% v/v	+10 d	B						
AMSOL	2.5	% v/v	+10 d	B						
LSD P=.05					6.9	5.9	6.0	6.0	5.6	5.7
Standard Deviation					4.8	4.1	4.2	4.2	3.9	4.0
CV					19.05	18.77	20.54	13.82	17.0	16.3

Missing data estimates are included in columns: Average=4,5,6,7,9,10,11,12,13,14

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 Sponsor Contact:

Crop Type, Code	C, BETVU	C, BETVU	C, BETVU	C, BETVU	C, BETVU	C, BETVU
Rating Date	Jun-30-2022	Jul-15-2022	Aug-30-2022	Aug-30-2022	Aug-30-2022	Aug-30-2022
Rating Type	injury	injury	injury	stand count	sugar	RWST
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	100' ROW, -, -	%, 0, 100	lb/ton, -, -
Trt-Eval Interval	29 DA-B	44 DA-B	90 DA-B	@ harvest	@ harvest	@ harvest
Number of Decimals	0	0	0	0	1	0

Trt No.	Treatment Name	Rate	Unit	Appl Timing	Appl Code	14	11	6	170	15.9	230
1	Loyant	0.274	fl oz/a	2-leaf	A	14	11	6	170	15.9	230
	Destiny HC	0.5	% v/v	2-leaf	A						
	Loyant	0.274	fl oz/a	+10 d	B						
	Destiny HC	0.5	% v/v	+10 d	B						
2	Loyant	0.547	fl oz/a	2-leaf	A	25	23	11	179	15.5	224
	Destiny HC	0.5	% v/v	2-leaf	A						
	Loyant	0.547	fl oz/a	+10 d	B						
	Destiny HC	0.5	% v/v	+10 d	B						
3	Loyant	1.095	fl oz/a	2-leaf	A	35	34	13	167	15.3	222
	Destiny HC	0.5	% v/v	2-leaf	A						
	Loyant	1.095	fl oz/a	+10 d	B						
	Destiny HC	0.5	% v/v	+10 d	B						
4	Untreated					0	0	0	179	16.3	239
5	XDE-848 BE (GF3301)	0.0456	fl oz/a	2-leaf	A	18	15	8	173	16.3	239
	Destiny HC	0.5	% v/v	2-leaf	A						
	XDE-848 BE (GF3301)	0.0456	fl oz/a	+10 d	B						
	Destiny HC	0.5	% v/v	+10 d	B						
6	Loyant	0.274	fl oz/a	2-leaf	A	17	11	9	177	16.4	240
	Ethofumesate	6	fl oz/a	2-leaf	A						
	Dual Magnum	1	pt/a	2-leaf	A						
	Roundup PowerMax 3	25	fl oz/a	2-leaf	A						
	Destiny HC	0.5	% v/v	2-leaf	A						
	AMSOL	2.5	% v/v	2-leaf	A						
	Loyant	0.274	fl oz/a	+10 d	B						
	Ethofumesate	6	fl oz/a	+10 d	B						
	Dual Magnum	1	pt/a	+10 d	B						
	Roundup PowerMax 3	25	fl oz/a	+10 d	B						
	Destiny HC	0.5	% v/v	+10 d	B						
	AMSOL	2.5	% v/v	+10 d	B						
7	Loyant	0.547	fl oz/a	2-leaf	A	32	26	13	148	16.0	233
	Ethofumesate	6	fl oz/a	2-leaf	A						
	Dual Magnum	1	pt/a	2-leaf	A						
	Roundup PowerMax 3	25	fl oz/a	2-leaf	A						
	Destiny HC	0.5	% v/v	2-leaf	A						
	AMSOL	2.5	% v/v	2-leaf	A						
	Loyant	0.547	fl oz/a	+10 d	B						
	Ethofumesate	6	fl oz/a	+10 d	B						
	Dual Magnum	1	pt/a	+10 d	B						
	Roundup PowerMax 3	25	fl oz/a	+10 d	B						
	Destiny HC	0.5	% v/v	+10 d	B						
	AMSOL	2.5	% v/v	+10 d	B						
8	Loyant	1.095	fl oz/a	2-leaf	A	39	38	15	150	15.6	226
	Ethofumesate	6	fl oz/a	2-leaf	A						
	Dual Magnum	1	pt/a	2-leaf	A						
	Roundup PowerMax 3	25	fl oz/a	2-leaf	A						
	Destiny HC	0.5	% v/v	2-leaf	A						
	AMSOL	2.5	% v/v	2-leaf	A						
	Loyant	1.095	fl oz/a	+10 d	B						
	Ethofumesate	6	fl oz/a	+10 d	B						
	Dual Magnum	1	pt/a	+10 d	B						
	Roundup PowerMax 3	25	fl oz/a	+10 d	B						
	Destiny HC	0.5	% v/v	+10 d	B						
	AMSOL	2.5	% v/v	+10 d	B						

Missing data estimates are included in columns: Average=4,5,6,7,9,10,11,12,13,14

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 Protocol ID: SB03-22 Investigator (Creator): Christy Sprague
 Project ID: Study Director: Sprague, Stiles, Powell
 Sponsor Contact:

Crop Type, Code				C, BETVU	C, BETVU	C, BETVU	C, BETVU	C, BETVU	C, BETVU
Rating Date				Jun-30-2022	Jul-15-2022	Aug-30-2022	Aug-30-2022	Aug-30-2022	Aug-30-2022
Rating Type				injury	injury	injury	stand count	sugar	RWST
Rating Unit/Min/Max				%, 0, 100	%, 0, 100	%, 0, 100	100' ROW, -, -	%, 0, 100	lb/ton, -, -
Trt-Eval Interval				29 DA-B	44 DA-B	90 DA-B	@ harvest	@ harvest	@ harvest
Number of Decimals				0	0	0	0	1	0
Trt Treatment	Rate	Appl Unit	Appl Timing						
No. Name									
9	XDE-848 BE (GF3301)	0.0456 fl oz/a	2-leaf A	20	14	13	135	16.1	235
	Ethofumesate	6 fl oz/a	2-leaf A						
	Dual Magnum	1 pt/a	2-leaf A						
	Roundup PowerMax 3	25 fl oz/a	2-leaf A						
	Destiny HC	0.5 % v/v	2-leaf A						
	AMSOL	2.5 % v/v	2-leaf A						
	XDE-848 BE (GF3301)	0.0456 fl oz/a	+10 d B						
	Ethofumesate	6 fl oz/a	+10 d B						
	Dual Magnum	1 pt/a	+10 d B						
	Roundup PowerMax 3	25 fl oz/a	+10 d B						
	Destiny HC	0.5 % v/v	+10 d B						
	AMSOL	2.5 % v/v	+10 d B						
10	Stinger HL	1.2 fl oz/a	2-leaf A	3	1	0	166	15.9	232
	Dual Magnum	1 pt/a	2-leaf A						
	Roundup PowerMax 3	25 fl oz/a	2-leaf A						
	AMSOL	2.5 % v/v	2-leaf A						
	Stinger HL	2.4 fl oz/a	+10 d B						
	Dual Magnum	1 pt/a	+10 d B						
	Roundup PowerMax 3	25 fl oz/a	+10 d B						
	AMSOL	2.5 % v/v	+10 d B						
11	Loyant	0.274 fl oz/a	2-leaf A	17	13	12	148	16.0	233
	Dual Magnum	1 pt/a	2-leaf A						
	Roundup PowerMax 3	25 fl oz/a	2-leaf A						
	Destiny HC	0.5 % v/v	2-leaf A						
	AMSOL	2.5 % v/v	2-leaf A						
	Loyant	0.274 fl oz/a	+10 d B						
	Dual Magnum	1 pt/a	+10 d B						
	Roundup PowerMax 3	25 fl oz/a	+10 d B						
	Destiny HC	0.5 % v/v	+10 d B						
	AMSOL	2.5 % v/v	+10 d B						
12	Loyant	0.547 fl oz/a	2-leaf A	33	25	11	189	15.6	226
	Dual Magnum	1 pt/a	2-leaf A						
	Roundup PowerMax 3	25 fl oz/a	2-leaf A						
	Destiny HC	0.5 % v/v	2-leaf A						
	AMSOL	2.5 % v/v	2-leaf A						
	Loyant	0.547 fl oz/a	+10 d B						
	Dual Magnum	1 pt/a	+10 d B						
	Roundup PowerMax 3	25 fl oz/a	+10 d B						
	Destiny HC	0.5 % v/v	+10 d B						
	AMSOL	2.5 % v/v	+10 d B						
LSD P=.05				6.4	7.1	4.3	27.2	0.90	15.8
Standard Deviation				4.4	4.9	3.0	18.9	0.63	11.0
CV				21.25	28.3	32.98	11.42	3.93	4.74

Missing data estimates are included in columns: Average=4,5,6,7,9,10,11,12,13,14

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 Project ID: Study Director: Sprague, Stiles, Powell
 Sponsor Contact:

Trial Year: 2022

Crop Type, Code	C, BETVU	C, BETVU
Rating Date	Aug-30-2022	Aug-30-2022
Rating Type	yield	RWSA
Rating Unit/Min/Max	ton/A, -, -	lb/A, -, -
Trt-Eval Interval	@ harvest	@ harvest
Number of Decimals	1	0

Trt No.	Treatment Name	Rate	Unit	Appl Timing	Appl Code		
1	Loyant	0.274	fl oz/a	2-leaf	A	23.3	5363
	Destiny HC	0.5	% v/v	2-leaf	A		
	Loyant	0.274	fl oz/a	+10 d	B		
	Destiny HC	0.5	% v/v	+10 d	B		
2	Loyant	0.547	fl oz/a	2-leaf	A	23.4	5251
	Destiny HC	0.5	% v/v	2-leaf	A		
	Loyant	0.547	fl oz/a	+10 d	B		
	Destiny HC	0.5	% v/v	+10 d	B		
3	Loyant	1.095	fl oz/a	2-leaf	A	22.7	5018
	Destiny HC	0.5	% v/v	2-leaf	A		
	Loyant	1.095	fl oz/a	+10 d	B		
	Destiny HC	0.5	% v/v	+10 d	B		
4	Untreated					30.5	7250
5	XDE-848 BE (GF3301)	0.0456	fl oz/a	2-leaf	A	23.5	5570
	Destiny HC	0.5	% v/v	2-leaf	A		
	XDE-848 BE (GF3301)	0.0456	fl oz/a	+10 d	B		
	Destiny HC	0.5	% v/v	+10 d	B		
6	Loyant	0.274	fl oz/a	2-leaf	A	25.9	6209
	Ethofumesate	6	fl oz/a	2-leaf	A		
	Dual Magnum	1	pt/a	2-leaf	A		
	Roundup PowerMax 3	25	fl oz/a	2-leaf	A		
	Destiny HC	0.5	% v/v	2-leaf	A		
	AMSOL	2.5	% v/v	2-leaf	A		
	Loyant	0.274	fl oz/a	+10 d	B		
	Ethofumesate	6	fl oz/a	+10 d	B		
	Dual Magnum	1	pt/a	+10 d	B		
	Roundup PowerMax 3	25	fl oz/a	+10 d	B		
	Destiny HC	0.5	% v/v	+10 d	B		
	AMSOL	2.5	% v/v	+10 d	B		
7	Loyant	0.547	fl oz/a	2-leaf	A	22.0	5126
	Ethofumesate	6	fl oz/a	2-leaf	A		
	Dual Magnum	1	pt/a	2-leaf	A		
	Roundup PowerMax 3	25	fl oz/a	2-leaf	A		
	Destiny HC	0.5	% v/v	2-leaf	A		
	AMSOL	2.5	% v/v	2-leaf	A		
	Loyant	0.547	fl oz/a	+10 d	B		
	Ethofumesate	6	fl oz/a	+10 d	B		
	Dual Magnum	1	pt/a	+10 d	B		
	Roundup PowerMax 3	25	fl oz/a	+10 d	B		
	Destiny HC	0.5	% v/v	+10 d	B		
	AMSOL	2.5	% v/v	+10 d	B		
8	Loyant	1.095	fl oz/a	2-leaf	A	20.2	4564
	Ethofumesate	6	fl oz/a	2-leaf	A		
	Dual Magnum	1	pt/a	2-leaf	A		
	Roundup PowerMax 3	25	fl oz/a	2-leaf	A		
	Destiny HC	0.5	% v/v	2-leaf	A		
	AMSOL	2.5	% v/v	2-leaf	A		
	Loyant	1.095	fl oz/a	+10 d	B		
	Ethofumesate	6	fl oz/a	+10 d	B		
	Dual Magnum	1	pt/a	+10 d	B		
	Roundup PowerMax 3	25	fl oz/a	+10 d	B		
	Destiny HC	0.5	% v/v	+10 d	B		
	AMSOL	2.5	% v/v	+10 d	B		

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Investigator (Creator): Christy Sprague

Project ID:

Study Director: Sprague, Stiles, Powell

Sponsor Contact:

Crop Type, Code	C, BETVU	C, BETVU
Rating Date	Aug-30-2022	Aug-30-2022
Rating Type	yield	RWSA
Rating Unit/Min/Max	ton/A, -, -	lb/A, -, -
Trt-Eval Interval	@ harvest	@ harvest
Number of Decimals	1	0

Trt No.	Treatment Name	Rate	Unit	Appl Timing	Appl Code		
9	XDE-848 BE (GF3301)	0.0456	fl oz/a	2-leaf	A	22.1	5165
	Ethofumesate	6	fl oz/a	2-leaf	A		
	Dual Magnum	1	pt/a	2-leaf	A		
	Roundup PowerMax 3	25	fl oz/a	2-leaf	A		
	Destiny HC	0.5	% v/v	2-leaf	A		
	AMSOL	2.5	% v/v	2-leaf	A		
	XDE-848 BE (GF3301)	0.0456	fl oz/a	+10 d	B		
	Ethofumesate	6	fl oz/a	+10 d	B		
	Dual Magnum	1	pt/a	+10 d	B		
	Roundup PowerMax 3	25	fl oz/a	+10 d	B		
	Destiny HC	0.5	% v/v	+10 d	B		
	AMSOL	2.5	% v/v	+10 d	B		
10	Stinger HL	1.2	fl oz/a	2-leaf	A	29.5	6849
	Dual Magnum	1	pt/a	2-leaf	A		
	Roundup PowerMax 3	25	fl oz/a	2-leaf	A		
	AMSOL	2.5	% v/v	2-leaf	A		
	Stinger HL	2.4	fl oz/a	+10 d	B		
	Dual Magnum	1	pt/a	+10 d	B		
	Roundup PowerMax 3	25	fl oz/a	+10 d	B		
	AMSOL	2.5	% v/v	+10 d	B		
11	Loyant	0.274	fl oz/a	2-leaf	A	26.9	6265
	Dual Magnum	1	pt/a	2-leaf	A		
	Roundup PowerMax 3	25	fl oz/a	2-leaf	A		
	Destiny HC	0.5	% v/v	2-leaf	A		
	AMSOL	2.5	% v/v	2-leaf	A		
	Loyant	0.274	fl oz/a	+10 d	B		
	Dual Magnum	1	pt/a	+10 d	B		
	Roundup PowerMax 3	25	fl oz/a	+10 d	B		
	Destiny HC	0.5	% v/v	+10 d	B		
	AMSOL	2.5	% v/v	+10 d	B		
12	Loyant	0.547	fl oz/a	2-leaf	A	24.7	5538
	Dual Magnum	1	pt/a	2-leaf	A		
	Roundup PowerMax 3	25	fl oz/a	2-leaf	A		
	Destiny HC	0.5	% v/v	2-leaf	A		
	AMSOL	2.5	% v/v	2-leaf	A		
	Loyant	0.547	fl oz/a	+10 d	B		
	Dual Magnum	1	pt/a	+10 d	B		
	Roundup PowerMax 3	25	fl oz/a	+10 d	B		
	Destiny HC	0.5	% v/v	+10 d	B		
	AMSOL	2.5	% v/v	+10 d	B		
	LSD P=.05					5.41	1050.8
	Standard Deviation					3.75	729.5
	CV					15.29	12.84