

MSU Weed Science Research Program

Weed control programs in Balance GT soybean - "Stewarded"

Trial ID: SOY10-15 Study Dir.: Sprague, Hill, Powell
 Conducted: Campus C-18 Investigator: Christy Sprague

Date Planted: May/21/2015 Row Spacing: 4 IN
 Variety: BalanceGT No. of Reps: 4
 Population: 150,000 seeds/A % OM: 2.8
 Soil Type: Loam pH: 7.2
 Plot Size: 10 X 30 FT Design: RANDOMIZED COMPLETE BLOCK

Tillage: Fall chisel plow; soil finish twice

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1.	ANGR	mainly foxtail species	SETARIA SP.
2.	CHEAL	LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
3.	AMAPO	AMARANTH, POWELL	AMARANTHUS POWELLII S.WATS.
4.	AMBEL	RAGWEED, COMMON	AMBROSIA ARTEMISIIFOLIA L.
5.	ABUTH	VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.
Crop	Code	Common Name	
1.	GLXMA	SOYBEAN	

Application Description

	A	B
Application Timing:	PRE	POST
Date Treated:	May/21/2015	Jul/06/2015
Time Treated:	11:35 AM	9:10 AM
% Cloud Cover:	40	80
Air Temp., Unit:	52 F	74 F
% Relative Humidity:	62	77
Wind Speed/Unit/Dir:	8 mph W	3 mph S
Soil Temp., Unit:	54 F	68 F
Soil/Leaf Surface M:	3 -	5 5
Soil Moist (1=w 5=d):	3	5

Crop Stage at Each Application

	A	B
Crop Name:	GLXMA	GLXMA
Height (In.):	-	13"
Stage (L):	-	V4

Weed Stage at Each Application

	A	B
Weed 1 Name:	ANGR	ANGR
Height (In.):	-	1-4"
Stage (L):	-	2-6
Weed 2 Name:	CHEAL	CHEAL
Height (In.):	-	-
Stage (L):	-	-
Weed 3 Name:	AMAPO	AMAPO
Height (In.):	-	1.5-3"
Stage (L):	-	6-many
Weed 4 Name:	AMBEL	AMBEL
Height (In.):	-	.5-4"
Stage (L):	-	2-8
Weed 5 Name:	ABUTH	ABUTH
Height (In.):	-	1-2"
Stage (L):	-	1-3

Weed Density (plants/sq. ft.)

	1	2	3	4	5	6
Date:	Jun/09/2015	Jun/09/2015	Jun/09/2015	Jun/09/2015	Jun/09/2015	Jun/09/2015
Weed Name:	ANGR	CHEAL	AMAPO	AMBEL	ABUTH	SINAR
Density:	56	11	<1	47	<1	8

Application Equipment

Appl	Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A	Cub	3.8	AIXR	11003	20"	20"	100"	19	Water	28
B	Cub	3.8	AIXR	11003	30"	20"	100"	19	Water	28

Comments: Trial was destroyed after the 14 days after POST treatment rating.

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Weed Code								GLXMA		ANGR	CHEAL	AMBEL
Crop Code								injury	injury	control	control	control
Rating Data Type								percent	percent	percent	percent	percent
Rating Unit								Jun/11/2015	Jul/02/2015	Jul/02/2015	Jul/02/2015	Jul/02/2015
Rating Date								21 DA-A	42 DA-A	42 DA-A	42 DA-A	42 DA-A
Trt-Eval Interval								0	0	0	0	0
# Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code					
1	Balance Bean	4	L	2	fl oz/a	PRE	A	4	11	94	97	96
1	Metribuzin	75	WG	5.33	oz/a	PRE	A					
1	Liberty	2.34	L	29	fl oz/a	POST	B					
1	AMS		WG	8.5	lb/100 gal	POST	B					
2	Balance Bean	4	L	3	fl oz/a	PRE	A	5	20	96	99	97
2	Metribuzin	75	WG	5.33	oz/a	PRE	A					
2	Liberty	2.34	L	29	fl oz/a	POST	B					
2	AMS		WG	8.5	lb/100 gal	POST	B					
3	Balance Bean	4	L	2	fl oz/a	PRE	A	4	10	95	99	97
3	Metribuzin	75	WG	5.33	oz/a	PRE	A					
3	Liberty	2.34	L	29	fl oz/a	POST	B					
3	Zidua	85	WG	1.5	oz/a	POST	B					
3	AMS		WG	8.5	lb/100 gal	POST	B					
4	Balance Bean	4	L	2	fl oz/a	PRE	A	4	16	99	99	96
4	Metribuzin	75	WG	5.33	oz/a	PRE	A					
4	Zidua	85	WG	1.5	oz/a	PRE	A					
4	Liberty	2.34	L	29	fl oz/a	POST	B					
4	AMS		WG	8.5	lb/100 gal	POST	B					
5	Untreated							0	0	0	0	0
6	Balance Bean	4	L	2	fl oz/a	PRE	A	3	15	96	99	97
6	Authority MTZ	45	WG	14.8	oz/a	PRE	A					
6	Liberty	2.34	L	29	fl oz/a	POST	B					
6	AMS		WG	8.5	lb/100 gal	POST	B					
7	Balance Bean	4	L	2	fl oz/a	PRE	A	10	14	98	99	96
7	Boundary	6.5	L	1.6	pt/a	PRE	A					
7	Liberty	2.34	L	29	fl oz/a	POST	B					
7	AMS		WG	8.5	lb/100 gal	POST	B					
8	Balance Bean	4	L	2	fl oz/a	PRE	A	15	21	98	99	97
8	Valor	51	WG	2	oz/a	PRE	A					
8	Liberty	2.34	L	29	fl oz/a	POST	B					
8	AMS		WG	8.5	lb/100 gal	POST	B					
9	Balance Bean	4	L	3	fl oz/a	PRE	A	5	23	98	99	98
9	Zidua	85	WG	1.5	oz/a	PRE	A					
9	Liberty	2.34	L	29	fl oz/a	POST	B					
9	AMS		WG	8.5	lb/100 gal	POST	B					
10	Balance Bean	4	L	3	fl oz/a	PRE	A	5	21	98	99	97
10	Metribuzin	75	WG	5.33	oz/a	PRE	A					
10	Flexstar GT	2.82	L	3	pt/a	POST	B					
10	Crop oil concentrate		L	1	% v/v	POST	B					
10	AMS		WG	8.5	lb/100 gal	POST	B					
11	Fierce	76	WG	3	oz/a	PRE	A	25	20	99	99	97
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
11	AMS		WG	8.5	lb/100 gal	POST	B					
12	Balance Bean	4	L	3	fl oz/a	PRE	A	5	16	95	99	97
12	Liberty	2.34	L	29	fl oz/a	POST	B					
12	AMS		WG	8.5	lb/100 gal	POST	B					
LSD (P=.05)								1.3	5.8	4.0	1.0	1.5
CV								12.77	25.74	3.12	0.75	1.17

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

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Weed control programs in Balance GT soybean - "Stewarded"

Trial ID: SOY10-15 Study Dir.: Sprague, Hill, Powell
 Conducted: Campus C-18 Investigator: Christy Sprague

Weed Code								ABUTH	SINAR	GLXMA	ANGR	CHEAL
Crop Code								control	control	injury	control	control
Rating Data Type								percent	percent	percent	percent	percent
Rating Unit								Jul/02/2015	Jul/02/2015	Jul/06/2015	Jul/06/2015	Jul/06/2015
Rating Date								42 DA-A	42 DA-A	0 DA-B	0 DA-B	0 DA-B
Trt-Eval Interval								0	0	0	0	0
# Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
1	Balance Bean	4	L	2	fl oz/a	PRE	A	99	99	0	82	92
1	Metribuzin	75	WG	5.33	oz/a	PRE	A					
1	Liberty	2.34	L	29	fl oz/a	POST	B					
1	AMS		WG	8.5	lb/100 gal	POST	B					
2	Balance Bean	4	L	3	fl oz/a	PRE	A	97	99	4	87	97
2	Metribuzin	75	WG	5.33	oz/a	PRE	A					
2	Liberty	2.34	L	29	fl oz/a	POST	B					
2	AMS		WG	8.5	lb/100 gal	POST	B					
3	Balance Bean	4	L	2	fl oz/a	PRE	A	99	99	2	82	99
3	Metribuzin	75	WG	5.33	oz/a	PRE	A					
3	Liberty	2.34	L	29	fl oz/a	POST	B					
3	Zidua	85	WG	1.5	oz/a	POST	B					
3	AMS		WG	8.5	lb/100 gal	POST	B					
4	Balance Bean	4	L	2	fl oz/a	PRE	A	99	99	1	93	99
4	Metribuzin	75	WG	5.33	oz/a	PRE	A					
4	Zidua	85	WG	1.5	oz/a	PRE	A					
4	Liberty	2.34	L	29	fl oz/a	POST	B					
4	AMS		WG	8.5	lb/100 gal	POST	B					
5	Untreated							0	0	0	0	0
6	Balance Bean	4	L	2	fl oz/a	PRE	A	99	99	3	96	99
6	Authority MTZ	45	WG	14.8	oz/a	PRE	A					
6	Liberty	2.34	L	29	fl oz/a	POST	B					
6	AMS		WG	8.5	lb/100 gal	POST	B					
7	Balance Bean	4	L	2	fl oz/a	PRE	A	99	99	2	96	99
7	Boundary	6.5	L	1.6	pt/a	PRE	A					
7	Liberty	2.34	L	29	fl oz/a	POST	B					
7	AMS		WG	8.5	lb/100 gal	POST	B					
8	Balance Bean	4	L	2	fl oz/a	PRE	A	99	99	4	92	99
8	Valor	51	WG	2	oz/a	PRE	A					
8	Liberty	2.34	L	29	fl oz/a	POST	B					
8	AMS		WG	8.5	lb/100 gal	POST	B					
9	Balance Bean	4	L	3	fl oz/a	PRE	A	98	99	8	93	99
9	Zidua	85	WG	1.5	oz/a	PRE	A					
9	Liberty	2.34	L	29	fl oz/a	POST	B					
9	AMS		WG	8.5	lb/100 gal	POST	B					
10	Balance Bean	4	L	3	fl oz/a	PRE	A	99	99	7	86	99
10	Metribuzin	75	WG	5.33	oz/a	PRE	A					
10	Flexstar GT	2.82	L	3	pt/a	POST	B					
10	Crop oil concentrate		L	1	% v/v	POST	B					
10	AMS		WG	8.5	lb/100 gal	POST	B					
11	Fierce	76	WG	3	oz/a	PRE	A	99	99	4	98	99
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
11	AMS		WG	8.5	lb/100 gal	POST	B					
12	Balance Bean	4	L	3	fl oz/a	PRE	A	99	99	7	87	98
12	Liberty	2.34	L	29	fl oz/a	POST	B					
12	AMS		WG	8.5	lb/100 gal	POST	B					
LSD (P=.05)								2.0	0.0	4.1	7.1	3.0
CV								1.56	0.0	85.65	5.92	2.32

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

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Weed Code								AMAPO	AMBEL	ABUTH	SINAR	GLXMA
Crop Code												
Rating Data Type								control	control	control	control	injury
Rating Unit								percent	percent	percent	percent	percent
Rating Date								Jul/06/2015	Jul/06/2015	Jul/06/2015	Jul/06/2015	Jul/13/2015
Trt-Eval Interval								0 DA-B	0 DA-B	0 DA-B	0 DA-B	7 DA-B
# Subsamples, Dec.								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
1	Balance Bean	4	L	2	fl oz/a	PRE	A	88	86	99	99	0
1	Metribuzin	75	WG	5.33	oz/a	PRE	A					
1	Liberty	2.34	L	29	fl oz/a	POST	B					
1	AMS		WG	8.5	lb/100 gal	POST	B					
2	Balance Bean	4	L	3	fl oz/a	PRE	A	96	91	98	98	2
2	Metribuzin	75	WG	5.33	oz/a	PRE	A					
2	Liberty	2.34	L	29	fl oz/a	POST	B					
2	AMS		WG	8.5	lb/100 gal	POST	B					
3	Balance Bean	4	L	2	fl oz/a	PRE	A	96	89	99	99	3
3	Metribuzin	75	WG	5.33	oz/a	PRE	A					
3	Liberty	2.34	L	29	fl oz/a	POST	B					
3	Zidua	85	WG	1.5	oz/a	POST	B					
3	AMS		WG	8.5	lb/100 gal	POST	B					
4	Balance Bean	4	L	2	fl oz/a	PRE	A	99	92	99	99	0
4	Metribuzin	75	WG	5.33	oz/a	PRE	A					
4	Zidua	85	WG	1.5	oz/a	PRE	A					
4	Liberty	2.34	L	29	fl oz/a	POST	B					
4	AMS		WG	8.5	lb/100 gal	POST	B					
5	Untreated							0	0	0	0	0
6	Balance Bean	4	L	2	fl oz/a	PRE	A	99	90	99	99	1
6	Authority MTZ	45	WG	14.8	oz/a	PRE	A					
6	Liberty	2.34	L	29	fl oz/a	POST	B					
6	AMS		WG	8.5	lb/100 gal	POST	B					
7	Balance Bean	4	L	2	fl oz/a	PRE	A	98	91	99	98	1
7	Boundary	6.5	L	1.6	pt/a	PRE	A					
7	Liberty	2.34	L	29	fl oz/a	POST	B					
7	AMS		WG	8.5	lb/100 gal	POST	B					
8	Balance Bean	4	L	2	fl oz/a	PRE	A	99	92	99	99	2
8	Valor	51	WG	2	oz/a	PRE	A					
8	Liberty	2.34	L	29	fl oz/a	POST	B					
8	AMS		WG	8.5	lb/100 gal	POST	B					
9	Balance Bean	4	L	3	fl oz/a	PRE	A	99	93	99	99	6
9	Zidua	85	WG	1.5	oz/a	PRE	A					
9	Liberty	2.34	L	29	fl oz/a	POST	B					
9	AMS		WG	8.5	lb/100 gal	POST	B					
10	Balance Bean	4	L	3	fl oz/a	PRE	A	98	92	99	99	11
10	Metribuzin	75	WG	5.33	oz/a	PRE	A					
10	Flexstar GT	2.82	L	3	pt/a	POST	B					
10	Crop oil concentrate		L	1	% v/v	POST	B					
10	AMS		WG	8.5	lb/100 gal	POST	B					
11	Fierce	76	WG	3	oz/a	PRE	A	99	92	99	99	2
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
11	AMS		WG	8.5	lb/100 gal	POST	B					
12	Balance Bean	4	L	3	fl oz/a	PRE	A	98	90	99	99	3
12	Liberty	2.34	L	29	fl oz/a	POST	B					
12	AMS		WG	8.5	lb/100 gal	POST	B					
LSD (P=.05)								5.7	5.9	1.0	1.1	2.6
CV								4.41	4.96	0.73	0.88	71.77

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

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								ANGR	CHEAL	AMAPO	AMBEL	ABUTH
Weed Code												
Crop Code												
Rating Data Type								control	control	control	control	control
Rating Unit								percent	percent	percent	percent	percent
Rating Date								Jul/13/2015	Jul/13/2015	Jul/13/2015	Jul/13/2015	Jul/13/2015
Trt-Eval Interval								7 DA-B	7 DA-B	7 DA-B	7 DA-B	7 DA-B
# Subsamples, Dec.								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
1	Balance Bean	4	L	2	fl oz/a	PRE	A	91	99	99	98	98
1	Metribuzin	75	WG	5.33	oz/a	PRE	A					
1	Liberty	2.34	L	29	fl oz/a	POST	B					
1	AMS		WG	8.5	lb/100 gal	POST	B					
2	Balance Bean	4	L	3	fl oz/a	PRE	A	87	98	99	98	98
2	Metribuzin	75	WG	5.33	oz/a	PRE	A					
2	Liberty	2.34	L	29	fl oz/a	POST	B					
2	AMS		WG	8.5	lb/100 gal	POST	B					
3	Balance Bean	4	L	2	fl oz/a	PRE	A	93	99	99	99	99
3	Metribuzin	75	WG	5.33	oz/a	PRE	A					
3	Liberty	2.34	L	29	fl oz/a	POST	B					
3	Zidua	85	WG	1.5	oz/a	POST	B					
3	AMS		WG	8.5	lb/100 gal	POST	B					
4	Balance Bean	4	L	2	fl oz/a	PRE	A	93	99	99	98	99
4	Metribuzin	75	WG	5.33	oz/a	PRE	A					
4	Zidua	85	WG	1.5	oz/a	PRE	A					
4	Liberty	2.34	L	29	fl oz/a	POST	B					
4	AMS		WG	8.5	lb/100 gal	POST	B					
5	Untreated							0	0	0	0	0
6	Balance Bean	4	L	2	fl oz/a	PRE	A	91	99	99	98	99
6	Authority MTZ	45	WG	14.8	oz/a	PRE	A					
6	Liberty	2.34	L	29	fl oz/a	POST	B					
6	AMS		WG	8.5	lb/100 gal	POST	B					
7	Balance Bean	4	L	2	fl oz/a	PRE	A	94	97	99	98	99
7	Boundary	6.5	L	1.6	pt/a	PRE	A					
7	Liberty	2.34	L	29	fl oz/a	POST	B					
7	AMS		WG	8.5	lb/100 gal	POST	B					
8	Balance Bean	4	L	2	fl oz/a	PRE	A	87	99	99	98	99
8	Valor	51	WG	2	oz/a	PRE	A					
8	Liberty	2.34	L	29	fl oz/a	POST	B					
8	AMS		WG	8.5	lb/100 gal	POST	B					
9	Balance Bean	4	L	3	fl oz/a	PRE	A	88	99	99	98	99
9	Zidua	85	WG	1.5	oz/a	PRE	A					
9	Liberty	2.34	L	29	fl oz/a	POST	B					
9	AMS		WG	8.5	lb/100 gal	POST	B					
10	Balance Bean	4	L	3	fl oz/a	PRE	A	99	99	99	99	99
10	Metribuzin	75	WG	5.33	oz/a	PRE	A					
10	Flexstar GT	2.82	L	3	pt/a	POST	B					
10	Crop oil concentrate		L	1	% v/v	POST	B					
10	AMS		WG	8.5	lb/100 gal	POST	B					
11	Fierce	76	WG	3	oz/a	PRE	A	94	99	99	99	99
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
11	AMS		WG	8.5	lb/100 gal	POST	B					
12	Balance Bean	4	L	3	fl oz/a	PRE	A	86	99	99	97	99
12	Liberty	2.34	L	29	fl oz/a	POST	B					
12	AMS		WG	8.5	lb/100 gal	POST	B					
LSD (P=.05)								8.0	1.5	0.2	1.4	1.0
CV								6.63	1.15	0.16	1.1	0.76

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

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Weed Code								SINAR	GLXMA	ANGR	CHEAL	AMAPO
Crop Code								control	injury	control	control	control
Rating Data Type								percent	percent	percent	percent	percent
Rating Unit								Jul/13/2015	Jul/20/2015	Jul/20/2015	Jul/20/2015	Jul/20/2015
Rating Date								7 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B
Trt-Eval Interval								0	0	0	0	0
# Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code					
1	Balance Bean	4	L	2	fl oz/a	PRE	A	98	0	92	99	99
1	Metribuzin	75	WG	5.33	oz/a	PRE	A					
1	Liberty	2.34	L	29	fl oz/a	POST	B					
1	AMS		WG	8.5	lb/100 gal	POST	B					
2	Balance Bean	4	L	3	fl oz/a	PRE	A	98	4	90	99	99
2	Metribuzin	75	WG	5.33	oz/a	PRE	A					
2	Liberty	2.34	L	29	fl oz/a	POST	B					
2	AMS		WG	8.5	lb/100 gal	POST	B					
3	Balance Bean	4	L	2	fl oz/a	PRE	A	97	2	99	99	99
3	Metribuzin	75	WG	5.33	oz/a	PRE	A					
3	Liberty	2.34	L	29	fl oz/a	POST	B					
3	Zidua	85	WG	1.5	oz/a	POST	B					
3	AMS		WG	8.5	lb/100 gal	POST	B					
4	Balance Bean	4	L	2	fl oz/a	PRE	A	97	1	95	98	99
4	Metribuzin	75	WG	5.33	oz/a	PRE	A					
4	Zidua	85	WG	1.5	oz/a	PRE	A					
4	Liberty	2.34	L	29	fl oz/a	POST	B					
4	AMS		WG	8.5	lb/100 gal	POST	B					
5	Untreated							0	0	0	0	0
6	Balance Bean	4	L	2	fl oz/a	PRE	A	96	0	92	99	99
6	Authority MTZ	45	WG	14.8	oz/a	PRE	A					
6	Liberty	2.34	L	29	fl oz/a	POST	B					
6	AMS		WG	8.5	lb/100 gal	POST	B					
7	Balance Bean	4	L	2	fl oz/a	PRE	A	98	2	96	98	99
7	Boundary	6.5	L	1.6	pt/a	PRE	A					
7	Liberty	2.34	L	29	fl oz/a	POST	B					
7	AMS		WG	8.5	lb/100 gal	POST	B					
8	Balance Bean	4	L	2	fl oz/a	PRE	A	97	0	89	99	99
8	Valor	51	WG	2	oz/a	PRE	A					
8	Liberty	2.34	L	29	fl oz/a	POST	B					
8	AMS		WG	8.5	lb/100 gal	POST	B					
9	Balance Bean	4	L	3	fl oz/a	PRE	A	97	6	91	99	99
9	Zidua	85	WG	1.5	oz/a	PRE	A					
9	Liberty	2.34	L	29	fl oz/a	POST	B					
9	AMS		WG	8.5	lb/100 gal	POST	B					
10	Balance Bean	4	L	3	fl oz/a	PRE	A	99	7	99	99	99
10	Metribuzin	75	WG	5.33	oz/a	PRE	A					
10	Flexstar GT	2.82	L	3	pt/a	POST	B					
10	Crop oil concentrate		L	1	% v/v	POST	B					
10	AMS		WG	8.5	lb/100 gal	POST	B					
11	Fierce	76	WG	3	oz/a	PRE	A	98	0	95	99	99
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
11	AMS		WG	8.5	lb/100 gal	POST	B					
12	Balance Bean	4	L	3	fl oz/a	PRE	A	97	2	90	99	99
12	Liberty	2.34	L	29	fl oz/a	POST	B					
12	AMS		WG	8.5	lb/100 gal	POST	B					
LSD (P=.05)								2.3	2.3	3.8	1.2	0.2
CV								1.82	84.25	3.11	0.93	0.16

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

MSU Weed Science Research Program

Weed control programs in Balance GT soybean - "Stewarded"

Trial ID: SOY10-15 Study Dir.: Sprague, Hill, Powell
 Conducted: Campus C-18 Investigator: Christy Sprague

								AMBEL	ABUTH	SINAR
Weed Code										
Crop Code										
Rating Data Type								control	control	control
Rating Unit								percent	percent	percent
Rating Date								Jul/20/2015	Jul/20/2015	Jul/20/2015
Trt-Eval Interval								14 DA-B	14 DA-B	14 DA-B
# Subsamples, Dec.								0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code			
1	Balance Bean	4	L	2	fl oz/a	PRE	A	98	98	99
1	Metribuzin	75	WG	5.33	oz/a	PRE	A			
1	Liberty	2.34	L	29	fl oz/a	POST	B			
1	AMS		WG	8.5	lb/100 gal	POST	B			
2	Balance Bean	4	L	3	fl oz/a	PRE	A	98	98	99
2	Metribuzin	75	WG	5.33	oz/a	PRE	A			
2	Liberty	2.34	L	29	fl oz/a	POST	B			
2	AMS		WG	8.5	lb/100 gal	POST	B			
3	Balance Bean	4	L	2	fl oz/a	PRE	A	99	99	99
3	Metribuzin	75	WG	5.33	oz/a	PRE	A			
3	Liberty	2.34	L	29	fl oz/a	POST	B			
3	Zidua	85	WG	1.5	oz/a	POST	B			
3	AMS		WG	8.5	lb/100 gal	POST	B			
4	Balance Bean	4	L	2	fl oz/a	PRE	A	98	99	99
4	Metribuzin	75	WG	5.33	oz/a	PRE	A			
4	Zidua	85	WG	1.5	oz/a	PRE	A			
4	Liberty	2.34	L	29	fl oz/a	POST	B			
4	AMS		WG	8.5	lb/100 gal	POST	B			
5	Untreated							0	0	0
6	Balance Bean	4	L	2	fl oz/a	PRE	A	98	98	99
6	Authority MTZ	45	WG	14.8	oz/a	PRE	A			
6	Liberty	2.34	L	29	fl oz/a	POST	B			
6	AMS		WG	8.5	lb/100 gal	POST	B			
7	Balance Bean	4	L	2	fl oz/a	PRE	A	97	99	98
7	Boundary	6.5	L	1.6	pt/a	PRE	A			
7	Liberty	2.34	L	29	fl oz/a	POST	B			
7	AMS		WG	8.5	lb/100 gal	POST	B			
8	Balance Bean	4	L	2	fl oz/a	PRE	A	98	98	99
8	Valor	51	WG	2	oz/a	PRE	A			
8	Liberty	2.34	L	29	fl oz/a	POST	B			
8	AMS		WG	8.5	lb/100 gal	POST	B			
9	Balance Bean	4	L	3	fl oz/a	PRE	A	99	99	99
9	Zidua	85	WG	1.5	oz/a	PRE	A			
9	Liberty	2.34	L	29	fl oz/a	POST	B			
9	AMS		WG	8.5	lb/100 gal	POST	B			
10	Balance Bean	4	L	3	fl oz/a	PRE	A	99	99	99
10	Metribuzin	75	WG	5.33	oz/a	PRE	A			
10	Flexstar GT	2.82	L	3	pt/a	POST	B			
10	Crop oil concentrate		L	1	% v/v	POST	B			
10	AMS		WG	8.5	lb/100 gal	POST	B			
11	Fierce	76	WG	3	oz/a	PRE	A	99	99	98
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B			
11	AMS		WG	8.5	lb/100 gal	POST	B			
12	Balance Bean	4	L	3	fl oz/a	PRE	A	98	99	99
12	Liberty	2.34	L	29	fl oz/a	POST	B			
12	AMS		WG	8.5	lb/100 gal	POST	B			
LSD (P=.05)								1.5	1.3	1.2
CV								1.17	1.0	0.91

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