

Fall Applied Programs for Soybeans - Syngenta.

Project Code: 05-1-MW40 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: 11-03-05

Objective:  
 Evaluate A14534A for efficacy in fall applications prior to spring planting of soybean.

Weed Code	Common Name	Scientific Name
1. STEME	chickweed, common	Stellaria media (L.) Vill.
2. RANAB	buttercup, smallflower	Ranunculus abortivus L.
3. LAMAM	henbit	Lamium amplexicaule L.
4. GGGAN	grasses, annual	
5. PANDI	panicum, fall	Panicum dichotomiflorum Michx.
6. SETFA	foxtail, giant	Setaria faberi Herrm.
7. AMBEL	ragweed, common	Ambrosia artemisiifolia L.
8. AMATA	waterhemp, common	Amaranthus rudis Sauer
9. AMBTR	ragweed, giant	Ambrosia trifida L.
10. ERICA	horseweed	Conyza canadensis (L.) Crong.
11. CHEAL	lambquarters, common	Chenopodium album L.

Crop 1: GLXMA soybean Variety: P94M40 RR/STS  
 Planting Method: Seeded Planting Date: 5-11-05  
 Rate: 75 lb/A Depth: 1.0 IN  
 Row Spacing: 30 IN

Plot Width, Unit: 10 FT Plot Length, Unit: 31 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: Weir % OM: 1.6 pH: 6.2 CEC: 8  
 Texture: Silt loam Fert. Level: P1: 83 LB/A, K: 396 LB/A

APPLICATION DESCRIPTION

	A	B
Application Date:	11-17-04	05-25-05
Time of Day:	9:30	11:00
Application Method:	Spray	Spray
Application Timing:	FALL	EPOST
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	64 F	70
% Relative Humidity:	86	42
Wind Velocity, Unit:	0 MPH	3 MPH
Soil Moisture:	ABONOR	BELNOR

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GLXMA NA	GLXMA UNIFOL
Height, Unit:	NA NA	2-3 IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code:	STEME	
Stage (leaves):	10+	
Height (inches):	1-2	
Density:	Medium	
Weed 2 Code:	RANAB	
Stage (leaves):	4-6	
Height (inches):	1-2	
Density:	Medium	
Weed 3 Code:	LAMAM	
Stage (leaves):	10+	
Height (inches):	1-2	
Density:	Medium	
Weed 5 Code:		PANDI
Stage (leaves):		5-6
Height (inches):		4-6
Density:		Medium
Weed 6 Code:		SETFA
Stage (leaves):		5-6
Height (inches):		4-6
Density:		Medium
Weed 8 Code:		AMATA
Stage (leaves):		10+
Height (inches):		2-6
Density:		Low

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Weed10 Code:                    ERICA  
 Stage (leaves) :                10+  
 Height (inches) :               4-12  
 Density:                         Low

Weed11 Code:                    CHEAL  
 Stage (leaves) :                10+  
 Height (inches) :               4-24  
 Density:                         Low

**APPLICATION EQUIPMENT**

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

NOTES:

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								STEME	STEME	RANAB	RANAB	LAMAM	LAMAM	
								Control	Control	Control	Control	Control	Control	
								Percent	Percent	Percent	Percent	Percent	Percent	
								04-01-05	05-01-05	04-01-05	05-01-05	04-01-05	05-01-05	
								135 DA-A	165 DA-A	135 DA-A	165 DA-A	135 DA-A	165 DA-A	
Trt	Treatment	Form	Form	Rate	Prod	Prod	Grow	Appl						
No.	Name	Conc	Type	Unit	Rate	Unit	Stg	Code						
1	A14534A	5.32	EW	0.664 lb ai/a	1	pt/a	FALL	A	99	99	99	99	95	95
1	PRIME OIL COC	100	LIQ	1.0 % v/v	1	% v/v	FALL	A						
1	28% UAN	100	LIQ	2.0 % v/v	2	% v/v	FALL	A						
1	TOUCHDOWN TOTAL	4.17	SC	0.78 lb ae/a	24	fl oz/a	EPOST	B						
1	AMS	100	DRY	2.0 % w/w	17	lb/100 gal	EPOST	B						
2	A14534A	5.32	EW	1 lb ai/a	1.5	pt/a	FALL	A	99	99	99	99	98	98
2	PRIME OIL COC	100	LIQ	1.0 % v/v	1	% v/v	FALL	A						
2	28% UAN	100	LIQ	2.0 % v/v	2	% v/v	FALL	A						
2	TOUCHDOWN TOTAL	4.17	SC	0.78 lb ae/a	24	fl oz/a	EPOST	B						
2	AMS	100	DRY	2.0 % w/w	17	lb/100 gal	EPOST	B						
3	A14534A	5.32	EW	1.33 lb ai/a	2.0	pt/a	FALL	A	99	99	99	99	98	98
3	PRIME OIL COC	100	LIQ	1.0 % v/v	1	% v/v	FALL	A						
3	28% UAN	100	LIQ	2.0 % v/v	2	% v/v	FALL	A						
3	TOUCHDOWN TOTAL	4.17	SC	0.78 lb ae/a	24	fl oz/a	EPOST	B						
3	AMS	100	DRY	2.0 % w/w	17	lb/100 gal	EPOST	B						
4	CANOPY EX	29.5	WG		1.1	oz/a	FALL	A	99	99	99	99	99	99
4	->CLASSIC	25	WG	0.0156 lb ai/a			FALL	A						
4	->EXPRESS	75	WG	0.0047 lb ai/a			FALL	A						
4	PRIME OIL COC	100	LIQ	1.0 % v/v	1	% v/v	FALL	A						
4	28% UAN	100	LIQ	2.0 % v/v	2	% v/v	FALL	A						
4	TOUCHDOWN TOTAL	4.17	SC	0.78 lb ae/a	24	fl oz/a	EPOST	B						
4	AMS	100	DRY	2.0 % w/w	17	lb/100 gal	EPOST	B						
5	GRAMOXONE MAX	3	SL	0.56 lb ai/a	1.5	pt/a	FALL	A	99	99	99	99	87	87
5	PRIME OIL COC	100	LIQ	1.0 % v/v	1	% v/v	FALL	A						
5	28% UAN	100	LIQ	2.0 % v/v	2	% v/v	FALL	A						
5	TOUCHDOWN TOTAL	4.17	SC	0.78 lb ae/a	24	fl oz/a	EPOST	B						
5	AMS	100	DRY	2.0 % w/w	17	lb/100 gal	EPOST	B						
6	A14534A	5.32	EW	0.664 lb ai/a	1	pt/a	FALL	A	99	99	99	99	96	96
6	GRAMOXONE MAX	3	SL	0.56 lb ai/a	1.5	pt/a	FALL	A						
6	PRIME OIL COC	100	LIQ	1.0 % v/v	1	% v/v	FALL	A						
6	28% UAN	100	LIQ	2.0 % v/v	2	% v/v	FALL	A						
6	TOUCHDOWN TOTAL	4.17	SC	0.78 lb ae/a	24	fl oz/a	EPOST	B						
6	AMS	100	DRY	2.0 % w/w	17	lb/100 gal	EPOST	B						
7	A14534A	5.32	EW	1 lb ai/a	1.5	pt/a	FALL	A	99	99	99	99	99	99
7	GRAMOXONE MAX	3	SL	0.56 lb ai/a	1.5	pt/a	FALL	A						
7	PRIME OIL COC	100	LIQ	1.0 % v/v	1	% v/v	FALL	A						
7	28% UAN	100	LIQ	2.0 % v/v	2	% v/v	FALL	A						
7	TOUCHDOWN TOTAL	4.17	SC	0.78 lb ae/a	24	fl oz/a	EPOST	B						
7	AMS	100	DRY	2.0 % w/w	17	lb/100 gal	EPOST	B						
8	A14534A	5.32	EW	1.33 lb ai/a	2.0	pt/a	FALL	A	99	99	99	99	99	99
8	GRAMOXONE MAX	3	SL	0.56 lb ai/a	1.5	pt/a	FALL	A						
8	PRIME OIL COC	100	LIQ	1.0 % v/v	1	% v/v	FALL	A						
8	28% UAN	100	LIQ	2.0 % v/v	2	% v/v	FALL	A						
8	TOUCHDOWN TOTAL	4.17	SC	0.78 lb ae/a	24	fl oz/a	EPOST	B						
8	AMS	100	DRY	2.0 % w/w	17	lb/100 gal	EPOST	B						
9	CANOPY EX	29.5	WG		1.1	oz/a	FALL	A	99	99	99	99	99	99
9	->CLASSIC	25	WG	0.0156 lb ai/a			FALL	A						
9	->EXPRESS	75	WG	0.0047 lb ai/a			FALL	A						
9	GRAMOXONE MAX	3	SL	0.56 lb ai/a	1.5	pt/a	FALL	A						
9	PRIME OIL COC	100	LIQ	1.0 % v/v	1	% v/v	FALL	A						
9	28% UAN	100	LIQ	2.0 % v/v	2	% v/v	FALL	A						
9	TOUCHDOWN TOTAL	4.17	SC	0.78 lb ae/a	24	fl oz/a	EPOST	B						
9	AMS	100	DRY	2.0 % w/w	17	lb/100 gal	EPOST	B						
10	NO FALL HERBICIDES								99	99	99	99	99	99
10	TOUCHDOWN TOTAL	4.17	SC	0.78 lb ae/a	24	fl oz/a	EPOST	B						
10	AMS	100	DRY	2.0 % w/w	17	lb/100 gal	EPOST	B						
LSD (P=.05)									0.3	0.3	0.3	0.3	4.8	4.8
Replicate F									1.000	1.000	1.000	1.000	1.303	1.303
Replicate Prob(F)									0.3874	0.3874	0.3874	0.3874	0.2961	0.2961
Treatment F									1.000	1.000	1.000	1.000	5.707	5.707
Treatment Prob(F)									0.4742	0.4742	0.4742	0.4742	0.0009	0.0009

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Weed Code						GLXMA	GLXMA	GGGAN	GGGAN	AMBEL	AMBEL				
Crop Code						Injury	Injury	Control	Control	Control	Control				
Rating Data Type						Percent	Percent	Percent	Percent	Percent	Percent				
Rating Unit						06-08-05	06-22-05	06-08-05	06-22-05	06-08-05	06-22-05				
Rating Date						14 DA-B	28 DA-B	14 DA-B	28 DA-B	14 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	A14534A	5.32	EW	0.664	lb ai/a	1	pt/a	FALL	A	99	0	99	98	99	99
1	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
1	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A						
1	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B						
1	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B						
2	A14534A	5.32	EW	1	lb ai/a	1.5	pt/a	FALL	A	99	0	99	97	99	99
2	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
2	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A						
2	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B						
2	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B						
3	A14534A	5.32	EW	1.33	lb ai/a	2.0	pt/a	FALL	A	99	0	99	98	98	99
3	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
3	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A						
3	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B						
3	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B						
4	CANOPY EX	29.5	WG			1.1	oz/a	FALL	A	99	0	99	98	99	99
4	->CLASSIC	25	WG	0.0156	lb ai/a			FALL	A						
4	->EXPRESS	75	WG	0.0047	lb ai/a			FALL	A						
4	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
4	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A						
4	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B						
4	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B						
5	GRAMOXONE MAX	3	SL	0.56	lb ai/a	1.5	pt/a	FALL	A	99	0	99	99	98	98
5	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
5	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A						
5	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B						
5	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B						
6	A14534A	5.32	EW	0.664	lb ai/a	1	pt/a	FALL	A	99	0	99	98	99	99
6	GRAMOXONE MAX	3	SL	0.56	lb ai/a	1.5	pt/a	FALL	A						
6	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
6	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A						
6	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B						
6	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B						
7	A14534A	5.32	EW	1	lb ai/a	1.5	pt/a	FALL	A	99	0	99	98	99	99
7	GRAMOXONE MAX	3	SL	0.56	lb ai/a	1.5	pt/a	FALL	A						
7	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
7	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A						
7	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B						
7	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B						
8	A14534A	5.32	EW	1.33	lb ai/a	2.0	pt/a	FALL	A	99	0	99	98	98	99
8	GRAMOXONE MAX	3	SL	0.56	lb ai/a	1.5	pt/a	FALL	A						
8	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
8	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A						
8	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B						
8	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B						
9	CANOPY EX	29.5	WG			1.1	oz/a	FALL	A	99	0	99	98	99	99
9	->CLASSIC	25	WG	0.0156	lb ai/a			FALL	A						
9	->EXPRESS	75	WG	0.0047	lb ai/a			FALL	A						
9	GRAMOXONE MAX	3	SL	0.56	lb ai/a	1.5	pt/a	FALL	A						
9	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
9	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A						
9	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B						
9	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B						
10	NO FALL HERBICIDES									99	0	99	98	99	99
10	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B						
10	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B						
LSD (P=.05)										0.0	0.0	0.0	1.4	2.0	0.6
Replicate F										0.000	0.000	0.000	2.053	0.688	1.000
Replicate Prob(F)										1.0000	1.0000	1.0000	0.1574	0.5151	0.3874
Treatment F										0.000	0.000	0.000	0.702	0.669	2.333
Treatment Prob(F)										1.0000	1.0000	1.0000	0.6999	0.7266	0.0602

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Weed Code						AMATA	AMATA	AMBTR	AMBTR	ERICA	ERICA				
Crop Code						Control	Control	Control	Control	Control	Control				
Rating Data Type						Percent	Percent	Percent	Percent	Percent	Percent				
Rating Unit						06-08-05	06-22-05	06-08-05	06-22-05	06-08-05	06-22-05				
Rating Date						14 DA-B	28 DA-B	14 DA-B	28 DA-B	14 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	A14534A	5.32	EW	0.664	lb ai/a	1	pt/a	FALL	A	99	97	99	99	98	99
1	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
1	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A						
1	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B						
1	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B						
2	A14534A	5.32	EW	1	lb ai/a	1.5	pt/a	FALL	A	99	96	98	98	99	99
2	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
2	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A						
2	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B						
2	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B						
3	A14534A	5.32	EW	1.33	lb ai/a	2.0	pt/a	FALL	A	99	97	99	98	98	99
3	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
3	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A						
3	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B						
3	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B						
4	CANOPY EX	29.5	WG			1.1	oz/a	FALL	A	97	96	99	99	99	99
4	->CLASSIC	25	WG	0.0156	lb ai/a			FALL	A						
4	->EXPRESS	75	WG	0.0047	lb ai/a			FALL	A						
4	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
4	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A						
4	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B						
4	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B						
5	GRAMOXONE MAX	3	SL	0.56	lb ai/a	1.5	pt/a	FALL	A	99	97	98	98	99	99
5	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
5	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A						
5	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B						
5	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B						
6	A14534A	5.32	EW	0.664	lb ai/a	1	pt/a	FALL	A	99	96	99	99	99	99
6	GRAMOXONE MAX	3	SL	0.56	lb ai/a	1.5	pt/a	FALL	A						
6	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
6	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A						
6	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B						
6	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B						
7	A14534A	5.32	EW	1	lb ai/a	1.5	pt/a	FALL	A	99	96	97	98	99	99
7	GRAMOXONE MAX	3	SL	0.56	lb ai/a	1.5	pt/a	FALL	A						
7	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
7	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A						
7	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B						
7	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B						
8	A14534A	5.32	EW	1.33	lb ai/a	2.0	pt/a	FALL	A	99	95	98	98	98	99
8	GRAMOXONE MAX	3	SL	0.56	lb ai/a	1.5	pt/a	FALL	A						
8	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
8	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A						
8	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B						
8	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B						
9	CANOPY EX	29.5	WG			1.1	oz/a	FALL	A	98	96	99	99	99	99
9	->CLASSIC	25	WG	0.0156	lb ai/a			FALL	A						
9	->EXPRESS	75	WG	0.0047	lb ai/a			FALL	A						
9	GRAMOXONE MAX	3	SL	0.56	lb ai/a	1.5	pt/a	FALL	A						
9	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A						
9	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A						
9	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B						
9	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B						
10	NO FALL HERBICIDES									99	97	99	99	92	98
10	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B						
10	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B						
LSD (P=.05)										1.2	3.4	2.0	1.4	2.6	1.3
Replicate F										0.265	0.226	2.340	1.925	1.870	1.000
Replicate Prob(F)										0.7704	0.7996	0.1249	0.1748	0.1829	0.3874
Treatment F										3.118	0.388	1.290	0.514	5.411	1.000
Treatment Prob(F)										0.0192	0.9257	0.3077	0.8453	0.0012	0.4742

Fall Applied Programs for Soybeans - Syngenta.

Project Code: 05-1-MW40 Location: Belleville Research Center  
 Investigator: Bryan Young

Weed Code	CHEAL	CHEAL
Crop Code		
Rating Data Type	Control	Control
Rating Unit	Percent	Percent
Rating Date	06-08-05	06-22-05
Trt-Eval Interval	14 DA-B	28 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code		
1	A14534A	5.32	EW	0.664	lb ai/a	1	pt/a	FALL	A	99	98
1	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A		
1	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A		
1	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B		
1	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B		
2	A14534A	5.32	EW	1	lb ai/a	1.5	pt/a	FALL	A	94	96
2	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A		
2	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A		
2	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B		
2	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B		
3	A14534A	5.32	EW	1.33	lb ai/a	2.0	pt/a	FALL	A	97	96
3	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A		
3	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A		
3	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B		
3	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B		
4	CANOPY EX	29.5	WG			1.1	oz/a	FALL	A	99	99
4	->CLASSIC	25	WG	0.0156	lb ai/a			FALL	A		
4	->EXPRESS	75	WG	0.0047	lb ai/a			FALL	A		
4	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A		
4	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A		
4	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B		
4	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B		
5	GRAMOXONE MAX	3	SL	0.56	lb ai/a	1.5	pt/a	FALL	A	98	98
5	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A		
5	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A		
5	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B		
5	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B		
6	A14534A	5.32	EW	0.664	lb ai/a	1	pt/a	FALL	A	97	98
6	GRAMOXONE MAX	3	SL	0.56	lb ai/a	1.5	pt/a	FALL	A		
6	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A		
6	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A		
6	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B		
6	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B		
7	A14534A	5.32	EW	1	lb ai/a	1.5	pt/a	FALL	A	98	99
7	GRAMOXONE MAX	3	SL	0.56	lb ai/a	1.5	pt/a	FALL	A		
7	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A		
7	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A		
7	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B		
7	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B		
8	A14534A	5.32	EW	1.33	lb ai/a	2.0	pt/a	FALL	A	95	97
8	GRAMOXONE MAX	3	SL	0.56	lb ai/a	1.5	pt/a	FALL	A		
8	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A		
8	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A		
8	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B		
8	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B		
9	CANOPY EX	29.5	WG			1.1	oz/a	FALL	A	99	99
9	->CLASSIC	25	WG	0.0156	lb ai/a			FALL	A		
9	->EXPRESS	75	WG	0.0047	lb ai/a			FALL	A		
9	GRAMOXONE MAX	3	SL	0.56	lb ai/a	1.5	pt/a	FALL	A		
9	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	FALL	A		
9	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	FALL	A		
9	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B		
9	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B		
10	NO FALL HERBICIDES									98	97
10	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	EPOST	B		
10	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	EPOST	B		
LSD (P=.05)										4.9	4.1
Replicate F										2.505	0.643
Replicate Prob(F)										0.1097	0.5374
Treatment F										1.049	0.702
Treatment Prob(F)										0.4421	0.7000

Fall Applied Programs for Soybeans - Syngenta.

Project Code: 05-1-MW40  
Investigator: Bryan Young

Location: Belleville Research Center

Trial Comments

1. Protocol: Syngenta.
2. Ratings: WC April 1 and May 1; CI and WC 14 and 28 DA "B".
3. Target planting for after May 1.
4. EPOST should be on 4-6"W after planting.
5. DA-A = Days after FALL application. DA-B = Days after EPOST application.  
GGGAN = Annual grasses including SETFA and PANDI.