

Soybean, Tilled Weed Control Studies

Southern Illinois University

Prefix Evaluation in Soybean.

Trial ID: 08-6A-W70

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: 06-17-08

Objectives: Compare weed management programs with Prefix to competitive herbicide programs in reduced-till soybean.

Crop 1: GLXMA Soybean Variety: AG 4404 RR/STS
 Planting Method: SEEDED Planting Date: 06-17-08
 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: XANST Xanthium strumarium L. cocklebur, common
 Pest 3 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 25 FT Tillage Type: REDUCED-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 100 LB/A

% OM: 1.6 Texture: SILT LOAM
 pH: 6.3 Soil Name: CASEYVILLE
 CEC: 7 Fert. Level: P1 105 LB/A, K 448 LB/A

Application Description

	A	B	C	D	E
Application Date:	06-18-08	07-04-08	07-04-08	07-18-08	07-18-08
Time of Day:	12:30	11:00	11:00	10:00	10:00
Application Method:	Spray	Spray	Spray	Spray	Spray
Application Timing:	PRE	3-4"W-1	3-4"W-2	3-4"W-3	3-4"W-3
Application Placement:	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL
Applied By:	TGM	TGM	TGM	TGM	TGM
Air Temperature, Unit:	80 F	72 F	72 F	83 F	83 F
% Relative Humidity:	50	92	92	74	74
Wind Velocity, Unit:	2 MPH	2 MPH	2 MPH	1 MPH	1 MPH
Dew Presence (Y/N):	N	N	N	N	N
Soil Temperature, Unit:	81 F	83 F	83 F	85 F	85 F
Soil Moisture:	NORMAL	ABONOR	ABONOR	NORMAL	NORMAL
% Cloud Cover:	0	80	80	0	0
Crop stage at application:	NA	V1	V1	V3	V3
Height Min, Max (inch):		3 4	3 4	7 10	7 10

Pest Stage At Each Application

	06-18-08	07-04-08	07-04-08	07-18-08	07-18-08
Application Date:	06-18-08	07-04-08	07-04-08	07-18-08	07-18-08
Weed Code:	SETFA	SETFA	SETFA	SETFA	SETFA
Stage Majority (leaves):	NA	4	4	3	6
Stage Min, Max:		3 5	3 5	2 4	3 8
Height Majority:		4 IN	4 IN	4 IN	18 IN
Height Min, Max:		2 8	2 8	2 5	5 25
Density, Unit:		8 FT2	8 FT2	1 FT2	8 FT2
Weed Code:	XANST	XANST	XANST	XANST	XANST
Stage Majority (leaves):	NA	2	2	2	6
Stage Min, Max:		COTY 4	COTY 4	COTY 4	4 7
Height Majority:		3 IN	3 IN	4 IN	14 IN
Height Min, Max:		2 4	2 4	1 6	12 16
Density, Unit:		3 FT2	3 FT2	4 FT2	4 FT2
Weed Code:	AMATA	AMATA	AMATA	AMATA	AMATA
Stage Majority (leaves):	NA	3	3	3	6
Stage Min, Max:		COTY 5	COTY 5	COTY 4	4 10
Height Majority:		2.5 IN	2.5 IN	2 IN	8 IN
Height Min, Max:		1 4	1 4	1 3	3 12
Density, Unit:		0.5 FT2	0.5 FT2	0.5 FT2	3 FT2

Application Equipment

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

Prefix Evaluation in Soybean.

Trial ID: 08-6A-W70

Location: Belleville Res. Center

Pest Code									GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	
Crop Code									10-31-08	10-31-08	06-29-08	07-06-08	07-18-08	07-31-08	08-29-08	
Rating Date									Moisture	Yield	Injury	Injury	Injury	Injury	Injury	
Rating Data Type									Percent	bu/A	Percent	Percent	Percent	Percent	Percent	
Rating Unit											7 DAE	14 DAE	14 DA-C	27 DA-C	56 DA-C	
Rating Timing											11 DA-A	2 DA-C	0 DA-D	13 DA-D	42 DA-D	
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									12.4 cd	1 c	0 a	0 d	0 c	0 a	0 a
2	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	PRE	A	12.1 ef	8 c	0 a	3 c	0 c	0 a	0 a
2	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C							
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C							
3	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	PRE	A	12.5 bc	2 c	0 a	4 c	6 a	0 a	0 a
3	SEQUENCE	5.25	SL	1.64	lb ae/a	40	fl oz/a	3-4"W-1	B							
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	B							
4	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	PRE	A	12.8 a	3 c	0 a	0 d	1 bc	0 a	0 a
4	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C							
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C							
5	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	13.0 a	2 c	0 a	8 b	4 a	0 a	0 a
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C							
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C							
6	ENVIVE	41.3	WG			3.5	oz/a	PRE	A	12.8 a	5 c	0 a	12 a	3 ab	0 a	0 a
6	CLASSIC	25	WG	0.02	lb ai/a			PRE	A							
6	HARMONY SG	50	SG	0.00643	lb ai/a			PRE	A							
6	VALOR SX	51	WG	0.0635	lb ai/a			PRE	A							
6	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C							
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C							
7	SONIC	70	WG	0.131	lb ai/a	3	oz/a	PRE	A	12.6 bc	6 c	0 a	0 d	0 c	0 a	0 a
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C							
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C							
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	B	12.3 de	4 c		0 d	0 c	0 a	0 a
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	B							
9	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	B	12.1 ef	19 b		0 d	0 c	0 a	0 a
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	B							
9	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-3	D							
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-3	D							
10	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C	12.6 b	1 c		0 d	0 c	0 a	0 a
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C							
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-3	D	12.0 f	29 a				0 a	0 a
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-3	D							
LSD (P=.05)										0.19	9.0	0.0	2.9	2.7	0.0	0.0
Replicate F										1.521	1.094	0.000	0.222	1.532	0.000	0.000
Replicate Prob(F)										0.2468	0.3542	1.0000	0.8032	0.2430	1.0000	1.0000
Treatment F										25.880	8.238	0.000	18.549	6.207	0.000	0.000
Treatment Prob(F)										0.0001	0.0001	1.0000	0.0001	0.0005	1.0000	1.0000

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

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										SETFA	SETFA	SETFA	SETFA
										07-04-08	07-18-08	07-31-08	08-29-08
										Control	Control	Control	Control
										Percent	Percent	Percent	Percent
										0 DA-B	14 DA-C	27 DA-C	56 DA-C
										16 DA-A	0 DA-D	13 DA-D	42 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0 d	0 f	0 d	0 c
2	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	PRE	A	97 a	99 a	99 a	99 a
2	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C				
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C				
3	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	PRE	A	97 a	99 a	99 a	99 a
3	SEQUENCE	5.25	SL	1.64	lb ae/a	40	fl oz/a	3-4"W-1	B				
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	B				
4	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	PRE	A	97 a	99 a	99 a	99 a
4	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C				
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C				
5	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	60 bc	98 bc	96 ab	96 a
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C				
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C				
6	ENVIVE	41.3	WG			3.5	oz/a	PRE	A	67 b	99 ab	96 ab	93 a
6	CLASSIC	25	WG	0.02	lb ai/a			PRE	A				
6	HARMONY SG	50	SG	0.00643	lb ai/a			PRE	A				
6	VALOR SX	51	WG	0.0635	lb ai/a			PRE	A				
6	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C				
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C				
7	SONIC	70	WG	0.131	lb ai/a	3	oz/a	PRE	A	55 c	98 cd	92 ab	90 a
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C				
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C				
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	B		97 cde	53 c	53 b
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	B				
9	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	B		97 e	85 b	90 a
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	B				
9	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-3	D				
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-3	D				
10	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C		97 de	92 ab	88 a
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C				
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-3	D			88 ab	90 a
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-3	D				
LSD (P=.05)										9.0	0.9	11.5	11.8
Replicate F										2.350	2.111	1.353	1.466
Replicate Prob(F)										0.1376	0.1501	0.2811	0.2547
Treatment F										144.062	9618.778	59.450	56.200
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001

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

Prefix Evaluation in Soybean.

Trial ID: 08-6A-W70

Location: Belleville Res. Center

Pest Code	XANST	XANST	XANST	XANST
Crop Code				
Rating Date	07-04-08	07-18-08	07-31-08	08-29-08
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing	0 DA-B	14 DA-C	27 DA-C	56 DA-C
Trt-Eval Interval	16 DA-A	0 DA-D	13 DA-D	42 DA-D

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 e	0 c	0 c
2	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	PRE	A	20 b	88 a	50 b	27 b
2	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C				
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C				
3	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	PRE	A	20 b	92 a	45 b	27 b
3	SEQUENCE	5.25	SL	1.64	lb ae/a	40	fl oz/a	3-4"W-1	B				
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	B				
4	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	PRE	A	27 ab	72 c	0 c	0 c
4	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C				
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C				
5	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	25 ab	80 b	10 c	3 c
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C				
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C				
6	ENVIVE	41.3	WG			3.5	oz/a	PRE	A	38 a	88 a	37 b	20 b
6	CLASSIC	25	WG	0.02	lb ai/a			PRE	A				
6	HARMONY SG	50	SG	0.00643	lb ai/a			PRE	A				
6	VALOR SX	51	WG	0.0635	lb ai/a			PRE	A				
6	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C				
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C				
7	SONIC	70	WG	0.131	lb ai/a	3	oz/a	PRE	A	33 ab	90 a	40 b	23 b
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C				
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C				
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	B		57 d	7 c	0 c
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	B				
9	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	B		68 c	83 a	82 a
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	B				
9	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-3	D				
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-3	D				
10	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C		68 c	0 c	0 c
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C				
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-3	D			78 a	78 a
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-3	D				
LSD (P=.05)										14.2	6.9	17.0	9.6
Replicate F										4.142	1.249	1.117	0.288
Replicate Prob(F)										0.0429	0.3105	0.3468	0.7530
Treatment F										7.065	137.521	28.761	85.827
Treatment Prob(F)										0.0021	0.0001	0.0001	0.0001

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						AMATA	AMATA	AMATA	AMATA				
						07-04-08	07-18-08	07-31-08	08-29-08				
						Control	Control	Control	Control				
						Percent	Percent	Percent	Percent				
						0 DA-B	14 DA-C	27 DA-C	56 DA-C				
						16 DA-A	0 DA-D	13 DA-D	42 DA-D				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0 b	0 d	0 d	0 d
2	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	PRE	A	99 a	99 a	99 a	99 a
2	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C				
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C				
3	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	PRE	A	99 a	99 a	99 a	99 a
3	SEQUENCE	5.25	SL	1.64	lb ae/a	40	fl oz/a	3-4"W-1	B				
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	B				
4	BOUNDARY	6.5	EC	1.22	lb ai/a	1.5	pt/a	PRE	A	99 a	99 a	99 a	99 a
4	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C				
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C				
5	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	99 a	99 a	99 a	99 a
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C				
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C				
6	ENVIVE	41.3	WG			3.5	oz/a	PRE	A	99 a	98 a	99 a	96 a
6	CLASSIC	25	WG	0.02	lb ai/a			PRE	A				
6	HARMONY SG	50	SG	0.00643	lb ai/a			PRE	A				
6	VALOR SX	51	WG	0.0635	lb ai/a			PRE	A				
6	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C				
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C				
7	SONIC	70	WG	0.131	lb ai/a	3	oz/a	PRE	A	99 a	99 a	89 ab	89 ab
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C				
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C				
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	B		92 b	37 c	33 c
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	B				
9	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-1	B		86 c	95 ab	95 a
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-1	B				
9	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-3	D				
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-3	D				
10	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-2	C		89 bc	86 ab	83 ab
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-2	C				
11	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	3-4"W-3	D			80 b	73 b
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W-3	D				
LSD (P=.05)										0.0	5.4	15.8	17.8
Replicate F										0.000	0.209	0.638	0.744
Replicate Prob(F)										1.0000	0.8130	0.5390	0.4880
Treatment F										0.000	280.399	36.155	29.156
Treatment Prob(F)										1.0000	0.0001	0.0001	0.0001

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

Trial Comments

1. Protocol: Syngenta (BRM12A).
2. Ratings: CI at 7, 14 + 28 DAE; CI/WC at 0, 14, 28 + 56 DA"C".
3. Application "B" should not exceed the V2-3 soybean growth stage (all "B" applications on same day).
Application "C" is 3-4 inch weeds in plots with a PRE (all "C" applications on same day).
Application "D" is for 3-4 inch weed regrowth from "B" applications (all "D" applications on same day).
4. Yield.
5. DAE = Days after crop emergence. DA-A = Days after the PRE application. DA-C = Days after the 3-4"W-2 application.
DA-D = Days after the 3-4"W-3 application.
6. 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 PRE application on June 18, rainfall was 0.29 inch 2 days later and 0.35 inch 9 days later.
7. Weed sizes at application "D" varied by treatment. Weed sizes for treatment 9 and 11 are listed under "D" and "E", respectively.
8. Harvested 10-31-08, (2) 30 inch rows by 22 ft.