

Weed Control in Non-GMO Soybean

Trial ID: SOY05-08
 Conducted: T-10 West

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Date Planted: 5/8/08
 Variety: Pioneer 92M33
 Population: 155,000 seeds/Acre
 Soil Type: Sandy loam
 Plot Size: 10 X 35 FT

Row Spacing: 30 IN
 No. of Reps: 4
 % OM: 2.7
 pH: 7.1
 Design: RANDOMIZED COMPLETE BLOCK

Tillage: Fall chisel plow, soil finish x2 on 5/8/08
 Fertilizer: None at planting

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1.	AMBEL	RAGWEED, COMMON	AMBROSIA ARTEMISIFOLIA L.
2.	CHEAL	LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
3.	ABUTH	VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.
4.	ANGR	mainly foxtail species	SETARIA SP.
5.	AMASS	REDROOT PIGWEED, POWELL AMARANTH	AMARANTHUS SP.
6.	BRAKA	MUSTARD, WILD	BRASSICA KABER
Crop	Code	Common Name	
1.	GLXMA	SOYBEAN	

Application Description

	A	B
Application Timing:	PRE	POST
Date Treated:	5/8/08	6/17/08
Time Treated:	6:30 PM	10:15 AM
% Cloud Cover:	95	50
Air Temp., Unit:	56 F	66 F
% Relative Humidity:	49	59
Wind Speed/Unit/Dir:	6 mph E	4 mph W
Soil Temp., Unit:	61 F	62 F
Soil/Leaf Surface M:	5 -	5 5
Soil Moist (1=w 5=d):	5	4

Crop Stage at Each Application

	A	B
Crop Name:	GLXMA	GLXMA
Height (In.):	--	5-8
Stage (L):	--	V2

Weed Stage at Each Application

	A	B
Weed 1 Name:	AMBEL	AMBEL
Height (In.):	--	3-8
Stage (L):	--	many
Weed 2 Name:	CHEAL	CHEAL
Height (In.):	--	2-6
Stage (L):	--	4-many
Weed 3 Name:	ABUTH	ABUTH
Height (In.):	--	2-5
Stage (L):	--	4
Weed 4 Name:	ANGR	ANGR
Height (In.):	--	2-16
Stage (L):	--	2
Weed 5 Name:	AMASS	AMASS
Height (In.):	-	-
Stage (L):	-	-
Weed 6 Name:	BRAKA	BRAKA
Height (In.):	-	-
Stage (L):	-	-

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Weed Density (plants/sq. ft.)

	1	2	3	4	5
Date:	7/25/08	7/25/08	7/25/08	7/25/08	7/25/08
Weed Name:	CHEAL	ANGR	AMBEL	AMAPO	BRAKA
Density:	5	137.5	15.25	0.875	0.5

Application Equipment

Appl	Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A	Cub	3.8	AirMix	11003	24	20	100	19	water	28
B	Cub	3.8	AirMix	11003	26	20	100	19	water	28

Comments: Previous Crop- Fallow

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Weed Code								ANGR	CHEAL	AMBEL
Crop Code								GLXMA		
Rating Data Type								Injury	Control	Control
Rating Unit								Percent	Percent	Percent
Rating Date								6/12/08	6/12/08	6/12/08
Trt-Eval Interval								35 DA-A	35 DA-A	35 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
1	Valor XLT	40.3	DG	4	oz/a	PRE	A	15	61	96	73
1	Prowl H2O	3.8	L	2	pt/a	PRE	A				
1	Cobra	2	L	6	fl oz/a	POST	B				
1	SelectMax	0.97	L	10	fl oz/a	POST	B				
1	Crop Oil Concentrate		L	0.5	% v/v	POST	B				
1	AMS		WG	8.5	lb/100 gal	POST	B				
2	Pursuit Plus	2.9	L	2.5	pt/a	PRE	A	0	80	99	67
2	Ultra Blazer	2	L	1.5	pt/a	POST	B				
2	Targa	0.88	L	8	fl oz/a	POST	B				
2	Crop Oil Concentrate		L	1	% v/v	POST	B				
2	AMS		WG	8.5	lb/100 gal	POST	B				
3	Envive (3.5 oz/A)							8	44	97	79
3	Classic	25	DF	1.28	oz/a	PRE	A				
3	Harmony SG	50	DF	0.208	oz/a	PRE	A				
3	Valor SX	51	WG	2	oz/a	PRE	A				
3	Flexstar	1.88	L	1	pt/a	POST	B				
3	Assure II	0.88	L	8	fl oz/a	POST	B				
3	Crop Oil Concentrate		L	1	% v/v	POST	B				
3	AMS		WG	8.5	lb/100 gal	POST	B				
4	Gangster (3.6 oz/A)							15	61	99	88
4	Valor SX	51	WG	3	oz/a	PRE	A				
4	First Rate	84	DG	0.6	oz/a	PRE	A				
4	Prowl H2O	3.8	L	2	pt/a	PRE	A				
4	Flexstar	1.88	L	0.5	pt/a	POST	B				
4	Assure II	0.88	L	8	fl oz/a	POST	B				
4	Crop Oil Concentrate		L	1	% v/v	POST	B				
4	AMS		WG	8.5	lb/100 gal	POST	B				
5	Boundary	6.5	EC	2.4	pt/a	PRE	A	0	60	51	40
5	Raptor	1	L	5	fl oz/a	POST	B				
5	Crop Oil Concentrate		L	1	% v/v	POST	B				
5	AMS		WG	8.5	lb/100 gal	POST	B				
6	Python	80	DG	0.8	oz/a	PRE	A	0	70	99	81
6	Sencor	75	DF	8	oz/a	PRE	A				
6	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A				
6	Cobra	2	L	4	fl oz/a	POST	B				
6	Targa	0.88	L	8	fl oz/a	POST	B				
6	Crop Oil Concentrate		L	0.5	% v/v	POST	B				
6	AMS		WG	8.5	lb/100 gal	POST	B				
7	Pursuit Plus	2.9	L	2.5	pt/a	PRE	A	0	83	99	77
7	Sencor	75	DF	5	oz/a	PRE	A				
7	FirstRate	84	WG	0.3	oz/a	POST	B				
7	SelectMax	0.97	L	9	fl oz/a	POST	B				
7	Activator 90		L	0.25	% v/v	POST	B				
7	AMS		WG	8.5	lb/100 gal	POST	B				

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Weed Code								ANGR	CHEAL	AMBEL
Crop Code								GLXMA		
Rating Data Type								Injury	Control	Control
Rating Unit								Percent	Percent	Percent
Rating Date								6/12/08	6/12/08	6/12/08
Trt-Eval Interval								35 DA-A	35 DA-A	35 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
8	Boundary	6.5	EC	1.5	pt/a	PRE	A	3	80	99	75
8	Authority Assist	4	L	12	oz/a	PRE	A				
8	Ultra Blazer	2	L	1	pt/a	POST	B				
8	Assure II	0.88	L	8	fl oz/a	POST	B				
8	Crop Oil Concentrate		L	1	% v/v	POST	B				
8	AMS		WG	8.5	lb/100 gal	POST	B				
9	Boundary	6.5	EC	1.25	pt/a	PRE	A	0	66	55	65
9	Prefix	5.29	L	2	pt/a	PRE	A				
9	Synchrony XP	28.4	SG	0.375	oz/a	POST	B				
9	Assure II	0.88	L	7	fl oz/a	POST	B				
9	Activator 90		L	0.25	% v/v	POST	B				
9	AMS		WG	8.5	lb/100 gal	POST	B				
10	Envive (4.0 oz/A)							15	55	98	74
10	Classic	25	DF	1.46	oz/a	PRE	A				
10	Harmony SG	50	DF	0.238	oz/a	PRE	A				
10	Valor SX	51	WG	2.28	oz/a	PRE	A				
10	Prowl H2O	3.8	L	2	pt/a	PRE	A				
10	Flexstar	1.88	L	1	pt/a	POST	B				
10	Assure II	0.88	L	8	fl oz/a	POST	B				
10	Crop Oil Concentrate		L	1	% v/v	POST	B				
10	AMS		WG	8.5	lb/100 gal	POST	B				
11	Canopy	75	DF	4	oz/a	PRE	A	0	63	97	69
11	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A				
11	Flexstar	1.88	L	12	fl oz/a	POST	B				
11	Select	2	L	7	fl oz/a	POST	B				
11	Crop Oil Concentrate		L	1	% v/v	POST	B				
11	AMS		WG	8.5	lb/100 gal	POST	B				
12	Authority First	70	DF	5	oz/a	PRE	A	0	65	99	66
12	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A				
12	Cobra	2	L	6	fl oz/a	POST	B				
12	SelectMax	0.97	L	10	fl oz/a	POST	B				
12	Crop Oil Concentrate		L	0.5	% v/v	POST	B				
12	AMS		WG	8.5	lb/100 gal	POST	B				
13	Authority MTZ	45	DF	16	oz/a	PRE	A	1	71	99	43
13	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A				
13	Cobra	2	L	8	fl oz/a	POST	B				
13	Select	2	L	7	fl oz/a	POST	B				
13	Crop Oil Concentrate		L	0.5	% v/v	POST	B				
13	AMS		WG	8.5	lb/100 gal	POST	B				
14	Authority Assist	4	L	12	oz/a	PRE	A	5	74	99	71
14	FirstRate	84	WG	0.3	oz/a	POST	B				
14	Targa	0.88	L	7	fl oz/a	POST	B				
14	Activator 90		L	0.25	% v/v	POST	B				
14	AMS		WG	8.5	lb/100 gal	POST	B				

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Crop Code					GLXMA		
Rating Data Type					Injury	Control	Control
Rating Unit					Percent	Percent	Percent
Rating Date					6/12/08	6/12/08	6/12/08
Trt-Eval Interval					35 DA-A	35 DA-A	35 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code				
15	Untreated					PRE	A	0	0	0	0

LSD (P=.10)						4.3	10.3	6.7	13.7
Standard Deviation						3.6	8.7	5.6	11.5
CV						88.96	13.96	6.57	17.87

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Weed Code	AMAPO	ABUTH	BRAKA	GLXMA
Crop Code				
Rating Data Type	Control	Control	Control	Injury
Rating Unit	Percent	Percent	Percent	Percent
Rating Date	6/12/08	6/12/08	6/12/08	6/30/08
Trt-Eval Interval	35 DA-A	35 DA-A	35 DA-A	53 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	AMAPO	ABUTH	BRAKA	GLXMA
1	Valor XLT	40.3	DG	4	oz/a	PRE	A	97	99	99	10
1	Prowl H2O	3.8	L	2	pt/a	PRE	A				
1	Cobra	2	L	6	fl oz/a	POST	B				
1	SelectMax	0.97	L	10	fl oz/a	POST	B				
1	Crop Oil Concentrate		L	0.5	% v/v	POST	B				
1	AMS		WG	8.5	lb/100 gal	POST	B				
2	Pursuit Plus	2.9	L	2.5	pt/a	PRE	A	99	99	99	15
2	Ultra Blazer	2	L	1.5	pt/a	POST	B				
2	Targa	0.88	L	8	fl oz/a	POST	B				
2	Crop Oil Concentrate		L	1	% v/v	POST	B				
2	AMS		WG	8.5	lb/100 gal	POST	B				
3	Envive (3.5 oz/A)							99	94	99	8
3	Classic	25	DF	1.28	oz/a	PRE	A				
3	Harmony SG	50	DF	0.208	oz/a	PRE	A				
3	Valor SX	51	WG	2	oz/a	PRE	A				
3	Flexstar	1.88	L	1	pt/a	POST	B				
3	Assure II	0.88	L	8	fl oz/a	POST	B				
3	Crop Oil Concentrate		L	1	% v/v	POST	B				
3	AMS		WG	8.5	lb/100 gal	POST	B				
4	Gangster (3.6 oz/A)							99	99	99	6
4	Valor SX	51	WG	3	oz/a	PRE	A				
4	First Rate	84	DG	0.6	oz/a	PRE	A				
4	Prowl H2O	3.8	L	2	pt/a	PRE	A				
4	Flexstar	1.88	L	0.5	pt/a	POST	B				
4	Assure II	0.88	L	8	fl oz/a	POST	B				
4	Crop Oil Concentrate		L	1	% v/v	POST	B				
4	AMS		WG	8.5	lb/100 gal	POST	B				
5	Boundary	6.5	EC	2.4	pt/a	PRE	A	75	64	75	11
5	Raptor	1	L	5	fl oz/a	POST	B				
5	Crop Oil Concentrate		L	1	% v/v	POST	B				
5	AMS		WG	8.5	lb/100 gal	POST	B				
6	Python	80	DG	0.8	oz/a	PRE	A	99	99	99	9
6	Sencor	75	DF	8	oz/a	PRE	A				
6	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A				
6	Cobra	2	L	4	fl oz/a	POST	B				
6	Targa	0.88	L	8	fl oz/a	POST	B				
6	Crop Oil Concentrate		L	0.5	% v/v	POST	B				
6	AMS		WG	8.5	lb/100 gal	POST	B				
7	Pursuit Plus	2.9	L	2.5	pt/a	PRE	A	99	99	99	2
7	Sencor	75	DF	5	oz/a	PRE	A				
7	FirstRate	84	WG	0.3	oz/a	POST	B				
7	SelectMax	0.97	L	9	fl oz/a	POST	B				
7	Activator 90		L	0.25	% v/v	POST	B				
7	AMS		WG	8.5	lb/100 gal	POST	B				

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Crop Code				
Rating Data Type	Control	Control	Control	Injury
Rating Unit	Percent	Percent	Percent	Percent
Rating Date	6/12/08	6/12/08	6/12/08	6/30/08
Trt-Eval Interval	35 DA-A	35 DA-A	35 DA-A	53 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	AMAPO	ABUTH	BRAKA	GLXMA
8	Boundary	6.5	EC	1.5	pt/a	PRE	A	99	93	98	18
8	Authority Assist	4	L	12	oz/a	PRE	A				
8	Ultra Blazer	2	L	1	pt/a	POST	B				
8	Assure II	0.88	L	8	fl oz/a	POST	B				
8	Crop Oil Concentrate		L	1	% v/v	POST	B				
8	AMS		WG	8.5	lb/100 gal	POST	B				
9	Boundary	6.5	EC	1.25	pt/a	PRE	A	90	73	96	10
9	Prefix	5.29	L	2	pt/a	PRE	A				
9	Synchrony XP	28.4	SG	0.375	oz/a	POST	B				
9	Assure II	0.88	L	7	fl oz/a	POST	B				
9	Activator 90		L	0.25	% v/v	POST	B				
9	AMS		WG	8.5	lb/100 gal	POST	B				
10	Envive (4.0 oz/A)							99	99	99	10
10	Classic	25	DF	1.46	oz/a	PRE	A				
10	Harmony SG	50	DF	0.238	oz/a	PRE	A				
10	Valor SX	51	WG	2.28	oz/a	PRE	A				
10	Prowl H2O	3.8	L	2	pt/a	PRE	A				
10	Flexstar	1.88	L	1	pt/a	POST	B				
10	Assure II	0.88	L	8	fl oz/a	POST	B				
10	Crop Oil Concentrate		L	1	% v/v	POST	B				
10	AMS		WG	8.5	lb/100 gal	POST	B				
11	Canopy	75	DF	4	oz/a	PRE	A	97	99	99	6
11	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A				
11	Flexstar	1.88	L	12	fl oz/a	POST	B				
11	Select	2	L	7	fl oz/a	POST	B				
11	Crop Oil Concentrate		L	1	% v/v	POST	B				
11	AMS		WG	8.5	lb/100 gal	POST	B				
12	Authority First	70	DF	5	oz/a	PRE	A	99	99	99	10
12	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A				
12	Cobra	2	L	6	fl oz/a	POST	B				
12	SelectMax	0.97	L	10	fl oz/a	POST	B				
12	Crop Oil Concentrate		L	0.5	% v/v	POST	B				
12	AMS		WG	8.5	lb/100 gal	POST	B				
13	Authority MTZ	45	DF	16	oz/a	PRE	A	99	97	80	10
13	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A				
13	Cobra	2	L	8	fl oz/a	POST	B				
13	Select	2	L	7	fl oz/a	POST	B				
13	Crop Oil Concentrate		L	0.5	% v/v	POST	B				
13	AMS		WG	8.5	lb/100 gal	POST	B				
14	Authority Assist	4	L	12	oz/a	PRE	A	99	97	94	0
14	FirstRate	84	WG	0.3	oz/a	POST	B				
14	Targa	0.88	L	7	fl oz/a	POST	B				
14	Activator 90		L	0.25	% v/v	POST	B				
14	AMS		WG	8.5	lb/100 gal	POST	B				

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Crop Code				GLXMA
Rating Data Type	Control	Control	Control	Injury
Rating Unit	Percent	Percent	Percent	Percent
Rating Date	6/12/08	6/12/08	6/12/08	6/30/08
Trt-Eval Interval	35 DA-A	35 DA-A	35 DA-A	53 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code				
15	Untreated					PRE	A	0	0	0	0

LSD (P=.10)	4.7	8.5	9.2	5.7
Standard Deviation	4.0	7.1	7.7	3.2
CV	4.42	8.19	8.68	39.58

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Crop Code				
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Date	6/30/08	6/30/08	6/30/08	6/30/08
Trt-Eval Interval	53 DA-A	53 DA-A	53 DA-A	53 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	ANGR	CHEAL	AMBEL	AMAPO
1	Valor XLT	40.3	DG	4	oz/a	PRE	A	95	97	95	99
1	Prowl H2O	3.8	L	2	pt/a	PRE	A				
1	Cobra	2	L	6	fl oz/a	POST	B				
1	SelectMax	0.97	L	10	fl oz/a	POST	B				
1	Crop Oil Concentrate		L	0.5	% v/v	POST	B				
1	AMS		WG	8.5	lb/100 gal	POST	B				
2	Pursuit Plus	2.9	L	2.5	pt/a	PRE	A	91	99	96	99
2	Ultra Blazer	2	L	1.5	pt/a	POST	B				
2	Targa	0.88	L	8	fl oz/a	POST	B				
2	Crop Oil Concentrate		L	1	% v/v	POST	B				
2	AMS		WG	8.5	lb/100 gal	POST	B				
3	Envive (3.5 oz/A)							90	99	97	99
3	Classic	25	DF	1.28	oz/a	PRE	A				
3	Harmony SG	50	DF	0.208	oz/a	PRE	A				
3	Valor SX	51	WG	2	oz/a	PRE	A				
3	Flexstar	1.88	L	1	pt/a	POST	B				
3	Assure II	0.88	L	8	fl oz/a	POST	B				
3	Crop Oil Concentrate		L	1	% v/v	POST	B				
3	AMS		WG	8.5	lb/100 gal	POST	B				
4	Gangster (3.6 oz/A)							95	98	98	99
4	Valor SX	51	WG	3	oz/a	PRE	A				
4	First Rate	84	DG	0.6	oz/a	PRE	A				
4	Prowl H2O	3.8	L	2	pt/a	PRE	A				
4	Flexstar	1.88	L	0.5	pt/a	POST	B				
4	Assure II	0.88	L	8	fl oz/a	POST	B				
4	Crop Oil Concentrate		L	1	% v/v	POST	B				
4	AMS		WG	8.5	lb/100 gal	POST	B				
5	Boundary	6.5	EC	2.4	pt/a	PRE	A	80	80	68	99
5	Raptor	1	L	5	fl oz/a	POST	B				
5	Crop Oil Concentrate		L	1	% v/v	POST	B				
5	AMS		WG	8.5	lb/100 gal	POST	B				
6	Python	80	DG	0.8	oz/a	PRE	A	90	99	99	99
6	Sencor	75	DF	8	oz/a	PRE	A				
6	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A				
6	Cobra	2	L	4	fl oz/a	POST	B				
6	Targa	0.88	L	8	fl oz/a	POST	B				
6	Crop Oil Concentrate		L	0.5	% v/v	POST	B				
6	AMS		WG	8.5	lb/100 gal	POST	B				
7	Pursuit Plus	2.9	L	2.5	pt/a	PRE	A	98	99	70	99
7	Sencor	75	DF	5	oz/a	PRE	A				
7	FirstRate	84	WG	0.3	oz/a	POST	B				
7	SelectMax	0.97	L	9	fl oz/a	POST	B				
7	Activator 90		L	0.25	% v/v	POST	B				
7	AMS		WG	8.5	lb/100 gal	POST	B				

MSU Weed Science Research Program

Weed Control in Non-GMO Soybean

Trial ID: SOY05-08
 Conducted: T-10 West

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Weed Code	ANGR	CHEAL	AMBEL	AMAPO
Crop Code				
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Date	6/30/08	6/30/08	6/30/08	6/30/08
Trt-Eval Interval	53 DA-A	53 DA-A	53 DA-A	53 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
8	Boundary	6.5	EC	1.5	pt/a	PRE	A	98	99	98	99
8	Authority Assist	4	L	12	oz/a	PRE	A				
8	Ultra Blazer	2	L	1	pt/a	POST	B				
8	Assure II	0.88	L	8	fl oz/a	POST	B				
8	Crop Oil Concentrate		L	1	% v/v	POST	B				
8	AMS		WG	8.5	lb/100 gal	POST	B				
9	Boundary	6.5	EC	1.25	pt/a	PRE	A	82	75	91	99
9	Prefix	5.29	L	2	pt/a	PRE	A				
9	Synchrony XP	28.4	SG	0.375	oz/a	POST	B				
9	Assure II	0.88	L	7	fl oz/a	POST	B				
9	Activator 90		L	0.25	% v/v	POST	B				
9	AMS		WG	8.5	lb/100 gal	POST	B				
10	Envive (4.0 oz/A)							90	99	98	99
10	Classic	25	DF	1.46	oz/a	PRE	A				
10	Harmony SG	50	DF	0.238	oz/a	PRE	A				
10	Valor SX	51	WG	2.28	oz/a	PRE	A				
10	Prowl H2O	3.8	L	2	pt/a	PRE	A				
10	Flexstar	1.88	L	1	pt/a	POST	B				
10	Assure II	0.88	L	8	fl oz/a	POST	B				
10	Crop Oil Concentrate		L	1	% v/v	POST	B				
10	AMS		WG	8.5	lb/100 gal	POST	B				
11	Canopy	75	DF	4	oz/a	PRE	A	95	99	95	99
11	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A				
11	Flexstar	1.88	L	12	fl oz/a	POST	B				
11	Select	2	L	7	fl oz/a	POST	B				
11	Crop Oil Concentrate		L	1	% v/v	POST	B				
11	AMS		WG	8.5	lb/100 gal	POST	B				
12	Authority First	70	DF	5	oz/a	PRE	A	94	99	97	99
12	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A				
12	Cobra	2	L	6	fl oz/a	POST	B				
12	SelectMax	0.97	L	10	fl oz/a	POST	B				
12	Crop Oil Concentrate		L	0.5	% v/v	POST	B				
12	AMS		WG	8.5	lb/100 gal	POST	B				
13	Authority MTZ	45	DF	16	oz/a	PRE	A	96	97	95	99
13	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A				
13	Cobra	2	L	8	fl oz/a	POST	B				
13	Select	2	L	7	fl oz/a	POST	B				
13	Crop Oil Concentrate		L	0.5	% v/v	POST	B				
13	AMS		WG	8.5	lb/100 gal	POST	B				
14	Authority Assist	4	L	12	oz/a	PRE	A	97	99	55	99
14	FirstRate	84	WG	0.3	oz/a	POST	B				
14	Targa	0.88	L	7	fl oz/a	POST	B				
14	Activator 90		L	0.25	% v/v	POST	B				
14	AMS		WG	8.5	lb/100 gal	POST	B				

MSU Weed Science Research Program

Weed Control in Non-GMO Soybean

Trial ID: SOY05-08
 Conducted: T-10 West

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Weed Code	ANGR	CHEAL	AMBEL	AMAPO
Crop Code				
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Date	6/30/08	6/30/08	6/30/08	6/30/08
Trt-Eval Interval	53 DA-A	53 DA-A	53 DA-A	53 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code				
15	Untreated					PRE	A	0	0	0	0

LSD (P=.10)	7.0	6.4	8.1	0.0
Standard Deviation	4.0	3.6	4.6	0.0
CV	4.61	4.09	5.54	0.0

MSU Weed Science Research Program

Weed Control in Non-GMO Soybean

Trial ID: SOY05-08
 Conducted: T-10 West

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Weed Code	ABUTH	BRAKA	GLXMA	ANGR
Crop Code				
Rating Data Type	Control	Control	Injury	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Date	6/30/08	6/30/08	7/16/08	7/16/08
Trt-Eval Interval	53 DA-A	53 DA-A	69 DA-A	69 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	ABUTH	BRAKA	GLXMA	ANGR
1	Valor XLT	40.3	DG	4	oz/a	PRE	A	99	99	3	93
1	Prowl H2O	3.8	L	2	pt/a	PRE	A				
1	Cobra	2	L	6	fl oz/a	POST	B				
1	SelectMax	0.97	L	10	fl oz/a	POST	B				
1	Crop Oil Concentrate		L	0.5	% v/v	POST	B				
1	AMS		WG	8.5	lb/100 gal	POST	B				
2	Pursuit Plus	2.9	L	2.5	pt/a	PRE	A	99	99	2	96
2	Ultra Blazer	2	L	1.5	pt/a	POST	B				
2	Targa	0.88	L	8	fl oz/a	POST	B				
2	Crop Oil Concentrate		L	1	% v/v	POST	B				
2	AMS		WG	8.5	lb/100 gal	POST	B				
3	Envive (3.5 oz/A)							99	99	2	96
3	Classic	25	DF	1.28	oz/a	PRE	A				
3	Harmony SG	50	DF	0.208	oz/a	PRE	A				
3	Valor SX	51	WG	2	oz/a	PRE	A				
3	Flexstar	1.88	L	1	pt/a	POST	B				
3	Assure II	0.88	L	8	fl oz/a	POST	B				
3	Crop Oil Concentrate		L	1	% v/v	POST	B				
3	AMS		WG	8.5	lb/100 gal	POST	B				
4	Gangster (3.6 oz/A)							99	99	0	96
4	Valor SX	51	WG	3	oz/a	PRE	A				
4	First Rate	84	DG	0.6	oz/a	PRE	A				
4	Prowl H2O	3.8	L	2	pt/a	PRE	A				
4	Flexstar	1.88	L	0.5	pt/a	POST	B				
4	Assure II	0.88	L	8	fl oz/a	POST	B				
4	Crop Oil Concentrate		L	1	% v/v	POST	B				
4	AMS		WG	8.5	lb/100 gal	POST	B				
5	Boundary	6.5	EC	2.4	pt/a	PRE	A	97	99	2	99
5	Raptor	1	L	5	fl oz/a	POST	B				
5	Crop Oil Concentrate		L	1	% v/v	POST	B				
5	AMS		WG	8.5	lb/100 gal	POST	B				
6	Python	80	DG	0.8	oz/a	PRE	A	99	99	0	97
6	Sencor	75	DF	8	oz/a	PRE	A				
6	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A				
6	Cobra	2	L	4	fl oz/a	POST	B				
6	Targa	0.88	L	8	fl oz/a	POST	B				
6	Crop Oil Concentrate		L	0.5	% v/v	POST	B				
6	AMS		WG	8.5	lb/100 gal	POST	B				
7	Pursuit Plus	2.9	L	2.5	pt/a	PRE	A	99	99	0	99
7	Sencor	75	DF	5	oz/a	PRE	A				
7	FirstRate	84	WG	0.3	oz/a	POST	B				
7	SelectMax	0.97	L	9	fl oz/a	POST	B				
7	Activator 90		L	0.25	% v/v	POST	B				
7	AMS		WG	8.5	lb/100 gal	POST	B				

MSU Weed Science Research Program

Weed Control in Non-GMO Soybean

Trial ID: SOY05-08
 Conducted: T-10 West

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Weed Code	ABUTH	BRAKA	GLXMA	ANGR
Crop Code				
Rating Data Type	Control	Control	Injury	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Date	6/30/08	6/30/08	7/16/08	7/16/08
Trt-Eval Interval	53 DA-A	53 DA-A	69 DA-A	69 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	ABUTH	BRAKA	GLXMA	ANGR
8	Boundary	6.5	EC	1.5	pt/a	PRE	A	99	99	3	99
8	Authority Assist	4	L	12	oz/a	PRE	A				
8	Ultra Blazer	2	L	1	pt/a	POST	B				
8	Assure II	0.88	L	8	fl oz/a	POST	B				
8	Crop Oil Concentrate		L	1	% v/v	POST	B				
8	AMS		WG	8.5	lb/100 gal	POST	B				
9	Boundary	6.5	EC	1.25	pt/a	PRE	A	99	99	0	92
9	Prefix	5.29	L	2	pt/a	PRE	A				
9	Synchrony XP	28.4	SG	0.375	oz/a	POST	B				
9	Assure II	0.88	L	7	fl oz/a	POST	B				
9	Activator 90		L	0.25	% v/v	POST	B				
9	AMS		WG	8.5	lb/100 gal	POST	B				
10	Envive (4.0 oz/A)							99	99	2	97
10	Classic	25	DF	1.46	oz/a	PRE	A				
10	Harmony SG	50	DF	0.238	oz/a	PRE	A				
10	Valor SX	51	WG	2.28	oz/a	PRE	A				
10	Prowl H2O	3.8	L	2	pt/a	PRE	A				
10	Flexstar	1.88	L	1	pt/a	POST	B				
10	Assure II	0.88	L	8	fl oz/a	POST	B				
10	Crop Oil Concentrate		L	1	% v/v	POST	B				
10	AMS		WG	8.5	lb/100 gal	POST	B				
11	Canopy	75	DF	4	oz/a	PRE	A	99	99	0	98
11	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A				
11	Flexstar	1.88	L	12	fl oz/a	POST	B				
11	Select	2	L	7	fl oz/a	POST	B				
11	Crop Oil Concentrate		L	1	% v/v	POST	B				
11	AMS		WG	8.5	lb/100 gal	POST	B				
12	Authority First	70	DF	5	oz/a	PRE	A	99	99	0	96
12	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A				
12	Cobra	2	L	6	fl oz/a	POST	B				
12	SelectMax	0.97	L	10	fl oz/a	POST	B				
12	Crop Oil Concentrate		L	0.5	% v/v	POST	B				
12	AMS		WG	8.5	lb/100 gal	POST	B				
13	Authority MTZ	45	DF	16	oz/a	PRE	A	99	97	0	97
13	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A				
13	Cobra	2	L	8	fl oz/a	POST	B				
13	Select	2	L	7	fl oz/a	POST	B				
13	Crop Oil Concentrate		L	0.5	% v/v	POST	B				
13	AMS		WG	8.5	lb/100 gal	POST	B				
14	Authority Assist	4	L	12	oz/a	PRE	A	99	99	0	99
14	FirstRate	84	WG	0.3	oz/a	POST	B				
14	Targa	0.88	L	7	fl oz/a	POST	B				
14	Activator 90		L	0.25	% v/v	POST	B				
14	AMS		WG	8.5	lb/100 gal	POST	B				

MSU Weed Science Research Program

Weed Control in Non-GMO Soybean

Trial ID: SOY05-08
 Conducted: T-10 West

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Weed Code	ABUTH	BRAKA		ANGR
Crop Code			GLXMA	
Rating Data Type	Control	Control	Injury	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Date	6/30/08	6/30/08	7/16/08	7/16/08
Trt-Eval Interval	53 DA-A	53 DA-A	69 DA-A	69 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
15	Untreated					PRE	A	0	0	0	0

LSD (P=.10)	1.3	1.3	2.6	3.8
Standard Deviation	0.7	0.7	1.5	2.1
CV	0.79	0.79	192.42	2.37

MSU Weed Science Research Program

Weed Control in Non-GMO Soybean

Trial ID: SOY05-08
 Conducted: T-10 West

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Weed Code	CHEAL	AMAPO	AMBEL	ABUTH
Crop Code				
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Date	7/16/08	7/16/08	7/16/08	7/16/08
Trt-Eval Interval	69 DA-A	69 DA-A	69 DA-A	69 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
1	Valor XLT	40.3	DG	4	oz/a	PRE	A	99	99	97	99
1	Prowl H2O	3.8	L	2	pt/a	PRE	A				
1	Cobra	2	L	6	fl oz/a	POST	B				
1	SelectMax	0.97	L	10	fl oz/a	POST	B				
1	Crop Oil Concentrate		L	0.5	% v/v	POST	B				
1	AMS		WG	8.5	lb/100 gal	POST	B				
2	Pursuit Plus	2.9	L	2.5	pt/a	PRE	A	99	99	98	99
2	Ultra Blazer	2	L	1.5	pt/a	POST	B				
2	Targa	0.88	L	8	fl oz/a	POST	B				
2	Crop Oil Concentrate		L	1	% v/v	POST	B				
2	AMS		WG	8.5	lb/100 gal	POST	B				
3	Envive (3.5 oz/A)							99	99	99	99
3	Classic	25	DF	1.28	oz/a	PRE	A				
3	Harmony SG	50	DF	0.208	oz/a	PRE	A				
3	Valor SX	51	WG	2	oz/a	PRE	A				
3	Flexstar	1.88	L	1	pt/a	POST	B				
3	Assure II	0.88	L	8	fl oz/a	POST	B				
3	Crop Oil Concentrate		L	1	% v/v	POST	B				
3	AMS		WG	8.5	lb/100 gal	POST	B				
4	Gangster (3.6 oz/A)							99	99	99	99
4	Valor SX	51	WG	3	oz/a	PRE	A				
4	First Rate	84	DG	0.6	oz/a	PRE	A				
4	Prowl H2O	3.8	L	2	pt/a	PRE	A				
4	Flexstar	1.88	L	0.5	pt/a	POST	B				
4	Assure II	0.88	L	8	fl oz/a	POST	B				
4	Crop Oil Concentrate		L	1	% v/v	POST	B				
4	AMS		WG	8.5	lb/100 gal	POST	B				
5	Boundary	6.5	EC	2.4	pt/a	PRE	A	97	99	73	99
5	Raptor	1	L	5	fl oz/a	POST	B				
5	Crop Oil Concentrate		L	1	% v/v	POST	B				
5	AMS		WG	8.5	lb/100 gal	POST	B				
6	Python	80	DG	0.8	oz/a	PRE	A	99	99	99	99
6	Sencor	75	DF	8	oz/a	PRE	A				
6	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A				
6	Cobra	2	L	4	fl oz/a	POST	B				
6	Targa	0.88	L	8	fl oz/a	POST	B				
6	Crop Oil Concentrate		L	0.5	% v/v	POST	B				
6	AMS		WG	8.5	lb/100 gal	POST	B				
7	Pursuit Plus	2.9	L	2.5	pt/a	PRE	A	99	99	72	99
7	Sencor	75	DF	5	oz/a	PRE	A				
7	FirstRate	84	WG	0.3	oz/a	POST	B				
7	SelectMax	0.97	L	9	fl oz/a	POST	B				
7	Activator 90		L	0.25	% v/v	POST	B				
7	AMS		WG	8.5	lb/100 gal	POST	B				

MSU Weed Science Research Program

Weed Control in Non-GMO Soybean

Trial ID: SOY05-08
 Conducted: T-10 West

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Weed Code	CHEAL	AMAPO	AMBEL	ABUTH
Crop Code				
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Date	7/16/08	7/16/08	7/16/08	7/16/08
Trt-Eval Interval	69 DA-A	69 DA-A	69 DA-A	69 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
8	Boundary	6.5	EC	1.5	pt/a	PRE	A	99	99	97	99
8	Authority Assist	4	L	12	oz/a	PRE	A				
8	Ultra Blazer	2	L	1	pt/a	POST	B				
8	Assure II	0.88	L	8	fl oz/a	POST	B				
8	Crop Oil Concentrate		L	1	% v/v	POST	B				
8	AMS		WG	8.5	lb/100 gal	POST	B				
9	Boundary	6.5	EC	1.25	pt/a	PRE	A	98	99	98	99
9	Prefix	5.29	L	2	pt/a	PRE	A				
9	Synchrony XP	28.4	SG	0.375	oz/a	POST	B				
9	Assure II	0.88	L	7	fl oz/a	POST	B				
9	Activator 90		L	0.25	% v/v	POST	B				
9	AMS		WG	8.5	lb/100 gal	POST	B				
10	Envive (4.0 oz/A)							99	99	99	99
10	Classic	25	DF	1.46	oz/a	PRE	A				
10	Harmony SG	50	DF	0.238	oz/a	PRE	A				
10	Valor SX	51	WG	2.28	oz/a	PRE	A				
10	Prowl H2O	3.8	L	2	pt/a	PRE	A				
10	Flexstar	1.88	L	1	pt/a	POST	B				
10	Assure II	0.88	L	8	fl oz/a	POST	B				
10	Crop Oil Concentrate		L	1	% v/v	POST	B				
10	AMS		WG	8.5	lb/100 gal	POST	B				
11	Canopy	75	DF	4	oz/a	PRE	A	99	99	99	99
11	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A				
11	Flexstar	1.88	L	12	fl oz/a	POST	B				
11	Select	2	L	7	fl oz/a	POST	B				
11	Crop Oil Concentrate		L	1	% v/v	POST	B				
11	AMS		WG	8.5	lb/100 gal	POST	B				
12	Authority First	70	DF	5	oz/a	PRE	A	99	99	98	99
12	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A				
12	Cobra	2	L	6	fl oz/a	POST	B				
12	SelectMax	0.97	L	10	fl oz/a	POST	B				
12	Crop Oil Concentrate		L	0.5	% v/v	POST	B				
12	AMS		WG	8.5	lb/100 gal	POST	B				
13	Authority MTZ	45	DF	16	oz/a	PRE	A	99	99	99	99
13	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A				
13	Cobra	2	L	8	fl oz/a	POST	B				
13	Select	2	L	7	fl oz/a	POST	B				
13	Crop Oil Concentrate		L	0.5	% v/v	POST	B				
13	AMS		WG	8.5	lb/100 gal	POST	B				
14	Authority Assist	4	L	12	oz/a	PRE	A	99	99	58	99
14	FirstRate	84	WG	0.3	oz/a	POST	B				
14	Targa	0.88	L	7	fl oz/a	POST	B				
14	Activator 90		L	0.25	% v/v	POST	B				
14	AMS		WG	8.5	lb/100 gal	POST	B				

MSU Weed Science Research Program

Weed Control in Non-GMO Soybean

Trial ID: SOY05-08
 Conducted: T-10 West

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Weed Code	CHEAL	AMAPO	AMBEL	ABUTH
Crop Code				
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Date	7/16/08	7/16/08	7/16/08	7/16/08
Trt-Eval Interval	69 DA-A	69 DA-A	69 DA-A	69 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code				
15	Untreated					PRE	A	0	0	0	0

LSD (P=.10)	1.5	0.0	7.4	0.3
Standard Deviation	0.8	0.0	4.2	0.2
CV	0.91	0.0	4.92	0.2

MSU Weed Science Research Program

Weed Control in Non-GMO Soybean

Trial ID: SOY05-08
 Conducted: T-10 West

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

								BRAKA		
								Control	GLXMA	GLXMA
								Percent	moisture	yield
								7/16/08	10/23/08	10/23/08
								69 DA-A	168 DA-A	at 13% M
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code			
1	Valor XLT	40.3	DG	4	oz/a	PRE	A	99	13.0	39.0
1	Prowl H2O	3.8	L	2	pt/a	PRE	A			
1	Cobra	2	L	6	fl oz/a	POST	B			
1	SelectMax	0.97	L	10	fl oz/a	POST	B			
1	Crop Oil Concentrate		L	0.5	% v/v	POST	B			
1	AMS		WG	8.5	lb/100 gal	POST	B			
2	Pursuit Plus	2.9	L	2.5	pt/a	PRE	A	99	13.1	35.4
2	Ultra Blazer	2	L	1.5	pt/a	POST	B			
2	Targa	0.88	L	8	fl oz/a	POST	B			
2	Crop Oil Concentrate		L	1	% v/v	POST	B			
2	AMS		WG	8.5	lb/100 gal	POST	B			
3	Envive (3.5 oz/A)							99	13.2	39.6
3	Classic	25	DF	1.28	oz/a	PRE	A			
3	Harmony SG	50	DF	0.208	oz/a	PRE	A			
3	Valor SX	51	WG	2	oz/a	PRE	A			
3	Flexstar	1.88	L	1	pt/a	POST	B			
3	Assure II	0.88	L	8	fl oz/a	POST	B			
3	Crop Oil Concentrate		L	1	% v/v	POST	B			
3	AMS		WG	8.5	lb/100 gal	POST	B			
4	Gangster (3.6 oz/A)							99	13.4	43.8
4	Valor SX	51	WG	3	oz/a	PRE	A			
4	First Rate	84	DG	0.6	oz/a	PRE	A			
4	Prowl H2O	3.8	L	2	pt/a	PRE	A			
4	Flexstar	1.88	L	0.5	pt/a	POST	B			
4	Assure II	0.88	L	8	fl oz/a	POST	B			
4	Crop Oil Concentrate		L	1	% v/v	POST	B			
4	AMS		WG	8.5	lb/100 gal	POST	B			
5	Boundary	6.5	EC	2.4	pt/a	PRE	A	99	13.2	35.2
5	Raptor	1	L	5	fl oz/a	POST	B			
5	Crop Oil Concentrate		L	1	% v/v	POST	B			
5	AMS		WG	8.5	lb/100 gal	POST	B			
6	Python	80	DG	0.8	oz/a	PRE	A	99	13.3	39.1
6	Sencor	75	DF	8	oz/a	PRE	A			
6	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A			
6	Cobra	2	L	4	fl oz/a	POST	B			
6	Targa	0.88	L	8	fl oz/a	POST	B			
6	Crop Oil Concentrate		L	0.5	% v/v	POST	B			
6	AMS		WG	8.5	lb/100 gal	POST	B			
7	Pursuit Plus	2.9	L	2.5	pt/a	PRE	A	99	13.5	32.2
7	Sencor	75	DF	5	oz/a	PRE	A			
7	FirstRate	84	WG	0.3	oz/a	POST	B			
7	SelectMax	0.97	L	9	fl oz/a	POST	B			
7	Activator 90		L	0.25	% v/v	POST	B			
7	AMS		WG	8.5	lb/100 gal	POST	B			

MSU Weed Science Research Program

Weed Control in Non-GMO Soybean

Trial ID: SOY05-08
 Conducted: T-10 West

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Weed Code								BRAKA		
Crop Code								GLXMA	GLXMA	
Rating Data Type								Control	moisture	yield
Rating Unit								Percent	percent	bu/acre
Rating Date								7/16/08	10/23/08	10/23/08
Trt-Eval Interval								69 DA-A	168 DA-A	at 13% M
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code			
8	Boundary	6.5	EC	1.5	pt/a	PRE	A	99	12.7	45.4
8	Authority Assist	4	L	12	oz/a	PRE	A			
8	Ultra Blazer	2	L	1	pt/a	POST	B			
8	Assure II	0.88	L	8	fl oz/a	POST	B			
8	Crop Oil Concentrate		L	1	% v/v	POST	B			
8	AMS		WG	8.5	lb/100 gal	POST	B			
9	Boundary	6.5	EC	1.25	pt/a	PRE	A	99	13.1	40.6
9	Prefix	5.29	L	2	pt/a	PRE	A			
9	Synchrony XP	28.4	SG	0.375	oz/a	POST	B			
9	Assure II	0.88	L	7	fl oz/a	POST	B			
9	Activator 90		L	0.25	% v/v	POST	B			
9	AMS		WG	8.5	lb/100 gal	POST	B			
10	Envive (4.0 oz/A)							99	12.9	41.3
10	Classic	25	DF	1.46	oz/a	PRE	A			
10	Harmony SG	50	DF	0.238	oz/a	PRE	A			
10	Valor SX	51	WG	2.28	oz/a	PRE	A			
10	Prowl H2O	3.8	L	2	pt/a	PRE	A			
10	Flexstar	1.88	L	1	pt/a	POST	B			
10	Assure II	0.88	L	8	fl oz/a	POST	B			
10	Crop Oil Concentrate		L	1	% v/v	POST	B			
10	AMS		WG	8.5	lb/100 gal	POST	B			
11	Canopy	75	DF	4	oz/a	PRE	A	99	13.0	44.0
11	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A			
11	Flexstar	1.88	L	12	fl oz/a	POST	B			
11	Select	2	L	7	fl oz/a	POST	B			
11	Crop Oil Concentrate		L	1	% v/v	POST	B			
11	AMS		WG	8.5	lb/100 gal	POST	B			
12	Authority First	70	DF	5	oz/a	PRE	A	99	13.1	43.9
12	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A			
12	Cobra	2	L	6	fl oz/a	POST	B			
12	SelectMax	0.97	L	10	fl oz/a	POST	B			
12	Crop Oil Concentrate		L	0.5	% v/v	POST	B			
12	AMS		WG	8.5	lb/100 gal	POST	B			
13	Authority MTZ	45	DF	16	oz/a	PRE	A	99	13.1	39.2
13	Dual II Magnum	7.64	L	1.33	pt/a	PRE	A			
13	Cobra	2	L	8	fl oz/a	POST	B			
13	Select	2	L	7	fl oz/a	POST	B			
13	Crop Oil Concentrate		L	0.5	% v/v	POST	B			
13	AMS		WG	8.5	lb/100 gal	POST	B			
14	Authority Assist	4	L	12	oz/a	PRE	A	99	13.7	29.4
14	FirstRate	84	WG	0.3	oz/a	POST	B			
14	Targa	0.88	L	7	fl oz/a	POST	B			
14	Activator 90		L	0.25	% v/v	POST	B			
14	AMS		WG	8.5	lb/100 gal	POST	B			

MSU Weed Science Research Program

Weed Control in Non-GMO Soybean

Trial ID: SOY05-08
 Conducted: T-10 West

Study Dir.: Sprague, Powell
 Investigator: Christy Sprague

Weed Code	BRAKA		
Crop Code		GLXMA	GLXMA
Rating Data Type	Control	moisture	yield
Rating Unit	Percent	percent	bu/acre
Rating Date	7/16/08	10/23/08	10/23/08
Trt-Eval Interval	69 DA-A	168 DA-A	at 13% M

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code			
15	Untreated					PRE	A	0	16.0	7.8
LSD (P=.10)								0.0	0.90	7.11
Standard Deviation								0.0	0.51	4.04
CV								0.0	3.82	10.9