

Chlorimuron Ethyl Preplant Applications in No-Till Soybean.

Project Code: 05-11C-S120 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: 11-14-05

Objective:
 Compare various chlorimuron ethyl offerings for efficacy
 in no-till Roundup Ready soybean.

Weed Code	Common Name	Scientific Name
1.	ALOCA foxtail, Carolina	Alopecurus carolinianus Walt.
2.	RANAB buttercup, smallflower	Ranunculus abortivus L.
3.	ALLVI garlic, wild	Allium vineale L.
4.	AMBEL ragweed, common	Ambrosia artemisiifolia L.
5.	AMBTR ragweed, giant	Ambrosia trifida L.
6.	POLPY smartweed, Pennsylvania	Polygonum pensylvanicum L.
7.	STEME chickweed, common	Stellaria media (L.) Vill.
8.	AMATA waterhemp, common	Amaranthus rudis Sauer
9.	IPOHE morningglory, ivyleaf	Ipomoea hederacea (L.) Jacq.

Crop 1: GLXMA soybean Variety: P94M40 RR/STS
 Planting Method: Seeded Planting Date: 5-16-05
 Rate: 75 lb/A Depth: 1.0 IN
 Row Spacing: 30 IN

Plot Width, Unit: 10 FT Plot Length, Unit: 30 FT Reps: 3
 Tillage Type: No-Till Study Design: Randomized complete block
 Previous Crop, Year: ZEAMX, 2004

Field Prep./Maintenance: N 0 LB/A, P205 50 LB/A, K20 100 LB/A

Soil Name: Ebbert % OM: 2.3 pH: 5.8 CEC: 13
 Texture: Silt loam Fert. Level: P1: 84 LB/A, K: 456 LB/A

APPLICATION DESCRIPTION

	A	B
Application Date:	05-02-05	06-13-05
Time of Day:	8:00	10:00
Application Method:	Spray	Spray
Application Timing:	14DBP	28DAP
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	44 F	79 F
% Relative Humidity:	54	83
Wind Velocity, Unit:	7 MPH	5 MPH
Soil Moisture:	ABONOR	BELNOR

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GLXMA NA	GLXMA V2-V3
Height, Unit:	NA NA	4-6 IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code:	ALOCA	
Stage (leaves):	5-6	
Height (inches):	6-8	
Density:	Medium	
Weed 2 Code:	RANAB	
Stage (leaves):	10+	
Height (inches):	8-12	
Density:	Medium	
Weed 3 Code:	ALLVI	ALLVI
Stage (leaves):	3-4	3-4
Height (inches):	8-12	8-16
Density:	High	Low
Weed 4 Code:	AMBEL	
Stage (leaves):	3-4	
Height (inches):	1-3	
Density:	Low	
Weed 7 Code:	STEME	
Stage (leaves):	10+	
Height (inches):	4-6	
Density:	Low	
Weed 8 Code:		AMATA
Stage (leaves):		5-6
Height (inches):		2-4
Density:		Low

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 sprayer	CO2 sprayer
Operating Pressure:	40 PSI	40 PSI
Nozzle Type:	Flat fan	Flat fan
Nozzle Size:	8003	8002
Boom Length, Unit:	7.5 FT	7.5 FT
Spray Volume, Unit:	20 GPA	20 GPA

NOTES:

Chlorimuron Ethyl Preplant Applications in No-Till Soybean.

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Weed Code	ALOCA	RANAB	ALLVI	AMBTR	POLPY	GLXMA	GLXMA	GLXMA
Crop Code	Control	Control	Control	Control	Control	Injury	Injury	Injury
Rating Data Type	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit	05-16-05	05-16-05	05-16-05	05-16-05	05-16-05	05-30-05	06-13-05	07-11-05
Rating Date	0 DAP	0 DAP	0 DAP	0 DAP	0 DAP	14 DAP	0 DA-B	28 DA-B
Trt-Eval Interval								

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	ALOCA	RANAB	ALLVI	AMBTR	POLPY	GLXMA Injury Percent	GLXMA Injury Percent	GLXMA Injury Percent
1	SYNCHRONY XP	28.4	WG			1.125	oz/a	14DBP	A	0	99	43	99	99	0	0	0
1	->CLASSIC	25	WG	0.0151	lb ai/a			14DBP	A								
1	->HARMONY GT XP	75	WG	0.00488	lb ai/a			14DBP	A								
1	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
1	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
1	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
1	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
2	CANOPY EX	29.5	WG			1.1	oz/a	14DBP	A	35	99	53	99	99	0	0	0
2	->CLASSIC	25	WG	0.0156	lb ai/a			14DBP	A								
2	->EXPRESS	75	WG	0.00469	lb ai/a			14DBP	A								
2	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
2	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
2	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
2	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
3	CANOPY	75	WG			2.2	oz/a	14DBP	A	33	99	35	99	99	0	0	0
3	->CLASSIC	25	WG	0.0147	lb ai/a			14DBP	A								
3	->SENCOR	75	WG	0.0881	lb ai/a			14DBP	A								
3	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
3	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
3	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
3	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
4	PREVIEW	75	WG			3.7	oz/a	14DBP	A	42	99	43	99	99	0	0	0
4	->CLASSIC	25	WG	0.0151	lb ai/a			14DBP	A								
4	->SENCOR	75	WG	0.158	lb ai/a			14DBP	A								
4	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
4	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
4	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
4	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
5	LOROX PLUS	60	WG			8	oz/a	14DBP	A	25	98	42	99	99	0	0	0
5	->CLASSIC	25	WG	0.0155	lb ai/a			14DBP	A								
5	->LOROX	50	WG	0.284	lb ai/a			14DBP	A								
5	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
5	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
5	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
5	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
6	CANOPY XL	56.3	WG			2.5	oz/a	14DBP	A	40	99	55	99	99	0	0	0
6	->CLASSIC	25	WG	0.0147	lb ai/a			14DBP	A								
6	->AUTHORITY	75	WG	0.0731	lb ai/a			14DBP	A								
6	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
6	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
6	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
6	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
7	CLASSIC	25	WG	0.0156	lb ai/a	1	oz/a	14DBP	A	32	99	47	99	99	0	0	0
7	VALOR	51	WG	0.0638	lb ai/a	2	oz/a	14DBP	A								
7	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
7	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
7	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
7	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
8	SYNCHRONY XP	28.4	WG			2	oz/a	14DBP	A	28	99	48	99	99	0	0	0
8	->CLASSIC	25	WG	0.0269	lb ai/a			14DBP	A								
8	->HARMONY GT XP	75	WG	0.00863	lb ai/a			14DBP	A								
8	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
8	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
8	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
8	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
9	CANOPY EX	29.5	WG			1.9	oz/a	14DBP	A	28	99	48	99	99	0	0	0
9	->CLASSIC	25	WG	0.0269	lb ai/a			14DBP	A								
9	->EXPRESS	75	WG	0.00806	lb ai/a			14DBP	A								
9	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
9	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
9	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
9	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								

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Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	ALOCA	RANAB	ALLVI	AMBTR	POLPY	GLXMA	GLXMA	GLXMA				
						Control Percent 05-16-05 0 DAP	Control Percent 05-16-05 0 DAP	Control Percent 05-16-05 0 DAP	Control Percent 05-16-05 0 DAP	Control Percent 05-16-05 0 DAP	Injury Percent 05-30-05 14 DAP	Injury Percent 06-13-05 0 DA-B	Injury Percent 07-11-05 28 DA-B				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code								
10	CANOPY	75	WG				4 oz/a	14DBP	A	22	99	30	99	99	0	0	0
10	->CLASSIC	25	WG	0.0268	lb ai/a			14DBP	A								
10	->SENCOR	75	WG	0.161	lb ai/a			14DBP	A								
10	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
10	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
10	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
10	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
11	PREVIEW	75	WG				6.6 oz/a	14DBP	A	22	99	30	99	99	0	0	0
11	->CLASSIC	25	WG	0.0268	lb ai/a			14DBP	A								
11	->SENCOR	75	WG	0.283	lb ai/a			14DBP	A								
11	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
11	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
11	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
11	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
12	LOROX PLUS	60	WG				13.9 oz/a	14DBP	A	33	99	35	99	99	0	0	0
12	->CLASSIC	25	WG	0.0269	lb ai/a			14DBP	A								
12	->LOROX	50	WG	0.494	lb ai/a			14DBP	A								
12	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
12	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
12	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
12	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
13	CANOPY XL	56.3	WG				4.5 oz/a	14DBP	A	23	99	38	99	99	0	0	0
13	->CLASSIC	25	WG	0.0264	lb ai/a			14DBP	A								
13	->AUTHORITY	75	WG	0.132	lb ai/a			14DBP	A								
13	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
13	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
13	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
13	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
14	CLASSIC	25	WG	0.0266	lb ai/a		1.7 oz/a	14DBP	A	35	99	50	99	99	0	0	0
14	VALOR	51	WG	0.0638	lb ai/a		2 oz/a	14DBP	A								
14	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
14	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
14	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
14	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
15	LINEX	4	L				1 pt/a	14DBP	A	8	96	10	99	99	0	0	0
15	->LOROX	50	WG	0.5	lb ai/a			14DBP	A								
15	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
15	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
15	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
15	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
16	LINEX	4	L				1.5 pt/a	14DBP	A	0	96	3	99	99	0	0	0
16	->LOROX	50	WG	0.75	lb ai/a			14DBP	A								
16	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
16	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
16	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
16	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
17	SENCOR	75	WG	0.281	lb ai/a		6 oz/a	14DBP	A	0	91	10	99	99	0	0	0
17	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
17	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
17	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
17	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
18	EXTREME	2.17	SL	0.81	lb ai/a		3 pt/a	14DBP	A	99	99	38	99	99	0	0	0
18	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
18	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14DBP	A								
18	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	14DBP	A								
18	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
18	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
19	NONTREATED									0	0	0	0	0	0	0	0
20	KARMEX	80	WG	0.8	lb ai/a		1 lb/a	14DBP	A	32	98	60	99	99	0	0	0
20	HARMONY GT XP	75	WG	0.0155	lb ai/a		0.33 oz/a	14DBP	A								
20	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
20	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
20	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
20	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								

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Weed Code		Crop Code		Rating Data Type		Rating Unit		Rating Date		Trt-Eval Interval		ALOCA	RANAB	ALLVI	AMBTR	POLPY	GLXMA	GLXMA	GLXMA
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	Control Percent	Control Percent	Control Percent	Control Percent	Control Percent	Injury Percent	Injury Percent	Injury Percent		
										05-16-05	05-16-05	05-16-05	05-16-05	05-16-05	05-30-05	06-13-05	07-11-05		
										0 DAP	0 DAP	0 DAP	0 DAP	0 DAP	14 DAP	0 DA-B	28 DA-B		
21	KARMEX	80	WG	0.4	lb ai/a	0.5	lb/a	14DBP	A	12	98	25	96	99	0	0	0		
21	HARMONY GT XP	75	WG	0.0155	lb ai/a	0.33	oz/a	14DBP	A										
21	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A										
21	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A										
21	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B										
21	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B										
22	KARMEX	80	WG	1.6	lb ai/a	2	lb/a	14DBP	A	27	99	13	99	99	0	0	0		
22	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A										
22	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A										
22	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B										
22	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B										
23	KARMEX	80	WG	0.8	lb ai/a	1	lb/a	14DBP	A	23	99	27	99	99	0	0	0		
23	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A										
23	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A										
23	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B										
23	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B										
24	KARMEX	80	WG	0.8	lb ai/a	1	lb/a	14DBP	A	40	99	40	99	99	0	0	0		
24	CLASSIC	25	WG	0.0312	lb ai/a	2	oz/a	14DBP	A										
24	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A										
24	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A										
24	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B										
24	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B										
LSD (P=.05)										12.5	3.4	15.8	1.8	0.0	0.0	0.0	0.0		
Replicate F										1.387	2.354	0.420	1.000	0.000	0.000	0.000	0.000		
Replicate Prob(F)										0.2600	0.1064	0.6596	0.3757	1.0000	1.0000	1.0000	1.0000		
Treatment F										21.889	281.198	9.186	1087.131	0.000	0.000	0.000	0.000		
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	1.0000	1.0000	1.0000	1.0000		

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Weed Code										AMBEL	AMBEL	AMBEL	SETFA	SETFA	AMATA	AMATA	IPOHE
Crop Code										Control	Control	Control	Control	Control	Control	Control	Control
Rating Data Type										Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit										05-16-05	06-13-05	07-11-05	06-13-05	07-11-05	06-13-05	07-11-05	07-11-05
Rating Date										0 DAP	0 DA-B	28 DA-B	0 DA-B	28 DA-B	0 DA-B	28 DA-B	28 DA-B
Trt-Eval Interval																	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code								
1	SYNCHRONY XP	28.4	WG			1.125	oz/a	14DBP	A	99	94	99	0	84	0	85	62
1	->CLASSIC	25	WG	0.0151	lb ai/a			14DBP	A								
1	->HARMONY GT XP	75	WG	0.00488	lb ai/a			14DBP	A								
1	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
1	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
1	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
1	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
2	CANOPY EX	29.5	WG			1.1	oz/a	14DBP	A	99	99	99	0	88	0	92	79
2	->CLASSIC	25	WG	0.0156	lb ai/a			14DBP	A								
2	->EXPRESS	75	WG	0.00469	lb ai/a			14DBP	A								
2	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
2	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
2	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
2	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
3	CANOPY	75	WG			2.2	oz/a	14DBP	A	99	98	99	0	93	0	92	77
3	->CLASSIC	25	WG	0.0147	lb ai/a			14DBP	A								
3	->SENCOR	75	WG	0.0881	lb ai/a			14DBP	A								
3	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
3	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
3	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
3	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
4	PREVIEW	75	WG			3.7	oz/a	14DBP	A	99	99	99	0	92	0	85	75
4	->CLASSIC	25	WG	0.0151	lb ai/a			14DBP	A								
4	->SENCOR	75	WG	0.158	lb ai/a			14DBP	A								
4	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
4	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
4	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
4	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
5	LOROX PLUS	60	WG			8	oz/a	14DBP	A	99	99	99	0	89	0	92	88
5	->CLASSIC	25	WG	0.0155	lb ai/a			14DBP	A								
5	->LOROX	50	WG	0.284	lb ai/a			14DBP	A								
5	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
5	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
5	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
5	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
6	CANOPY XL	56.3	WG			2.5	oz/a	14DBP	A	99	99	99	7	92	0	97	89
6	->CLASSIC	25	WG	0.0147	lb ai/a			14DBP	A								
6	->AUTHORITY	75	WG	0.0731	lb ai/a			14DBP	A								
6	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
6	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
6	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
6	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
7	CLASSIC	25	WG	0.0156	lb ai/a	1	oz/a	14DBP	A	99	99	99	0	91	0	98	87
7	VALOR	51	WG	0.0638	lb ai/a	2	oz/a	14DBP	A								
7	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
7	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
7	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
7	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
8	SYNCHRONY XP	28.4	WG			2	oz/a	14DBP	A	99	99	99	0	91	0	90	78
8	->CLASSIC	25	WG	0.0269	lb ai/a			14DBP	A								
8	->HARMONY GT XP	75	WG	0.00863	lb ai/a			14DBP	A								
8	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
8	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
8	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
8	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
9	CANOPY EX	29.5	WG			1.9	oz/a	14DBP	A	99	99	99	0	91	0	88	88
9	->CLASSIC	25	WG	0.0269	lb ai/a			14DBP	A								
9	->EXPRESS	75	WG	0.00806	lb ai/a			14DBP	A								
9	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
9	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
9	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
9	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								

Chlorimuron Ethyl Preplant Applications in No-Till Soybean.

Project Code: 05-11C-S120 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code				AMBEL	AMBEL	AMBEL	SETFA	SETFA	AMATA	AMATA	IPOHE						
Crop Code				Control	Control	Control	Control	Control	Control	Control	Control						
Rating Data Type				Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent						
Rating Unit				05-16-05	06-13-05	07-11-05	06-13-05	07-11-05	06-13-05	07-11-05	07-11-05						
Rating Date				0 DAP	0 DA-B	28 DA-B	0 DA-B	28 DA-B	0 DA-B	28 DA-B	28 DA-B						
Trt-Eval Interval																	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code								
21	KARMEX	80	WG	0.4	lb ai/a	0.5	lb/a	14DBP	A	96	99	99	0	90	0	92	50
21	HARMONY GT XP	75	WG	0.0155	lb ai/a	0.33	oz/a	14DBP	A								
21	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
21	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
21	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
21	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
22	KARMEX	80	WG	1.6	lb ai/a	2	lb/a	14DBP	A	99	99	99	67	96	0	99	70
22	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
22	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
22	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
22	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
23	KARMEX	80	WG	0.8	lb ai/a	1	lb/a	14DBP	A	99	99	99	0	94	0	98	75
23	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
23	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
23	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
23	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
24	KARMEX	80	WG	0.8	lb ai/a	1	lb/a	14DBP	A	99	99	99	77	95	0	92	95
24	CLASSIC	25	WG	0.0312	lb ai/a	2	oz/a	14DBP	A								
24	2,4-D LV4	3.8	EC	0.5	lb ai/a	1.05	pt/a	14DBP	A								
24	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	14DBP	A								
24	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B								
24	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	28DAP	B								
LSD (P=.05)										1.9	3.8	0.0	18.9	5.2	0.0	7.4	17.9
Replicate F										2.091	2.686	0.000	1.277	3.628	0.000	1.205	12.337
Replicate Prob(F)										0.1352	0.0788	1.0000	0.2886	0.0344	1.0000	0.3091	0.0001
Treatment F										938.148	230.220	0.000	15.811	106.864	0.000	55.700	12.061
Treatment Prob(F)										0.0001	0.0001	1.0000	0.0001	0.0001	1.0000	0.0001	0.0001

Trial Comments

1. Protocol: DuPont.
2. Ratings: WC at planting, 28-42 days after planting but before POST, and 28 days after POST.
 CI 14 days after planting, 28-42 days after planting but before POST, and 28 days after POST.
3. Application timings; 14DBP = 14 days before planned planting date, 28DAP = 28 days after planting.
4. DAP = Days after planting. 0 DAP = at planting. DA-B = Days after 28DAP application. 0 DA-B = prior to 28DAP application.
5. Ratings for AMATA may be questionable as there was a low population.
6. IPOHE not present at 28DAP application, emerged after 28DAP application.