

## Fall Applied Soybean Trial.

Project Code: 04-5B-N110      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:      10-28-04

Weed Code	Common Name	Scientific Name
1. CERVU	chickweed, mouseear	Cerastium vulgatum L.
2. STEME	chickweed, common	Stellaria media (L.) Vill.
3. ALLVI	garlic, wild	Allium vineale L.
4. CAPBP	shepherdspurse	Capsella bursa-pastoris (L.) Medicus
5. SETFA	foxtail, giant	Setaria faberi Herrm.
6. AMBEL	ragweed, common	Ambrosia artemisiifolia L.
7. HORPU	barley, little	Hordeum pusillum Nutt.
8. ERICA	horseweed	Conyza canadensis (L.) Crong.
9. AMATA	waterhemp, common	Amaranthus rudis Sauer
10. CYPES	nutsedge, yellow	Cyperus esculentus L.
11. XANST	cocklebur, common	Xanthium strumarium L.
12. POLPY	smartweed, Pennsylvania	Polygonum pensylvanicum L.

Crop 1:                    GLXMA soybean                    Variety:                    Asgrow 4403 RR  
 Planting Method: Seeded                    Planting Date: 6-4-04  
 Rate:                    75      lb/A                    Depth:                    1.0      IN  
 Row Spacing:                    30      IN

Plot Width, Unit: 10      FT                    Plot Length, Unit: 27      FT      Reps: 3  
 Tillage Type:                    No-Till                    Study Design: Randomized complete block  
 Previous Crop, Year: ZEAMX, 2003

Field Prep./Maintenance: N 0 LB/A, P2O5 50 LB/A, K2O 100 LB/A

Soil Name: Stoy                    % OM: 1.6      pH: 6.1      CEC: 7  
 Texture: Silt loam                    Fert. Level: P1: 93 LB/A, K: 429 LB/A

APPLICATION DESCRIPTION	A	B	C	D	E	F
Application Date:	11-20-03	5-3-04	5-21-04	6-5-04	6-18-04	7-12-04
Time of Day:	11:00	10:00	7:00	7:00	14:00	15:00
Application Method:	Spray	Spray	Spray	Spray	Spray	Spray
Application Timing:	FALL	14DBP	PRE	POST-IN1	POST-IN2	POST-IN3
Applic. Placement:	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	65 F	52 F	78 F	62 F	74 F	89 F
% Relative Humidity:	70	68	84	98	64	68
Wind Velocity, Unit:	5 MPH	3 MPH	3 MPH	3 MPH	0 MPH	3 MPH
Soil Moisture:	ABONOR	ABONOR	ABONOR	NORMAL	ABONOR	NORMAL

CROP STAGE AT EACH APPLICATION	A	B	C	D	E	F
Crop 1 Code, Stage:	GLXMA NA	GLXMA NA	GLXMA NA	GLXMA NA	GLXMA NA	GLXMA NA
Height, Unit:	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA

WEED STAGE AT EACH APPLICATION	A	B	C	D	E	F
Weed 1 Code:	CERVU	CERVU	CERVU	CERVU	CERVU	CERVU
Stage (leaves):	10+		10+			
Height (inches):	1-2		2-6			
Density:	Medium		Low			
Weed 2 Code:	STEME	STEME	STEME	STEME	STEME	STEME
Stage (leaves):	10+		10+			
Height (inches):	1-2		2-6			
Density:	Medium		Low			
Weed 3 Code:	ALLVI	ALLVI	ALLVI	ALLVI	ALLVI	ALLVI
Stage (leaves):	1-3	1-3	1-3			
Height (inches):	3-5	6-12	8-14			
Density:	Medium	Low	Low			

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Weed 4 Code:	CAPBP	CAPBP	CAPBP	CAPBP	CAPBP	CAPBP
Stage (leaves):		10+	10+			
Height (inches):		6-12	6-12			
Density:		Low	Low			
Weed 5 Code:	SETFA	SETFA	SETFA	SETFA	SETFA	SETFA
Stage (leaves):		1-3	5-6	5-6	5-6	18-20
Height (inches):		1-2	1-4	10-12	6-12	10-15
Density:		Low	Low	High	Medium	High
Weed 6 Code:	AMBEL	AMBEL	AMBEL	AMBEL	AMBEL	AMBEL
Stage (leaves):		5-6	5-6	5-8	5-6	8-35
Height (inches):		1-3	1-4	4-8	2-6	6-22
Density:		Low	Low	Low	Low	Medium
Weed 7 Code:	HORPU	HORPU	HORPU	HORPU	HORPU	HORPU
Stage (leaves):		3-5	10+	5-6		
Height (inches):		1-3	4-6	4-8		
Density:		Low	Low	Low		
Weed 8 Code:	ERICA	ERICA	ERICA	ERICA	ERICA	ERICA
Stage (leaves):			10+			
Height (inches):			2-8			
Density:			Low			
Weed 9 Code:	AMATA	AMATA	AMATA	AMATA	AMATA	AMATA
Stage (leaves):					5-10	8-37
Height (inches):					2-6	4-20
Density:					Medium	High
Weed10 Code:	CYPES	CYPES	CYPES	CYPES	CYPES	CYPES
Stage (leaves):						6-7
Height (inches):						18-19
Density:						Medium
Weed11 Code:	XANST	XANST	XANST	XANST	XANST	XANST
Stage (leaves):						16-18
Height (inches):						15-16
Density:						Low
Weed12 Code:	POLPY	POLPY	POLPY	POLPY	POLPY	POLPY
Stage (leaves):			5-8			18-24
Height (inches):			4-8			18-20
Density:			Low			Low

## APPLICATION EQUIPMENT

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

## NOTES:

Crop planted 5-18-04, then replanted 6-4-04.  
 Harvested 10-16-04, (2) 30 inch rows x 24 ft.



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Weed Code	CERVU	CERVU	CERVU	CERVU	STEME	STEME	ALLVI	ALLVI	ALLVI	ALLVI	CAPBP	CAPBP
Crop Code	GLXMA	Control	Control	Control	Control	Control	Control	Control	Control	Control	Control	Control
Rating Data Type	Yield	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit	bu/A	12-11-03	4-1-04	5-3-04	5-18-04	12-11-03	4-1-04	12-11-03	4-1-04	5-3-04	5-18-04	5-3-04
Rating Date	10-16-04	21 DA-A	133 DA-A	0 DA-B	15 DA-B	21 DA-A	133 DA-A	21 DA-A	133 DA-A	0 DA-B	15 DA-B	0 DA-B
Trt-Eval Interval												

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code													
8	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	PRE	C	64												
8	FIRSTRATE	84	WG	0.016	LB A/A	0.305	OZ/A	PRE	C													
8	VALOR	51	WG	0.047	LB A/A	1.47	OZ/A	PRE	C													
8	AMS	100	DRY	2.0	% W/W	2	% W/W	PRE	C													
8	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN3	F													
8	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN3	F													
9	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	PRE	C	61												
9	FIRSTRATE	84	WG	0.031	LB A/A	0.59	OZ/A	PRE	C													
9	AUTHORITY	75	WG	0.25	LB A/A	5.33	OZ/A	PRE	C													
9	AMS	100	DRY	2.0	% W/W	2	% W/W	PRE	C													
9	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN3	F													
9	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN3	F													
10	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	FALL	A	64	50	100	99	99	50	100	50	98	90	96	99	99
10	PRINCEP	90	WG	1.0	LB A/A	17.8	OZ/A	FALL	A													
10	AMS	100	DRY	2.0	% W/W	2	% W/W	FALL	A													
10	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN1	D													
10	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN1	D													
10	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN3	F													
10	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN3	F													
LSD (P=.05)										9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	3.9	5.2	57.0	42.4
Replicate F										3.208	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.716	1.000	1.667	1.667	1.000
Replicate Prob(F)										0.0643	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.5122	0.4019	0.2373	0.2373	0.4019
Treatment F										26.715	0.000	0.000	0.000	0.000	0.000	0.000	0.000	463.316	997.000	585.333	5.333	8.800
Treatment Prob(F)										0.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0001	0.0001	0.0001	0.0120	0.0020

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Crop Code															
Rating Data Type	Control	Control	Control	Control	Control	Control	Control	Control	Control	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date	5-3-04	5-18-04	5-3-04	5-18-04	6-4-04	6-18-04	7-11-04	8-9-04	5-3-04	5-18-04	6-4-04	6-18-04	7-11-04	8-9-04	
Trt-Eval Interval	0 DA-B	15 DA-B	0 DA-B	15 DA-B	14 DA-C	28 DA-C	54 DAP	83 DAP	0 DA-B	15 DA-B	14 DA-C	28 DA-C	54 DAP	83 DAP	

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code														
1	NONTREATED									0	0	93	87	0	0	0	0	93	90	0	0	0	0
2	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	FALL	A	99	99	47	27	100	89	95	100	90	90	100	100	100	100
2	AMS	100	DRY	2.0	% W/W	2	% W/W	FALL	A														
2	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	PRE	C														
2	AMS	100	DRY	2.0	% W/W	2	% W/W	PRE	C														
2	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN3	F														
2	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN3	F														
3	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	FALL	A	99	99	99	87	100	93	87	100	99	99	100	100	100	100
3	CANOPY XL	56.3	WG			4.5	OZ/A	FALL	A														
3	->CLASSIC	25	WG	0.0264	LB A/A			FALL	A														
3	->AUTHORITY	75	WG	0.132	LB A/A			FALL	A														
3	AMS	100	DRY	2.0	% W/W	2	% W/W	FALL	A														
3	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	PRE	C														
3	AMS	100	DRY	2.0	% W/W	2	% W/W	PRE	C														
3	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN3	F														
3	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN3	F														
4	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	FALL	A	83	99	77	96	80	0	98	98	77	99	100	66	100	100
4	AMS	100	DRY	2.0	% W/W	2	% W/W	FALL	A														
4	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	14DBP	B														
4	AMS	100	DRY	2.0	% W/W	2	% W/W	14DBP	B														
4	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN2	E														
4	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN2	E														
5	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	FALL	A	99	99	99	96	93	30	93	90	99	99	100	100	100	100
5	CANOPY XL	56.3	WG			4.5	OZ/A	FALL	A														
5	->CLASSIC	25	WG	0.0264	LB A/A			FALL	A														
5	->AUTHORITY	75	WG	0.132	LB A/A			FALL	A														
5	AMS	100	DRY	2.0	% W/W	2	% W/W	FALL	A														
5	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	14DBP	B														
5	AMS	100	DRY	2.0	% W/W	2	% W/W	14DBP	B														
5	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN2	E														
5	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN2	E														
6	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	PRE	C					100	60	88	100			100	100	100	100
6	AMS	100	DRY	2.0	% W/W	2	% W/W	PRE	C														
6	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN3	F														
6	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN3	F														
7	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	PRE	C					100	100	91	100			100	100	100	100
7	CANOPY XL	56.3	WG			4.5	OZ/A	PRE	C														
7	->CLASSIC	25	WG	0.0264	LB A/A			PRE	C														
7	->AUTHORITY	75	WG	0.132	LB A/A			PRE	C														
7	AMS	100	DRY	2.0	% W/W	2	% W/W	PRE	C														
7	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN3	F														
7	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN3	F														

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Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	HORPU	HORPU	SETFA	SETFA	SETFA	SETFA	SETFA	SETFA	SETFA	AMBEL	AMBEL	AMBEL	AMBEL	AMBEL	AMBEL	
						Control	Control	Control	Control	Control	Control	Control	Control	Control	Control	Control	Control	Control	Control	Control	Control
						Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
						5-3-04	5-18-04	5-3-04	5-18-04	6-4-04	6-18-04	7-11-04	8-9-04	5-3-04	5-18-04	6-4-04	6-18-04	7-11-04	8-9-04		
						0 DA-B	15 DA-B	0 DA-B	15 DA-B	14 DA-C	28 DA-C	54 DAP	83 DAP	0 DA-B	15 DA-B	14 DA-C	28 DA-C	54 DAP	83 DAP		

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code														
8	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	PRE	C														
8	FIRSTRATE	84	WG	0.016	LB A/A	0.305	OZ/A	PRE	C			100	100	88	100			100	100	100	100		
8	VALOR	51	WG	0.047	LB A/A	1.47	OZ/A	PRE	C														
8	AMS	100	DRY	2.0	% W/W	2	% W/W	PRE	C														
8	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN3	F														
8	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN3	F														
9	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	PRE	C			100	100	94	100			100	100	100	100		
9	FIRSTRATE	84	WG	0.031	LB A/A	0.59	OZ/A	PRE	C														
9	AUTHORITY	75	WG	0.25	LB A/A	5.33	OZ/A	PRE	C														
9	AMS	100	DRY	2.0	% W/W	2	% W/W	PRE	C														
9	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN3	F														
9	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN3	F														
10	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	FALL	A	99	99	17	0	0	100	85	100	99	93	90	100	100	
10	PRINCEP	90	WG	1.0	LB A/A	17.8	OZ/A	FALL	A														
10	AMS	100	DRY	2.0	% W/W	2	% W/W	FALL	A														
10	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN1	D														
10	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN1	D														
10	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN3	F														
10	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN3	F														
LSD (P=.05)										21.0	0.0	47.6	36.4	4.1	39.5	8.7	5.5	17.2	5.4	0.0	31.0	0.0	0.0
Replicate F										1.000	0.000	0.007	0.572	1.000	1.392	2.780	1.541	1.268	1.000	0.000	1.000	0.000	0.000
Replicate Prob(F)										0.4019	1.0000	0.9935	0.5820	0.3874	0.2740	0.0887	0.2412	0.3229	0.4019	1.0000	0.3874	1.0000	1.0000
Treatment F										35.314	0.000	4.930	12.842	874.667	10.015	99.566	287.216	2.574	7.062	0.000	9.548	0.000	0.000
Treatment Prob(F)										0.0001	1.0000	0.0156	0.0004	0.0001	0.0001	0.0001	0.0001	0.0953	0.0045	1.0000	0.0001	1.0000	1.0000

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Crop Code										Control	Control	Control	Control	Control	Control	Control	Control	Injury	Injury	Injury	Injury	Applic
Rating Data Type										Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	
Rating Unit										5-18-04	6-4-04	6-18-04	7-11-04	8-9-04	6-18-04	7-11-04	8-9-04	6-4-04	6-18-04	7-11-04	8-9-04	
Rating Date										15 DA-B	14 DA-C	28 DA-C	54 DAP	83 DAP	28 DA-C	54 DAP	83 DAP	14 DA-C	28 DA-C	54 DAP	83 DAP	
Trt-Eval Interval																						
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code													
1	NONTREATED									30	0	0	0	0	0	0	0	0	0	0	0	0
2	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	FALL	A	90	100	100	100	100	0	83	100	0	0	0	0	1
2	AMS	100	DRY	2.0	% W/W	2	% W/W	FALL	A													
2	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	PRE	C													
2	AMS	100	DRY	2.0	% W/W	2	% W/W	PRE	C													
2	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN3	F													
2	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN3	F													
3	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	FALL	A	99	100	100	100	100	33	90	100	0	0	0	0	1
3	CANOPY XL	56.3	WG			4.5	OZ/A	FALL	A													
3	->CLASSIC	25	WG	0.0264	LB A/A			FALL	A													
3	->AUTHORITY	75	WG	0.132	LB A/A			FALL	A													
3	AMS	100	DRY	2.0	% W/W	2	% W/W	FALL	A													
3	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	PRE	C													
3	AMS	100	DRY	2.0	% W/W	2	% W/W	PRE	C													
3	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN3	F													
3	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN3	F													
4	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	FALL	A	99	100	100	100	100	0	97	97	0	0	0	0	1
4	AMS	100	DRY	2.0	% W/W	2	% W/W	FALL	A													
4	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	14DBP	B													
4	AMS	100	DRY	2.0	% W/W	2	% W/W	14DBP	B													
4	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN2	E													
4	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN2	E													
5	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	FALL	A	99	100	100	100	100	33	100	100	0	0	0	0	1
5	CANOPY XL	56.3	WG			4.5	OZ/A	FALL	A													
5	->CLASSIC	25	WG	0.0264	LB A/A			FALL	A													
5	->AUTHORITY	75	WG	0.132	LB A/A			FALL	A													
5	AMS	100	DRY	2.0	% W/W	2	% W/W	FALL	A													
5	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	14DBP	B													
5	AMS	100	DRY	2.0	% W/W	2	% W/W	14DBP	B													
5	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN2	E													
5	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN2	E													
6	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	PRE	C		100	100	100	100	0	90	100	0	0	0	0	1
6	AMS	100	DRY	2.0	% W/W	2	% W/W	PRE	C													
6	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN3	F													
6	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN3	F													
7	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	PRE	C		100	100	100	100	67	98	100	0	0	0	0	1
7	CANOPY XL	56.3	WG			4.5	OZ/A	PRE	C													
7	->CLASSIC	25	WG	0.0264	LB A/A			PRE	C													
7	->AUTHORITY	75	WG	0.132	LB A/A			PRE	C													
7	AMS	100	DRY	2.0	% W/W	2	% W/W	PRE	C													
7	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN3	F													
7	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN3	F													

Southern Illinois University

Fall Applied Soybean Trial.

Project Code: 04-5B-N110  
Investigator: Bryan Young

Location: Belleville Research Center

										ERICA	ERICA	ERICA	ERICA	ERICA	AMATA	AMATA	AMATA	GLXMA	GLXMA	GLXMA	GLXMA	Post			
										Control	Control	Control	Control	Control	Control	Control	Control	Injury	Injury	Injury	Injury	Applic			
										Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent				
										5-18-04	6-4-04	6-18-04	7-11-04	8-9-04	6-18-04	7-11-04	8-9-04	6-4-04	6-18-04	7-11-04	8-9-04				
										15 DA-B	14 DA-C	28 DA-C	54 DAP	83 DAP	28 DA-C	54 DAP	83 DAP	14 DA-C	28 DA-C	54 DAP	83 DAP				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code																
8	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	PRE	C																
8	FIRSTRATE	84	WG	0.016	LB A/A	0.305	OZ/A	PRE	C		100	100	100	100	100	100	100	0	0	0	0	0	0	1	
8	VALOR	51	WG	0.047	LB A/A	1.47	OZ/A	PRE	C																
8	AMS	100	DRY	2.0	% W/W	2	% W/W	PRE	C																
8	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN3	F																
8	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN3	F																
9	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	PRE	C																
9	FIRSTRATE	84	WG	0.031	LB A/A	0.59	OZ/A	PRE	C		100	100	100	100	100	100	100	0	0	0	0	0	0	1	
9	AUTHORITY	75	WG	0.25	LB A/A	5.33	OZ/A	PRE	C																
9	AMS	100	DRY	2.0	% W/W	2	% W/W	PRE	C																
9	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN3	F																
9	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN3	F																
10	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	FALL	A		99	100	100	100	100	98	100	0	0	0	0	0	0	2	
10	PRINCEP	90	WG	1.0	LB A/A	17.8	OZ/A	FALL	A																
10	AMS	100	DRY	2.0	% W/W	2	% W/W	FALL	A																
10	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN1	D																
10	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN1	D																
10	ROUNDUP W-MAX	4.5	SL	0.75	LB AE/A	21.3	FL OZ/A	POST-IN3	F																
10	AMS	100	DRY	2.0	% W/W	2	% W/W	POST-IN3	F																
LSD (P=.05)										38.6	0.0	0.0	0.0	0.0	40.1	5.6	3.1	0.0	0.0	0.0	0.0	0.0	0.0		
Replicate F										1.000	0.000	0.000	0.000	0.000	0.153	1.017	1.000	0.000	0.000	0.000	0.000	0.000	0.000		
Replicate Prob(F)										0.4019	1.0000	1.0000	1.0000	1.0000	0.8596	0.3814	0.3874	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000		
Treatment F										5.104	0.000	0.000	0.000	0.000	10.915	264.521	894.333	0.000	0.000	0.000	0.000	0.000	0.000		
Treatment Prob(F)										0.0139	1.0000	1.0000	1.0000	1.0000	0.0001	0.0001	0.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000		

Trial Comments

1. Protocol: SIU-RFK.
2. Ratings:
3. DA-A = Days after FALL application. DA-B = Days after 14DBP application. 0 DA-B was prior to 14DBP application. DA-C = Days after PRE application. DAP = Days after planting. DA-D = Days after POST-IN1 application. DA-E = Days after POST-IN2 application.
4. Ratings on 4-1-04 and 5-3-04 were 133 and 165 days after the FALL application, respectively.  
Ratings on 5-18-04 at 14 DA-B were prior to PRE application.  
Ratings on 6-4-04 at 14 DA-C were also 32 DA-B, 197 DA-A and prior to any postemergence applications.  
Ratings on 6-18-04 at 28 DA-C were also 46 DA-B, 211 DA-A, 13 DA-D and prior to the second postemergence application.  
Ratings on 7-11-04 at 54 DAP were also 51 DA-C, 36 DA-D, and 23 DA-E.  
Ratings on 8-9-04 at 83 DAP were also 80 DA-C, 65 DA-D, and 52 DA-E.
5. Post Applic = The number of postemergence applications that were needed.
6. Harvested 10-16-04, (2) 30 inch rows x 24 ft.