

MSU Weed Science Research Program

Control of volunteer Roundup Ready soybean in Roundup Ready sugarbeet

Trial ID: SB02-09BB Study Dir.: Sprague, Powell
Conducted: Bean and Beet Investigator: Christy Sprague

Date Planted: 4/16/2009 Row Spacing: 30 IN
Variety: Hilleshog 9042RR No. of Reps: 4
Population: 4 1/8" spacing % OM: 2.4
Soil Type: Silty Clay Loam pH: 7.9
Plot Size: 10 X 30 FT Design: RANDOMIZED COMPLETE BLOCK

Tillage: Fall moldboard plow
Spring Triple K (2X)
Fertilizer: Broadcast 125 lb N

Crop and Weed Description

Table with 4 columns: Weed, Code, Common Name, Scientific Name. Rows include CHEAL (LAMBSQUARTERS, COMMON), GLXMA (VOLUNTEER, SOYBEAN), and BETVU (BET, SUGAR).

Application Description

Table with 3 columns: Application Timing, A, B. Rows include Date Treated, Time Treated, % Cloud Cover, Air Temp., % Relative Humidity, Wind Speed/Unit/Dir, Soil Temp., Soil/Leaf Surface M, and Soil Moist.

Crop Stage at Each Application

Table with 3 columns: Crop Name, A, B. Rows include Height (In.) and Stage (L).

Weed Stage at Each Application

Table with 3 columns: Weed Name, A, B. Rows include Weed 1 Name, Height (In.), Stage (L), Weed 2 Name, Height (In.), and Stage (L).

Weed Density (plants/sq. ft.)

Table with 3 columns: Date, Weed Name, Density. Rows include 7/9/2009 for GLXMA and CHEAL.

Application Equipment

Table with 11 columns: Appl, Sprayer, Speed, Nozzle, Nozzle, Nozzle, Nozzle, Boom, Height, Spacing, Width, GPA, Carrier, PSI. Rows A and B describe equipment settings.

Comments: Drilled Pioneer 92M61 with a 1590 JD Drill (setting 10)
Worked in soybean with field cultivator and then planted beets

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Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	# Subsamples, Dec.	BETVU injury percent 5/29/2009 8 DA-A	BETVU injury percent 6/3/2009 13 DA-A	GLXMA control percent 6/3/2009 13 DA-A	CHEAL control percent 6/3/2009 13 DA-A	BETVU injury percent 6/11/2009 21 DA-A	GLXMA control percent 6/11/2009 21 DA-A
1	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	0	50	81	0	28
1	UpBeet	50	DG	0.5	oz/a	2" weeds	A	0	50	81	0	28
1	AMS		WG	17	lb/100 gal	2" weeds	A	0	50	81	0	28
1	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B	0	50	81	0	28
1	AMS		WG	17	lb/100 gal	+4" wds	B	0	50	81	0	28
2	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	3	56	75	0	51
2	UpBeet	50	DG	0.5	oz/a	2" weeds	A	3	56	75	0	51
2	Herbimax (COC)		L	1	% v/v	2" weeds	A	3	56	75	0	51
2	AMS		WG	17	lb/100 gal	2" weeds	A	3	56	75	0	51
2	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B	3	56	75	0	51
2	AMS		WG	17	lb/100 gal	+4" wds	B	3	56	75	0	51
3	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	0	70	89	0	66
3	UpBeet	50	DG	0.5	oz/a	2" weeds	A	0	70	89	0	66
3	Destiny HC		L	0.5	% v/v	2" weeds	A	0	70	89	0	66
3	AMS		WG	17	lb/100 gal	2" weeds	A	0	70	89	0	66
3	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B	0	70	89	0	66
3	AMS		WG	17	lb/100 gal	+4" wds	B	0	70	89	0	66
4	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	0	48	96	0	26
4	UpBeet	50	DG	0.5	oz/a	2" weeds	A	0	48	96	0	26
4	AMS		WG	17	lb/100 gal	2" weeds	A	0	48	96	0	26
4	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B	0	48	96	0	26
4	UpBeet	50	DG	0.5	oz/a	+4" wds	B	0	48	96	0	26
4	AMS		WG	17	lb/100 gal	+4" wds	B	0	48	96	0	26
5	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	0	50	88	0	38
5	UpBeet	50	DG	1	oz/a	2" weeds	A	0	50	88	0	38
5	AMS		WG	17	lb/100 gal	2" weeds	A	0	50	88	0	38
5	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B	0	50	88	0	38
5	AMS		WG	17	lb/100 gal	+4" wds	B	0	50	88	0	38
6	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	0	75	93	0	66
6	Stinger	3	L	1	fl oz/a	2" weeds	A	0	75	93	0	66
6	AMS		WG	17	lb/100 gal	2" weeds	A	0	75	93	0	66
6	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B	0	75	93	0	66
6	AMS		WG	17	lb/100 gal	+4" wds	B	0	75	93	0	66
7	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	0	81	90	0	85
7	Stinger	3	L	2	fl oz/a	2" weeds	A	0	81	90	0	85
7	AMS		WG	17	lb/100 gal	2" weeds	A	0	81	90	0	85
7	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B	0	81	90	0	85
7	AMS		WG	17	lb/100 gal	+4" wds	B	0	81	90	0	85
8	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	14	81	91	0	91
8	Stinger	3	L	4	fl oz/a	2" weeds	A	14	81	91	0	91
8	AMS		WG	17	lb/100 gal	2" weeds	A	14	81	91	0	91
8	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B	14	81	91	0	91
8	AMS		WG	17	lb/100 gal	+4" wds	B	14	81	91	0	91
9	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	0	0	98	0	0
9	AMS		WG	17	lb/100 gal	2" weeds	A	0	0	98	0	0
9	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B	0	0	98	0	0
9	AMS		WG	17	lb/100 gal	+4" wds	B	0	0	98	0	0

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Control of volunteer Roundup Ready soybean in Roundup Ready sugarbeet

Trial ID: SB02-09BB
Conducted: Bean and Beet

Study Dir.: Sprague, Powell
Investigator: Christy Sprague

Weed Code						BETVU	BETVU	GLXMA	CHEAL	BETVU	GLXMA		
Crop Code						injury	injury	control	control	injury	control		
Rating Data Type						percent	percent	percent	percent	percent	percent		
Rating Unit						5/29/2009	6/3/2009	6/3/2009	6/3/2009	6/11/2009	6/11/2009		
Rating Date						8 DA-A	13 DA-A	13 DA-A	13 DA-A	21 DA-A	21 DA-A		
Trt-Eval Interval						0	0	0	0	0	0		
# Subsamples, Dec.						0	0	0	0	0	0		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code						
10	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	0	0	0	98	0	0
10	AMS		WG	17	lb/100 gal	2" weeds	A						
10	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
10	UpBeet	50	DG	0.5	oz/a	+4" wds	B						
10	AMS		WG	17	lb/100 gal	+4" wds	B						
11	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	0	0	0	97	0	0
11	AMS		WG	17	lb/100 gal	2" weeds	A						
11	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
11	UpBeet	50	DG	0.5	oz/a	+4" wds	B						
11	Herbimax (COC)		L	1	% v/v	+4" wds	B						
11	AMS		WG	17	lb/100 gal	+4" wds	B						
12	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	0	0	0	98	0	0
12	AMS		WG	17	lb/100 gal	2" weeds	A						
12	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
12	UpBeet	50	DG	0.5	oz/a	+4" wds	B						
12	Destiny HC		L	0.5	% v/v	+4" wds	B						
12	AMS		WG	17	lb/100 gal	+4" wds	B						
13	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	0	0	0	97	0	0
13	AMS		WG	17	lb/100 gal	2" weeds	A						
13	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
13	UpBeet	50	DG	1	oz/a	+4" wds	B						
13	AMS		WG	17	lb/100 gal	+4" wds	B						
14	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	0	0	0	99	0	0
14	AMS		WG	17	lb/100 gal	2" weeds	A						
14	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
14	Stinger	3	L	1	fl oz/a	+4" wds	B						
14	AMS		WG	17	lb/100 gal	+4" wds	B						
15	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	0	0	0	98	0	0
15	AMS		WG	17	lb/100 gal	2" weeds	A						
15	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
15	Stinger	3	L	2	fl oz/a	+4" wds	B						
15	AMS		WG	17	lb/100 gal	+4" wds	B						
16	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	0	0	0	97	0	0
16	AMS		WG	17	lb/100 gal	2" weeds	A						
16	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
16	Stinger	3	L	4	fl oz/a	+4" wds	B						
16	AMS		WG	17	lb/100 gal	+4" wds	B						
LSD (P=.05)								1.3	1.4	5.6	7.1	0.0	10.0
Standard Deviation								0.9	1.0	3.9	4.9	0.0	7.0
CV								92.19	415.03	12.19	5.34	0.0	24.7

Means followed by same letter do not significantly differ (P=.05, LSD)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Trial ID: SB02-09BB
Conducted: Bean and Beet

Study Dir.: Sprague, Powell
Investigator: Christy Sprague

Weed Code	CHEAL	GLXMA	CHEAL	GLXMA	CHEAL	GLXMA							
Crop Code													
Rating Data Type	control	control	control	control	control	control							
Rating Unit	percent	percent	percent	percent	percent	percent							
Rating Date	6/11/2009	6/22/2009	6/22/2009	8/25/2009	8/25/2009	9/16/2009							
Trt-Eval Interval	21 DA-A	32 DA-A	32 DA-A	96 DA-A	96 DA-A	118 DA-A							
# Subsamples, Dec.	0	0	0	0	0	0							
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	CHEAL	GLXMA	CHEAL	GLXMA	CHEAL	GLXMA
1	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	59	25	99	23	99	15
1	UpBeet	50	DG	0.5	oz/a	2" weeds	A						
1	AMS		WG	17	lb/100 gal	2" weeds	A						
1	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
1	AMS		WG	17	lb/100 gal	+4" wds	B						
2	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	40	43	99	38	99	19
2	UpBeet	50	DG	0.5	oz/a	2" weeds	A						
2	Herbimax (COC)		L	1	% v/v	2" weeds	A						
2	AMS		WG	17	lb/100 gal	2" weeds	A						
2	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
2	AMS		WG	17	lb/100 gal	+4" wds	B						
3	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	69	35	99	48	99	25
3	UpBeet	50	DG	0.5	oz/a	2" weeds	A						
3	Destiny HC		L	0.5	% v/v	2" weeds	A						
3	AMS		WG	17	lb/100 gal	2" weeds	A						
3	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
3	AMS		WG	17	lb/100 gal	+4" wds	B						
4	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	90	35	99	25	99	18
4	UpBeet	50	DG	0.5	oz/a	2" weeds	A						
4	AMS		WG	17	lb/100 gal	2" weeds	A						
4	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
4	UpBeet	50	DG	0.5	oz/a	+4" wds	B						
4	AMS		WG	17	lb/100 gal	+4" wds	B						
5	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	89	18	99	28	99	19
5	UpBeet	50	DG	1	oz/a	2" weeds	A						
5	AMS		WG	17	lb/100 gal	2" weeds	A						
5	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
5	AMS		WG	17	lb/100 gal	+4" wds	B						
6	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	92	88	99	95	99	95
6	Stinger	3	L	1	fl oz/a	2" weeds	A						
6	AMS		WG	17	lb/100 gal	2" weeds	A						
6	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
6	AMS		WG	17	lb/100 gal	+4" wds	B						
7	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	87	93	99	99	99	99
7	Stinger	3	L	2	fl oz/a	2" weeds	A						
7	AMS		WG	17	lb/100 gal	2" weeds	A						
7	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
7	AMS		WG	17	lb/100 gal	+4" wds	B						
8	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	82	98	99	99	99	99
8	Stinger	3	L	4	fl oz/a	2" weeds	A						
8	AMS		WG	17	lb/100 gal	2" weeds	A						
8	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
8	AMS		WG	17	lb/100 gal	+4" wds	B						
9	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	84	0	99	0	99	0
9	AMS		WG	17	lb/100 gal	2" weeds	A						
9	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
9	AMS		WG	17	lb/100 gal	+4" wds	B						

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Weed Code	CHEAL	GLXMA	CHEAL	GLXMA	CHEAL	GLXMA
Crop Code						
Rating Data Type	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent
Rating Date	6/11/2009	6/22/2009	6/22/2009	8/25/2009	8/25/2009	9/16/2009
Trt-Eval Interval	21 DA-A	32 DA-A	32 DA-A	96 DA-A	96 DA-A	118 DA-A
# Subsamples, Dec.	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	CHEAL	GLXMA	CHEAL	GLXMA	CHEAL	GLXMA
10	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	90	25	99	23	99	6
10	AMS		WG	17	lb/100 gal	2" weeds	A						
10	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
10	UpBeet	50	DG	0.5	oz/a	+4" wds	B						
10	AMS		WG	17	lb/100 gal	+4" wds	B						
11	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	89	54	99	45	99	34
11	AMS		WG	17	lb/100 gal	2" weeds	A						
11	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
11	UpBeet	50	DG	0.5	oz/a	+4" wds	B						
11	Herbimax (COC)		L	1	% v/v	+4" wds	B						
11	AMS		WG	17	lb/100 gal	+4" wds	B						
12	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	91	60	99	68	99	38
12	AMS		WG	17	lb/100 gal	2" weeds	A						
12	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
12	UpBeet	50	DG	0.5	oz/a	+4" wds	B						
12	Destiny HC		L	0.5	% v/v	+4" wds	B						
12	AMS		WG	17	lb/100 gal	+4" wds	B						
13	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	91	29	99	48	99	16
13	AMS		WG	17	lb/100 gal	2" weeds	A						
13	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
13	UpBeet	50	DG	1	oz/a	+4" wds	B						
13	AMS		WG	17	lb/100 gal	+4" wds	B						
14	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	96	68	99	86	99	88
14	AMS		WG	17	lb/100 gal	2" weeds	A						
14	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
14	Stinger	3	L	1	fl oz/a	+4" wds	B						
14	AMS		WG	17	lb/100 gal	+4" wds	B						
15	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	87	78	99	99	99	99
15	AMS		WG	17	lb/100 gal	2" weeds	A						
15	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
15	Stinger	3	L	2	fl oz/a	+4" wds	B						
15	AMS		WG	17	lb/100 gal	+4" wds	B						
16	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	81	78	99	99	99	99
16	AMS		WG	17	lb/100 gal	2" weeds	A						
16	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B						
16	Stinger	3	L	4	fl oz/a	+4" wds	B						
16	AMS		WG	17	lb/100 gal	+4" wds	B						
LSD (P=.05)								14.8	11.6	0.0	12.8	0.0	12.6
Standard Deviation								10.3	8.1	0.0	9.0	0.0	8.8
CV								12.55	15.74	0.0	15.58	0.0	18.38

Means followed by same letter do not significantly differ (P=.05, LSD)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code

Crop Code

Rating Data Type

Rating Unit

Rating Date

Trt-Eval Interval

Subsamples, Dec.

BETVU count # / 100'	BETVU % sugar 9/18/2009 120 DA-A	BETVU yield ton/acre 9/18/2009 120 DA-A	BETVU RWST # / ton 9/18/2009 120 DA-A	BETVU RWSA # / acre 9/18/2009 120 DA-A
0	1	1	1	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
1	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	231	19.4	22.6	286.6	6451
1	UpBeet	50	DG	0.5	oz/a	2" weeds	A					
1	AMS		WG	17	lb/100 gal	2" weeds	A					
1	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B					
1	AMS		WG	17	lb/100 gal	+4" wds	B					
2	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	222	20.0	23.5	297.1	6975
2	UpBeet	50	DG	0.5	oz/a	2" weeds	A					
2	Herbimax (COC)		L	1	% v/v	2" weeds	A					
2	AMS		WG	17	lb/100 gal	2" weeds	A					
2	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B					
2	AMS		WG	17	lb/100 gal	+4" wds	B					
3	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	232	19.8	23.2	294.8	6842
3	UpBeet	50	DG	0.5	oz/a	2" weeds	A					
3	Destiny HC		L	0.5	% v/v	2" weeds	A					
3	AMS		WG	17	lb/100 gal	2" weeds	A					
3	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B					
3	AMS		WG	17	lb/100 gal	+4" wds	B					
4	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	230	19.9	22.6	293.4	6621
4	UpBeet	50	DG	0.5	oz/a	2" weeds	A					
4	AMS		WG	17	lb/100 gal	2" weeds	A					
4	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B					
4	UpBeet	50	DG	0.5	oz/a	+4" wds	B					
4	AMS		WG	17	lb/100 gal	+4" wds	B					
5	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	235	19.9	22.1	293.7	6489
5	UpBeet	50	DG	1	oz/a	2" weeds	A					
5	AMS		WG	17	lb/100 gal	2" weeds	A					
5	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B					
5	AMS		WG	17	lb/100 gal	+4" wds	B					
6	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	223	19.8	26.9	292.3	7858
6	Stinger	3	L	1	fl oz/a	2" weeds	A					
6	AMS		WG	17	lb/100 gal	2" weeds	A					
6	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B					
6	AMS		WG	17	lb/100 gal	+4" wds	B					
7	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	232	19.9	27.1	293.5	7947
7	Stinger	3	L	2	fl oz/a	2" weeds	A					
7	AMS		WG	17	lb/100 gal	2" weeds	A					
7	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B					
7	AMS		WG	17	lb/100 gal	+4" wds	B					
8	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	240	19.6	28.8	289.3	8334
8	Stinger	3	L	4	fl oz/a	2" weeds	A					
8	AMS		WG	17	lb/100 gal	2" weeds	A					
8	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B					
8	AMS		WG	17	lb/100 gal	+4" wds	B					
9	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	213	19.6	19.9	286.1	5695
9	AMS		WG	17	lb/100 gal	2" weeds	A					
9	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B					
9	AMS		WG	17	lb/100 gal	+4" wds	B					

MSU Weed Science Research Program

Control of volunteer Roundup Ready soybean in Roundup Ready sugarbeet

Trial ID: SB02-09BB
Conducted: Bean and BeetStudy Dir.: Sprague, Powell
Investigator: Christy Sprague

Weed Code	Crop Code	BETVU count	BETVU % sugar	BETVU yield	BETVU RWST	BETVU RWSA						
Rating Data Type	Rating Unit	# / 100'		ton/acre	# / ton	# / acre						
Rating Date	Trt-Eval Interval	9/18/2009	9/18/2009	9/18/2009	9/18/2009	9/18/2009						
# Subsamples, Dec.		120 DA-A	120 DA-A	120 DA-A	120 DA-A	120 DA-A						
		0	1	1	1	0						
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
10	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	214	19.7	20.6	289.3	5949
10	AMS		WG	17	lb/100 gal	2" weeds	A					
10	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B					
10	UpBeet	50	DG	0.5	oz/a	+4" wds	B					
10	AMS		WG	17	lb/100 gal	+4" wds	B					
11	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	230	19.8	23.7	292.1	7446
11	AMS		WG	17	lb/100 gal	2" weeds	A					
11	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B					
11	UpBeet	50	DG	0.5	oz/a	+4" wds	B					
11	Herbimax (COC)		L	1	% v/v	+4" wds	B					
11	AMS		WG	17	lb/100 gal	+4" wds	B					
12	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	225	19.8	26.4	292.4	7694
12	AMS		WG	17	lb/100 gal	2" weeds	A					
12	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B					
12	UpBeet	50	DG	0.5	oz/a	+4" wds	B					
12	Destiny HC		L	0.5	% v/v	+4" wds	B					
12	AMS		WG	17	lb/100 gal	+4" wds	B					
13	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	225	19.5	20.8	289.4	6029
13	AMS		WG	17	lb/100 gal	2" weeds	A					
13	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B					
13	UpBeet	50	DG	1	oz/a	+4" wds	B					
13	AMS		WG	17	lb/100 gal	+4" wds	B					
14	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	222	19.6	23.7	289.1	6846
14	AMS		WG	17	lb/100 gal	2" weeds	A					
14	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B					
14	Stinger	3	L	1	fl oz/a	+4" wds	B					
14	AMS		WG	17	lb/100 gal	+4" wds	B					
15	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	226	19.7	24.4	291.8	7092
15	AMS		WG	17	lb/100 gal	2" weeds	A					
15	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B					
15	Stinger	3	L	2	fl oz/a	+4" wds	B					
15	AMS		WG	17	lb/100 gal	+4" wds	B					
16	Roundup PowerMax	4.5	L	22	fl oz/a	2" weeds	A	224	19.8	28.7	292.2	8386
16	AMS		WG	17	lb/100 gal	2" weeds	A					
16	Roundup PowerMax	4.5	L	22	fl oz/a	+4" wds	B					
16	Stinger	3	L	4	fl oz/a	+4" wds	B					
16	AMS		WG	17	lb/100 gal	+4" wds	B					
LSD (P=.05)								23.3	0.47	5.47	8.89	1599.4
Standard Deviation								16.3	0.33	3.83	6.22	1119.2
CV								7.19	1.66	15.91	2.13	15.9

Means followed by same letter do not significantly differ (P=.05, LSD)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.