

Dow Preplant and Preemergence Residual Corn Programs.

Trial ID: 11-11A-W55 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: 5-9-11

Objectives: Determine the residual control provided by preplant and at planting applications of Surestart in no-till corn.

Crop 1: ZEAMD Dent corn Variety: DKC 61-21 GENSS Description: RR2/LL
 Planting Method: SEEDED Planting Date: 6-5-11
 Rate, Unit: 28000 S/A Depth, Unit: 1.5 IN
 Row Spacing, Unit: 30 IN

Pest 1 Type: W Code: AMBTR Ambrosia trifida L. ragweed, giant
 Pest 2 Type: W Code: AMBEL Ambrosia artemisiifolia L. ragweed, common
 Pest 3 Type: W Code: PANDI Panicum dichotomiflorum Michx. panicum, fall
 Pest 4 Type: W Code: SETFA Setaria faberi Herrm. foxtail, giant
 Pest 5 Type: W Code: POLPY Polygonum pensylvanicum L. smartweed, Pennsylvania
 Pest 6 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 25 FT Tillage Type: NO-TILL
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year
 1. GLXMA 2010

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

% OM: 1.7 Texture: SILT LOAM
 pH: 7 Soil Name: PIERRON
 CEC: 9 Fert. Level: P1: 84 LB/A, K: 270 LB/A

Application Description

	A	B	C
Application Date:	5-9-11	5-23-11	6-16-11
Time of Day:	8:00	18:00	18:30
Application Method:	Spray	Spray	Spray
Application Timing:	14DBP	PRE	4-6"W
Application Placement:	BROFOL	BROFOL	BROFOL
Applied By:	RFK	RFK	LAH
Air Temperature, Unit:	73 F	71 F	84 F
% Relative Humidity:	87	84	53
Wind Velocity, Unit:	3 MPH	0 MPH	0 MPH
Wind Direction:	S		
Dew Presence (Y/N):	N	N	N
Soil Temperature, Unit:	66 F	67 F	74 F
Soil Moisture:	ABONOR	ABONOR	ABONOR
% Cloud Cover:	0	0	10

9-5-11 23-5-11 16-6-11
 Crop stage at application: NA NA V2-V3
 Height Min, Max (inch): 4 6

Pest Stage At Each Application

	5-9-11	5-23-11	6-16-11
Application Date:	5-9-11	5-23-11	6-16-11
Weed Code:	AMBTR	AMBTR	AMBTR
Stage Majority (leaves):	6	NA	NA
Stage Min, Max:	5 6		
Height Majority:	5 IN		
Height Min, Max:	4 6		
Density, Unit:	1 FT2		
Weed Code:	AMBEL	AMBEL	AMBEL
Stage Majority (leaves):	NA	NA	NA
Weed Code:	PANDI	PANDI	PANDI
Stage Majority (leaves):	NA	NA	NA
Weed Code:	SETFA	SETFA	SETFA
Stage Majority (leaves):	2	NA	NA
Stage Min, Max:	1 3		
Height Majority:	1 IN		
Height Min, Max:	0 2		
Density, Unit:	0.01 FT2		
Weed Code:	POLPY	POLPY	POLPY
Stage Majority (leaves):	8	NA	NA
Stage Min, Max:	8 10+		
Height Majority:	3 IN		
Height Min, Max:	2 4		
Density, Unit:	0.1 FT2		
Weed Code:	AMATA	AMATA	AMATA
Stage Majority (leaves):	NA	NA	6
Stage Min, Max:			coty 12
Height Majority:			4 IN
Height Min, Max:			1 8
Density, Unit:			3 FT2

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Application Equipment

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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								ZEAMD			AMBTR				
								6-6-11	6-16-11	7-7-11	6-6-11	6-16-11	7-7-11		
								Injury	Injury	Injury	Control	Control	Control		
								Percent	Percent	Percent	Percent	Percent	Percent		
								28 DA-A	24 DA-B	21 DA-C	28 DA-A	24 DA-B	21 DA-C		
								14 DA-B	0 DA-C	14 DA-B	0 DA-C	14 DA-B	0 DA-C		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	SURESTART	4.25	SE	1.6	lb ai/a	3	pt/a	14DBP	A	0 a	0 a	0 a	97 bc	97 a	93 a
1	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	14DBP	A						
	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A						
1	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A						
1	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	C						
1	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C						
2	SURESTART	4.25	SE	1.6	lb ai/a	3	pt/a	14DBP	A	0 a	0 a	0 a	97 abc	96 ab	94 a
2	AATREX NINE-O	90	WG	1	lb ai/a	1.11	lb/a	14DBP	A						
2	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	14DBP	A						
2	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A						
2	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A						
2	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	C						
2	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C						
3	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	14DBP	A	0 a	0 a	0 a	96 c	97 ab	94 a
3	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A						
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A						
3	SURESTART	4.25	SE	0.93	lb ai/a	1.75	pt/a	PRE	B						
3	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	C						
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C						
4	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	14DBP	A	0 a	0 a	0 a	97 bc	94 b	95 a
4	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A						
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A						
4	SURESTART	4.25	SE	1.33	lb ai/a	2.5	pt/a	PRE	B						
4	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	C						
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C						
5	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	14DBP	A	0 a	0 a	0 a	98 ab	95 ab	97 a
5	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A						
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A						
5	SURESTART	4.25	SE	1.06	lb ai/a	2	pt/a	PRE	B						
5	AATREX NINE-O	90	WG	1	lb ai/a	1.11	lb/a	PRE	B						
5	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	C						
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C						
6	NONTREATED									0 a	0 a	0 a	0 d	0 c	0 b
7	LEXAR	3.7	SC	2.78	lb ai/a	3	qt/a	14DBP	A	0 a	0 a	0 a	98 a	94 b	92 a
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	14DBP	A						
7	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A						
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A						
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	C						
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C						
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	14DBP	A	0 a	0 a	0 a	97 abc	97 a	96 a
8	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A						
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A						
8	LEXAR	3.7	SC	1.85	lb ai/a	2	qt/a	PRE	B						
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	C						
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C						
LSD (P=.05)										0.0	0.0	0.0	1.3	2.9	5.9
Replicate F										0.000	0.000	0.000	0.724	1.169	1.454
Replicate Prob(F)										1.0000	1.0000	1.0000	0.5020	0.3392	0.2669
Treatment F										0.000	0.000	0.000	6835.311	1226.782	293.937
Treatment Prob(F)										1.0000	1.0000	1.0000	0.0001	0.0001	0.0001

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

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								AMBEL	AMBEL	AMBEL	PANDI	PANDI	PANDI		
								6-6-11	6-16-11	7-7-11	6-6-11	6-16-11	7-7-11		
								Control	Control	Control	Control	Control	Control		
								Percent	Percent	Percent	Percent	Percent	Percent		
								28 DA-A	24 DA-B	21 DA-C	28 DA-A	24 DA-B	21 DA-C		
								14 DA-B	0 DA-C	21 DA-C	14 DA-B	0 DA-C	21 DA-C		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	SURESTART	4.25	SE	1.6	lb ai/a	3	pt/a	14DBP	A	99 a	99 a	99 a	99 a	98 ab	96 a
1	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	14DBP	A						
	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A						
1	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A						
1	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	C						
1	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C						
2	SURESTART	4.25	SE	1.6	lb ai/a	3	pt/a	14DBP	A	99 a	99 a	99 a	99 a	98 ab	97 a
2	AATREX NINE-O	90	WG	1	lb ai/a	1.11	lb/a	14DBP	A						
2	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	14DBP	A						
2	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A						
2	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A						
2	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	C						
2	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C						
3	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	14DBP	A	99 a	99 a	99 a	99 a	94 bc	95 a
3	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A						
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A						
3	SURESTART	4.25	SE	0.93	lb ai/a	1.75	pt/a	PRE	B						
3	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	C						
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C						
4	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	14DBP	A	99 a	99 a	99 a	99 a	91 c	98 a
4	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A						
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A						
4	SURESTART	4.25	SE	1.33	lb ai/a	2.5	pt/a	PRE	B						
4	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	C						
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C						
5	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	14DBP	A	99 a	99 a	99 a	99 a	98 a	98 a
5	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A						
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A						
5	SURESTART	4.25	SE	1.06	lb ai/a	2	pt/a	PRE	B						
5	AATREX NINE-O	90	WG	1	lb ai/a	1.11	lb/a	PRE	B						
5	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	C						
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C						
6	NONTREATED									0 b	0 b	0 b	0 b	0 d	0 b
7	LEXAR	3.7	SC	2.78	lb ai/a	3	qt/a	14DBP	A	99 a	99 a	99 a	99 a	98 ab	96 a
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	14DBP	A						
7	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A						
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A						
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	C						
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C						
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	14DBP	A	99 a	99 a	99 a	99 a	98 ab	96 a
8	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A						
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A						
8	LEXAR	3.7	SC	1.85	lb ai/a	2	qt/a	PRE	B						
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	C						
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C						
LSD (P=.05)										0.0	0.0	0.5	0.4	4.2	3.2
Replicate F										0.000	0.000	7.000	1.000	4.950	5.444
Replicate Prob(F)										1.0000	1.0000	0.0078	0.3927	0.0237	0.0178
Treatment F										0.000	0.000	38443.941	88125.149	614.007	1070.016
Treatment Prob(F)										1.0000	1.0000	0.0001	0.0001	0.0001	0.0001

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

Dow Preplant and Preemergence Residual Corn Programs.

Trial ID: 11-11A-W55

Location: Belleville Res. Center

Pest Code	SETFA	SETFA	SETFA	POLPY	POLPY	POLPY															
Crop Code																					
Rating Date	6-6-11	6-16-11	7-7-11	6-6-11	6-16-11	7-7-11															
Rating Data Type	Control	Control	Control	Control	Control	Control															
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent															
Rating Timing	28 DA-A	24 DA-B	21 DA-C	28 DA-A	24 DA-B	21 DA-C															
Trt-Eval Interval	14 DA-B	0 DA-C		14 DA-B	0 DA-C																
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code												
1	SURESTART	4.25	SE	1.6	lb ai/a	3	pt/a	14DBP	A	97	c	96	a	98	a	99	a	99	a	99	a
1	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	14DBP	A												
1	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A												
1	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A												
1	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	C												
1	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C												
2	SURESTART	4.25	SE	1.6	lb ai/a	3	pt/a	14DBP	A	99	ab	95	a	98	a	99	a	99	a	99	a
2	AATREX NINE-O	90	WG	1	lb ai/a	1.11	lb/a	14DBP	A												
2	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	14DBP	A												
2	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A												
2	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A												
2	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	C												
2	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C												
3	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	14DBP	A	97	c	87	bc	99	a	99	a	99	a	99	a
3	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A												
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A												
3	SURESTART	4.25	SE	0.93	lb ai/a	1.75	pt/a	PRE	B												
3	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	C												
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C												
4	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	14DBP	A	97	bc	83	c	98	a	99	a	99	a	99	a
4	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A												
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A												
4	SURESTART	4.25	SE	1.33	lb ai/a	2.5	pt/a	PRE	B												
4	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	C												
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C												
5	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	14DBP	A	98	abc	90	b	99	a	99	a	99	a	99	a
5	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A												
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A												
5	SURESTART	4.25	SE	1.06	lb ai/a	2	pt/a	PRE	B												
5	AATREX NINE-O	90	WG	1	lb ai/a	1.11	lb/a	PRE	B												
5	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	C												
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C												
6	NONTREATED									0	d	0	d	0	b	0	b	0	b	0	b
7	LEXAR	3.7	SC	2.78	lb ai/a	3	qt/a	14DBP	A	99	a	88	b	99	a	99	a	99	a	99	a
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	14DBP	A												
7	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A												
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A												
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	C												
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C												
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	14DBP	A	98	abc	96	a	99	a	99	a	99	a	99	a
8	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A												
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A												
8	LEXAR	3.7	SC	1.85	lb ai/a	2	qt/a	PRE	B												
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	C												
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C												
LSD (P=.05)										1.4		3.5		1.0		0.0		0.0		0.5	
Replicate F										5.320		1.097		1.145		0.000		0.000		2.333	
Replicate Prob(F)										0.0191		0.3608		0.3462		1.0000		1.0000		0.1335	
Treatment F										6024.311		806.521		11131.274		0.000		0.000		51357.255	
Treatment Prob(F)										0.0001		0.0001		0.0001		1.0000		1.0000		0.0001	

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

Dow Preplant and Preemergence Residual Corn Programs.

Trial ID: 11-11A-W55

Location: Belleville Res. Center

Pest Code	AMATA	AMATA	AMATA
Crop Code			
Rating Date	6-6-11	6-16-11	7-7-11
Rating Data Type	Control	Control	Control
Rating Unit	Percent	Percent	Percent
Rating Timing	28 DA-A	24 DA-B	21 DA-C
Trt-Eval Interval	14 DA-B	0 DA-C	21 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	SURESTART	4.25	SE	1.6	lb ai/a	3	pt/a	14DBP	A	95	b	37 e 87 a
1	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	14DBP	A			
1	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A			
1	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A			
1	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	C			
1	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C			
2	SURESTART	4.25	SE	1.6	lb ai/a	3	pt/a	14DBP	A	99	a	77 bc 93 a
2	AATREX NINE-O	90	WG	1	lb ai/a	1.11	lb/a	14DBP	A			
2	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	14DBP	A			
2	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A			
2	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A			
2	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	C			
2	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C			
3	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	14DBP	A	98	ab	62 d 95 a
3	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A			
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A			
3	SURESTART	4.25	SE	0.93	lb ai/a	1.75	pt/a	PRE	B			
3	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	C			
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C			
4	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	14DBP	A	99	a	63 cd 95 a
4	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A			
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A			
4	SURESTART	4.25	SE	1.33	lb ai/a	2.5	pt/a	PRE	B			
4	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	C			
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C			
5	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	14DBP	A	99	a	87 ab 98 a
5	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A			
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A			
5	SURESTART	4.25	SE	1.06	lb ai/a	2	pt/a	PRE	B			
5	AATREX NINE-O	90	WG	1	lb ai/a	1.11	lb/a	PRE	B			
5	DURANGO DMA	4	SL	0.75	lb ae/a	24	fl oz/a	4-6"W	C			
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C			
6	NONTREATED									0	c	0 f 0 b
7	LEXAR	3.7	SC	2.78	lb ai/a	3	qt/a	14DBP	A	99	a	84 ab 95 a
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	14DBP	A			
7	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A			
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A			
7	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	C			
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C			
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	14DBP	A	99	a	96 a 95 a
8	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	14DBP	A			
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DBP	A			
8	LEXAR	3.7	SC	1.85	lb ai/a	2	qt/a	PRE	B			
8	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	C			
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	4-6"W	C			

LSD (P=.05)

3.1 14.0 13.1

Replicate F

1.295 1.337 1.685

Replicate Prob(F)

0.3071 0.2942 0.2210

Treatment F

1159.551 46.798 59.733

Treatment Prob(F)

0.0001 0.0001 0.0001

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

Trial Comments

1. Protocol: Dow, Syngenta.
2. Ratings: CI/WC at 14 and 28 DA-B (prior to POST), and 21 DA-C.
3. Postemergence application C timing should be delayed to 28 DAP, if possible.
4. Corn was planted 5-23-11, then replanted 6-5-11.