

General Fall Herbicide Evaluation in Soybean.

Project Code: 06-19B Location: Belleville Research Center
 Investigator: Bryan Young

Investigator: Bryan Young, Associate Professor, Southern Illinois University

City State Zip Country: Belleville IL 62221 USA
Trial Status: Final **Updated:** 8-3-06

Objective:

Evaluate various herbicide programs applied in the fall for winter annual weed control and residual activity on summer annual weeds in soybean

Weed Code	Common Name	Scientific Name
1.	RANAB buttercup, smallflower	Ranunculus abortivus L.
2.	ALLVI garlic, wild	Allium vineale L.
3.	STEME chickweed, common	Stellaria media (L.) Vill.
4.	LAMAM henbit	Lamium amplexicaule L.
5.	CAPBP shepherdspurse	Capsella bursa-pastoris (L.) Medicus
6.	SETFA foxtail, giant	Setaria faberi Herrm.
7.	AMBTR ragweed, giant	Ambrosia trifida L.

Crop 1: GLXMA soybean **Variety:** Asgrow 4403 RR
Planting Method: Seeded **Planting Date:** 5-20-06
Rate: 75 S/A **Depth:** 1.0 IN
Row Spacing: 15 IN

Plot Width, Unit: 10 FT **Plot Length, Unit:** 25 FT **Reps:** 3
Tillage Type: No-Till **Study Design:** Randomized complete block
Previous Crop, Year: ZEAMX, 2005
Field Prep./Maintenance: N 0 LB/A, P205 0 LB/A, K20 0 LB/A

Soil Name: Ebbert **% OM:** 2.9 **pH:** 6.2 **CEC:** 14
Texture: Silt loam **Fert. Level:** P1: 79 LB/A, K: 557 LB/A

APPLICATION DESCRIPTION

A
Application Date: 11-18-05
Time of Day: 12:00
Application Method: Spray
Application Timing: FALL
Applic. Placement: BROFOL
Air Temp., Unit: 53 F
% Relative Humidity: 37
Wind Velocity, Unit: 3 MPH
Soil Moisture: ABONOR

CROP STAGE AT EACH APPLICATION

A
Crop 1 Code, Stage: GLXMA NA
Height, Unit: NA NA

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code:	RANAB
Stage (leaves):	4-6
Height (inches):	1-2
Density:	Medium
Weed 2 Code:	ALLVI
Stage (leaves):	3-4
Height (inches):	1-6
Density:	Low
Weed 3 Code:	STEME
Stage (leaves):	10+
Height (inches):	0-1
Density:	High
Weed 4 Code:	LAMAM
Stage (leaves):	5-10
Height (inches):	0-1
Density:	High
Weed 5 Code:	CAPBP
Stage (leaves):	5-6
Height (inches):	1-3
Density:	Low

APPLICATION EQUIPMENT

A
Appl. Equipment: CO2 sprayer
Operating Pressure: 40 PSI
Nozzle Type: Flat fan
Nozzle Size: 8003
Boom Length, Unit: 7.5 FT
Spray Volume, Unit: 20 GPA

NOTES:

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Weed Code	RANAB	RANAB	RANAB	ALLVI	ALLVI	ALLVI
Crop Code	Control	Control	Control	Control	Control	Control
Rating Data Type	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit	12-9-05	4-1-06	5-1-06	12-9-05	4-1-06	5-1-06
Rating Date	21 DA-A	134 DA-A	164 DA-A	21 DA-A	134 DA-A	164 DA-A
Trt-Eval Interval						

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code						
1	NONTREATED									0	0	0	0	0	0
2	CANOPY EX	29.5	WG			2.2	oz/a	FALL	A	0	100	100	0	100	100
2	->CLASSIC	25	WG	0.03125	lb ai/a			FALL	A						
2	->EXPRESS	75	WG	0.00938	lb ai/a			FALL	A						
2	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
2	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
3	CANOPY EX	29.5	WG			1.65	oz/a	FALL	A	0	100	100	0	100	100
3	->CLASSIC	25	WG	0.02344	lb ai/a			FALL	A						
3	->EXPRESS	75	WG	0.00706	lb ai/a			FALL	A						
3	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
3	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
4	CANOPY EX	29.5	WG			1.1	oz/a	FALL	A	0	100	100	0	100	100
4	->CLASSIC	25	WG	0.01563	lb ai/a			FALL	A						
4	->EXPRESS	75	WG	0.00469	lb ai/a			FALL	A						
4	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
4	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
5	CANOPY EX	29.5	WG			3.3	oz/a	FALL	A	0	100	100	0	100	100
5	->CLASSIC	25	WG	0.04688	lb ai/a			FALL	A						
5	->EXPRESS	75	WG	0.01406	lb ai/a			FALL	A						
5	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
5	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
6	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	42	99	99	42	100	100
6	VALOR	51	WG	0.064	lb ai/a	2	oz/a	FALL	A						
6	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
6	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL	A						
7	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	0	99	99	0	100	100
7	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
7	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL	A						
8	A14972A	5.3	EC	1.33	lb ai/a	2	pt/a	FALL	A	90	93	93	90	87	87
8	GRAMOXONE INTEON	2	SL	0.5	lb ai/a	2	pt/a	FALL	A						
8	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	FALL	A						
9	A14972A	5.3	EC	1.66	lb ai/a	2.5	pt/a	FALL	A	90	99	99	90	87	87
9	GRAMOXONE INTEON	2	SL	0.5	lb ai/a	2	pt/a	FALL	A						
9	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	FALL	A						
10	VALOR	51	WG	0.064	lb ai/a	2	oz/a	FALL	A	90	99	99	90	80	80
10	GRAMOXONE INTEON	2	SL	0.5	lb ai/a	2	pt/a	FALL	A						
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	FALL	A						
11	CANOPY EX	29.5	WG			1.1	oz/a	FALL	A	90	100	100	90	100	100
11	->CLASSIC	25	WG	0.01563	lb ai/a			FALL	A						
11	->EXPRESS	75	WG	0.00469	lb ai/a			FALL	A						
11	GRAMOXONE INTEON	2	SL	0.5	lb ai/a	2	pt/a	FALL	A						
11	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	FALL	A						
12	VALOR	51	WG	0.048	lb ai/a	1.5	oz/a	FALL	A	0	62	45	0	75	75
12	CLARITY	4	EC	0.25	lb ai/a	8	fl oz/a	FALL	A						
12	PRIME OIL COC	100	LIQ	1.0	pt/a	1	pt/a	FALL	A						
13	VALOR	51	WG	0.048	lb ai/a	1.5	oz/a	FALL	A	0	100	100	0	80	80
13	SCEPTER	70	WG	0.0656	lb ai/a	1.5	oz/a	FALL	A						
13	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
13	PRIME OIL COC	100	LIQ	1.0	pt/a	1	pt/a	FALL	A						
14	VALOR	51	WG	0.048	lb ai/a	1.5	oz/a	FALL	A	0	100	100	0	99	97
14	SCEPTER	70	WG	0.0656	lb ai/a	1.5	oz/a	FALL	A						
14	ROUNDUP ORIG MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A						
14	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	FALL	A						
14	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL	A						
15	SCEPTER	70	WG	0.092	lb ai/a	2.1	oz/a	FALL	A	0	100	100	0	90	90
15	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
15	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
15	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL	A						

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Crop Code	Control	Control	Control	Control	Control	Control
Rating Data Type	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit	12-9-05	4-1-06	5-1-06	12-9-05	4-1-06	5-1-06
Rating Date	21 DA-A	134 DA-A	164 DA-A	21 DA-A	134 DA-A	164 DA-A
Trt-Eval Interval						

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code						
16	SCEPTER	70	WG	0.122	lb ai/a	2.8	oz/a	FALL	A	0	100	100	0	87	87
16	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
16	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
16	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL	A						
17	SCEPTER	70	WG	0.092	lb ai/a	2.1	oz/a	FALL	A	0	100	100	0	87	87
17	SPARTAN	4	F	0.14	lb ai/a	4.5	fl oz/a	FALL	A						
17	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
17	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
17	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL	A						
18	SCEPTER	70	WG	0.092	lb ai/a	2.1	oz/a	FALL	A	42	100	100	42	87	87
18	VALOR	51	WG	0.056	lb ai/a	1.75	oz/a	FALL	A						
18	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
18	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
18	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL	A						
19	EXTREME	2.17	SL	0.81	lb ai/a	3	pt/a	FALL	A	0	100	100	0	97	97
19	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
19	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	FALL	A						
19	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL	A						

20 CONFIDENTIAL

21 CONFIDENTIAL

LSD (P=.05) 7.5 7.8 16.2 7.5 5.5 6.0

Replicate F	2.118	1.982	1.285	2.118	7.310	5.176
Replicate Prob(F)	0.1351	0.1526	0.2891	0.1351	0.0022	0.0106
Treatment F	205.424	77.178	20.074	205.424	141.187	115.132
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

General Fall Herbicide Evaluation in Soybean.

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Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	STEME	STEME	STEME	LAMAM	LAMAM	LAMAM	
						Control Percent 12-9-05 21 DA-A	Control Percent 4-1-06 134 DA-A	Control Percent 5-1-06 164 DA-A	Control Percent 12-9-05 21 DA-A	Control Percent 4-1-06 134 DA-A	Control Percent 5-1-06 164 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code			
1	NONTREATED									0	0	0
2	CANOPY EX	29.5	WG			2.2	oz/a	FALL A		0	100	100
2	->CLASSIC	25	WG	0.03125	lb ai/a			FALL A				
2	->EXPRESS	75	WG	0.00938	lb ai/a			FALL A				
2	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL A				
2	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL A				
3	CANOPY EX	29.5	WG			1.65	oz/a	FALL A		0	100	100
3	->CLASSIC	25	WG	0.02344	lb ai/a			FALL A				
3	->EXPRESS	75	WG	0.00706	lb ai/a			FALL A				
3	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL A				
3	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL A				
4	CANOPY EX	29.5	WG			1.1	oz/a	FALL A		0	92	92
4	->CLASSIC	25	WG	0.01563	lb ai/a			FALL A				
4	->EXPRESS	75	WG	0.00469	lb ai/a			FALL A				
4	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL A				
4	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL A				
5	CANOPY EX	29.5	WG			3.3	oz/a	FALL A		0	100	100
5	->CLASSIC	25	WG	0.04688	lb ai/a			FALL A				
5	->EXPRESS	75	WG	0.01406	lb ai/a			FALL A				
5	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL A				
5	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL A				
6	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL A		42	100	100
6	VALOR	51	WG	0.064	lb ai/a	2	oz/a	FALL A				
6	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL A				
6	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL A				
7	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL A		0	100	100
7	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL A			99	99
7	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL A				
8	A14972A	5.3	EC	1.33	lb ai/a	2	pt/a	FALL A		90	82	73
8	GRAMOXONE INTEON	2	SL	0.5	lb ai/a	2	pt/a	FALL A				
8	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	FALL A				
9	A14972A	5.3	EC	1.66	lb ai/a	2.5	pt/a	FALL A		90	82	55
9	GRAMOXONE INTEON	2	SL	0.5	lb ai/a	2	pt/a	FALL A				
9	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	FALL A				
10	VALOR	51	WG	0.064	lb ai/a	2	oz/a	FALL A		90	87	67
10	GRAMOXONE INTEON	2	SL	0.5	lb ai/a	2	pt/a	FALL A				
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	FALL A				
11	CANOPY EX	29.5	WG			1.1	oz/a	FALL A		90	92	92
11	->CLASSIC	25	WG	0.01563	lb ai/a			FALL A				
11	->EXPRESS	75	WG	0.00469	lb ai/a			FALL A				
11	GRAMOXONE INTEON	2	SL	0.5	lb ai/a	2	pt/a	FALL A				
11	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	FALL A				
12	VALOR	51	WG	0.048	lb ai/a	1.5	oz/a	FALL A		0	90	63
12	CLARITY	4	EC	0.25	lb ai/a	8	fl oz/a	FALL A				
12	PRIME OIL COC	100	LIQ	1.0	pt/a	1	pt/a	FALL A				
13	VALOR	51	WG	0.048	lb ai/a	1.5	oz/a	FALL A		0	80	80
13	SCEPTER	70	WG	0.0656	lb ai/a	1.5	oz/a	FALL A				
13	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL A				
13	PRIME OIL COC	100	LIQ	1.0	pt/a	1	pt/a	FALL A				
14	VALOR	51	WG	0.048	lb ai/a	1.5	oz/a	FALL A		0	100	100
14	SCEPTER	70	WG	0.0656	lb ai/a	1.5	oz/a	FALL A				
14	ROUNDUP ORIG MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL A				
14	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	FALL A				
14	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL A				
15	SCEPTER	70	WG	0.092	lb ai/a	2.1	oz/a	FALL A		0	88	88
15	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL A				
15	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL A				
15	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL A				

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Weed Code	STEME	STEME	STEME	LAMAM	LAMAM	LAMAM
Crop Code	Control	Control	Control	Control	Control	Control
Rating Data Type	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit	12-9-05	4-1-06	5-1-06	12-9-05	4-1-06	5-1-06
Rating Date	21 DA-A	134 DA-A	164 DA-A	21 DA-A	134 DA-A	164 DA-A
Trt-Eval Interval						

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	STEME	STEME	STEME	LAMAM	LAMAM	LAMAM
16	SCEPTER	70	WG	0.122	lb ai/a	2.8	oz/a	FALL	A	0	90	90	0	100	100
16	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
16	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
16	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL	A						
17	SCEPTER	70	WG	0.092	lb ai/a	2.1	oz/a	FALL	A	0	80	80	0	99	99
17	SPARTAN	4	F	0.14	lb ai/a	4.5	fl oz/a	FALL	A						
17	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
17	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
17	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL	A						
18	SCEPTER	70	WG	0.092	lb ai/a	2.1	oz/a	FALL	A	42	95	94	42	100	100
18	VALOR	51	WG	0.056	lb ai/a	1.75	oz/a	FALL	A						
18	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
18	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
18	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL	A						
19	EXTREME	2.17	SL	0.81	lb ai/a	3	pt/a	FALL	A	0	99	99	0	100	100
19	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
19	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	FALL	A						
19	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL	A						

20 CONFIDENTIAL

21 CONFIDENTIAL

LSD (P=.05) 7.5 10.0 31.7 7.5 3.0 3.0

Replicate F	2.118	0.196	0.890	2.118	1.707	1.707
Replicate Prob(F)	0.1351	0.8233	0.4196	0.1351	0.1958	0.1958
Treatment F	205.424	40.675	4.860	205.424	482.747	482.747
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	CAPBP	CAPBP	SETFA	SETFA	AMBTR	AMBTR	GLXMA	Injury			
														Control Percent	Control Percent	Control Percent
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	134 DA-A	164 DA-A	164 DA-A	28 DAP	164 DA-A	28 DAP	28 DAP
1	NONTREATED									0	0	95	60	95	88	0
2	CANOPY EX	29.5	WG			2.2	oz/a	FALL A		100	100	93	27	93	91	0
2	->CLASSIC	25	WG	0.03125	lb ai/a			FALL A								
2	->EXPRESS	75	WG	0.00938	lb ai/a			FALL A								
2	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL A								
2	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL A								
3	CANOPY EX	29.5	WG			1.65	oz/a	FALL A		100	100	57	0	89	63	0
3	->CLASSIC	25	WG	0.02344	lb ai/a			FALL A								
3	->EXPRESS	75	WG	0.00706	lb ai/a			FALL A								
3	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL A								
3	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL A								
4	CANOPY EX	29.5	WG			1.1	oz/a	FALL A		100	100	28	0	89	60	0
4	->CLASSIC	25	WG	0.01563	lb ai/a			FALL A								
4	->EXPRESS	75	WG	0.00469	lb ai/a			FALL A								
4	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL A								
4	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL A								
5	CANOPY EX	29.5	WG			3.3	oz/a	FALL A		100	100	93	60	94	63	0
5	->CLASSIC	25	WG	0.04688	lb ai/a			FALL A								
5	->EXPRESS	75	WG	0.01406	lb ai/a			FALL A								
5	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL A								
5	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL A								
6	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL A		100	100	83	27	42	0	0
6	VALOR	51	WG	0.064	lb ai/a	2	oz/a	FALL A								
6	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL A								
6	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL A								
7	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL A		100	100	0	0	0	0	0
7	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL A								
7	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL A								
8	A14972A	5.3	EC	1.33	lb ai/a	2	pt/a	FALL A		99	99	60	27	45	0	0
8	GRAMOXONE INTEON	2	SL	0.5	lb ai/a	2	pt/a	FALL A								
8	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	FALL A								
9	A14972A	5.3	EC	1.66	lb ai/a	2.5	pt/a	FALL A		93	93	57	17	55	17	0
9	GRAMOXONE INTEON	2	SL	0.5	lb ai/a	2	pt/a	FALL A								
9	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	FALL A								
10	VALOR	51	WG	0.064	lb ai/a	2	oz/a	FALL A		99	99	63	57	60	53	0
10	GRAMOXONE INTEON	2	SL	0.5	lb ai/a	2	pt/a	FALL A								
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	FALL A								
11	CANOPY EX	29.5	WG			1.1	oz/a	FALL A		100	100	60	0	95	89	0
11	->CLASSIC	25	WG	0.01563	lb ai/a			FALL A								
11	->EXPRESS	75	WG	0.00469	lb ai/a			FALL A								
11	GRAMOXONE INTEON	2	SL	0.5	lb ai/a	2	pt/a	FALL A								
11	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	FALL A								
12	VALOR	51	WG	0.048	lb ai/a	1.5	oz/a	FALL A		80	80	87	57	77	68	0
12	CLARITY	4	EC	0.25	lb ai/a	8	fl oz/a	FALL A								
12	PRIME OIL COC	100	LIQ	1.0	pt/a	1	pt/a	FALL A								
13	VALOR	51	WG	0.048	lb ai/a	1.5	oz/a	FALL A		100	100	87	25	93	77	0
13	SCEPTER	70	WG	0.0656	lb ai/a	1.5	oz/a	FALL A								
13	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL A								
13	PRIME OIL COC	100	LIQ	1.0	pt/a	1	pt/a	FALL A								
14	VALOR	51	WG	0.048	lb ai/a	1.5	oz/a	FALL A		100	100	87	17	79	60	0
14	SCEPTER	70	WG	0.0656	lb ai/a	1.5	oz/a	FALL A								
14	ROUNDUP ORIG MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL A								
14	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	FALL A								
14	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL A								
15	SCEPTER	70	WG	0.092	lb ai/a	2.1	oz/a	FALL A		100	100	93	85	63	30	0
15	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL A								
15	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL A								
15	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL A								

General Fall Herbicide Evaluation in Soybean.

Project Code: 06-19B Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	CAPBP	CAPBP	SETFA	SETFA	AMBTR	AMBTR	GLXMA				
						Control	Control	Control	Control	Control	Control	Injury				
						Percent	Percent	Percent	Percent	Percent	Percent	Percent				
						4-1-06	5-1-06	5-1-06	6-16-06	5-1-06	6-16-06	6-16-06				
						134 DA-A	164 DA-A	164 DA-A	28 DAP	164 DA-A	28 DAP	28 DAP				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code							
16	SCEPTER	70	WG	0.122	lb ai/a	2.8	oz/a	FALL	A	100	100	93	68	93	83	0
16	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A							
16	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A							
16	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL	A							
17	SCEPTER	70	WG	0.092	lb ai/a	2.1	oz/a	FALL	A	100	100	88	17	79	30	0
17	SPARTAN	4	F	0.14	lb ai/a	4.5	fl oz/a	FALL	A							
17	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A							
17	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A							
17	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL	A							
18	SCEPTER	70	WG	0.092	lb ai/a	2.1	oz/a	FALL	A	100	100	63	28	78	32	0
18	VALOR	51	WG	0.056	lb ai/a	1.75	oz/a	FALL	A							
18	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A							
18	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A							
18	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL	A							
19	EXTREME	2.17	SL	0.81	lb ai/a	3	pt/a	FALL	A	100	100	90	87	25	0	0
19	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A							
19	ACTIVATOR 90	100	LIQ	0.125	% v/v	0.125	% v/v	FALL	A							
19	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	FALL	A							
20	CONFIDENTIAL															
21	CONFIDENTIAL															
LSD (P=.05)										2.3	2.3	53.2	49.4	48.9	58.6	0.0
Replicate F										1.358	1.358	0.146	5.889	0.106	0.795	0.000
Replicate Prob(F)										0.2699	0.2699	0.8649	0.0061	0.8996	0.4594	1.0000
Treatment F										858.855	858.855	1.868	2.738	2.502	2.577	0.000
Treatment Prob(F)										0.0001	0.0001	0.0544	0.0049	0.0094	0.0077	1.0000

Trial Comments

1. Protocol: DuPont, BASF, Valent, Syngenta.
2. Ratings: WC 21 DAT, April 1, and May 1; CI and WC 28 DAP; WC at 28 DA POST blanket is optional.
3. Blanket application of Touchdown Total (24 oz) + AMS (17 lb/100 gal) at 28 DAP.
4. DA-A = Days after FALL application. DAP = Days after planting.
5. In the nontreated plots, non-zero weed control is a result of competition among weeds.
6. Not harvested.