

Parallel and Parallel Plus in Glyphosate-Resistant Corn.

Trial ID: 08-1-MW80 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: 06-15-08

Objectives: Evaluate the efficacy of Parallel and Parallel Plus in a Roundup Ready corn system.

Crop 1: ZEAMD Dent corn Variety: P33K44
 Planting Method: SEEDED Planting Date: 06-15-08
 Rate, Unit: 28000 S/A Depth, Unit: 1.5 IN
 Row Spacing, Unit: 30 IN

Pest 1 Type: W Code: SETFA Setaria faberi Herrm. foxtail, giant
 Pest 2 Type: W Code: ABUTH Abutilon theophrasti Medicus velvetleaf
 Pest 3 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common
 Pest 4 Type: W Code: PANDI Panicum dichotomiflorum Michx. panicum, fall

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 28 FT Tillage Type: REDUCED-TILL
 Replications: 4 Study Design: Randomized Complete Block

Prior Crops, Year
 1. GLXMA 2007

Field Prep./Maintenance: N 150 LB/A, P205 0 LB/A, K20 100 LB/A

% OM: 1.6 Texture: SILT LOAM
 pH: 6.2 Soil Name: WINFIELD
 CEC: 8 Fert. Level: P1: 83 LB/A, K: 396 LB/A

Application Description

	A	B	C
Application Date:	06-15-08	07-04-08	07-18-08
Time of Day:	19:00	9:00	9:30
Application Method:	Spray	Spray	Spray
Application Timing:	PRE	3-4"W	3-4"RG
Application Placement:	BROSOI	BROFOL	BROFOL
Applied By:	NRJ	NRJ	TGM
Air Temperature, Unit:	88 F	66 F	78 F
% Relative Humidity:	60	92	90
Wind Velocity, Unit:	2 MPH	2 MPH	1 MPH
Dew Presence (Y/N):	N	N	N
Soil Temperature, Unit:	80 F	83 F	89 F
Soil Moisture:	NORMAL	ABONOR	NORMAL
% Cloud Cover:	75	75	0
Crop stage at application:	NA	V5	V8
Height Min, Max (inch):		11 13	40 62

Pest Stage At Each Application

	06-15-08	07-04-08	07-18-08
Application Date:	06-15-08	07-04-08	07-18-08
Weed Code:	SETFA	SETFA	SETFA
Stage Majority (leaves):	NA	3	3
Stage Min, Max:		2 3	3 7
Height Majority:		3 IN	4 IN
Height Min, Max:		1.5 4	3 7
Density, Unit:		0.1 FT2	0.1 FT2
Weed Code:	ABUTH	ABUTH	ABUTH
Stage Majority (leaves):	NA	4	4
Stage Min, Max:		3 5	2 5
Height Majority:		3 IN	3 IN
Height Min, Max:		2 4	2 6
Density, Unit:		0.1 FT2	0.5 FT2
Weed Code:	AMATA	AMATA	AMATA
Stage Majority (leaves):	NA	4	4
Stage Min, Max:		2 4	2 6
Height Majority:		1 IN	4 IN
Height Min, Max:		0.5 2	1 6
Density, Unit:		0.1 FT2	3 FT2
Weed Code:	PANDI	PANDI	PANDI
Stage Majority (leaves):	NA	4	4
Stage Min, Max:		2 6	3 8
Height Majority:		3 IN	4 IN
Height Min, Max:		1 4	2 8
Density, Unit:		0.1 FT2	0.1 FT2

Application Equipment

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

Parallel and Parallel Plus in Glyphosate-Resistant Corn.

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

ZEAMD	ZEAMD	ZEAMD	ZEAMD	ZEAMD
06-29-08	07-18-08	08-01-08	08-15-08	08-29-08
Injury	Injury	Injury	Injury	Injury
Percent	Percent	Percent	Percent	Percent
0 DA-C	14 DA-C	28 DA-C	42 DA-C	56 DA-C
14 DA-A	14 DA-B	28 DA-B	42 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	PARALLEL	7.8	EC	1.46	lb ai/a	1.5	pt/a	PRE	A	0 a	0 a	0 a	0 a	0 a
1	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	B					
1	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
2	PARALLEL	7.8	EC	1.46	lb ai/a	1.5	pt/a	PRE	A	0 a	0 a	0 a	0 a	0 a
2	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	3-4"W	B					
2	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B					
2	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
3	PARALLEL	7.8	EC	1.46	lb ai/a	1.5	pt/a	PRE	A	0 a	0 a	0 a	0 a	0 a
3	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	3-4"W	B					
3	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B					
3	DESTINY MSO	100	SL	1	% v/v	1	% v/v	3-4"W	B					
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
4	PARALLEL	7.8	EC	1.46	lb ai/a	1.5	pt/a	PRE	A	0 a	0 a	0 a	0 a	0 a
4	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	3-4"W	B					
4	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B					
4	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
5	DUAL II MAG	7.64	EC	1.43	lb ai/a	1.5	pt/a	PRE	A	0 a	0 a	0 a	0 a	0 a
5	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	B					
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
6	DUAL II MAG	7.64	EC	1.43	lb ai/a	1.5	pt/a	PRE	A	0 a	0 a	0 a	0 a	0 a
6	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	3-4"W	B					
6	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B					
6	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
7	DUAL II MAG	7.64	EC	1.43	lb ai/a	1.5	pt/a	PRE	A	0 a	0 a	0 a	0 a	0 a
7	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	3-4"W	B					
7	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B					
7	DESTINY MSO	100	SL	1	% v/v	1	% v/v	3-4"W	B					
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
8	DUAL II MAG	7.64	EC	1.43	lb ai/a	1.5	pt/a	PRE	A	0 a	0 a	0 a	0 a	0 a
8	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	3-4"W	B					
8	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B					
8	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
9	PARALLEL PLUS	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	0 a	0 a	0 a	0 a	0 a
9	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	B					
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
10	PARALLEL PLUS	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	0 a	0 a	0 a	0 a	0 a
10	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	3-4"W	B					
10	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
11	PARALLEL PLUS	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	0 a	0 a	0 a	0 a	0 a
11	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	3-4"W	B					
11	DESTINY MSO	100	SL	1	% v/v	1	% v/v	3-4"W	B					
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
12	PARALLEL PLUS	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	0 a	0 a	0 a	0 a	0 a
12	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	3-4"W	B					
12	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
13	BICEP II MAG	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	0 a	0 a	0 a	0 a	0 a
13	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	B					
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
14	BICEP II MAG	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	0 a	0 a	0 a	0 a	0 a
14	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	3-4"W	B					
14	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					

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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					
15	BICEP II MAG	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	0 a	0 a	0 a	0 a	0 a
15	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	3-4"W	B					
15	DESTINY MSO	100	SL	1	% v/v	1	% v/v	3-4"W	B					
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
16	BICEP II MAG	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	0 a	0 a	0 a	0 a	0 a
16	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	3-4"W	B					
16	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
17	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	B		0 a	0 a	0 a	0 a
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
17	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"RG	C					
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"RG	C					
18	NONTREATED									0 a	0 a	0 a	0 a	0 a
LSD (P=.05)										0.0	0.0	0.0	0.0	0.0
Replicate F										0.000	0.000	0.000	0.000	0.000
Replicate Prob(F)										1.0000	1.0000	1.0000	1.0000	1.0000
Treatment F										0.000	0.000	0.000	0.000	0.000
Treatment Prob(F)										1.0000	1.0000	1.0000	1.0000	1.0000

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

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Location: Belleville Res. Center

Pest Code	SETFA	SETFA	SETFA	SETFA	SETFA
Crop Code					
Rating Date	06-29-08	07-18-08	08-01-08	08-15-08	08-29-08
Rating Data Type	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent
Rating Timing	0 DA-C	14 DA-C	28 DA-C	28 DA-C	42 DA-C
Trt-Eval Interval	14 DA-A	14 DA-B	28 DA-B	42 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	98 a	99 a	98 abc	97 abc	97 abc
1	PARALLEL	7.8	EC	1.46	lb ai/a	1.5	pt/a	PRE	A	98 a	99 a	98 abc	97 abc	97 abc
1	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	B					
1	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
2	PARALLEL	7.8	EC	1.46	lb ai/a	1.5	pt/a	PRE	A	98 ab	98 ab	96 cd	95 cd	95 cd
2	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	3-4"W	B					
2	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B					
2	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
3	PARALLEL	7.8	EC	1.46	lb ai/a	1.5	pt/a	PRE	A	96 b	99 a	98 abc	98 ab	98 ab
3	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	3-4"W	B					
3	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B					
3	DESTINY MSO	100	SL	1	% v/v	1	% v/v	3-4"W	B					
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
4	PARALLEL	7.8	EC	1.46	lb ai/a	1.5	pt/a	PRE	A	98 a	98 ab	97 a-d	96 bcd	96 bcd
4	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	3-4"W	B					
4	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B					
4	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
5	DUAL II MAG	7.64	EC	1.43	lb ai/a	1.5	pt/a	PRE	A	98 a	99 a	98 abc	98 ab	98 ab
5	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	B					
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
6	DUAL II MAG	7.64	EC	1.43	lb ai/a	1.5	pt/a	PRE	A	98 a	99 a	98 ab	98 ab	98 ab
6	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	3-4"W	B					
6	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B					
6	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
7	DUAL II MAG	7.64	EC	1.43	lb ai/a	1.5	pt/a	PRE	A	98 a	99 a	99 ab	98 ab	98 ab
7	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	3-4"W	B					
7	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B					
7	DESTINY MSO	100	SL	1	% v/v	1	% v/v	3-4"W	B					
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
8	DUAL II MAG	7.64	EC	1.43	lb ai/a	1.5	pt/a	PRE	A	98 a	99 a	98 abc	97 a-d	97 a-d
8	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	3-4"W	B					
8	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B					
8	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
9	PARALLEL PLUS	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	98 a	99 a	98 abc	98 ab	97 abc
9	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	B					
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
10	PARALLEL PLUS	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	98 ab	96 bc	96 bcd	92 e	92 e
10	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	3-4"W	B					
10	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
11	PARALLEL PLUS	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	96 b	99 a	99 a	99 a	99 a
11	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	3-4"W	B					
11	DESTINY MSO	100	SL	1	% v/v	1	% v/v	3-4"W	B					
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
12	PARALLEL PLUS	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	97 ab	96 bc	94 d	94 de	94 de
12	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	3-4"W	B					
12	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
13	BICEP II MAG	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	98 a	99 a	98 abc	98 abc	98 abc
13	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	B					
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
14	BICEP II MAG	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a	99 a	99 a	99 a
14	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	3-4"W	B					
14	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					

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Pest Code	SETFA	SETFA	SETFA	SETFA	SETFA
Crop Code					
Rating Date	06-29-08	07-18-08	08-01-08	08-15-08	08-29-08
Rating Data Type	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent
Rating Timing	0 DA-C	14 DA-C	14 DA-C	28 DA-C	42 DA-C
Trt-Eval Interval	14 DA-A	14 DA-B	28 DA-B	42 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					
15	BICEP II MAG	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a	99 a	99 a	99 a
15	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	3-4"W	B					
15	DESTINY MSO	100	SL	1	% v/v	1	% v/v	3-4"W	B					
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
16	BICEP II MAG	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	98 ab	99 a	99 ab	98 abc	98 abc
16	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	3-4"W	B					
16	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
17	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	B		96 c	97 abc	99 a	99 a
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
17	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"RG	C					
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"RG	C					
18	NONTREATED									0 c	0 d	0 e	0 f	0 f
LSD (P=.05)										2.0	2.1	2.6	2.6	2.6
Replicate F										2.716	0.191	0.358	0.729	0.555
Replicate Prob(F)										0.0550	0.9020	0.7834	0.5392	0.6471
Treatment F										1113.575	1008.901	630.680	625.753	601.390
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001

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

Parallel and Parallel Plus in Glyphosate-Resistant Corn.

Trial ID: 08-1-MW80

Location: Belleville Res. Center

Pest Code	ABUTH	ABUTH	ABUTH	ABUTH	ABUTH
Crop Code					
Rating Date	06-29-08	07-18-08	08-01-08	08-15-08	08-29-08
Rating Data Type	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent
Rating Timing	0 DA-C	14 DA-C	28 DA-C	42 DA-C	42 DA-C
Trt-Eval Interval	14 DA-A	14 DA-B	28 DA-B	42 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	PARALLEL	7.8	EC	1.46	lb ai/a	1.5	pt/a	PRE	A	23	b	97	ab	94	c	93	d	92	c
1	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"	W	B									
1	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"	W	B									
2	PARALLEL	7.8	EC	1.46	lb ai/a	1.5	pt/a	PRE	A	23	b	99	a	99	a	99	a	99	a
2	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	3-4"	W	B									
2	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"	W	B									
2	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"	W	B									
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"	W	B									
3	PARALLEL	7.8	EC	1.46	lb ai/a	1.5	pt/a	PRE	A	20	bc	99	a	99	a	99	ab	99	ab
3	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	3-4"	W	B									
3	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"	W	B									
3	DESTINY MSO	100	SL	1	% v/v	1	% v/v	3-4"	W	B									
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"	W	B									
4	PARALLEL	7.8	EC	1.46	lb ai/a	1.5	pt/a	PRE	A	16	bc	99	a	99	a	99	a	99	a
4	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	3-4"	W	B									
4	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"	W	B									
4	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"	W	B									
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"	W	B									
5	DUAL II MAG	7.64	EC	1.43	lb ai/a	1.5	pt/a	PRE	A	15	bc	96	b	93	c	92	d	92	c
5	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"	W	B									
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"	W	B									
6	DUAL II MAG	7.64	EC	1.43	lb ai/a	1.5	pt/a	PRE	A	9	cd	99	a	99	a	99	a	99	a
6	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	3-4"	W	B									
6	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"	W	B									
6	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"	W	B									
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"	W	B									
7	DUAL II MAG	7.64	EC	1.43	lb ai/a	1.5	pt/a	PRE	A	14	bc	99	a	99	a	99	a	99	a
7	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	3-4"	W	B									
7	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"	W	B									
7	DESTINY MSO	100	SL	1	% v/v	1	% v/v	3-4"	W	B									
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"	W	B									
8	DUAL II MAG	7.64	EC	1.43	lb ai/a	1.5	pt/a	PRE	A	16	bc	99	a	99	a	99	a	99	a
8	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	3-4"	W	B									
8	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"	W	B									
8	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"	W	B									
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"	W	B									
9	PARALLEL PLUS	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	92	a	97	ab	97	ab	97	c	97	b
9	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"	W	B									
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"	W	B									
10	PARALLEL PLUS	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	96	a	99	a	99	a	99	a	99	a
10	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	3-4"	W	B									
10	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"	W	B									
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"	W	B									
11	PARALLEL PLUS	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	94	a	99	a	99	a	99	ab	99	ab
11	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	3-4"	W	B									
11	DESTINY MSO	100	SL	1	% v/v	1	% v/v	3-4"	W	B									
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"	W	B									
12	PARALLEL PLUS	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	95	a	99	a	99	a	99	a	99	a
12	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	3-4"	W	B									
12	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"	W	B									
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"	W	B									
13	BICEP II MAG	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	98	a	99	ab	97	b	97	bc	97	ab
13	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"	W	B									
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"	W	B									
14	BICEP II MAG	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	98	a	99	a	99	a	99	a	99	a
14	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	3-4"	W	B									
14	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"	W	B									
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"	W	B									

Parallel and Parallel Plus in Glyphosate-Resistant Corn.

Trial ID: 08-1-MW80 Location: Belleville Res. Center

Pest Code	ABUTH	ABUTH	ABUTH	ABUTH	ABUTH
Crop Code					
Rating Date	06-29-08	07-18-08	08-01-08	08-15-08	08-29-08
Rating Data Type	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent
Rating Timing	0 DA-C	14 DA-C	28 DA-C	42 DA-C	56 DA-C
Trt-Eval Interval	14 DA-A	14 DA-B	28 DA-B	42 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					
15	BICEP II MAG	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a	98 ab	98 abc	98 ab
15	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	3-4"W	B					
15	DESTINY MSO	100	SL	1	% v/v	1	% v/v	3-4"W	B					
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
16	BICEP II MAG	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	95 a	99 a	99 a	99 ab	99 ab
16	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	3-4"W	B					
16	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
17	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	B		97 ab	99 a	99 a	99 a
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
17	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"RG	C					
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"RG	C					
18	NONTREATED									0 d	0 c	0 d	0 e	0 d
LSD (P=.05)										11.5	2.7	1.9	2.2	2.4
Replicate F										0.589	0.542	1.556	0.678	0.669
Replicate Prob(F)										0.6249	0.6555	0.2113	0.5698	0.5749
Treatment F										109.243	602.669	1172.326	904.773	754.379
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001

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

Parallel and Parallel Plus in Glyphosate-Resistant Corn.

Trial ID: 08-1-MW80

Location: Belleville Res. Center

Pest Code	AMATA	AMATA	AMATA	AMATA	AMATA
Crop Code					
Rating Date	06-29-08	07-18-08	08-01-08	08-15-08	08-29-08
Rating Data Type	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent
Rating Timing	0 DA-C	14 DA-C	28 DA-C	28 DA-C	42 DA-C
Trt-Eval Interval	14 DA-A	14 DA-B	28 DA-B	42 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	PARALLEL	7.8	EC	1.46	lb ai/a	1.5	pt/a	PRE	A	99 a	98 b	96 ab	95 b	95 b
1	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	B					
1	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
2	PARALLEL	7.8	EC	1.46	lb ai/a	1.5	pt/a	PRE	A	99 a	99 a	99 a	99 a	99 a
2	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	3-4"W	B					
2	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B					
2	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
3	PARALLEL	7.8	EC	1.46	lb ai/a	1.5	pt/a	PRE	A	99 a	99 a	99 a	99 a	99 a
3	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	3-4"W	B					
3	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B					
3	DESTINY MSO	100	SL	1	% v/v	1	% v/v	3-4"W	B					
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
4	PARALLEL	7.8	EC	1.46	lb ai/a	1.5	pt/a	PRE	A	99 a	99 a	99 a	99 a	99 a
4	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	3-4"W	B					
4	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B					
4	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
5	DUAL II MAG	7.64	EC	1.43	lb ai/a	1.5	pt/a	PRE	A	99 a	99 ab	98 ab	96 b	96 b
5	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	B					
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
6	DUAL II MAG	7.64	EC	1.43	lb ai/a	1.5	pt/a	PRE	A	99 a	99 a	99 a	99 a	99 a
6	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	3-4"W	B					
6	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B					
6	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
7	DUAL II MAG	7.64	EC	1.43	lb ai/a	1.5	pt/a	PRE	A	99 a	99 a	99 a	99 a	99 a
7	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	3-4"W	B					
7	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B					
7	DESTINY MSO	100	SL	1	% v/v	1	% v/v	3-4"W	B					
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
8	DUAL II MAG	7.64	EC	1.43	lb ai/a	1.5	pt/a	PRE	A	99 a	99 a	99 a	99 a	99 a
8	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	3-4"W	B					
8	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B					
8	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
9	PARALLEL PLUS	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a	99 a	99 a	99 a
9	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	B					
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
10	PARALLEL PLUS	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a	99 a	99 a	99 a
10	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	3-4"W	B					
10	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
11	PARALLEL PLUS	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a	99 a	99 a	99 a
11	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	3-4"W	B					
11	DESTINY MSO	100	SL	1	% v/v	1	% v/v	3-4"W	B					
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
12	PARALLEL PLUS	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a	99 a	99 a	99 a
12	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	3-4"W	B					
12	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
13	BICEP II MAG	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a	98 a	98 a	98 a
13	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	B					
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
14	BICEP II MAG	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a	99 a	99 a	99 a
14	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	3-4"W	B					
14	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					

Parallel and Parallel Plus in Glyphosate-Resistant Corn.

Trial ID: 08-1-MW80 Location: Belleville Res. Center

Pest Code		AMATA AMATA AMATA AMATA AMATA												
Crop Code														
Rating Date		06-29-08	07-18-08	08-01-08	08-15-08	08-29-08								
Rating Data Type		Control	Control	Control	Control	Control								
Rating Unit		Percent	Percent	Percent	Percent	Percent								
Rating Timing		0 DA-C	14 DA-C	14 DA-C	28 DA-C	42 DA-C								
Trt-Eval Interval		14 DA-A	14 DA-B	28 DA-B	42 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					
15	BICEP II MAG	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a	99 a	99 a	99 a
15	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	3-4"W	B					
15	DESTINY MSO	100	SL	1	% v/v	1	% v/v	3-4"W	B					
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
16	BICEP II MAG	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a	99 a	99 a	99 a
16	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	3-4"W	B					
16	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B					
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
17	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	B		83 c	94 b	99 a	99 a
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B					
17	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"RG	C					
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"RG	C					
18	NONTREATED									0 b	0 d	0 c	0 c	0 c
LSD (P=.05)										0.0	1.3	3.6	1.3	1.4
Replicate F										0.000	1.483	0.315	1.011	1.095
Replicate Prob(F)										1.0000	0.2301	0.8141	0.3953	0.3596
Treatment F										0.000	2698.909	331.632	2524.426	2333.788
Treatment Prob(F)										1.0000	0.0001	0.0001	0.0001	0.0001

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

Parallel and Parallel Plus in Glyphosate-Resistant Corn.

Trial ID: 08-1-MW80

Location: Belleville Res. Center

Pest Code	PANDI	PANDI	PANDI	PANDI
Crop Code				
Rating Date	07-18-08	08-01-08	08-15-08	08-29-08
Rating Data Type	Control	Control	Control	Control
Rating Unit	0 DA-C	14 DA-C	28 DA-C	42 DA-C
Rating Timing				
Trt-Eval Interval	14 DA-B	28 DA-B	42 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	PARALLEL	7.8	EC	1.46	lb ai/a	1.5	pt/a	PRE	A	98 a	96 abc	95 ab	95 abc
1	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	B				
1	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B				
2	PARALLEL	7.8	EC	1.46	lb ai/a	1.5	pt/a	PRE	A	91 bc	86 efg	85 fg	83 f
2	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	3-4"W	B				
2	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B				
2	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B				
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B				
3	PARALLEL	7.8	EC	1.46	lb ai/a	1.5	pt/a	PRE	A	98 a	98 ab	97 a	97 ab
3	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	3-4"W	B				
3	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B				
3	DESTINY MSO	100	SL	1	% v/v	1	% v/v	3-4"W	B				
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B				
4	PARALLEL	7.8	EC	1.46	lb ai/a	1.5	pt/a	PRE	A	91 bc	85 fg	84 fg	84 ef
4	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	3-4"W	B				
4	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B				
4	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B				
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B				
5	DUAL II MAG	7.64	EC	1.43	lb ai/a	1.5	pt/a	PRE	A	99 a	98 ab	95 abc	92 bcd
5	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	B				
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B				
6	DUAL II MAG	7.64	EC	1.43	lb ai/a	1.5	pt/a	PRE	A	93 b	90 de	90 cde	90 d
6	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	3-4"W	B				
6	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B				
6	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B				
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B				
7	DUAL II MAG	7.64	EC	1.43	lb ai/a	1.5	pt/a	PRE	A	98 a	97 ab	97 ab	97 ab
7	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	3-4"W	B				
7	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B				
7	DESTINY MSO	100	SL	1	% v/v	1	% v/v	3-4"W	B				
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B				
8	DUAL II MAG	7.64	EC	1.43	lb ai/a	1.5	pt/a	PRE	A	94 b	90 def	90 de	90 d
8	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	3-4"W	B				
8	AATREX	4	SC	1	lb ai/a	2	pt/a	3-4"W	B				
8	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B				
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B				
9	PARALLEL PLUS	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	99 a	97 abc	96 ab	96 ab
9	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	B				
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B				
10	PARALLEL PLUS	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	86 d	84 g	81 g	81 f
10	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	3-4"W	B				
10	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B				
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B				
11	PARALLEL PLUS	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	99 a	98 a	98 a	98 a
11	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	3-4"W	B				
11	DESTINY MSO	100	SL	1	% v/v	1	% v/v	3-4"W	B				
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B				
12	PARALLEL PLUS	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	88 cd	87 efg	87 ef	89 de
12	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	3-4"W	B				
12	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B				
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B				
13	BICEP II MAG	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	99 a	96 abc	96 ab	96 ab
13	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	B				
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B				
14	BICEP II MAG	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	94 b	92 cd	90 cde	90 cd
14	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	3-4"W	B				
14	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B				
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B				

Parallel and Parallel Plus in Glyphosate-Resistant Corn.

Trial ID: 08-1-MW80

Location: Belleville Res. Center

Pest Code	PANDI	PANDI	PANDI	PANDI
Crop Code				
Rating Date	07-18-08	08-01-08	08-15-08	08-29-08
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing	0 DA-C	14 DA-C	28 DA-C	42 DA-C
Trt-Eval Interval	14 DA-B	28 DA-B	42 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				
15	BICEP II MAG	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	99 a	97 abc	97 ab	97 ab
15	IMPACT	2.8	SC	0.0164	lb ai/a	0.75	fl oz/a	3-4"W	B				
15	DESTINY MSO	100	SL	1	% v/v	1	% v/v	3-4"W	B				
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B				
16	BICEP II MAG	5.5	SC	2.06	lb ai/a	1.5	qt/a	PRE	A	94 b	93 bcd	92 bcd	92 bcd
16	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	3-4"W	B				
16	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	3-4"W	B				
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B				
17	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	B	99 a	97 ab	97 a	97 a
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"W	B				
17	ROUNDUP W-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"RG	C				
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	3-4"RG	C				
18	NONTREATED									0 e	0 h	0 h	0 g
LSD (P=.05)										4.0	4.8	4.9	5.2
Replicate F										2.843	1.693	1.479	1.618
Replicate Prob(F)										0.0468	0.1801	0.2313	0.1967
Treatment F										262.886	172.185	164.723	147.134
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: MANA.
2. Ratings: CI/WC at 14 + 28 DA"A" (or prior to POST); CI/WC at 14, 28, 42, 56 and 84 DA"B".
3. DA-A = Days after the PRE application. DA-B = Days after the 3-4"W application. DA-C = Days after the 3-4"RG application.
4. 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.
5. Following the PRE application on June 15, rainfall was 0.29 inch 5 days later and 0.35 inch 12 days later.
6. Not possible to make the planned 84 DA"B" rating due to field conditions.
7. Not harvested.