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: SEEDED **Planting Date:** 06-15-08
Rate, Unit: 75 LB/A **Depth, Unit:** 1.0 IN
Row Spacing, Unit: 30 IN

Pest 1 Type: W	**Code:** 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, P2O5 0 LB/A, K2O 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
	05-21-08	06-26-08
Crop stage at application:	NA	VC
Height Min, Max (inch):		2.5 4

Pest Stage At Each Application

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

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

Weed Management for Conventional Soybean in No-Till.

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

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

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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				
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				

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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

Pest Code										AMBEL	AMBEL	AMBEL	AMBEL
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 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

Pest Code									AMBEL	AMBEL	AMBEL	AMBEL
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	96 ab	99 a	99 a	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	99 a	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	99 a	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	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	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	0.0	0.2
Replicate F										2.064	0.000	0.000	1.000
Replicate Prob(F)										0.1458	1.0000	1.0000	0.3798
Treatment F										105.711	0.000	0.000	88170.407
Treatment Prob(F)										0.0001	1.0000	1.0000	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										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							
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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
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
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 floz/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.