

General Evaluation of Fall Herbicides Prior to Soybean.

Trial ID: 08-5C Location: Belleville Res. Center

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu
 City State Zip Country: Belleville IL 62221 USA
 Trial Status: FINAL Initiation Date: 11-17-07

Objectives: Evaluate various fall herbicide programs for management of winter annual weeds prior to planting soybean and residual control of summer annual weeds.

Crop 1: GLXMA soybean Variety: AG 4404 RR/STS
 Planting Method: Seeded Planting Date: 06-15-08
 Rate, Unit: 75 lb/A Depth, Unit: 1.0 IN
 Row Spacing, Unit: 30 IN

Pest 1 Type: W Code: LAMAM Lamium amplexicaule L. henbit
 Pest 2 Type: W Code: STEME Stellaria media (L.) Vill. chickweed, common
 Pest 3 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 30 FT Tillage Type: NO-TILL
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year
 1. ZEAMD 2007

Field Prep./Maintenance: N 0 LB/A, P205 0 LB/A, K20 100 LB/A

% OM: 1.5 Texture: SILT LOAM
 pH: 6.5 Soil Name: PIERRON
 CEC: 7 Fert. Level: P1 74 LB/A, K 243 LB/A

Application Description	Application Description				
	A	B	C	D	E
Application Date:	11-17-07	04-21-08	06-16-08	06-25-08	07-16-08
Time of Day:	13:30	9:00	7:00	11:00	16:30
Application Method:	Spray	Spray	Spray	Spray	Spray
Application Timing:	FALL	30DBP	PRE	POST-1	POST-2
Application Placement:	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL
Applied By:	RFK	RFK	NRJ	TM	TGM
Air Temperature, Unit:	68 F	60 F	72 F	86 F	86 F
% Relative Humidity:	30	92	90	80	56
Wind Velocity, Unit:	4 MPH	5 MPH	2 MPH	4 MPH	1 MPH
Dew Presence (Y/N):	N	N	N	N	N
Soil Temperature, Unit:	50 F	53 F	71 F	76 F	87 F
Soil Moisture:	NORMAL	ABONOR	NORMAL	NORMAL	NORMAL
% Cloud Cover:			25	60	5

Crop stage at application:	A	B	C	D	E
Height Min, Max (inch):	NA	NA	NA	2 3	6 11

Application Date:	Pest Stage At Each Application				
	A	B	C	D	E
Weed Code:	LAMAM	LAMAM	LAMAM	LAMAM	LAMAM
Stage Majority (leaves):	8	NA	NA	NA	NA
Stage Min, Max:	4 8				
Height Majority:	4 IN				
Height Min, Max:	1 4				
Density, Unit:	5 FT2				
Weed Code:	STEME	STEME	STEME	STEME	STEME
Stage Majority (leaves):	8	NA	NA	NA	NA
Stage Min, Max:	4 8				
Height Majority:	2 IN				
Height Min, Max:	1 2				
Density, Unit:	1 FT2				
Weed Code:	AMATA	AMATA	AMATA	AMATA	AMATA
Stage Majority (leaves):	NA	NA	8	20	10
Stage Min, Max:			2 14	4 26	COTY 37
Height Majority:			7 IN	10 IN	7 IN
Height Min, Max:			0.5 9	2 18	1 20
Density, Unit:			5 FT2	5 FT2	2 FT2

Application Equipment

Appl. Equipment:	A	B	C	D	E
Operating Pressure:	30 PSI	30 PSI	30 PSI	30 PSI	30 PSI
Nozzle Type:	Flat fan	Flat fan	Flat fan	Flat fan	Flat fan
Nozzle Size:	XR 8002	XR 8002	XR 8002	XR 8002	XR 8002
Boom Length, Unit:	7.5 FT	7.5 FT	7.5 FT	7.5 FT	7.5 FT
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA	15 GPA

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								LAMAM	LAMAM	LAMAM	STEME	STEME	STEME		
								12-08-07	03-01-08	04-01-08	12-08-07	03-01-08	04-01-08		
								Control	Control	Control	Control	Control	Control		
								Percent	Percent	Percent	Percent	Percent	Percent		
								21 DA-A	105 DA-A	136 DA-A	21 DA-A	105 DA-A	136 DA-A		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	NONTREATED									0 c	0 c	0 c	0 d	0 c	0 c
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	50 b	99 a	99 a	50 c	99 a	99 a
3	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
2	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
2	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	60 a	99 a	99 a	60 a	99 a	99 a
3	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
3	VALOR XLT	40.3	WG			3	oz/a	FALL	A						
3	VALOR SX	51	WG	0.056	lb ai/a			FALL	A						
3	CLASSIC	25	WG	0.0194	lb ai/a			FALL	A						
3	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
3	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	50 b	99 a	99 a	53 b	99 a	99 a
4	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
4	CANOPY EX	29.5	WG			2	oz/a	FALL	A						
4	CLASSIC	25	WG	0.0283	lb ai/a			FALL	A						
4	EXPRESS XP	75	WG	0.00848	lb ai/a			FALL	A						
4	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
4	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
5	NO FALL HERBS							FALL	A	0 c	0 c	0 c	0 d	0 c	0 c
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	C						
5	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	PRE	C						
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-2	E						
5	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-2	E						
6	2,4-D LV4	3.8	EC	0.95	lb ae/a	1	qt/a	FALL	A	60 a	99 a	99 a	60 a	99 a	99 a
6	ROUNDUP P-MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A						
6	VALOR XLT	40.3	WG			3	oz/a	FALL	A						
6	VALOR SX	51	WG	0.056	lb ai/a			FALL	A						
6	CLASSIC	25	WG	0.0194	lb ai/a			FALL	A						
6	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
6	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	FALL	A						
6	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
6	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
7	2,4-D LV4	3.8	EC	0.95	lb ae/a	1	qt/a	FALL	A	60 a	99 a	99 a	60 a	99 a	99 a
7	ROUNDUP P-MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A						
7	VALOR XLT	40.3	WG			4	oz/a	FALL	A						
7	VALOR SX	51	WG	0.075	lb ai/a			FALL	A						
7	CLASSIC	25	WG	0.0258	lb ai/a			FALL	A						
7	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
7	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	FALL	A						
7	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
7	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
8	2,4-D LV4	3.8	EC	0.95	lb ae/a	1	qt/a	FALL	A	60 a	99 a	99 a	60 a	99 a	99 a
8	ROUNDUP P-MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A						
8	VALOR XLT	40.3	WG			5	oz/a	FALL	A						
8	VALOR SX	51	WG	0.093	lb ai/a			FALL	A						
8	CLASSIC	25	WG	0.0322	lb ai/a			FALL	A						
8	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
8	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	FALL	A						
8	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
8	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
9	2,4-D LV4	3.8	EC	0.95	lb ae/a	1	qt/a	FALL	A	60 a	99 a	99 a	60 a	99 a	99 a
9	ROUNDUP P-MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A						
9	VALOR XLT	40.3	WG			6	oz/a	FALL	A						
9	VALOR SX	51	WG	0.112	lb ai/a			FALL	A						
9	CLASSIC	25	WG	0.0387	lb ai/a			FALL	A						
9	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
9	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	FALL	A						
9	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
9	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						

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Pest Code								LAMAM	LAMAM	LAMAM	STEME	STEME	STEME		
Crop Code								12-08-07	03-01-08	04-01-08	12-08-07	03-01-08	04-01-08		
Rating Date								Control	Control	Control	Control	Control	Control		
Rating Data Type								Percent	Percent	Percent	Percent	Percent	Percent		
Rating Unit								21 DA-A	105 DA-A	136 DA-A	21 DA-A	105 DA-A	136 DA-A		
Rating Timing															
Trt-Eval Interval															
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
10	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	FALL	A	60 a	99 a	99 a	60 a	99 a	99 a
10	2,4-D LV4	3.8	EC	0.95	lb ae/a	1	qt/a	FALL	A						
10	ROUNDUP P-MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A						
10	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	FALL	A						
10	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
10	VALOR XLT	40.3	WG			3	oz/a	30DBP	B						
10	VALOR SX	51	WG	0.056	lb ai/a			30DBP	B						
10	CLASSIC	25	WG	0.0194	lb ai/a			30DBP	B						
10	2,4-D LV4	3.8	EC	0.95	lb ae/a	1	qt/a	30DBP	B						
10	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30DBP	B						
10	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
10	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
11	AUTUMN	10	WG	0.00187	lb ai/a	0.3	oz/a	FALL	A	60 a	91 b	96 b	60 a	91 b	85 b
11	SPARTAN SC	4	SC	0.125	lb ai/a	4	fl oz/a	FALL	A						
11	PRIME OIL COC	100	SL	1.0	% v/v	1	% v/v	FALL	A						
11	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	FALL	A						
11	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
11	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
12	AUTUMN	10	WG	0.00187	lb ai/a	0.3	oz/a	FALL	A	60 a	96 ab	96 b	60 a	96 ab	87 b
12	SPARTAN SC	4	SC	0.25	lb ai/a	8	fl oz/a	FALL	A						
12	PRIME OIL COC	100	SL	1.0	% v/v	1	% v/v	FALL	A						
12	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	FALL	A						
12	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
12	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
13	AUTUMN	10	WG	0.00187	lb ai/a	0.3	oz/a	FALL	A	50 b	99 a	99 a	50 c	91 b	91 b
13	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
13	PRIME OIL COC	100	SL	1.0	% v/v	1	% v/v	FALL	A						
13	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	FALL	A						
13	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
13	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
14	AUTUMN	10	WG	0.00187	lb ai/a	0.3	oz/a	FALL	A	50 b	99 a	99 a	50 c	99 a	99 a
14	ROUNDUP W-MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A						
14	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
14	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
14	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
15	ROUNDUP W-MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A	50 b	99 a	99 a	50 c	99 a	99 a
15	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
15	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
15	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
15	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
16	CANOPY EX	29.5	WG			2	oz/a	FALL	A	50 b	99 a	99 a	50 c	99 a	99 a
16	CLASSIC	25	WG	0.0283	lb ai/a			FALL	A						
16	EXPRESS XP	75	WG	0.00848	lb ai/a			FALL	A						
16	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
16	PRIME OIL COC	100	SL	1.0	% v/v	1	% v/v	FALL	A						
16	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
16	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
17	AUTHORITY MTZ	45	WG	0.31	lb ai/a	11	oz/a	FALL	A	60 a	99 a	99 a	60 a	99 a	99 a
17	EXPRESS XP	75	WG	0.0047	lb ai/a	0.1	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	SL	1	pt/a	1	pt/a	FALL	A						
17	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
17	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
18	SCEPTER	70	WG	0.122	lb ai/a	2.8	oz/a	FALL	A	50 b	99 a	99 a	50 c	99 a	99 a
18	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
18	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
18	PRIME OIL COC	100	SL	1	pt/a	1	pt/a	FALL	A						
18	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
18	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						

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									LAMAM	LAMAM	LAMAM	STEME	STEME	STEME	
									12-08-07	03-01-08	04-01-08	12-08-07	03-01-08	04-01-08	
									Control	Control	Control	Control	Control	Control	
									Percent	Percent	Percent	Percent	Percent	Percent	
									21 DA-A	105 DA-A	136 DA-A	21 DA-A	105 DA-A	136 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
19	EXTREME	2.17	SL	0.81	lb ai/a	3	pt/a	FALL	A	50 b	99 a	99 a	50 c	99 a	99 a
19	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
19	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
19	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	FALL	A						
19	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
19	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
20	CANOPY EX	29.5	WG			1.5	oz/a	FALL	A	50 b	99 a	99 a	50 c	99 a	99 a
20	CLASSIC	25	WG	0.0212	lb ai/a			FALL	A						
20	EXPRESS XP	75	WG	0.00636	lb ai/a			FALL	A						
20	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
20	ROUNDUP P-MAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	FALL	A						
20	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	FALL	A						
20	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
20	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
20	SYNCHRONY XP	28.4	WG			0.33	oz/a	POST-1	D						
20	CLASSIC	25	WG	0.00444	lb ai/a			POST-1	D						
20	HARMONY GT XP	75	WG	0.00143	lb ai/a			POST-1	D						
20	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	POST-1	D						
20	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
21	CANOPY EX	29.5	WG			2	oz/a	FALL	A	50 b	99 a	99 a	50 c	99 a	99 a
21	CLASSIC	25	WG	0.0283	lb ai/a			FALL	A						
21	EXPRESS XP	75	WG	0.00848	lb ai/a			FALL	A						
21	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
21	ROUNDUP P-MAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	FALL	A						
21	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	FALL	A						
21	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
21	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
21	SYNCHRONY XP	28.4	WG			0.33	oz/a	POST-1	D						
21	CLASSIC	25	WG	0.00444	lb ai/a			POST-1	D						
21	HARMONY GT XP	75	WG	0.00143	lb ai/a			POST-1	D						
21	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	POST-1	D						
21	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
22	CANOPY EX	29.5	WG			1.1	oz/a	FALL	A	50 b	99 a	99 a	50 c	99 a	99 a
22	CLASSIC	25	WG	0.0156	lb ai/a			FALL	A						
22	EXPRESS XP	75	WG	0.00468	lb ai/a			FALL	A						
22	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
22	ROUNDUP P-MAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	FALL	A						
22	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	FALL	A						
22	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
22	ENVIVE	41.3	WG			3	oz/a	PRE	C						
22	CLASSIC	25	WG	0.01714	lb ai/a			PRE	C						
22	HARMONY GT XP	75	WG	0.00551	lb ai/a			PRE	C						
22	VALOR SX	51	WG	0.05443	lb ai/a			PRE	C						
22	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	PRE	C						
22	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-2	E						
22	SYNCHRONY XP	28.4	WG			0.33	oz/a	POST-2	E						
22	CLASSIC	25	WG	0.00444	lb ai/a			POST-2	E						
22	HARMONY GT XP	75	WG	0.00143	lb ai/a			POST-2	E						
22	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	POST-2	E						
22	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-2	E						
LSD (P=.05)										0.0	5.1	2.6	2.0	7.2	6.1
Replicate F										0.000	1.711	0.488	1.000	0.698	0.657
Replicate Prob(F)										1.0000	0.1930	0.6171	0.3765	0.5031	0.5238
Treatment F										0.000	262.067	1007.814	557.143	132.728	180.895
Treatment Prob(F)										1.0000	0.0001	0.0001	0.0001	0.0001	0.0001

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

General Evaluation of Fall Herbicides Prior to Soybean.

Trial ID: 08-5C

Location: Belleville Res. Center

Pest Code		AMATA AMATA AMATA AMATA AMATA AMATA													
Crop Code															
Rating Date		06-04-08 06-23-08 06-29-08 07-13-08 07-29-08 08-10-08													
Rating Data Type		Control Control Control Control Control Control													
Rating Unit		Percent Percent Percent Percent Percent Percent													
Rating Timing		10 DAE 25 DAE													
Trt-Eval Interval		44 DA-B 7 DA-C 2 WAP 4 WAP 6 WAP 8 WAP													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	NONTREATED									42 c-g	33 c-f	13 h	0 g	0 h	0 f
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	0 g	0 f	53 efg	79 a-d	33 g	23 e
3	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
2	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
2	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	38 d-g	23 def	58 def	82 abc	50 de	30 cde
3	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
3	VALOR XLT	40.3	WG			3	oz/a	FALL	A						
3	VALOR SX	51	WG	0.056	lb ai/a			FALL	A						
3	CLASSIC	25	WG	0.0194	lb ai/a			FALL	A						
3	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
3	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	0 g	0 f	50 fg	78 a-d	47 def	27 de
4	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
4	CANOPY EX	29.5	WG			2	oz/a	FALL	A						
4	CLASSIC	25	WG	0.0283	lb ai/a			FALL	A						
4	EXPRESS XP	75	WG	0.00848	lb ai/a			FALL	A						
4	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
4	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
5	NO FALL HERBS							FALL	A	43 c-g	98 a	99 a	60 f	95 a	95 a
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	C						
5	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	PRE	C						
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-2	E						
5	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-2	E						
6	2,4-D LV4	3.8	EC	0.95	lb ae/a	1	qt/a	FALL	A	58 a-f	57 bcd	72 cd	83 abc	57 cd	43 c
6	ROUNDUP P-MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A						
6	VALOR XLT	40.3	WG			3	oz/a	FALL	A						
6	VALOR SX	51	WG	0.056	lb ai/a			FALL	A						
6	CLASSIC	25	WG	0.0194	lb ai/a			FALL	A						
6	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
6	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	FALL	A						
6	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
6	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
7	2,4-D LV4	3.8	EC	0.95	lb ae/a	1	qt/a	FALL	A	83 a-d	40 cde	63 c-f	84 ab	47 def	33 cde
7	ROUNDUP P-MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A						
7	VALOR XLT	40.3	WG			4	oz/a	FALL	A						
7	VALOR SX	51	WG	0.075	lb ai/a			FALL	A						
7	CLASSIC	25	WG	0.0258	lb ai/a			FALL	A						
7	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
7	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	FALL	A						
7	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
7	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
8	2,4-D LV4	3.8	EC	0.95	lb ae/a	1	qt/a	FALL	A	88 abc	63 abc	77 bc	86 a	43 efg	30 cde
8	ROUNDUP P-MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A						
8	VALOR XLT	40.3	WG			5	oz/a	FALL	A						
8	VALOR SX	51	WG	0.093	lb ai/a			FALL	A						
8	CLASSIC	25	WG	0.0322	lb ai/a			FALL	A						
8	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
8	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	FALL	A						
8	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
8	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
9	2,4-D LV4	3.8	EC	0.95	lb ae/a	1	qt/a	FALL	A	95 ab	85 ab	88 ab	87 a	47 def	33 cde
9	ROUNDUP P-MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A						
9	VALOR XLT	40.3	WG			6	oz/a	FALL	A						
9	VALOR SX	51	WG	0.112	lb ai/a			FALL	A						
9	CLASSIC	25	WG	0.0387	lb ai/a			FALL	A						
9	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
9	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	FALL	A						
9	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
9	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						

General Evaluation of Fall Herbicides Prior to Soybean.

Trial ID: 08-5C

Location: Belleville Res. Center

Pest Code		AMATA AMATA AMATA AMATA AMATA AMATA													
Crop Code															
Rating Date		06-04-08 06-23-08 06-29-08 07-13-08 07-29-08 08-10-08													
Rating Data Type		Control Control Control Control Control Control													
Rating Unit		Percent Percent Percent Percent Percent Percent													
Rating Timing		10 DAE 10 DAE 10 DAE 4 WAP 6 WAP 8 WAP													
Trt-Eval Interval		44 DA-B 7 DA-C 2 WAP 4 WAP 6 WAP 8 WAP													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
10	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	FALL	A	98 a	90 ab	94 a	88 a	47 def	33 cde
10	2,4-D LV4	3.8	EC	0.95	lb ae/a	1	qt/a	FALL	A						
10	ROUNDUP P-MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A						
10	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	FALL	A						
10	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
10	VALOR XLT	40.3	WG			3	oz/a	30DBP	B						
10	VALOR SX	51	WG	0.056	lb ai/a			30DBP	B						
10	CLASSIC	25	WG	0.0194	lb ai/a			30DBP	B						
10	2,4-D LV4	3.8	EC	0.95	lb ae/a	1	qt/a	30DBP	B						
10	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30DBP	B						
10	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
10	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
11	AUTUMN	10	WG	0.00187	lb ai/a	0.3	oz/a	FALL	A	58 a-f	43 cde	67 cde	83 ab	53 cde	37 cde
11	SPARTAN SC	4	SC	0.125	lb ai/a	4	fl oz/a	FALL	A						
11	PRIME OIL COC	100	SL	1.0	% v/v	1	% v/v	FALL	A						
11	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	FALL	A						
11	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
11	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
12	AUTUMN	10	WG	0.00187	lb ai/a	0.3	oz/a	FALL	A	67 a-e	57 bcd	67 cde	82 abc	50 de	33 cde
12	SPARTAN SC	4	SC	0.25	lb ai/a	8	fl oz/a	FALL	A						
12	PRIME OIL COC	100	SL	1.0	% v/v	1	% v/v	FALL	A						
12	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	FALL	A						
12	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
12	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
13	AUTUMN	10	WG	0.00187	lb ai/a	0.3	oz/a	FALL	A	45 c-g	18 ef	62 c-f	80 a-d	37 fg	27 de
13	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
13	PRIME OIL COC	100	SL	1.0	% v/v	1	% v/v	FALL	A						
13	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	FALL	A						
13	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
13	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
14	AUTUMN	10	WG	0.00187	lb ai/a	0.3	oz/a	FALL	A	25 efg	23 def	57 d-g	83 abc	43 efg	27 de
14	ROUNDUP W-MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A						
14	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
14	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
14	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
15	ROUNDUP W-MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A	43 c-g	45 cde	65 c-f	83 ab	47 def	37 cde
15	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
15	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
15	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
15	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
16	CANOPY EX	29.5	WG			2	oz/a	FALL	A	25 efg	10 ef	52 efg	75 b-e	63 c	40 cd
16	CLASSIC	25	WG	0.0283	lb ai/a			FALL	A						
16	EXPRESS XP	75	WG	0.00848	lb ai/a			FALL	A						
16	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
16	PRIME OIL COC	100	SL	1.0	% v/v	1	% v/v	FALL	A						
16	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
16	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
17	AUTHORITY MTZ	45	WG	0.31	lb ai/a	11	oz/a	FALL	A	50 b-f	45 cde	66 cde	81 a-d	37 fg	23 e
17	EXPRESS XP	75	WG	0.0047	lb ai/a	0.1	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	SL	1	pt/a	1	pt/a	FALL	A						
17	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
17	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
18	SCEPTER	70	WG	0.122	lb ai/a	2.8	oz/a	FALL	A	17 fg	22 def	57 d-g	79 a-d	43 efg	27 de
18	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
18	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
18	PRIME OIL COC	100	SL	1	pt/a	1	pt/a	FALL	A						
18	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
18	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						

General Evaluation of Fall Herbicides Prior to Soybean.

Trial ID: 08-5C Location: Belleville Res. Center

Pest Code		AMATA AMATA AMATA AMATA AMATA AMATA													
Crop Code															
Rating Date		06-04-08	06-23-08	06-29-08	07-13-08	07-29-08	08-10-08								
Rating Data Type		Control	Control	Control	Control	Control	Control								
Rating Unit		Percent	Percent	Percent	Percent	Percent	Percent								
Rating Timing				10 DAE	25 DAE										
Trt-Eval Interval		44 DA-B	7 DA-C	2 WAP	4 WAP	6 WAP	8 WAP								
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
19	EXTREME	2.17	SL	0.81	lb ai/a	3	pt/a	FALL	A	33 efg	28 c-f	57 d-g	72 cde	37 fg	27 de
19	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
19	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
19	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	FALL	A						
19	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
19	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
20	CANOPY EX	29.5	WG			1.5	oz/a	FALL	A	17 fg	0 f	42 g	65 ef	33 g	23 e
20	CLASSIC	25	WG	0.0212	lb ai/a			FALL	A						
20	EXPRESS XP	75	WG	0.00636	lb ai/a			FALL	A						
20	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
20	ROUNDUP P-MAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	FALL	A						
20	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	FALL	A						
20	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
20	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
20	SYNCHRONY XP	28.4	WG			0.33	oz/a	POST-1	D						
20	CLASSIC	25	WG	0.00444	lb ai/a			POST-1	D						
20	HARMONY GT XP	75	WG	0.00143	lb ai/a			POST-1	D						
20	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	POST-1	D						
20	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
21	CANOPY EX	29.5	WG			2	oz/a	FALL	A	42 c-g	37 c-f	58 def	71 de	53 cde	37 cde
21	CLASSIC	25	WG	0.0283	lb ai/a			FALL	A						
21	EXPRESS XP	75	WG	0.00848	lb ai/a			FALL	A						
21	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
21	ROUNDUP P-MAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	FALL	A						
21	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	FALL	A						
21	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
21	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D						
21	SYNCHRONY XP	28.4	WG			0.33	oz/a	POST-1	D						
21	CLASSIC	25	WG	0.00444	lb ai/a			POST-1	D						
21	HARMONY GT XP	75	WG	0.00143	lb ai/a			POST-1	D						
21	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	POST-1	D						
21	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D						
22	CANOPY EX	29.5	WG			1.1	oz/a	FALL	A	33 efg	87 ab	93 a	59 f	80 b	77 b
22	CLASSIC	25	WG	0.0156	lb ai/a			FALL	A						
22	EXPRESS XP	75	WG	0.00468	lb ai/a			FALL	A						
22	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
22	ROUNDUP P-MAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	FALL	A						
22	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	FALL	A						
22	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A						
22	ENVIVE	41.3	WG			3	oz/a	PRE	C						
22	CLASSIC	25	WG	0.01714	lb ai/a			PRE	C						
22	HARMONY GT XP	75	WG	0.00551	lb ai/a			PRE	C						
22	VALOR SX	51	WG	0.05443	lb ai/a			PRE	C						
22	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	PRE	C						
22	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-2	E						
22	SYNCHRONY XP	28.4	WG			0.33	oz/a	POST-2	E						
22	CLASSIC	25	WG	0.00444	lb ai/a			POST-2	E						
22	HARMONY GT XP	75	WG	0.00143	lb ai/a			POST-2	E						
22	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	POST-2	E						
22	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-2	E						
LSD (P=.05)										47.6	37.6	15.4	10.4	13.1	15.0
Replicate F										2.461	10.710	7.879	11.050	0.673	2.024
Replicate Prob(F)										0.0976	0.0002	0.0012	0.0001	0.5157	0.1448
Treatment F										2.777	5.070	12.296	25.932	15.388	13.001
Treatment Prob(F)										0.0024	0.0001	0.0001	0.0001	0.0001	0.0001

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

General Evaluation of Fall Herbicides Prior to Soybean.

Trial ID: 08-5C

Location: Belleville Res. Center

Pest Code										GLXMA	GLXMA	GLXMA	GLXMA
Crop Code										06-29-08	07-13-08	07-29-08	08-10-08
Rating Date										Injury	Injury	Injury	Injury
Rating Data Type										Percent	Percent	Percent	Percent
Rating Unit										10 DAE	25 DAE	6 WAP	8 WAP
Rating Timing													
Trt-Eval Interval										2 WAP	4 WAP	6 WAP	8 WAP
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0 a	0 a	0 a	0 a
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	0 a	0 a	0 a	0 a
3	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
2	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A				
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D				
2	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D				
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	0 a	0 a	0 a	0 a
3	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
3	VALOR XLT	40.3	WG			3	oz/a	FALL	A				
3	VALOR SX	51	WG	0.056	lb ai/a			FALL	A				
3	CLASSIC	25	WG	0.0194	lb ai/a			FALL	A				
3	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A				
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D				
3	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D				
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	0 a	0 a	0 a	0 a
4	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
4	CANOPY EX	29.5	WG			2	oz/a	FALL	A				
4	CLASSIC	25	WG	0.0283	lb ai/a			FALL	A				
4	EXPRESS XP	75	WG	0.00848	lb ai/a			FALL	A				
4	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A				
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D				
4	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D				
5	NO FALL HERBS							FALL	A	0 a	0 a	0 a	0 a
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	C				
5	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	PRE	C				
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-2	E				
5	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-2	E				
6	2,4-D LV4	3.8	EC	0.95	lb ae/a	1	qt/a	FALL	A	0 a	0 a	0 a	0 a
6	ROUNDUP P-MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A				
6	VALOR XLT	40.3	WG			3	oz/a	FALL	A				
6	VALOR SX	51	WG	0.056	lb ai/a			FALL	A				
6	CLASSIC	25	WG	0.0194	lb ai/a			FALL	A				
6	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A				
6	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	FALL	A				
6	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D				
6	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D				
7	2,4-D LV4	3.8	EC	0.95	lb ae/a	1	qt/a	FALL	A	0 a	0 a	0 a	0 a
7	ROUNDUP P-MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A				
7	VALOR XLT	40.3	WG			4	oz/a	FALL	A				
7	VALOR SX	51	WG	0.075	lb ai/a			FALL	A				
7	CLASSIC	25	WG	0.0258	lb ai/a			FALL	A				
7	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A				
7	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	FALL	A				
7	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D				
7	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D				
8	2,4-D LV4	3.8	EC	0.95	lb ae/a	1	qt/a	FALL	A	0 a	0 a	0 a	0 a
8	ROUNDUP P-MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A				
8	VALOR XLT	40.3	WG			5	oz/a	FALL	A				
8	VALOR SX	51	WG	0.093	lb ai/a			FALL	A				
8	CLASSIC	25	WG	0.0322	lb ai/a			FALL	A				
8	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A				
8	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	FALL	A				
8	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D				
8	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D				
9	2,4-D LV4	3.8	EC	0.95	lb ae/a	1	qt/a	FALL	A	0 a	0 a	0 a	0 a
9	ROUNDUP P-MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A				
9	VALOR XLT	40.3	WG			6	oz/a	FALL	A				
9	VALOR SX	51	WG	0.112	lb ai/a			FALL	A				
9	CLASSIC	25	WG	0.0387	lb ai/a			FALL	A				
9	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A				
9	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	FALL	A				
9	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D				
9	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D				

General Evaluation of Fall Herbicides Prior to Soybean.

Trial ID: 08-5C

Location: Belleville Res. Center

Pest Code
 Crop Code
 Rating Date
 Rating Data Type
 Rating Unit
 Rating Timing
 Trt-Eval Interval

GLXMA 06-29-08 Injury Percent 10 DAE 2 WAP	GLXMA 07-13-08 Injury Percent 25 DAE 4 WAP	GLXMA 07-29-08 Injury Percent 6 WAP	GLXMA 08-10-08 Injury Percent 8 WAP
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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
10	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	FALL	A	0 a	0 a	0 a	0 a
10	2,4-D LV4	3.8	EC	0.95	lb ae/a	1	qt/a	FALL	A				
10	ROUNDUP P-MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A				
10	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	FALL	A				
10	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A				
10	VALOR XLT	40.3	WG			3	oz/a	30DBP	B				
10	VALOR SX	51	WG	0.056	lb ai/a			30DBP	B				
10	CLASSIC	25	WG	0.0194	lb ai/a			30DBP	B				
10	2,4-D LV4	3.8	EC	0.95	lb ae/a	1	qt/a	30DBP	B				
10	ACTIVATOR 90	100	SL	0.25	% v/v	0.25	% v/v	30DBP	B				
10	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D				
10	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D				
11	AUTUMN	10	WG	0.00187	lb ai/a	0.3	oz/a	FALL	A	0 a	0 a	0 a	0 a
11	SPARTAN SC	4	SC	0.125	lb ai/a	4	fl oz/a	FALL	A				
11	PRIME OIL COC	100	SL	1.0	% v/v	1	% v/v	FALL	A				
11	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	FALL	A				
11	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D				
11	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D				
12	AUTUMN	10	WG	0.00187	lb ai/a	0.3	oz/a	FALL	A	0 a	0 a	0 a	0 a
12	SPARTAN SC	4	SC	0.25	lb ai/a	8	fl oz/a	FALL	A				
12	PRIME OIL COC	100	SL	1.0	% v/v	1	% v/v	FALL	A				
12	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	FALL	A				
12	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D				
12	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D				
13	AUTUMN	10	WG	0.00187	lb ai/a	0.3	oz/a	FALL	A	0 a	0 a	0 a	0 a
13	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
13	PRIME OIL COC	100	SL	1.0	% v/v	1	% v/v	FALL	A				
13	28% UAN	100	SL	1.5	qt/a	1.5	qt/a	FALL	A				
13	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D				
13	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D				
14	AUTUMN	10	WG	0.00187	lb ai/a	0.3	oz/a	FALL	A	0 a	0 a	0 a	0 a
14	ROUNDUP W-MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A				
14	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A				
14	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D				
14	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D				
15	ROUNDUP W-MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	FALL	A	0 a	0 a	0 a	0 a
15	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
15	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A				
15	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D				
15	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D				
16	CANOPY EX	29.5	WG			2	oz/a	FALL	A	0 a	0 a	0 a	0 a
16	CLASSIC	25	WG	0.0283	lb ai/a			FALL	A				
16	EXPRESS XP	75	WG	0.00848	lb ai/a			FALL	A				
16	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
16	PRIME OIL COC	100	SL	1.0	% v/v	1	% v/v	FALL	A				
16	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D				
16	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D				
17	AUTHORITY MTZ	45	WG	0.31	lb ai/a	11	oz/a	FALL	A	0 a	0 a	0 a	0 a
17	EXPRESS XP	75	WG	0.0047	lb ai/a	0.1	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	SL	1	pt/a	1	pt/a	FALL	A				
17	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D				
17	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D				
18	SCEPTER	70	WG	0.122	lb ai/a	2.8	oz/a	FALL	A	0 a	0 a	0 a	0 a
18	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
18	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A				
18	PRIME OIL COC	100	SL	1	pt/a	1	pt/a	FALL	A				
18	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D				
18	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D				

General Evaluation of Fall Herbicides Prior to Soybean.

Trial ID: 08-5C Location: Belleville Res. Center

Pest Code										GLXMA	GLXMA	GLXMA	GLXMA
Crop Code										06-29-08	07-13-08	07-29-08	08-10-08
Rating Date										Injury	Injury	Injury	Injury
Rating Data Type										Percent	Percent	Percent	Percent
Rating Unit										10 DAE	25 DAE	6 WAP	8 WAP
Rating Timing													
Trt-Eval Interval										2 WAP	4 WAP	6 WAP	8 WAP
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
19	EXTREME	2.17	SL	0.81	lb ai/a	3	pt/a	FALL	A	0 a	0 a	0 a	0 a
19	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
19	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A				
19	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	FALL	A				
19	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D				
19	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D				
20	CANOPY EX	29.5	WG			1.5	oz/a	FALL	A	0 a	0 a	0 a	0 a
20	CLASSIC	25	WG	0.0212	lb ai/a			FALL	A				
20	EXPRESS XP	75	WG	0.00636	lb ai/a			FALL	A				
20	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
20	ROUNDUP P-MAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	FALL	A				
20	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	FALL	A				
20	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A				
20	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D				
20	SYNCHRONY XP	28.4	WG			0.33	oz/a	POST-1	D				
20	CLASSIC	25	WG	0.00444	lb ai/a			POST-1	D				
20	HARMONY GT XP	75	WG	0.00143	lb ai/a			POST-1	D				
20	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	POST-1	D				
20	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D				
21	CANOPY EX	29.5	WG			2	oz/a	FALL	A	0 a	0 a	0 a	0 a
21	CLASSIC	25	WG	0.0283	lb ai/a			FALL	A				
21	EXPRESS XP	75	WG	0.00848	lb ai/a			FALL	A				
21	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
21	ROUNDUP P-MAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	FALL	A				
21	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	FALL	A				
21	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A				
21	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-1	D				
21	SYNCHRONY XP	28.4	WG			0.33	oz/a	POST-1	D				
21	CLASSIC	25	WG	0.00444	lb ai/a			POST-1	D				
21	HARMONY GT XP	75	WG	0.00143	lb ai/a			POST-1	D				
21	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	POST-1	D				
21	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-1	D				
22	CANOPY EX	29.5	WG			1.1	oz/a	FALL	A	0 a	0 a	0 a	0 a
22	CLASSIC	25	WG	0.0156	lb ai/a			FALL	A				
22	EXPRESS XP	75	WG	0.00468	lb ai/a			FALL	A				
22	2,4-D LV4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
22	ROUNDUP P-MAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	FALL	A				
22	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	FALL	A				
22	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	FALL	A				
22	ENVIVE	41.3	WG			3	oz/a	PRE	C				
22	CLASSIC	25	WG	0.01714	lb ai/a			PRE	C				
22	HARMONY GT XP	75	WG	0.00551	lb ai/a			PRE	C				
22	VALOR SX	51	WG	0.05443	lb ai/a			PRE	C				
22	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	PRE	C				
22	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	POST-2	E				
22	SYNCHRONY XP	28.4	WG			0.33	oz/a	POST-2	E				
22	CLASSIC	25	WG	0.00444	lb ai/a			POST-2	E				
22	HARMONY GT XP	75	WG	0.00143	lb ai/a			POST-2	E				
22	ACTIVATOR 90	100	SL	0.125	% v/v	0.125	% v/v	POST-2	E				
22	AMS - LIQUID	100	SL	5	% v/v	5	% v/v	POST-2	E				
LSD (P=.05)										0.0	0.0	0.0	0.0
Replicate F										0.000	0.000	0.000	0.000
Replicate Prob(F)										1.0000	1.0000	1.0000	1.0000
Treatment F										0.000	0.000	0.000	0.000
Treatment Prob(F)										1.0000	1.0000	1.0000	1.0000

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

General Evaluation of Fall Herbicides Prior to Soybean.

Trial ID: 08-5C

Location: Belleville Res. Center

Trial Comments

1. Protocol: Valent (MD 64.12), Monsanto, Bayer (BPB11), FMC, BASF, DuPont.
2. Ratings WC 21 DA-A, March 1, April 1, and 10 + 25 DA crop emergence.
WC + CI at 2, 4, 6 + 8 WAP.
3. Ratings for residual control of summer annuals is important.
4. At the Belleville Research Center the above normal rainfall in spring 2008 (no more than four consecutive rain-free days between March 22 and June 15) delayed corn and soybean planting until mid-June.
Following the PRE application on June 16, rainfall was 0.29 inch 4 days later and 0.35 inch 11 days later.
5. DA-A = Days after FALL application. DA-B = Days after 30DBP application. DA-C = Days after PRE application.
DAE = Days after crop emergence. WAP = Weeks after planting.
6. In the nontreated plots, non-zero weed control is a result of competition among weeds.
7. Not harvested.