

Laudis Programs.

Project Code: 07-51W-MN80 Location: Belleville Research Center
Investigator: Bryan Young

Investigator: Bryan Young, Associate Professor, Southern Illinois University

City State Zip Country: Belleville IL 62221 USA
Trial Status: Final Updated: 1-23-08

Objective:

Compare Laudis based weed management strategies with commercial standards.

Weed Code	Common Name	Scientific Name
1. SETFA	foxtail, giant	Setaria faberi Herrm.
2. AMBTR	ragweed, giant	Ambrosia trifida L.
3. AMATA	waterhemp, common	Amaranthus rudis Sauer
4. ABUTH	velvetleaf	Abutilon theophrasti Medicus
5. CYPES	nutsedge, yellow	Cyperus esculentus L.

Crop 1: ZEAMX corn, field Variety: 33K44
Planting Method: Seeded Planting Date: 5-22-07
Rate: 28000 S/A Depth: 1.5 IN
Row Spacing: 30 IN

Plot Width, Unit: 10 FT Plot Length, Unit: 27 FT Reps: 3
Tillage Type: Reduced-Till Study Design: Randomized complete block
Previous Crop, Year: ZEAMX, 2006
Field Prep./Maintenance: N 150 LB/A, P2O5 0 LB/A, K2O 100 LB/A

Soil Name: Weir % OM: 2.1 pH: 6.8 CEC: 11
Texture: Silt loam Fert. Level: P1: 92 LB/A, K: 336 LB/A

APPLICATION DESCRIPTION

	A	B	C
Application Date:	5-23-07	6-9-07	6-12-07
Time of Day:	7:30	9:00	10:30
Application Method:	Spray	Spray	Spray
Application Timing:	PRE	2-4"W-1	2-4"W-2
Applic. Placement:	BROSIOI	BROFOL	BROFOL
Air Temp., Unit:	70 F	70 F	86 F
% Relative Humidity:	82	66	38
Wind Velocity, Unit:	1-2 MPH	0 MPH	0 MPH
Dew Presence (Y/N):	N	N	N
Soil Moisture:	NORMAL	NORMAL	NORMAL
% Cloud Cover:	80	0	0

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX NA	ZEAMX V4	ZEAMX V4
Height, Unit:	NA NA	10-12 IN	10-12 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code:		SETFA	SETFA
Stage(leaves):		2-4	2-4
Height(inches):		3-6	2-6
Density:		Medium	Medium
Weed 2 Code:		AMBTR	AMBTR
Stage(leaves):		4-10	4-12
Height(inches):		2-7	3-7
Density:		High	High
Weed 3 Code:		AMATA	AMATA
Stage(leaves):		3-6	4-6
Height(inches):		0-2	0-2
Density:		Low	Low
Weed 4 Code:		ABUTH	ABUTH
Stage(leaves):		3-5	3-6
Height(inches):		2-3	2-4
Density:		Medium	Medium
Weed 5 Code:		CYPES	CYPES
Stage(leaves):		2-5	3-10
Height(inches):		2-5	2-5
Density:		Medium	Medium

APPLICATION EQUIPMENT

	A	B	C
Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer
Operating Pressure:	40 PSI	40 PSI	40 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

NOTES:

Laudis Programs.

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Weed Code
 Crop Code
 Rating Data Type
 Rating Unit
 Rating Date
 Trt-Eval Interval

ZEAMX Moisture Percent 10-5-07	ZEAMX Yield bu/A 10-5-07	ZEAMX Injury Percent 0 DAPO	ZEAMX Injury Percent 7 DAPO	ZEAMX Injury Percent 28 DA-C	ZEAMX Injury Percent 56 DA-C
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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code						
1	NONTREATED									16.1 a	22 d	0 a	0 a	0 a	0 a
2	BALANCE PRO	4	SC	0.047	lb ai/a	1.5	fl oz/a	PRE	A	15.1 ab	189 abc	0 a	0 a	0 a	0 a
2	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-2	C						
2	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	2-4"W-2	C						
2	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-2	C						
2	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-2	C						
3	BALANCE PRO	4	SC	0.047	lb ai/a	1.5	fl oz/a	PRE	A	14.6 b	192 ab	0 a	0 a	0 a	0 a
3	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	PRE	A						
3	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-2	C						
3	DESTINY MSO	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-2	C						
3	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-2	C						
4	BICEP II MAGNUM	5.5	L	2.9	lb ai/a	2.1	qt/a	PRE	A	15.5 ab	192 ab	0 a	0 a	0 a	0 a
4	CALLISTO	4	SC	0.094	lb ai/a	3.0	fl oz/a	2-4"W-2	C						
4	AATREX	90	WG	0.5	lb ai/a	0.556	lb/a	2-4"W-2	C						
4	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-2	C						
4	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-2	C						
5	RESOLVE	25	WG	0.0156	lb ai/a	1.0	oz/a	PRE	A	14.9 ab	185 abc	0 a	0 a	0 a	0 a
5	BALANCE PRO	4	SC	0.0312	lb ai/a	1.0	fl oz/a	PRE	A						
5	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-2	C						
5	AATREX	90	WG	0.5	lb ai/a	0.556	lb/a	2-4"W-2	C						
5	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-2	C						
5	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-2	C						
6	LAUDIS	3.5	SC	0.0547	lb ai/a	2	fl oz/a	2-4"W-2	C	16.1 a	180 bc		0 a	0 a	0 a
6	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-4"W-2	C						
6	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-2	C						
7	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-4"W-2	C	15.5 ab	174 c		0 a	0 a	0 a
7	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	2-4"W-2	C						
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-2	C						
8	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-2	C	15.5 ab	183 abc		0 a	0 a	0 a
8	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W-2	C						
8	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-2	C						
9	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W-2	C	15.6 ab	186 abc		0 a	0 a	0 a
9	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	2-4"W-2	C						
9	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-2	C						
10	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-1	B	14.9 ab	194 ab		0 a	0 a	0 a
10	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	2-4"W-1	B						
10	ROUNDUP ORIG MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	2-4"W-1	B						
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-1	B						
11	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-1	B	15.7 ab	184 abc		0 a	0 a	0 a
11	ACCENT	75	WG	0.0155	lb ai/a	0.33	oz/a	2-4"W-1	B						
11	DESTINY MSO	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-1	B						
11	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-1	B						
12	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-1	B	14.9 ab	176 c		0 a	0 a	0 a
12	DESTINY MSO	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-1	B						
12	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-1	B						
13	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-1	B	15.2 ab	186 abc		0 a	0 a	0 a
13	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	2-4"W-1	B						
13	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-1	B						
13	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-1	B						
14	HALEX GT	4.38	SC	2.2	lb ai/a	4.0	pt/a	2-4"W-1	B	14.6 b	196 a		0 a	0 a	0 a
14	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	2-4"W-1	B						
14	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-1	B						
15	HARNESS XTRA	5.6	L	2.1	lb ai/a	1.5	qt/a	PRE	A	14.7 b	197 a	0 a	0 a	0 a	0 a
15	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W-2	C						
15	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-2	C						

LSD (P=.05)	1.34	15.5	0.0	0.0	0.0	0.0
Replicate F	0.536	0.922	0.000	0.000	0.000	0.000
Replicate Prob(F)	0.5909	0.4094	1.0000	1.0000	1.0000	1.0000
Treatment F	1.192	64.401	0.000	0.000	0.000	0.000
Treatment Prob(F)	0.3339	0.0001	1.0000	1.0000	1.0000	1.0000

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

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Weed Code	SETFA	SETFA	SETFA	SETFA	AMBTR	AMBTR	AMBTR	AMBTR
Crop Code	Control	Control	Control	Control	Control	Control	Control	Control
Rating Data Type	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit	0 DAPO	7 DAPO	28 DA-C	56 DA-C	0 DAPO	7 DAPO	28 DA-C	56 DA-C
Rating Date			7-10-07	8-7-07			7-10-07	8-7-07
Trt-Eval Interval								

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code								
1	NONTREATED									0 d	0 d	0 b	0 d	0 d	0 c	0 d	0 d
2	BALANCE PRO	4	SC	0.047	lb ai/a	1.5	fl oz/a	PRE	A	62 c	99 a	99 a	99 a	50 c	99 a	99 a	99 a
2	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-2	C								
2	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	2-4"W-2	C								
2	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-2	C								
2	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-2	C								
3	BALANCE PRO	4	SC	0.047	lb ai/a	1.5	fl oz/a	PRE	A	93 ab	99 a	99 a	99 a	87 a	99 a	98 ab	98 ab
3	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	PRE	A								
3	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-2	C								
3	DESTINY MSO	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-2	C								
3	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-2	C								
4	BICEP II MAGNUM	5.5	L	2.9	lb ai/a	2.1	qt/a	PRE	A	98 a	99 a	99 a	99 a	90 a	99 a	98 ab	99 a
4	CALLISTO	4	SC	0.094	lb ai/a	3.0	fl oz/a	2-4"W-2	C								
4	AATREX	90	WG	0.5	lb ai/a	0.556	lb/a	2-4"W-2	C								
4	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-2	C								
4	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-2	C								
5	RESOLVE	25	WG	0.0156	lb ai/a	1.0	oz/a	PRE	A	87 b	99 a	99 a	99 a	78 b	99 a	98 ab	96 abc
5	BALANCE PRO	4	SC	0.0312	lb ai/a	1.0	fl oz/a	PRE	A								
5	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-2	C								
5	AATREX	90	WG	0.5	lb ai/a	0.556	lb/a	2-4"W-2	C								
5	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-2	C								
5	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-2	C								
6	LAUDIS	3.5	SC	0.0547	lb ai/a	2	fl oz/a	2-4"W-2	C		99 a	99 a	99 a		99 a	95 bc	90 c
6	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-4"W-2	C								
6	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-2	C								
7	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-4"W-2	C		99 a	99 a	99 a		99 a	96 abc	93 abc
7	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	2-4"W-2	C								
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-2	C								
8	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-2	C		99 a	99 a	99 a		99 a	93 c	92 bc
8	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W-2	C								
8	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-2	C								
9	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W-2	C		99 a	99 a	99 a		99 a	96 abc	95 abc
9	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	2-4"W-2	C								
9	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-2	C								
10	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-1	B		99 a	99 a	98 ab		99 a	95 abc	95 abc
10	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	2-4"W-1	B								
10	ROUNDUP ORIG MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	2-4"W-1	B								
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-1	B								
11	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-1	B		88 c	99 a	93 c		93 b	93 c	96 abc
11	ACCENT	75	WG	0.0155	lb ai/a	0.33	oz/a	2-4"W-1	B								
11	DESTINY MSO	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-1	B								
11	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-1	B								
12	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-1	B		92 b	99 a	96 bc		95 b	96 abc	95 abc
12	DESTINY MSO	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-1	B								
12	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-1	B								
13	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-1	B		95 b	99 a	99 a		99 a	99 a	99 a
13	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	2-4"W-1	B								
13	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-1	B								
13	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-1	B								
14	HALEX GT	4.38	SC	2.2	lb ai/a	4.0	pt/a	2-4"W-1	B		99 a	99 a	99 a		99 a	95 abc	95 abc
14	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	2-4"W-1	B								
14	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-1	B								
15	HARNESS XTRA	5.6	L	2.1	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a	99 a	99 a	87 a	99 a	96 abc	95 abc
15	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W-2	C								
15	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-2	C								
LSD (P=.05)										10.5	2.9	0.0	2.7	6.3	2.3	4.0	6.1
Replicate F										1.212	0.479	0.000	1.305	1.055	0.938	2.597	0.817
Replicate Prob(F)										0.3379	0.6243	1.0000	0.2873	0.3839	0.4034	0.0923	0.4521
Treatment F										133.268	621.035	0.000	729.986	309.571	1011.643	321.873	138.732
Treatment Prob(F)										0.0001	0.0001	1.0000	0.0001	0.0001	0.0001	0.0001	0.0001

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

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Crop Code								
Rating Data Type	Control	Control	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date			7-10-07	8-7-07			7-10-07	8-7-07
Trt-Eval Interval	0 DAPO	7 DAPO	28 DA-C	56 DA-C	0 DAPO	7 DAPO	28 DA-C	56 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code								
1	NONTREATED									0 c	0 b	0 c	0 b	0 c	0 b	0 d	0 d
2	BALANCE PRO	4	SC	0.047	lb ai/a	1.5	fl oz/a	PRE	A	88 b	99 a	99 a	99 a	93 b	99 a	99 a	99 a
2	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-2	C								
2	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	2-4"W-2	C								
2	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-2	C								
2	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-2	C								
3	BALANCE PRO	4	SC	0.047	lb ai/a	1.5	fl oz/a	PRE	A	99 a	99 a	99 a	99 a	99 a	99 a	99 a	98 ab
3	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	PRE	A								
3	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-2	C								
3	DESTINY MSO	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-2	C								
3	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-2	C								
4	BICEP II MAGNUM	5.5	L	2.9	lb ai/a	2.1	qt/a	PRE	A	99 a	99 a	99 a	99 a	89 b	99 a	99 a	99 a
4	CALLISTO	4	SC	0.094	lb ai/a	3.0	fl oz/a	2-4"W-2	C								
4	AATREX	90	WG	0.5	lb ai/a	0.556	lb/a	2-4"W-2	C								
4	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-2	C								
4	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-2	C								
5	RESOLVE	25	WG	0.0156	lb ai/a	1.0	oz/a	PRE	A	99 a	99 a	99 a	99 a	99 a	99 a	98 ab	99 a
5	BALANCE PRO	4	SC	0.0312	lb ai/a	1.0	fl oz/a	PRE	A								
5	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-2	C								
5	AATREX	90	WG	0.5	lb ai/a	0.556	lb/a	2-4"W-2	C								
5	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-2	C								
5	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-2	C								
6	LAUDIS	3.5	SC	0.0547	lb ai/a	2	fl oz/a	2-4"W-2	C	99 a	98 b	99 a		99 a	93 c	96 abc	
6	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-4"W-2	C								
6	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-2	C								
7	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-4"W-2	C	99 a	99 a	99 a		99 a	97 ab	95 bc	
7	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	2-4"W-2	C								
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-2	C								
8	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-2	C	99 a	99 a	99 a		99 a	98 ab	99 a	
8	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W-2	C								
8	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-2	C								
9	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W-2	C	99 a	99 a	99 a		99 a	95 bc	98 ab	
9	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	2-4"W-2	C								
9	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-2	C								
10	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-1	B	99 a	99 a	99 a		99 a	98 a	99 a	
10	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	2-4"W-1	B								
10	ROUNDUP ORIG MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	2-4"W-1	B								
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-1	B								
11	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-1	B	99 a	99 a	99 a		99 a	96 ab	99 a	
11	ACCENT	75	WG	0.0155	lb ai/a	0.33	oz/a	2-4"W-1	B								
11	DESTINY MSO	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-1	B								
11	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-1	B								
12	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-1	B	99 a	99 a	99 a		99 a	99 a	99 a	
12	DESTINY MSO	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-1	B								
12	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-1	B								
13	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-1	B	99 a	99 a	99 a		99 a	99 a	99 a	
13	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	2-4"W-1	B								
13	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-1	B								
13	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-1	B								
14	HALEX GT	4.38	SC	2.2	lb ai/a	4.0	pt/a	2-4"W-1	B	99 a	99 a	99 a		99 a	99 a	99 a	
14	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	2-4"W-1	B								
14	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-1	B								
15	HARNESS XTRA	5.6	L	2.1	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a	99 a	99 a	91 b	99 a	93 c	94 c
15	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W-2	C								
15	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-2	C								
LSD (P=.05)										2.1	0.0	1.0	0.0	4.5	0.0	2.9	4.0
Replicate F										1.000	0.000	1.000	0.000	2.651	0.000	2.672	0.169
Replicate Prob(F)										0.4019	1.0000	0.3806	1.0000	0.1192	1.0000	0.0867	0.8458
Treatment F										3417.256	0.000	5503.456	0.000	740.272	0.000	631.811	339.741
Treatment Prob(F)										0.0001	1.0000	0.0001	1.0000	0.0001	1.0000	0.0001	0.0001

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

Laudis Programs.

Project Code: 07-51W-MN80 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code	CYPES	CYPES	CYPES	CYPES
Crop Code				
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Date			7-10-07	8-7-07
Trt-Eval Interval	0 DAPO	7 DAPO	28 DA-C	56 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code				
1	NONTREATED									0 d	0 f	0 f	0 f
2	BALANCE PRO	4	SC	0.047	lb ai/a	1.5	fl oz/a	PRE	A	53 c	47 e	48 de	30 e
2	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-2	C				
2	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	2-4"W-2	C				
2	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-2	C				
2	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-2	C				
3	BALANCE PRO	4	SC	0.047	lb ai/a	1.5	fl oz/a	PRE	A	68 b	40 e	43 e	43 de
3	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	PRE	A				
3	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-2	C				
3	DESTINY MSO	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-2	C				
3	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-2	C				
4	BICEP II MAGNUM	5.5	L	2.9	lb ai/a	2.1	qt/a	PRE	A	88 a	93 a	95 a	90 ab
4	CALLISTO	4	SC	0.094	lb ai/a	3.0	fl oz/a	2-4"W-2	C				
4	AATREX	90	WG	0.5	lb ai/a	0.556	lb/a	2-4"W-2	C				
4	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-2	C				
4	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-2	C				
5	RESOLVE	25	WG	0.0156	lb ai/a	1.0	oz/a	PRE	A	73 b	73 cd	68 bcd	73 bc
5	BALANCE PRO	4	SC	0.0312	lb ai/a	1.0	fl oz/a	PRE	A				
5	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-2	C				
5	AATREX	90	WG	0.5	lb ai/a	0.556	lb/a	2-4"W-2	C				
5	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-2	C				
5	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-2	C				
6	LAUDIS	3.5	SC	0.0547	lb ai/a	2	fl oz/a	2-4"W-2	C	70 d	84 abc	82 abc	
6	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-4"W-2	C				
6	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-2	C				
7	LIBERTY	1.67	EC	0.417	lb ai/a	32	fl oz/a	2-4"W-2	C	83 abc	92 a	88 ab	
7	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	2-4"W-2	C				
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-2	C				
8	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-2	C	89 ab	89 ab	89 ab	
8	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W-2	C				
8	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-2	C				
9	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W-2	C	92 a	92 a	95 a	
9	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	2-4"W-2	C				
9	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-2	C				
10	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-1	B	78 bcd	93 a	95 a	
10	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	2-4"W-1	B				
10	ROUNDUP ORIG MAX	4.5	SL	0.387	lb ae/a	11	fl oz/a	2-4"W-1	B				
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-1	B				
11	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-1	B	37 e	81 abc	82 abc	
11	ACCENT	75	WG	0.0155	lb ai/a	0.33	oz/a	2-4"W-1	B				
11	DESTINY MSO	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-1	B				
11	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-1	B				
12	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-1	B	37 e	33 e	67 c	
12	DESTINY MSO	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-1	B				
12	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-1	B				
13	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	2-4"W-1	B	67 d	65 cd	62 cd	
13	AATREX	90	WG	1.0	lb ai/a	1.11	lb/a	2-4"W-1	B				
13	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	2-4"W-1	B				
13	28% UAN	100	LIQ	1.5	qt/a	1.5	qt/a	2-4"W-1	B				
14	HALEX GT	4.38	SC	2.2	lb ai/a	4.0	pt/a	2-4"W-1	B	68 d	95 a	93 ab	
14	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	2-4"W-1	B				
14	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-1	B				
15	HARNESS XTRA	5.6	L	2.1	lb ai/a	1.5	qt/a	PRE	A	89 a	93 a	93 a	92 ab
15	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"W-2	C				
15	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"W-2	C				
LSD (P=.05)										11.4	12.5	21.8	20.8

Laudis Programs.

Project Code: 07-51W-MN80 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code	CYPES	CYPES	CYPES	CYPES
Crop Code	Control	Control	Control	Control
Rating Data Type	Percent	Percent	Percent	Percent
Rating Unit			7-10-07	8-7-07
Rating Date				
Trt-Eval Interval	0 DAPO	7 DAPO	28 DA-C	56 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code
Replicate F				3.612		8.097		0.777	0.691
Replicate Prob(F)				0.0660		0.0017		0.4695	0.5096
Treatment F				84.650		39.195		14.402	15.026
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: Bayer (DLA).
2. Ratings: CI/WC prior to POST and 7 DA POST; CI/WC at 28 + 56 DA "C".
3. Yield, destroy grain.
4. Photos are requested.
5. DAPO = Days after postemergence application.
 Ratings at 0 DAPO were on 6-12-07.
 Ratings at 7 DAPO were on 6-16-07 and 6-19-07 for the 2-4"W-1 and 2-4"W-2, respectively.
6. DA-C = Days after 2-4"W-2 application.
6. Harvested 10-5-07, (2) 30 inch rows by 24 ft.