

# No-Till Soybean Weed Control Studies

Southern Illinois University

Weed Management for Conventional Soybean in No-Till.

Trial ID: 08-11A-E85 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: 05-21-08

Objectives: Continue to support growers producing non-GMO soybeans by evaluating potential herbicide programs in conventional soyben.

Crop 1: GLXMA Soybean Variety: AG 4404 RR/STS  
 Planting Method: SEEDS 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: SETFA Setaria faberi Herrm. foxtail, giant  
 Pest 2 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common  
 Pest 3 Type: W Code: AMBEL Ambrosia artemisiifolia L. ragweed, common  
 Pest 4 Type: W Code: CYPES Cyperus esculentus L. nutsedge, yellow

Plot Width, Unit: 10 FT Site Type: FIELD  
 Plot Length, Unit: 26 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 150 LB/A

% OM: 2 Texture: SILT LOAM  
 pH: 5.6 Soil Name: PIERRON  
 CEC: 11 Fert. Level: P1 75 LB/A, K 348 LB/A

## Application Description

	A	B
Application Date:	05-21-08	06-26-08
Time of Day:	8:00	10:00
Application Method:	Spray	Spray
Application Timing:	7-14EPP	4"W
Application Placement:	BROFOL	BROFOL
Applied By:	DKT	TGM
Air Temperature, Unit:	60 F	77 F
% Relative Humidity:	80	87
Wind Velocity, Unit:	2 MPH	5 MPH
Soil Temperature, Unit:	53 F	75 F
Soil Moisture:		NORMAL
% Cloud Cover:		85

	A	B
Crop stage at application:	NA	VC
Height Min, Max (inch):		2.5 4

## Pest Stage At Each Application

	A	B
Application Date:	05-21-08	06-26-08
Weed Code:	SETFA	SETFA
Stage Majority (leaves):	NA	3
Stage Min, Max:		2 4
Height Majority:		2 IN
Height Min, Max:		1 3
Density, Unit:		2 FT2
Weed Code:	AMATA	AMATA
Stage Majority (leaves):	NA	3
Stage Min, Max:		COTY 4
Height Majority:		1 IN
Height Min, Max:		0.5 2.5
Density, Unit:		5 FT2
Weed Code:	AMBEL	AMBEL
Stage Majority (leaves):	4	NA
Stage Min, Max:	2 4	
Height Majority:	4 IN	
Height Min, Max:	2 4	
Density, Unit:	1 FT2	
Weed Code:	CYPES	CYPES
Stage Majority (leaves):	NA	4
Stage Min, Max:		3 6
Height Majority:		4 IN
Height Min, Max:		2 5
Density, Unit:		2 FT2

Weed Management for Conventional Soybean in No-Till.

Trial ID: 08-11A-E85

Location: Belleville Res. Center

**Application Equipment**

<b>Appl. Equipment:</b>	CO2 sprayer	CO2 sprayer
<b>Operating Pressure:</b>	30 PSI	30 PSI
<b>Nozzle Type:</b>	Flat fan	Flat fan
<b>Nozzle Size:</b>	XR 8002	XR 8002
<b>Boom Length, Unit:</b>	7.5 FT	7.5 FT
<b>Spray Volume, Unit:</b>	15 GPA	15 GPA

Weed Management for Conventional Soybean in No-Till.

Trial ID: 08-11A-E85 Location: Belleville Res. Center

Pest Code								GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA		
Crop Code								10-29-08	10-29-08	06-26-08	07-10-08	07-24-08	08-21-08		
Rating Date								Moisture	Yield	Injury	Injury	Injury	Injury		
Rating Data Type								Percent	bu/A	Percent	Percent	Percent	Percent		
Rating Unit															
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						
1	NONTREATED									12.2 ab	20 g	0 a	0 b	0 b	0 a
2	NO RESIDUAL HERB									12.1 abc	40 def		10 a	3 a	0 a
2	FLEXSTAR	1.88 EC		0.294 lb ai/a		20 fl oz/a		4"W	B						
2	FUSION	2.56 EC		0.24 lb ai/a		12 fl oz/a		4"W	B						
2	DESTINY MSO	100 SL		1.0 % v/v		1 % v/v		4"W	B						
2	28% UAN	100 SL		2.5 % v/v		2.5 % v/v		4"W	B						
3	SONIC	70 DF		0.14 lb ai/a		3.2 oz/a		7-14EPP	A	12.0 abc	46 abc	0 a	10 a	2 ab	0 a
3	FLEXSTAR	1.88 EC		0.294 lb ai/a		20 fl oz/a		4"W	B						
3	FUSION	2.56 EC		0.24 lb ai/a		12 fl oz/a		4"W	B						
3	DESTINY MSO	100 SL		1.0 % v/v		1 % v/v		4"W	B						
3	28% UAN	100 SL		2.5 % v/v		2.5 % v/v		4"W	B						
4	SONIC	70 DF		0.28 lb ai/a		6.4 oz/a		7-14EPP	A	12.0 abc	46 a-d	0 a	10 a	1 ab	0 a
4	FLEXSTAR	1.88 EC		0.294 lb ai/a		20 fl oz/a		4"W	B						
4	FUSION	2.56 EC		0.24 lb ai/a		12 fl oz/a		4"W	B						
4	DESTINY MSO	100 SL		1.0 % v/v		1 % v/v		4"W	B						
4	28% UAN	100 SL		2.5 % v/v		2.5 % v/v		4"W	B						
5	CANOPY	75 WG		0.14 lb ai/a		3.0 oz/a		7-14EPP	A	12.0 abc	41 b-f	0 a	10 a	2 ab	0 a
5	FLEXSTAR	1.88 EC		0.294 lb ai/a		20 fl oz/a		4"W	B						
5	FUSION	2.56 EC		0.24 lb ai/a		12 fl oz/a		4"W	B						
5	DESTINY MSO	100 SL		1.0 % v/v		1 % v/v		4"W	B						
5	28% UAN	100 SL		2.5 % v/v		2.5 % v/v		4"W	B						
6	CANOPY	75 WG		0.28 lb ai/a		6.0 oz/a		7-14EPP	A	12.2 a	42 b-e	0 a	10 a	2 ab	0 a
6	FLEXSTAR	1.88 EC		0.294 lb ai/a		20 fl oz/a		4"W	B						
6	FUSION	2.56 EC		0.24 lb ai/a		12 fl oz/a		4"W	B						
6	DESTINY MSO	100 SL		1.0 % v/v		1 % v/v		4"W	B						
6	28% UAN	100 SL		2.5 % v/v		2.5 % v/v		4"W	B						
7	PROWL H2O	3.8 CS		0.594 lb ai/a		1.25 pt/a		7-14EPP	A	12.1 abc	37 ef	0 a	10 a	3 a	0 a
7	FLEXSTAR	1.88 EC		0.294 lb ai/a		20 fl oz/a		4"W	B						
7	FUSION	2.56 EC		0.24 lb ai/a		12 fl oz/a		4"W	B						
7	DESTINY MSO	100 SL		1.0 % v/v		1 % v/v		4"W	B						
7	28% UAN	100 SL		2.5 % v/v		2.5 % v/v		4"W	B						
8	PROWL H2O	3.8 CS		1.19 lb ai/a		2.5 pt/a		7-14EPP	A	12.0 abc	38 ef	0 a	10 a	0 b	0 a
8	FLEXSTAR	1.88 EC		0.294 lb ai/a		20 fl oz/a		4"W	B						
8	FUSION	2.56 EC		0.24 lb ai/a		12 fl oz/a		4"W	B						
8	DESTINY MSO	100 SL		1.0 % v/v		1 % v/v		4"W	B						
8	28% UAN	100 SL		2.5 % v/v		2.5 % v/v		4"W	B						
9	VALOR XLT	40.3 WG				3.0 oz/a		7-14EPP	A	11.9 abc	41 b-f	0 a	10 a	1 ab	0 a
9	VALOR SX	51 WG		0.056 lb ai/a				7-14EPP	A						
9	CLASSIC	25 WG		0.0194 lb ai/a				7-14EPP	A						
9	FLEXSTAR	1.88 EC		0.294 lb ai/a		20 fl oz/a		4"W	B						
9	FUSION	2.56 EC		0.24 lb ai/a		12 fl oz/a		4"W	B						
9	DESTINY MSO	100 SL		1.0 % v/v		1 % v/v		4"W	B						
9	28% UAN	100 SL		2.5 % v/v		2.5 % v/v		4"W	B						
10	VALOR XLT	40.3 WG				5.0 oz/a		7-14EPP	A	11.8 c	46 ab	0 a	10 a	2 ab	0 a
10	VALOR SX	51 WG		0.093 lb ai/a				7-14EPP	A						
10	CLASSIC	25 WG		0.0322 lb ai/a				7-14EPP	A						
10	FLEXSTAR	1.88 EC		0.294 lb ai/a		20 fl oz/a		4"W	B						
10	FUSION	2.56 EC		0.24 lb ai/a		12 fl oz/a		4"W	B						
10	DESTINY MSO	100 SL		1.0 % v/v		1 % v/v		4"W	B						
10	28% UAN	100 SL		2.5 % v/v		2.5 % v/v		4"W	B						
11	PROWL H2O	3.8 CS		1.19 lb ai/a		2.5 pt/a		7-14EPP	A	11.9 abc	42 b-e	0 a	10 a	0 b	0 a
11	SCEPTER	70 WG		0.061 lb ai/a		1.4 oz/a		7-14EPP	A						
11	FLEXSTAR	1.88 EC		0.294 lb ai/a		20 fl oz/a		4"W	B						
11	FUSION	2.56 EC		0.24 lb ai/a		12 fl oz/a		4"W	B						
11	DESTINY MSO	100 SL		1.0 % v/v		1 % v/v		4"W	B						
11	28% UAN	100 SL		2.5 % v/v		2.5 % v/v		4"W	B						

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Trial ID: 08-11A-E85 Location: Belleville Res. Center

Pest Code															
Crop Code															
Rating Date															
Rating Data Type															
Rating Unit															
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	GLXMA 10-29-08 Moisture Percent	GLXMA 10-29-08 Yield bu/A	GLXMA 06-26-08 Injury Percent 36 DA-A 0 DA-B	GLXMA 07-10-08 Injury Percent 14 DA-B	GLXMA 07-24-08 Injury Percent 28 DA-B	GLXMA 08-21-08 Injury Percent 56 DA-B
12	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	7-14EPP	A	11.9 abc	35 f	0 a	10 a	1 ab	0 a
12	SCEPTER	70	WG	0.122	lb ai/a	2.8	oz/a	7-14EPP	A						
12	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B						
12	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B						
12	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B						
12	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B						
13	PREFIX	5.29	EC	0.66	lb ai/a	1.0	pt/a	7-14EPP	A	11.9 abc	39 ef	0 a	10 a	3 ab	0 a
13	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B						
13	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B						
13	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B						
13	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B						
14	PREFIX	5.29	EC	1.32	lb ai/a	2.0	pt/a	7-14EPP	A	12.0 abc	40 c-f	0 a	10 a	3 ab	0 a
14	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B						
14	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B						
14	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B						
14	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B						
15	WEED FREE									12.1 abc	52 a	0 a	0 b	0 b	0 a
15	DUAL MAGNUM	7.62	EC	1.27	lb ai/a	1.33	pt/a	7-14EPP	A						
15	FIRSTRATE	84	WG	0.0315	lb ai/a	0.6	oz/a	7-14EPP	A						
15	ROUNDUP O-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4"W	B						
15	N-PAK AMS	100	SL	5.0	% v/v	5	% v/v	4"W	B						
15	HANDWEED														
16	DPX-QER54	41.3	WG			3.5	oz/a	7-14EPP	A	11.9 bc	46 ab	0 a	10 a	0 b	0 a
16	CLASSIC	25	WG	0.02	lb ai/a			7-14EPP	A						
16	HARMONY GT XP	50	SG	0.00643	lb ai/a			7-14EPP	A						
16	VALOR SX	51	WG	0.0635	lb ai/a			7-14EPP	A						
16	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B						
16	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B						
16	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B						
16	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B						
LSD (P=.05)										0.33	6.2	0.0	0.0	3.3	0.0
Replicate F										0.567	3.651	0.000	0.000	0.850	0.000
Replicate Prob(F)										0.5729	0.0381	1.0000	1.0000	0.4375	1.0000
Treatment F										0.818	10.197	0.000	0.000	1.134	0.000
Treatment Prob(F)										0.6512	0.0001	1.0000	1.0000	0.3706	1.0000

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

Weed Management for Conventional Soybean in No-Till.

Trial ID: 08-11A-E85 Location: Belleville Res. Center

								SETFA	SETFA	SETFA	SETFA		
								06-26-08	07-10-08	07-24-08	08-21-08		
								Control	Control	Control	Control		
								Percent	Percent	Percent	Percent		
								36 DA-A					
								0 DA-B	14 DA-B	28 DA-B	56 DA-B		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0 f	0 c	0 d	0 d
2	NO RESIDUAL HERB										99 ab	93 ab	93 ab
2	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
2	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
2	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
2	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
3	SONIC	70	DF	0.14	lb ai/a	3.2	oz/a	7-14EPP	A	50 e	99 a	93 ab	93 ab
3	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
3	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
3	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
3	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
4	SONIC	70	DF	0.28	lb ai/a	6.4	oz/a	7-14EPP	A	75 bc	99 a	96 ab	95 a
4	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
4	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
4	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
4	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
5	CANOPY	75	WG	0.14	lb ai/a	3.0	oz/a	7-14EPP	A	73 c	98 ab	82 c	67 c
5	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
5	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
5	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
5	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
6	CANOPY	75	WG	0.28	lb ai/a	6.0	oz/a	7-14EPP	A	90 ab	99 ab	90 b	90 ab
6	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
6	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
6	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
6	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
7	PROWL H2O	3.8	CS	0.594	lb ai/a	1.25	pt/a	7-14EPP	A	47 e	99 a	92 ab	92 ab
7	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
7	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
7	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
7	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
8	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	7-14EPP	A	55 de	99 a	95 ab	89 ab
8	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
8	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
8	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
8	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
9	VALOR XLT	40.3	WG			3.0	oz/a	7-14EPP	A	92 a	98 b	89 bc	79 bc
9	VALOR SX	51	WG	0.056	lb ai/a			7-14EPP	A				
9	CLASSIC	25	WG	0.0194	lb ai/a			7-14EPP	A				
9	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
9	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
9	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
9	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
10	VALOR XLT	40.3	WG			5.0	oz/a	7-14EPP	A	99 a	99 a	93 ab	93 ab
10	VALOR SX	51	WG	0.093	lb ai/a			7-14EPP	A				
10	CLASSIC	25	WG	0.0322	lb ai/a			7-14EPP	A				
10	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
10	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
10	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
10	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
11	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	7-14EPP	A	55 de	99 a	94 ab	93 ab
11	SCEPTER	70	WG	0.061	lb ai/a	1.4	oz/a	7-14EPP	A				
11	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
11	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
11	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
11	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				

Weed Management for Conventional Soybean in No-Till.

Trial ID: 08-11A-E85 Location: Belleville Res. Center

Pest Code	SETFA	SETFA	SETFA	SETFA
Crop Code				
Rating Date	06-26-08	07-10-08	07-24-08	08-21-08
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing	36 DA-A			
Trt-Eval Interval	0 DA-B	14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
12	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	7-14EPP	A	50 e	99 ab	91 b	92 ab
12	SCEPTER	70	WG	0.122	lb ai/a	2.8	oz/a	7-14EPP	A				
12	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
12	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
12	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
12	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
13	PREFIX	5.29	EC	0.66	lb ai/a	1.0	pt/a	7-14EPP	A	70 cd	99 a	90 b	88 ab
13	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
13	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
13	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
13	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
14	PREFIX	5.29	EC	1.32	lb ai/a	2.0	pt/a	7-14EPP	A	57 de	99 a	92 ab	93 ab
14	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
14	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
14	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
14	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
15	WEED FREE									99 a	99 a	99 a	99 a
15	DUAL MAGNUM	7.62	EC	1.27	lb ai/a	1.33	pt/a	7-14EPP	A				
15	FIRSTRATE	84	WG	0.0315	lb ai/a	0.6	oz/a	7-14EPP	A				
15	ROUNDUP O-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4"W	B				
15	N-PAK AMS	100	SL	5.0	% v/v	5	% v/v	4"W	B				
15	HANDWEED												
16	DPX-QER54	41.3	WG			3.5	oz/a	7-14EPP	A	99 a	99 ab	92 ab	92 ab
16	CLASSIC	25	WG	0.02	lb ai/a			7-14EPP	A				
16	HARMONY GT XP	50	SG	0.00643	lb ai/a			7-14EPP	A				
16	VALOR SX	51	WG	0.0635	lb ai/a			7-14EPP	A				
16	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
16	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
16	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
16	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
LSD (P=.05)										15.0	1.1	7.7	14.8
Replicate F										4.135	1.677	2.463	2.251
Replicate Prob(F)										0.0286	0.2040	0.1022	0.1228
Treatment F										27.469	3978.683	75.481	21.326
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001

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

Weed Management for Conventional Soybean in No-Till.

Trial ID: 08-11A-E85 Location: Belleville Res. Center

Pest Code	AMATA	AMATA	AMATA	AMATA
Crop Code				
Rating Date	06-26-08	07-10-08	07-24-08	08-21-08
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing	36 DA-A			
Trt-Eval Interval	0 DA-B	14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0 i	0 b	0 c	0 d
2	NO RESIDUAL HERB										93 a	84 ab	78 abc
2	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
2	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
2	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
2	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
3	SONIC	70	DF	0.14	lb ai/a	3.2	oz/a	7-14EPP	A	87 abc	99 a	99 a	99 a
3	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
3	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
3	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
3	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
4	SONIC	70	DF	0.28	lb ai/a	6.4	oz/a	7-14EPP	A	97 a	99 a	99 a	99 a
4	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
4	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
4	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
4	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
5	CANOPY	75	WG	0.14	lb ai/a	3.0	oz/a	7-14EPP	A	17 hi	91 a	83 ab	70 bc
5	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
5	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
5	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
5	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
6	CANOPY	75	WG	0.28	lb ai/a	6.0	oz/a	7-14EPP	A	68 b-e	95 a	91 ab	83 abc
6	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
6	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
6	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
6	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
7	PROWL H2O	3.8	CS	0.594	lb ai/a	1.25	pt/a	7-14EPP	A	30 gh	90 a	76 b	60 c
7	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
7	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
7	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
7	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
8	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	7-14EPP	A	86 a-d	99 a	95 ab	94 ab
8	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
8	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
8	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
8	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
9	VALOR XLT	40.3	WG			3.0	oz/a	7-14EPP	A	88 ab	99 a	97 a	95 ab
9	VALOR SX	51	WG	0.056	lb ai/a			7-14EPP	A				
9	CLASSIC	25	WG	0.0194	lb ai/a			7-14EPP	A				
9	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
9	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
9	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
9	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
10	VALOR XLT	40.3	WG			5.0	oz/a	7-14EPP	A	99 a	99 a	99 a	98 ab
10	VALOR SX	51	WG	0.093	lb ai/a			7-14EPP	A				
10	CLASSIC	25	WG	0.0322	lb ai/a			7-14EPP	A				
10	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
10	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
10	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
10	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
11	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	7-14EPP	A	43 fg	88 a	84 ab	81 abc
11	SCEPTER	70	WG	0.061	lb ai/a	1.4	oz/a	7-14EPP	A				
11	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
11	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
11	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
11	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				

Weed Management for Conventional Soybean in No-Till.

Trial ID: 08-11A-E85 Location: Belleville Res. Center

Pest Code		AMATA	AMATA	AMATA	AMATA
Crop Code					
Rating Date		06-26-08	07-10-08	07-24-08	08-21-08
Rating Data Type		Control	Control	Control	Control
Rating Unit		Percent	Percent	Percent	Percent
Rating Timing		36 DA-A			
Trt-Eval Interval		0 DA-B	14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
12	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	7-14EPP	A	63	c-f	98	a 94 ab 95 ab	
12	SCEPTER	70	WG	0.122	lb ai/a	2.8	oz/a	7-14EPP	A					
12	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B					
12	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B					
12	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B					
12	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B					
13	PREFIX	5.29	EC	0.66	lb ai/a	1.0	pt/a	7-14EPP	A	58	ef	93	a 86 ab 80 abc	
13	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B					
13	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B					
13	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B					
13	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B					
14	PREFIX	5.29	EC	1.32	lb ai/a	2.0	pt/a	7-14EPP	A	62	def	99	a 93 ab 93 ab	
14	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B					
14	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B					
14	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B					
14	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B					
15	WEED FREE									99	a	99	a 99 a 99 a	
15	DUAL MAGNUM	7.62	EC	1.27	lb ai/a	1.33	pt/a	7-14EPP	A					
15	FIRSTRATE	84	WG	0.0315	lb ai/a	0.6	oz/a	7-14EPP	A					
15	ROUNDUP O-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4"W	B					
15	N-PAK AMS	100	SL	5.0	% v/v	5	% v/v	4"W	B					
15	HANDWEED													
16	DPX-QER54	41.3	WG			3.5	oz/a	7-14EPP	A	95	a	99	a 97 a 97 ab	
16	CLASSIC	25	WG	0.02	lb ai/a			7-14EPP	A					
16	HARMONY GT XP	50	SG	0.00643	lb ai/a			7-14EPP	A					
16	VALOR SX	51	WG	0.0635	lb ai/a			7-14EPP	A					
16	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B					
16	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B					
16	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B					
16	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B					
LSD (P=.05)										24.5		11.2	19.1	28.6
Replicate F										1.149		0.206	0.240	0.637
Replicate Prob(F)										0.3314		0.8149	0.7882	0.5361
Treatment F										13.902		39.354	13.081	6.335
Treatment Prob(F)										0.0001		0.0001	0.0001	0.0001

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

## Weed Management for Conventional Soybean in No-Till.

Trial ID: 08-11A-E85

Location: Belleville Res. Center

								AMBEL	AMBEL	AMBEL	AMBEL		
Pest Code								06-26-08	07-10-08	07-24-08	08-21-08		
Crop Code								Control	Control	Control	Control		
Rating Date								Percent	Percent	Percent	Percent		
Rating Data Type								36 DA-A	14 DA-B	28 DA-B	56 DA-B		
Rating Unit								0 DA-B	14 DA-B	28 DA-B	56 DA-B		
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				
1	NONTREATED									0 c	0 b	0 b	0 c
2	NO RESIDUAL HERB										99 a	99 a	99 a
2	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
2	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
2	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
2	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
3	SONIC	70	DF	0.14	lb ai/a	3.2	oz/a	7-14EPP	A	99 a	99 a	99 a	99 a
3	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
3	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
3	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
3	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
4	SONIC	70	DF	0.28	lb ai/a	6.4	oz/a	7-14EPP	A	99 a	99 a	99 a	99 a
4	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
4	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
4	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
4	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
5	CANOPY	75	WG	0.14	lb ai/a	3.0	oz/a	7-14EPP	A	99 a	99 a	99 a	99 a
5	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
5	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
5	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
5	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
6	CANOPY	75	WG	0.28	lb ai/a	6.0	oz/a	7-14EPP	A	99 a	99 a	99 a	99 a
6	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
6	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
6	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
6	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
7	PROWL H2O	3.8	CS	0.594	lb ai/a	1.25	pt/a	7-14EPP	A	96 ab	99 a	99 a	99 a
7	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
7	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
7	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
7	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
8	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	7-14EPP	A	90 b	99 a	99 a	99 a
8	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
8	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
8	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
8	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
9	VALOR XLT	40.3	WG			3.0	oz/a	7-14EPP	A	99 a	99 a	99 a	99 b
9	VALOR SX	51	WG	0.056	lb ai/a			7-14EPP	A				
9	CLASSIC	25	WG	0.0194	lb ai/a			7-14EPP	A				
9	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
9	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
9	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
9	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
10	VALOR XLT	40.3	WG			5.0	oz/a	7-14EPP	A	99 a	99 a	99 a	99 a
10	VALOR SX	51	WG	0.093	lb ai/a			7-14EPP	A				
10	CLASSIC	25	WG	0.0322	lb ai/a			7-14EPP	A				
10	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
10	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
10	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
10	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
11	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	7-14EPP	A	96 ab	99 a	99 a	99 a
11	SCEPTER	70	WG	0.061	lb ai/a	1.4	oz/a	7-14EPP	A				
11	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
11	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
11	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
11	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				

Weed Management for Conventional Soybean in No-Till.

Trial ID: 08-11A-E85 Location: Belleville Res. Center

						AMBEL	AMBEL	AMBEL	AMBEL					
						06-26-08	07-10-08	07-24-08	08-21-08					
						Control	Control	Control	Control					
						Percent	Percent	Percent	Percent					
						36 DA-A	14 DA-B	28 DA-B	56 DA-B					
						0 DA-B	14 DA-B	28 DA-B	56 DA-B					
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
12	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	7-14EPP	A	96	ab	99	a	
12	SCEPTER	70	WG	0.122	lb ai/a	2.8	oz/a	7-14EPP	A					
12	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B					
12	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B					
12	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B					
12	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B					
13	PREFIX	5.29	EC	0.66	lb ai/a	1.0	pt/a	7-14EPP	A	93	ab	99	a	
13	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B					
13	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B					
13	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B					
13	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B					
14	PREFIX	5.29	EC	1.32	lb ai/a	2.0	pt/a	7-14EPP	A	90	b	99	a	
14	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B					
14	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B					
14	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B					
14	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B					
15	WEED FREE									99	a	99	a	
15	DUAL MAGNUM	7.62	EC	1.27	lb ai/a	1.33	pt/a	7-14EPP	A					
15	FIRSTRATE	84	WG	0.0315	lb ai/a	0.6	oz/a	7-14EPP	A					
15	ROUNDUP O-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4"W	B					
15	N-PAK AMS	100	SL	5.0	% v/v	5	% v/v	4"W	B					
15	HANDWEED													
16	DPX-QER54	41.3	WG			3.5	oz/a	7-14EPP	A	99	a	99	a	
16	CLASSIC	25	WG	0.02	lb ai/a			7-14EPP	A					
16	HARMONY GT XP	50	SG	0.00643	lb ai/a			7-14EPP	A					
16	VALOR SX	51	WG	0.0635	lb ai/a			7-14EPP	A					
16	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B					
16	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B					
16	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B					
16	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B					
LSD (P=.05)										7.1		0.0		0.2
Replicate F										2.064		0.000		1.000
Replicate Prob(F)										0.1458		1.0000		1.0000
Treatment F										105.711		0.000		0.000
Treatment Prob(F)										0.0001		1.0000		1.0000

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

## Weed Management for Conventional Soybean in No-Till.

Trial ID: 08-11A-E85

Location: Belleville Res. Center

Pest Code								CYPES	CYPES	CYPES	CYPES		
Crop Code								06-26-08	07-10-08	07-24-08	08-21-08		
Rating Date								Control	Control	Control	Control		
Rating Data Type								Percent	Percent	Percent	Percent		
Rating Unit								36 DA-A	14 DA-B	28 DA-B	56 DA-B		
Rating Timing								0 DA-B	14 DA-B	28 DA-B	56 DA-B		
Trt-Eval Interval													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0 f	0 h	0 e	0 e
2	NO RESIDUAL HERB										43 fg	13 e	10 e
2	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
2	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
2	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
2	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
3	SONIC	70	DF	0.14	lb ai/a	3.2	oz/a	7-14EPP	A	73 c	87 abc	75 ab	70 abc
3	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
3	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
3	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
3	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
4	SONIC	70	DF	0.28	lb ai/a	6.4	oz/a	7-14EPP	A	85 abc	94 ab	92 a	90 ab
4	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
4	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
4	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
4	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
5	CANOPY	75	WG	0.14	lb ai/a	3.0	oz/a	7-14EPP	A	75 bc	83 a-d	72 ab	68 abc
5	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
5	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
5	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
5	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
6	CANOPY	75	WG	0.28	lb ai/a	6.0	oz/a	7-14EPP	A	82 bc	78 a-e	69 ab	67 bc
6	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
6	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
6	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
6	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
7	PROWL H2O	3.8	CS	0.594	lb ai/a	1.25	pt/a	7-14EPP	A	37 d	62 b-f	50 bcd	43 cd
7	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
7	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
7	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
7	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
8	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	7-14EPP	A	37 d	46 efg	32 cde	23 de
8	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
8	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
8	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
8	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
9	VALOR XLT	40.3	WG			3.0	oz/a	7-14EPP	A	88 abc	89 abc	82 ab	77 ab
9	VALOR SX	51	WG	0.056	lb ai/a			7-14EPP	A				
9	CLASSIC	25	WG	0.0194	lb ai/a			7-14EPP	A				
9	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
9	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
9	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
9	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
10	VALOR XLT	40.3	WG			5.0	oz/a	7-14EPP	A	90 ab	94 ab	90 a	87 ab
10	VALOR SX	51	WG	0.093	lb ai/a			7-14EPP	A				
10	CLASSIC	25	WG	0.0322	lb ai/a			7-14EPP	A				
10	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
10	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
10	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
10	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
11	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	7-14EPP	A	20 e	47 efg	28 de	20 de
11	SCEPTER	70	WG	0.061	lb ai/a	1.4	oz/a	7-14EPP	A				
11	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
11	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
11	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
11	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				

## Weed Management for Conventional Soybean in No-Till.

Trial ID: 08-11A-E85

Location: Belleville Res. Center

Pest Code	CYPES	CYPES	CYPES	CYPES
Crop Code				
Rating Date	06-26-08	07-10-08	07-24-08	08-21-08
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing	36 DA-A			
Trt-Eval Interval	0 DA-B	14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
12	PROWL H2O	3.8	CS	1.19	lb ai/a	2.5	pt/a	7-14EPP	A	20 e	17 gh	0 e	0 e
12	SCEPTER	70	WG	0.122	lb ai/a	2.8	oz/a	7-14EPP	A				
12	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
12	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
12	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
12	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
13	PREFIX	5.29	EC	0.66	lb ai/a	1.0	pt/a	7-14EPP	A	27 de	57 c-f	33 cde	32 de
13	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
13	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
13	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
13	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
14	PREFIX	5.29	EC	1.32	lb ai/a	2.0	pt/a	7-14EPP	A	37 d	53 def	32 cde	20 de
14	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
14	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
14	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
14	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
15	WEED FREE									99 a	99 a	99 a	99 a
15	DUAL MAGNUM	7.62	EC	1.27	lb ai/a	1.33	pt/a	7-14EPP	A				
15	FIRSTRATE	84	WG	0.0315	lb ai/a	0.6	oz/a	7-14EPP	A				
15	ROUNDUP O-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4"W	B				
15	N-PAK AMS	100	SL	5.0	% v/v	5	% v/v	4"W	B				
15	HANDWEED												
16	DPX-QER54	41.3	WG			3.5	oz/a	7-14EPP	A	78 bc	85 a-d	66 abc	67 bc
16	CLASSIC	25	WG	0.02	lb ai/a			7-14EPP	A				
16	HARMONY GT XP	50	SG	0.00643	lb ai/a			7-14EPP	A				
16	VALOR SX	51	WG	0.0635	lb ai/a			7-14EPP	A				
16	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	4"W	B				
16	FUSION	2.56	EC	0.24	lb ai/a	12	fl oz/a	4"W	B				
16	DESTINY MSO	100	SL	1.0	% v/v	1	% v/v	4"W	B				
16	28% UAN	100	SL	2.5	% v/v	2.5	% v/v	4"W	B				
LSD (P=.05)										15.9	33.3	34.8	32.1
Replicate F										2.429	0.238	0.682	0.801
Replicate Prob(F)										0.1065	0.7894	0.5130	0.4583
Treatment F										34.025	6.402	7.407	9.045
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001

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

## Trial Comments

1. Protocol: ISA.
2. Ratings: CI/WC prior to POST; CI/WC 14, 28 + 56 DA POST.
3. Yield.
4. Blanket application, same day as 7-14EPP application, Roundup Original Max (22 fl oz/A) + 2,4-D LV4 (1.0 pt/A), 10 ft wide to all plots on 5-21-08.
5. 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 7-14DBP application on May 21, rainfall was 0.17 inch 1 day later, 0.20 inch 3 days later, and 1.92 inch 5 days later.
6. DA-A = Days after the 7-14EPP application. DA-B = Days after 4"W application.
7. Harvested 10-29-08, (2) 30 inch rows by 23 ft.