

Syngenta Corn Herbicide Programs.

Trial ID: 10-51E-S130

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: 06-04-10

Objectives: Evaluate Syngenta corn herbicide programs compared with competitive treatments.

Crop 1: ZEAMD Dent corn Variety: DKC 61-69 Description: RR2 (VT3)
 Planting Method: SEEDED Planting Date: 06-04-10
 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: AMATA Amaranthus rudis Sauer waterhemp, common
 Pest 3 Type: W Code: AMBTR Ambrosia trifida L. ragweed, giant
 Pest 4 Type: W Code: IPOHE Ipomoea hederacea (L.) Jacq. morningglory, ivyleaf

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 27 FT Tillage Type: REDUCED-TILL
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year

1. GLXMA 2009

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

% OM: 1.7 Texture: SILT LOAM
 pH: 6.6 Soil Name: PIERRON
 CEC: 10 Fert. Level: P1: 75 LB/A, K: 347 LB/A

Application Description

	A	B	C
Application Date:	06-05-10	06-16-10	06-25-10
Time of Day:	13:00	15:00	8:30
Application Method:	Spray	Spray	Spray
Application Timing:	PRE	V3	V6
Application Placement:	BROSIO	BROFOL	BROFOL
Applied By:	DKP	JR	JR
Air Temperature, Unit:	84 F	86 F	76 F
% Relative Humidity:	92	48	92
Wind Velocity, Unit:	4 MPH	0 MPH	0 MPH
Wind Direction:	S		
Dew Presence (Y/N):	N	N	N
Soil Moisture:	NORMAL	ABONOR	NORMAL
% Cloud Cover:	90	0	0

	A	B	C
Crop stage at application:	NA	V3	V6
Height Min, Max (inch):		6 7	16 18

Pest Stage At Each Application

	A	B	C
Application Date:	06-05-10	06-16-10	06-25-10
Weed Code:	SETFA	SETFA	SETFA
Stage Majority (leaves):	NA	2	4
Stage Min, Max:		1 2	4 6
Height Majority:		2 IN	4 IN
Height Min, Max:		0.5 2	4 6
Density, Unit:		0.01 FT2	0.01 FT2
Weed Code:	AMATA	AMATA	AMATA
Stage Majority (leaves):	NA	4	7
Stage Min, Max:		4 6	7 8
Height Majority:		0.5 IN	5 IN
Height Min, Max:		0 1	4 6
Density, Unit:		0.01 FT2	0.01 FT2
Weed Code:	AMBTR	AMBTR	AMBTR
Stage Majority (leaves):	NA	4	7
Stage Min, Max:		4 5	6 8
Height Majority:		2 IN	5 IN
Height Min, Max:		1 2	4 8
Density, Unit:		0.01 FT2	0.01 FT2
Weed Code:	IPOHE	IPOHE	IPOHE
Stage Majority (leaves):	NA	4	6
Stage Min, Max:		2 4	5 7
Height Majority:		2 IN	3 IN
Height Min, Max:		1 3	3 4
Density, Unit:		0.1 FT2	0.1 FT2

Application Equipment

	A	B	C
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

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

ZEAMD ZEAMD ZEAMD ZEAMD
09-30-10 10-18-10 10-18-10 10-18-10
Senescence Moisture Test wt. Yield
1-10 Percent lb/bu bu/A

EOS

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									10.0 a	12.2 d	62.2 a	98 e
2	LUMAX	3.95	SE	2.47	lb ai/a	2.5	qt/a	PRE	A	10.0 a	12.5 abc	62.0 abc	154 bc
2	AATREX	4	SC	1	lb ai/a	1	qt/a	PRE	A				
3	LEXAR	3.7	SC	2.78	lb ai/a	3	qt/a	PRE	A	10.0 a	12.5 abc	62.1 ab	165 abc
3	PRINCEP	4	SC	1	lb ai/a	1	qt/a	PRE	A				
4	LEXAR	3.7	SC	1.39	lb ai/a	1.5	qt/a	PRE	A	10.0 a	12.6 abc	62.0 abc	159 abc
4	LEXAR	3.7	SC	1.39	lb ai/a	1.5	qt/a	V3	B				
5	LEXAR	3.7	SC	2.08	lb ai/a	2.25	qt/a	PRE	A	10.0 a	12.6 abc	61.9 bc	161 abc
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C				
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V6	C				
6	BICEP II MAGNUM	5.5	SC	1.79	lb ai/a	1.3	qt/a	PRE	A	10.0 a	12.5 abc	62.0 abc	183 a
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C				
6	HALEX GT	4.38	CS	1.97	lb ai/a	3.6	pt/a	V6	C				
6	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V6	C				
7	LEXAR	3.7	SC	1.39	lb ai/a	1.5	qt/a	PRE	A	10.0 a	12.5 abc	62.0 abc	167 abc
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C				
7	HALEX GT	4.38	CS	1.97	lb ai/a	3.6	pt/a	V6	C				
7	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V6	C				
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B	10.0 a	12.6 abc	61.9 bc	162 abc
8	HALEX GT	4.38	CS	1.97	lb ai/a	3.6	pt/a	V3	B				
8	AATREX	4	SC	0.5	lb ai/a	1	pt/a	V3	B				
8	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V3	B				
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B	10.0 a	12.6 abc	61.9 bc	167 abc
9	TOUCHDOWN TOTAL	4.17	SL	0.98	lb ae/a	30	fl oz/a	V3	B				
9	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	V3	B				
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B	10.0 a	12.6 abc	62.0 abc	174 ab
10	TOUCHDOWN TOTAL	4.17	SL	0.98	lb ae/a	30	fl oz/a	V3	B				
10	CALLISTO XTRA	3.7	SC	0.694	lb ai/a	1.5	pt/a	V3	B				
11	INTEGRITY	5.57	EC	0.566	lb ai/a	13	fl oz/a	PRE	A	10.0 a	12.7 a	61.8 c	149 bcd
11	GUARDSMAN MAX	5	SE	0.94	lb ai/a	1.5	pt/a	PRE	A				
12	PREQUEL	45	WG			1.66	oz/a	PRE	A	10.0 a	12.4 bcd	62.1 ab	153 bc
12	RESOLVE SG	25	SG	0.0156	lb ai/a			PRE	A				
12	ISOXAFLOTOLE	75	WG	0.0313	lb ai/a			PRE	A				
12	CINCH ATZ	5.5	SC	1.37	lb ai/a	1	qt/a	PRE	A				
13	CORVUS	2.62	SC	0.0676	lb ai/a	3.3	fl oz/a	PRE	A	10.0 a	12.7 abc	61.9 bc	162 abc
13	AATREX	4	SC	1	lb ai/a	1	qt/a	PRE	A				
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C				
13	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V6	C				
14	INTEGRITY	5.57	EC	0.566	lb ai/a	13	fl oz/a	PRE	A	10.0 a	12.4 cd	62.1 ab	152 bcd
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C				
14	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V6	C				
15	SURESTART	4.25	SE	0.93	lb ai/a	1.75	pt/a	PRE	A	10.0 a	12.5 abc	62.0 abc	158 abc
15	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C				
15	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	V6	C				
16	GUARDSMAN MAX	5	SE	1.56	lb ai/a	2.5	pt/a	PRE	A	10.0 a	12.5 a-d	62.0 abc	164 abc
16	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C				
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V6	C				
16	STATUS	56	WG	0.0875	lb ae/a	2.5	oz/a	V6	C				
17	CORVUS	2.62	SC	0.0676	lb ai/a	3.3	fl oz/a	PRE	A	10.0 a	12.5 abc	62.1 ab	146 cd
17	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C				
17	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V6	C				
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V6	C				

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Pest Code

Crop Code

Rating Date

Rating Data Type

Rating Unit

Rating Timing

Trt-Eval Interval

ZEAMD	ZEAMD	ZEAMD	ZEAMD
09-30-10	10-18-10	10-18-10	10-18-10
Senescence	Moisture	Test wt.	Yield
1-10	Percent	lb/bu	bu/A

EOS

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
18	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B	10.0	a	12.5	abc
18	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V3	B	62.0	abc	142	cd
18	LAUDIS	3.5	SC	0.0547	lb ai/a	2	fl oz/a	V3	B				
18	AATREX	4	SC	0.5	lb ai/a	1	pt/a	V3	B				
19	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B	10.0	a	12.5	abc
19	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	V3	B	62.0	abc	152	bcd
19	SURESTART	4.25	SE	0.93	lb ai/a	1.75	pt/a	V3	B				
20	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B	10.0	a	12.5	abc
20	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V3	B	62.0	abc	150	bcd
20	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V3	B				
20	AATREX	4	SC	0.5	lb ai/a	1	pt/a	V3	B				
21	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B	9.7	b	12.5	abc
21	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V3	B	62.0	abc	158	abc
22	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B	10.0	a	12.5	abc
22	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V3	B	62.0	abc	141	cd
22	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C				
22	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V6	C				
23	INTEGRITY	5.57	EC	0.87	lb ai/a	20	fl oz/a	PRE	A	10.0	a	12.7	ab
24	SHARPEN	2.85	SC	0.067	lb ai/a	3	fl oz/a	PRE	A	61.8	c	125	de
24	GUARDSMAN MAX	5	SE	2.5	lb ai/a	2	qt/a	PRE	A	10.0	a	12.5	abc
										62.0	abc	146	cd
LSD (P=.05)										0.19		0.27	
Replicate F										0.000		0.21	
Replicate Prob(F)										1.000		8.971	
Treatment F										0.3757		0.8838	
Treatment Prob(F)										1.000		1.0000	
										0.4839		0.888	
										0.2092		0.6114	
												3.143	
												0.0005	

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

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Pest Code										ZEAMD	ZEAMD	ZEAMD	ZEAMD	ZEAMD
Crop Code										06-14-10	06-16-10	06-25-10	07-23-10	09-30-10
Rating Date										Injury	Injury	Injury	Injury	Injury
Rating Data Type										Percent	Percent	Percent	Percent	Percent
Rating Unit										11 DA-A	11 DA-A	9 DA-B	37 DA-B	
Rating Timing										7 DAE	0 DA-B	0 DA-C	28 DA-C	
Trt-Eval Interval														EOS
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 a	0 c	0 a	0 a
2	LUMAX	3.95	SE	2.47	lb ai/a	2.5	qt/a	PRE	A	0 b	0 a	0 c	0 a	0 a
2	AATREX	4	SC	1	lb ai/a	1	qt/a	PRE	A					
3	LEXAR	3.7	SC	2.78	lb ai/a	3	qt/a	PRE	A	0 b	0 a	0 c	0 a	0 a
3	PRINCEP	4	SC	1	lb ai/a	1	qt/a	PRE	A					
4	LEXAR	3.7	SC	1.39	lb ai/a	1.5	qt/a	PRE	A	0 b	0 a	0 c	0 a	0 a
4	LEXAR	3.7	SC	1.39	lb ai/a	1.5	qt/a	V3	B					
5	LEXAR	3.7	SC	2.08	lb ai/a	2.25	qt/a	PRE	A	0 b	0 a	0 c	0 a	0 a
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C					
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V6	C					
6	BICEP II MAGNUM	5.5	SC	1.79	lb ai/a	1.3	qt/a	PRE	A	0 b	0 a	0 c	0 a	0 a
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C					
6	HALEX GT	4.38	CS	1.97	lb ai/a	3.6	pt/a	V6	C					
6	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V6	C					
7	LEXAR	3.7	SC	1.39	lb ai/a	1.5	qt/a	PRE	A	0 b	0 a	0 c	0 a	0 a
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C					
7	HALEX GT	4.38	CS	1.97	lb ai/a	3.6	pt/a	V6	C					
7	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V6	C					
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B			0 c	0 a	0 a
8	HALEX GT	4.38	CS	1.97	lb ai/a	3.6	pt/a	V3	B					
8	AATREX	4	SC	0.5	lb ai/a	1	pt/a	V3	B					
8	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V3	B					
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B			0 c	0 a	0 a
9	TOUCHDOWN TOTAL	4.17	SL	0.98	lb ae/a	30	fl oz/a	V3	B					
9	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	V3	B					
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B			0 c	0 a	0 a
10	TOUCHDOWN TOTAL	4.17	SL	0.98	lb ae/a	30	fl oz/a	V3	B					
10	CALLISTO XTRA	3.7	SC	0.694	lb ai/a	1.5	pt/a	V3	B					
11	INTEGRITY	5.57	EC	0.566	lb ai/a	13	fl oz/a	PRE	A	0 b	0 a	0 c	0 a	0 a
11	GUARDSMAN MAX	5	SE	0.94	lb ai/a	1.5	pt/a	PRE	A					
12	PREQUEL	45	WG			1.66	oz/a	PRE	A	0 b	0 a	0 c	0 a	0 a
12	RESOLVE SG	25	SG	0.0156	lb ai/a			PRE	A					
12	ISOXAFLUTOLE	75	WG	0.0313	lb ai/a			PRE	A					
12	CINCH ATZ	5.5	SC	1.37	lb ai/a	1	qt/a	PRE	A					
13	CORVUS	2.62	SC	0.0676	lb ai/a	3.3	fl oz/a	PRE	A	0 b	0 a	0 c	0 a	0 a
13	AATREX	4	SC	1	lb ai/a	1	qt/a	PRE	A					
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C					
13	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V6	C					
14	INTEGRITY	5.57	EC	0.566	lb ai/a	13	fl oz/a	PRE	A	0 b	0 a	0 c	0 a	0 a
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C					
14	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V6	C					
15	SURESTART	4.25	SE	0.93	lb ai/a	1.75	pt/a	PRE	A	0 b	0 a	0 c	0 a	0 a
15	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C					
15	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	V6	C					
16	GUARDSMAN MAX	5	SE	1.56	lb ai/a	2.5	pt/a	PRE	A	0 b	0 a	0 c	0 a	0 a
16	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C					
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V6	C					
16	STATUS	56	WG	0.0875	lb ae/a	2.5	oz/a	V6	C					
17	CORVUS	2.62	SC	0.0676	lb ai/a	3.3	fl oz/a	PRE	A	1 a	0 a	2 b	0 a	0 a
17	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C					
17	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V6	C					
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V6	C					

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Rating Date
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Rating Unit
Rating Timing
Trt-Eval Interval

ZEAMD ZEAMD ZEAMD ZEAMD ZEAMD
06-14-10 06-16-10 06-25-10 07-23-10 09-30-10
Injury Injury Injury Injury Injury
Percent Percent Percent Percent Percent
11 DA-A 9 DA-B 37 DA-B
7 DAE 0 DA-B 0 DA-C 28 DA-C EOS

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
18	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v		V3	B					
18	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		V3	B			0 c	0 a	0 a
18	LAUDIS	3.5	SC	0.0547 lb ai/a	2 fl oz/a		V3	B					
18	AATREX	4	SC	0.5 lb ai/a	1 pt/a		V3	B					
19	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v		V3	B			0 c	0 a	0 a
19	DURANGO	4	SL	0.75 lb ae/a	24 fl oz/a		V3	B					
19	SURESTART	4.25	SE	0.93 lb ai/a	1.75 pt/a		V3	B					
20	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v		V3	B			12 a	0 a	0 a
20	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		V3	B					
20	CAPRENO	3.45	SC	0.081 lb ai/a	3 fl oz/a		V3	B					
20	AATREX	4	SC	0.5 lb ai/a	1 pt/a		V3	B					
21	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v		V3	B			0 c	0 a	0 a
21	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		V3	B					
22	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v		V3	B			0 c	0 a	0 a
22	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		V3	B					
22	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v		V6	C					
22	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		V6	C					
23	INTEGRITY	5.57	EC	0.87 lb ai/a	20 fl oz/a		PRE	A	0 b	0 a	0 c	0 a	0 a
24	SHARPEN	2.85	SC	0.067 lb ai/a	3 fl oz/a		PRE	A	0 b	0 a	0 c	0 a	0 a
24	GUARDSMAN MAX	5	SE	2.5 lb ai/a	2 qt/a		PRE	A					
LSD (P=.05)									0.7	0.0	1.4	0.0	0.0
Replicate F									1.000	0.000	0.489	0.000	0.000
Replicate Prob(F)									0.3798	1.0000	0.6162	1.0000	1.0000
Treatment F									1.000	0.000	24.170	0.000	0.000
Treatment Prob(F)									0.4801	1.0000	0.0001	1.0000	1.0000

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

Syngenta Corn Herbicide Programs.

Trial ID: 10-51E-S130

Location: Belleville Res. Center

								SETFA	SETFA	SETFA	SETFA
Pest Code								06-16-10	06-25-10	07-23-10	09-30-10
Crop Code								Control	Control	Control	Control
Rating Date								Percent	Percent	Percent	Percent
Rating Data Type								11 DA-A	9 DA-B	37 DA-B	
Rating Unit								0 DA-B	0 DA-C	28 DA-C	
Rating Timing											
Trt-Eval Interval											EOS
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
2	LUMAX	3.95	SE	2.47	lb ai/a	2.5	qt/a	PRE	A	99 a	99 a
2	AATREX	4	SC	1	lb ai/a	1	qt/a	PRE	A	99 a	99 a
3	LEXAR	3.7	SC	2.78	lb ai/a	3	qt/a	PRE	A	99 a	99 a
3	PRINCEP	4	SC	1	lb ai/a	1	qt/a	PRE	A	99 a	99 a
4	LEXAR	3.7	SC	1.39	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a
4	LEXAR	3.7	SC	1.39	lb ai/a	1.5	qt/a	V3	B	99 a	99 a
5	LEXAR	3.7	SC	2.08	lb ai/a	2.25	qt/a	PRE	A	99 a	99 a
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V6	C	99 a	99 a
6	BICEP II MAGNUM	5.5	SC	1.79	lb ai/a	1.3	qt/a	PRE	A	98 b	98 ab
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
6	HALEX GT	4.38	CS	1.97	lb ai/a	3.6	pt/a	V6	C	99 a	99 a
6	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V6	C	99 a	99 a
7	LEXAR	3.7	SC	1.39	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
7	HALEX GT	4.38	CS	1.97	lb ai/a	3.6	pt/a	V6	C	99 a	99 a
7	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V6	C	99 a	99 a
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B	99 a	99 a
8	HALEX GT	4.38	CS	1.97	lb ai/a	3.6	pt/a	V3	B	99 a	99 a
8	AATREX	4	SC	0.5	lb ai/a	1	pt/a	V3	B	99 a	99 a
8	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V3	B	99 a	99 a
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B	99 a	99 a
9	TOUCHDOWN TOTAL	4.17	SL	0.98	lb ae/a	30	fl oz/a	V3	B	99 a	99 a
9	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	V3	B	99 a	99 a
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B	99 a	99 a
10	TOUCHDOWN TOTAL	4.17	SL	0.98	lb ae/a	30	fl oz/a	V3	B	99 a	99 a
10	CALLISTO XTRA	3.7	SC	0.694	lb ai/a	1.5	pt/a	V3	B	99 a	99 a
11	INTEGRITY	5.57	EC	0.566	lb ai/a	13	fl oz/a	PRE	A	99 a	99 a
11	GUARDSMAN MAX	5	SE	0.94	lb ai/a	1.5	pt/a	PRE	A	99 a	99 a
12	PREQUEL	45	WG			1.66	oz/a	PRE	A	99 a	98 b
12	RESOLVE SG	25	SG	0.0156	lb ai/a			PRE	A	98 b	99 a
12	ISOXAFLUTOLE	75	WG	0.0313	lb ai/a			PRE	A	99 a	99 a
12	CINCH ATZ	5.5	SC	1.37	lb ai/a	1	qt/a	PRE	A	99 a	99 a
13	CORVUS	2.62	SC	0.0676	lb ai/a	3.3	fl oz/a	PRE	A	99 a	99 a
13	AATREX	4	SC	1	lb ai/a	1	qt/a	PRE	A	99 a	99 a
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
13	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V6	C	99 a	99 a
14	INTEGRITY	5.57	EC	0.566	lb ai/a	13	fl oz/a	PRE	A	99 a	99 a
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
14	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V6	C	99 a	99 a
15	SURESTART	4.25	SE	0.93	lb ai/a	1.75	pt/a	PRE	A	99 a	99 a
15	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
15	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	V6	C	99 a	99 a
16	GUARDSMAN MAX	5	SE	1.56	lb ai/a	2.5	pt/a	PRE	A	99 a	99 a
16	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V6	C	99 a	99 a
16	STATUS	56	WG	0.0875	lb ae/a	2.5	oz/a	V6	C	99 a	99 a
17	CORVUS	2.62	SC	0.0676	lb ai/a	3.3	fl oz/a	PRE	A	99 a	99 a
17	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
17	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V6	C	99 a	99 a
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V6	C	99 a	99 a

Syngenta Corn Herbicide Programs.

Trial ID: 10-51E-S130

Location: Belleville Res. Center

Pest Code									SETFA	SETFA	SETFA	SETFA	
Crop Code									06-16-10	06-25-10	07-23-10	09-30-10	
Rating Date									Control	Control	Control	Control	
Rating Data Type									Percent	Percent	Percent	Percent	
Rating Unit									11 DA-A	9 DA-B	37 DA-B		
Rating Timing									0 DA-B	0 DA-C	28 DA-C		
Trt-Eval Interval												EOS	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
18	N-PAK AMS	100	SL	2.5 % v/v		2.5 % v/v		V3	B		99 a	99 a	
18	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a		22 fl oz/a		V3	B				
18	LAUDIS	3.5	SC	0.0547 lb ai/a		2 fl oz/a		V3	B				
18	AATREX	4	SC	0.5 lb ai/a		1 pt/a		V3	B				
19	N-PAK AMS	100	SL	2.5 % v/v		2.5 % v/v		V3	B		99 a	99 a	
19	DURANGO	4	SL	0.75 lb ae/a		24 fl oz/a		V3	B				
19	SURESTART	4.25	SE	0.93 lb ai/a		1.75 pt/a		V3	B				
20	N-PAK AMS	100	SL	2.5 % v/v		2.5 % v/v		V3	B		99 a	99 a	
20	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a		22 fl oz/a		V3	B				
20	CAPRENO	3.45	SC	0.081 lb ai/a		3 fl oz/a		V3	B				
20	AATREX	4	SC	0.5 lb ai/a		1 pt/a		V3	B				
21	N-PAK AMS	100	SL	2.5 % v/v		2.5 % v/v		V3	B		99 a	99 a	
21	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a		22 fl oz/a		V3	B				
22	N-PAK AMS	100	SL	2.5 % v/v		2.5 % v/v		V3	B		99 a	99 a	
22	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a		22 fl oz/a		V3	B				
22	N-PAK AMS	100	SL	2.5 % v/v		2.5 % v/v		V6	C				
22	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a		22 fl oz/a		V6	C				
23	INTEGRITY	5.57	EC	0.87 lb ai/a		20 fl oz/a		PRE	A		99 a	99 a	
24	SHARPEN	2.85	SC	0.067 lb ai/a		3 fl oz/a		PRE	A		99 a	99 a	
24	GUARDSMAN MAX	5	SE	2.5 lb ai/a		2 qt/a		PRE	A				
LSD (P=.05)										0.5	0.9	0.8	0.0
Replicate F										1.000	0.590	0.657	0.000
Replicate Prob(F)										0.3798	0.5586	0.5231	1.0000
Treatment F										22033.451	4328.392	4822.951	0.000
Treatment Prob(F)										0.0001	0.0001	0.0001	1.0000

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

Syngenta Corn Herbicide Programs.

Trial ID: 10-51E-S130

Location: Belleville Res. Center

								AMATA	AMATA	AMATA	AMATA
Pest Code								06-16-10	06-25-10	07-23-10	09-30-10
Crop Code								Control	Control	Control	Control
Rating Date								Percent	Percent	Percent	Percent
Rating Data Type								11 DA-A	9 DA-B	37 DA-B	
Rating Unit								0 DA-B	0 DA-C	28 DA-C	EOS
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 b	0 b
2	LUMAX	3.95	SE	2.47	lb ai/a	2.5	qt/a	PRE	A	99 a	99 a
2	AATREX	4	SC	1	lb ai/a	1	qt/a	PRE	A	99 a	99 a
3	LEXAR	3.7	SC	2.78	lb ai/a	3	qt/a	PRE	A	99 a	99 a
3	PRINCEP	4	SC	1	lb ai/a	1	qt/a	PRE	A	99 a	99 a
4	LEXAR	3.7	SC	1.39	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a
4	LEXAR	3.7	SC	1.39	lb ai/a	1.5	qt/a	V3	B	99 a	99 a
5	LEXAR	3.7	SC	2.08	lb ai/a	2.25	qt/a	PRE	A	99 a	99 a
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V6	C		
6	BICEP II MAGNUM	5.5	SC	1.79	lb ai/a	1.3	qt/a	PRE	A	99 a	99 a
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
6	HALEX GT	4.38	CS	1.97	lb ai/a	3.6	pt/a	V6	C		
6	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V6	C		
7	LEXAR	3.7	SC	1.39	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
7	HALEX GT	4.38	CS	1.97	lb ai/a	3.6	pt/a	V6	C		
7	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V6	C		
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B	99 a	99 a
8	HALEX GT	4.38	CS	1.97	lb ai/a	3.6	pt/a	V3	B		
8	AATREX	4	SC	0.5	lb ai/a	1	pt/a	V3	B		
8	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V3	B		
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B	99 a	99 a
9	TOUCHDOWN TOTAL	4.17	SL	0.98	lb ae/a	30	fl oz/a	V3	B		
9	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	V3	B		
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B	99 a	99 a
10	TOUCHDOWN TOTAL	4.17	SL	0.98	lb ae/a	30	fl oz/a	V3	B		
10	CALLISTO XTRA	3.7	SC	0.694	lb ai/a	1.5	pt/a	V3	B		
11	INTEGRITY	5.57	EC	0.566	lb ai/a	13	fl oz/a	PRE	A	99 a	99 a
11	GUARDSMAN MAX	5	SE	0.94	lb ai/a	1.5	pt/a	PRE	A	99 a	99 a
12	PREQUEL	45	WG			1.66	oz/a	PRE	A	99 a	99 a
12	RESOLVE SG	25	SG	0.0156	lb ai/a			PRE	A	99 a	99 a
12	ISOXAFLOTOLE	75	WG	0.0313	lb ai/a			PRE	A	99 a	99 a
12	CINCH ATZ	5.5	SC	1.37	lb ai/a	1	qt/a	PRE	A	99 a	99 a
13	CORVUS	2.62	SC	0.0676	lb ai/a	3.3	fl oz/a	PRE	A	99 a	99 a
13	AATREX	4	SC	1	lb ai/a	1	qt/a	PRE	A	99 a	99 a
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
13	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V6	C		
14	INTEGRITY	5.57	EC	0.566	lb ai/a	13	fl oz/a	PRE	A	99 a	99 a
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
14	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V6	C		
15	SURESTART	4.25	SE	0.93	lb ai/a	1.75	pt/a	PRE	A	99 a	99 a
15	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
15	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	V6	C		
16	GUARDSMAN MAX	5	SE	1.56	lb ai/a	2.5	pt/a	PRE	A	99 a	99 a
16	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V6	C		
16	STATUS	56	WG	0.0875	lb ae/a	2.5	oz/a	V6	C		
17	CORVUS	2.62	SC	0.0676	lb ai/a	3.3	fl oz/a	PRE	A	99 a	99 a
17	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
17	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V6	C		
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V6	C		

Syngenta Corn Herbicide Programs.

Trial ID: 10-51E-S130

Location: Belleville Res. Center

Pest Code		AMATA		AMATA		AMATA		AMATA	
Crop Code		06-16-10		06-25-10		07-23-10		09-30-10	
Rating Date		Control		Control		Control		Control	
Rating Data Type		Percent		Percent		Percent		Percent	
Rating Unit		11 DA-A		9 DA-B		37 DA-B			
Rating Timing		0 DA-B		0 DA-C		28 DA-C		EOS	
Trt-Eval Interval									
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	
18	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v		V3	B	
18	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		V3	B	99 a
18	LAUDIS	3.5	SC	0.0547 lb ai/a	2 fl oz/a		V3	B	99 a
18	AATREX	4	SC	0.5 lb ai/a	1 pt/a		V3	B	99 a
19	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v		V3	B	
19	DURANGO	4	SL	0.75 lb ae/a	24 fl oz/a		V3	B	99 a
19	SURESTART	4.25	SE	0.93 lb ai/a	1.75 pt/a		V3	B	99 a
20	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v		V3	B	
20	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		V3	B	99 a
20	CAPRENO	3.45	SC	0.081 lb ai/a	3 fl oz/a		V3	B	99 a
20	AATREX	4	SC	0.5 lb ai/a	1 pt/a		V3	B	99 a
21	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v		V3	B	
21	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		V3	B	99 a
22	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v		V3	B	
22	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		V3	B	99 a
22	N-PAK AMS	100	SL	2.5 % v/v	2.5 % v/v		V6	C	99 a
22	ROUNDUP POWERMAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		V6	C	99 a
23	INTEGRITY	5.57	EC	0.87 lb ai/a	20 fl oz/a		PRE	A	99 a
24	SHARPEN	2.85	SC	0.067 lb ai/a	3 fl oz/a		PRE	A	99 a
24	GUARDSMAN MAX	5	SE	2.5 lb ai/a	2 qt/a		PRE	A	99 a
LSD (P=.05)									0.0
Replicate F									0.000
Replicate Prob(F)									1.0000
Treatment F									0.000
Treatment Prob(F)									1.0000

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

Syngenta Corn Herbicide Programs.

Trial ID: 10-51E-S130

Location: Belleville Res. Center

								AMBTR	AMBTR	AMBTR	AMBTR
Pest Code								06-16-10	06-25-10	07-23-10	09-30-10
Crop Code								Control	Control	Control	Control
Rating Date								Percent	Percent	Percent	Percent
Rating Data Type								11 DA-A	9 DA-B	37 DA-B	
Rating Unit								0 DA-B	0 DA-C	28 DA-C	EOS
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 e	0 e
2	LUMAX	3.95	SE	2.47	lb ai/a	2.5	qt/a	PRE	A	99 a	99 a
2	AATREX	4	SC	1	lb ai/a	1	qt/a	PRE	A	99 a	99 a
3	LEXAR	3.7	SC	2.78	lb ai/a	3	qt/a	PRE	A	98 ab	99 a
3	PRINCEP	4	SC	1	lb ai/a	1	qt/a	PRE	A	99 a	99 a
4	LEXAR	3.7	SC	1.39	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a
4	LEXAR	3.7	SC	1.39	lb ai/a	1.5	qt/a	V3	B	99 a	99 a
5	LEXAR	3.7	SC	2.08	lb ai/a	2.25	qt/a	PRE	A	95 ab	99 a
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V6	C		
6	BICEP II MAGNUM	5.5	SC	1.79	lb ai/a	1.3	qt/a	PRE	A	88 b	96 ab
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
6	HALEX GT	4.38	CS	1.97	lb ai/a	3.6	pt/a	V6	C		
6	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V6	C		
7	LEXAR	3.7	SC	1.39	lb ai/a	1.5	qt/a	PRE	A	96 ab	96 ab
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
7	HALEX GT	4.38	CS	1.97	lb ai/a	3.6	pt/a	V6	C		
7	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V6	C		
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B	99 a	98 ab
8	HALEX GT	4.38	CS	1.97	lb ai/a	3.6	pt/a	V3	B		
8	AATREX	4	SC	0.5	lb ai/a	1	pt/a	V3	B		
8	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V3	B		
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B	98 a	99 a
9	TOUCHDOWN TOTAL	4.17	SL	0.98	lb ae/a	30	fl oz/a	V3	B	99 a	99 a
9	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	V3	B		
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B	99 a	99 a
10	TOUCHDOWN TOTAL	4.17	SL	0.98	lb ae/a	30	fl oz/a	V3	B		
10	CALLISTO XTRA	3.7	SC	0.694	lb ai/a	1.5	pt/a	V3	B		
11	INTEGRITY	5.57	EC	0.566	lb ai/a	13	fl oz/a	PRE	A	90 ab	88 abc
11	GUARDSMAN MAX	5	SE	0.94	lb ai/a	1.5	pt/a	PRE	A	97 ab	99 a
12	PREQUEL	45	WG			1.66	oz/a	PRE	A	75 c	85 bc
12	RESOLVE SG	25	SG	0.0156	lb ai/a			PRE	A	88 c	96 b
12	ISOXAFLUTOLE	75	WG	0.0313	lb ai/a			PRE	A		
12	CINCH ATZ	5.5	SC	1.37	lb ai/a	1	qt/a	PRE	A		
13	CORVUS	2.62	SC	0.0676	lb ai/a	3.3	fl oz/a	PRE	A	95 ab	96 ab
13	AATREX	4	SC	1	lb ai/a	1	qt/a	PRE	A	99 a	99 a
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C		
13	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V6	C		
14	INTEGRITY	5.57	EC	0.566	lb ai/a	13	fl oz/a	PRE	A	77 c	81 c
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
14	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V6	C		
15	SURESTART	4.25	SE	0.93	lb ai/a	1.75	pt/a	PRE	A	90 ab	90 abc
15	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
15	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	V6	C		
16	GUARDSMAN MAX	5	SE	1.56	lb ai/a	2.5	pt/a	PRE	A	95 ab	98 a
16	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	99 a
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V6	C		
16	STATUS	56	WG	0.0875	lb ae/a	2.5	oz/a	V6	C		
17	CORVUS	2.62	SC	0.0676	lb ai/a	3.3	fl oz/a	PRE	A	63 d	65 d
17	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	99 a	98 a
17	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V6	C		
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V6	C		

Syngenta Corn Herbicide Programs.

Trial ID: 10-51E-S130

Location: Belleville Res. Center

Pest Code										AMBTR	AMBTR	AMBTR	AMBTR
Crop Code										06-16-10	06-25-10	07-23-10	09-30-10
Rating Date										Control	Control	Control	Control
Rating Data Type										Percent	Percent	Percent	Percent
Rating Unit										11 DA-A	9 DA-B	37 DA-B	
Rating Timing										0 DA-B	0 DA-C	28 DA-C	EOS
Trt-Eval Interval													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
18	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B		99 a	99 a	99 a
18	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V3	B				
18	LAUDIS	3.5	SC	0.0547	lb ai/a	2	fl oz/a	V3	B				
18	AATREX	4	SC	0.5	lb ai/a	1	pt/a	V3	B				
19	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B		98 a	99 a	99 a
19	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	V3	B				
19	SURESTART	4.25	SE	0.93	lb ai/a	1.75	pt/a	V3	B				
20	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B		99 a	99 a	99 a
20	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V3	B				
20	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V3	B				
20	AATREX	4	SC	0.5	lb ai/a	1	pt/a	V3	B				
21	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B		94 ab	90 c	99 a
21	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V3	B				
22	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B		97 ab	99 a	99 a
22	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V3	B				
22	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C				
22	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V6	C				
23	INTEGRITY	5.57	EC	0.87	lb ai/a	20	fl oz/a	PRE	A	95 ab	88 abc	91 bc	97 ab
24	SHARPEN	2.85	SC	0.067	lb ai/a	3	fl oz/a	PRE	A	99 a	99 a	99 a	99 a
24	GUARDSMAN MAX	5	SE	2.5	lb ai/a	2	qt/a	PRE	A				
LSD (P=.05)										10.6	12.2	7.3	2.1
Replicate F										0.725	0.301	1.955	0.179
Replicate Prob(F)										0.4927	0.7416	0.1532	0.8363
Treatment F										45.603	23.723	61.980	750.346
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001

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

Syngenta Corn Herbicide Programs.

Trial ID: 10-51E-S130

Location: Belleville Res. Center

								IPOHE	IPOHE	IPOHE	IPOHE
Pest Code								06-16-10	06-25-10	07-23-10	09-30-10
Crop Code								Control	Control	Control	Control
Rating Date								Percent	Percent	Percent	Percent
Rating Data Type								11 DA-A	9 DA-B	37 DA-B	
Rating Unit								0 DA-B	0 DA-C	28 DA-C	EOS
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 f	0 i
2	LUMAX	3.95	SE	2.47	lb ai/a	2.5	qt/a	PRE	A	97 a	98 a
2	AATREX	4	SC	1	lb ai/a	1	qt/a	PRE	A	98 a	99 a
3	LEXAR	3.7	SC	2.78	lb ai/a	3	qt/a	PRE	A	96 a	98 a
3	PRINCEP	4	SC	1	lb ai/a	1	qt/a	PRE	A	99 a	99 a
4	LEXAR	3.7	SC	1.39	lb ai/a	1.5	qt/a	PRE	A	97 a	98 a
4	LEXAR	3.7	SC	1.39	lb ai/a	1.5	qt/a	V3	B	97 ab	99 a
5	LEXAR	3.7	SC	2.08	lb ai/a	2.25	qt/a	PRE	A	91 ab	94 ab
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	96 abc	99 a
5	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V6	C		
6	BICEP II MAGNUM	5.5	SC	1.79	lb ai/a	1.3	qt/a	PRE	A	74 c	77 de
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	94 a-d	99 a
6	HALEX GT	4.38	CS	1.97	lb ai/a	3.6	pt/a	V6	C		
6	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V6	C		
7	LEXAR	3.7	SC	1.39	lb ai/a	1.5	qt/a	PRE	A	87 b	87 bc
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	97 ab	99 a
7	HALEX GT	4.38	CS	1.97	lb ai/a	3.6	pt/a	V6	C		
7	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V6	C		
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B	98 a	98 a
8	HALEX GT	4.38	CS	1.97	lb ai/a	3.6	pt/a	V3	B		
8	AATREX	4	SC	0.5	lb ai/a	1	pt/a	V3	B		
8	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	V3	B		
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B	96 a	98 a
9	TOUCHDOWN TOTAL	4.17	SL	0.98	lb ae/a	30	fl oz/a	V3	B		
9	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	V3	B		
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V3	B	98 a	98 a
10	TOUCHDOWN TOTAL	4.17	SL	0.98	lb ae/a	30	fl oz/a	V3	B		
10	CALLISTO XTRA	3.7	SC	0.694	lb ai/a	1.5	pt/a	V3	B		
11	INTEGRITY	5.57	EC	0.566	lb ai/a	13	fl oz/a	PRE	A	78 c	80 cd
11	GUARDSMAN MAX	5	SE	0.94	lb ai/a	1.5	pt/a	PRE	A	92 cd	99 a
12	PREQUEL	45	WG			1.66	oz/a	PRE	A	75 c	75 de
12	RESOLVE SG	25	SG	0.0156	lb ai/a			PRE	A	82 e	94 b
12	ISOXAFLUTOLE	75	WG	0.0313	lb ai/a			PRE	A		
12	CINCH ATZ	5.5	SC	1.37	lb ai/a	1	qt/a	PRE	A		
13	CORVUS	2.62	SC	0.0676	lb ai/a	3.3	fl oz/a	PRE	A	91 ab	93 ab
13	AATREX	4	SC	1	lb ai/a	1	qt/a	PRE	A	98 a	
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C		
13	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V6	C		
14	INTEGRITY	5.57	EC	0.566	lb ai/a	13	fl oz/a	PRE	A	64 de	62 gh
14	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	96 abc	99 a
14	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	V6	C		
15	SURESTART	4.25	SE	0.93	lb ai/a	1.75	pt/a	PRE	A	57 e	55 h
15	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	95 a-d	99 a
15	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	V6	C		
16	GUARDSMAN MAX	5	SE	1.56	lb ai/a	2.5	pt/a	PRE	A	78 c	80 cd
16	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	98 a	
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V6	C		
16	STATUS	56	WG	0.0875	lb ae/a	2.5	oz/a	V6	C		
17	CORVUS	2.62	SC	0.0676	lb ai/a	3.3	fl oz/a	PRE	A	65 d	63 fg
17	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	V6	C	94 a-d	99 a
17	CAPRENO	3.45	SC	0.081	lb ai/a	3	fl oz/a	V6	C		
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	V6	C		

Location: Belleville Res. Center

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

Trial Comments

1. Protocol: Syngenta (SCCORN).
2. Ratings: CI 7 DAE; CI/WC at B and C application, 28 DA-C, and at harvest (EOS).
3. Yield.
4. Take photos at 0 and 21 DA-C.
5. ZEAMD Senescence, 1-10 = Corn senescence, 1 = corn was green, 10 = corn was completely senesced.
6. At the EOS rating on 9-30-10 there were a few newly emerged HORPU (little barley), but not enough to evaluate.
7. Harvested 10-18-10, (2) 30 inch rows by 24 ft.