

Evaluation of Halex GT and Competitive Standards.

Project Code: 07-2B-E105 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 Halex GT (A15189) to current commercial products for weed management in Roundup Ready corn.

Weed Code	Common Name	Scientific Name
1.	SETFA foxtail, giant	Setaria faberi Herrm.
2.	AMATA waterhemp, common	Amaranthus rudis Sauer
3.	AMBEL ragweed, common	Ambrosia artemisiifolia L.
4.	ABUTH velvetleaf	Abutilon theophrasti Medicus

Crop 1: ZEAMX corn, field Variety: 33K44
 Planting Method: Seeded Planting Date: 5-24-07
 Rate: 28000 S/A Depth: 1.5 IN
 Row Spacing: 30 IN

Plot Width, Unit: 10 FT Plot Length, Unit: 30 FT Reps: 3
 Tillage Type: Reduced-Till Study Design: Randomized complete block
 Previous Crop, Year: GLXMA, 2006
 Field Prep./Maintenance: N 150 LB/A, P2O5 0 LB/A, K2O 0 LB/A

Soil Name: Weir % OM: 2.4 pH: 6.6 CEC: 8
 Texture: Silt loam Fert. Level: P1: 86 LB/A, K: 360 LB/A

APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	5-24-07	6-11-07	6-13-07	6-20-07
Time of Day:	18:30	10:00	8:30	7:00
Application Method:	Spray	Spray	Spray	Spray
Application Timing:	PRE	1-3"W	3-4"W	2-4"orV8
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	84 F	76 F	70 F	70 F
% Relative Humidity:	52	74	80	70
Wind Velocity, Unit:	5-7 MPH	0-1 MPH	0-1 MPH	0 MPH
Dew Presence (Y/N):	N	N	N	N
Soil Moisture:	NORMAL	NORMAL	NORMAL	NORMAL
% Cloud Cover:	80	100	20	0

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	ZEAMX NA	ZEAMX V4	ZEAMX V4	ZEAMX V5
Height, Unit:	NA NA	10-11 IN	11-12 IN	15 IN

WEED STAGE AT EACH APPLICATION

	A	B	C	D
Weed 1 Code:	SETFA	SETFA	SETFA	SETFA
Stage(leaves):	2-4	3-5	3-8	3-8
Height(inches):	2-3	2-4	2-5	2-5
Density:	High	High	High	High
Weed 2 Code:	AMATA	AMATA	AMATA	AMATA
Stage(leaves):	2-6	4-8	4-10	4-10
Height(inches):	1-3	2-4	2-5	2-5
Density:	High	High	High	High
Weed 3 Code:	AMBEL	AMBEL	AMBEL	AMBEL
Stage(leaves):	2-4	4-6	4-10	4-10
Height(inches):	1-3	3-4	3-6	3-6
Density:	Low	Medium	Medium	Medium
Weed 4 Code:	ABUTH	ABUTH	ABUTH	ABUTH
Stage(leaves):	1-3	3-5	3-8	3-8
Height(inches):	1-3	2-4	2-5	2-5
Density:	High	Medium	Medium	Medium

APPLICATION EQUIPMENT

	A	B	C	D
Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer
Operating Pressure:	40 PSI	40 PSI	40 PSI	40 PSI
Nozzle Type:	Flat fan	Flat fan	Flat fan	Flat fan
Nozzle Size:	XR 8002	XR 8002	XR 8002	XR 8002
Boom Length, Unit:	7.5 FT	7.5 FT	7.5 FT	7.5 FT
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA

NOTES:

Evaluation of Halex GT and Competitive Standards.

Project Code: 07-2B-E105 Location: Belleville Research Center
 Investigator: Bryan Young

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

ZEAMX ZEAMX ZEAMX ZEAMX ZEAMX ZEAMX
 Moisture Yield Injury Injury Injury Injury
 Percent bu/A Percent Percent Percent Percent
 10-6-07 10-6-07 6-18-07 6-25-07 7-9-07 8-6-07
 7 DA-B 14 DA-B 28 DA-B 56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code						
1	NONTREATED									14.2 b	67 d	0 a	0 a	0 a	0 a
2	HALEX GT	4.38	SC	2.2	lb ai/a	4	pt/a	1-3"W	B	16.0 ab	141 bc	0 a	0 a	0 a	0 a
2	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	1-3"W	B						
2	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						
3	HALEX GT	4.38	SC	2.2	lb ai/a	4	pt/a	1-3"W	B	15.7 ab	154 abc	0 a	0 a	0 a	0 a
3	AATREX	90	WG	0.5	lb ai/a	0.556	lb/a	1-3"W	B						
3	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	1-3"W	B						
3	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						
4	LUMAX	3.94	L	1.97	lb ai/a	2	qt/a	PRE	A	16.4 a	185 a	0 a	0 a	0 a	0 a
4	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"orV8	D						
4	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
5	HARNESX XTRA	5.6	L	2.1	lb ai/a	1.5	qt/a	PRE	A	15.3 ab	165 ab	0 a	0 a	0 a	0 a
5	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"orV8	D						
5	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
6	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	C	16.1 ab	150 bc	0 a	0 a	0 a	0 a
6	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W	C						
7	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	C	16.2 ab	150 bc	0 a	0 a	0 a	0 a
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W	C						
7	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"orV8	D						
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
8	LEXAR	3.7	L	1.39	lb ai/a	1.5	qt/a	PRE	A	16.6 a	159 abc	0 a	0 a	0 a	0 a
8	LEXAR	3.7	L	1.39	lb ai/a	1.5	qt/a	1-3"W	B						
9	LEXAR	3.7	L	2.78	lb ai/a	3	qt/a	PRE	A	16.3 a	165 ab	0 a	0 a	0 a	0 a
10	LEXAR	3.7	L	1.16	lb ai/a	1.25	qt/a	PRE	A	15.2 ab	158 abc	0 a	0 a	0 a	0 a
10	HALEX GT	4.38	SC	2.2	lb ai/a	4	pt/a	2-4"orV8	D						
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	2-4"orV8	D						
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
11	BICEP II MAGNUM	5.5	L	2.06	lb ai/a	1.5	qt/a	PRE	A	15.6 ab	164 ab	0 a	0 a	0 a	0 a
11	HALEX GT	4.38	SC	2.2	lb ai/a	4	pt/a	2-4"orV8	D						
11	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	2-4"orV8	D						
11	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
12	BICEP II MAGNUM	5.5	L	2.47	lb ai/a	1.8	qt/a	PRE	A	15.7 ab	171 ab	0 a	0 a	0 a	0 a
12	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	2-4"orV8	D						
12	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"orV8	D						
12	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
13	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"orV8	D	17.0 a	127 c	0 a	0 a	0 a	0 a
13	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
14	DUAL II MAGNUM	7.64	EC	0.72	lb ai/a	0.75	pt/a	PRE	A	16.8 a	160 abc	0 a	0 a	0 a	0 a
14	IMPACT	2.8	SC	0.011	lb ai/a	0.5	fl oz/a	2-4"orV8	D						
14	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"orV8	D						
14	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
15	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	1-3"W	B	16.0 ab	155 abc	0 a	0 a	0 a	0 a
15	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	1-3"W	B						
15	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						
16	GUARDSMAN MAX	5	L	1.56	lb ai/a	2.5	pt/a	PRE	A	16.4 a	160 abc	0 a	0 a	0 a	0 a
16	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"orV8	D						
16	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
17	SURESTART	4.25	SE	0.93	lb ai/a	1.75	pt/a	PRE	A	16.2 ab	160 abc	0 a	0 a	0 a	0 a
17	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	2-4"orV8	D						
17	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
18	SURESTART	4.25	SE	0.93	lb ai/a	1.75	pt/a	1-3"W	B	16.0 ab	159 abc	0 a	0 a	0 a	0 a
18	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	1-3"W	B						
18	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						
LSD (P=.05)										2.13	33.5	0.0	0.0	0.0	0.0

Evaluation of Halex GT and Competitive Standards.

Project Code: 07-2B-E105 Location: Belleville Research Center
 Investigator: Bryan Young

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	ZEAMX Moisture Percent	ZEAMX Yield bu/A	ZEAMX Injury Percent	ZEAMX Injury Percent	ZEAMX Injury Percent	ZEAMX Injury Percent
Replicate F										0.764	2.173	0.000	0.000	0.000	0.000
Replicate Prob(F)										0.4741	0.1303	1.0000	1.0000	1.0000	1.0000
Treatment F										0.763	4.514	0.000	0.000	0.000	0.000
Treatment Prob(F)										0.7186	0.0001	1.0000	1.0000	1.0000	1.0000

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

Evaluation of Halex GT and Competitive Standards.

Project Code: 07-2B-E105 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code	SETFA	SETFA	SETFA	AMATA	AMATA	AMATA
Crop Code	Control	Control	Control	Control	Control	Control
Rating Data Type	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit	6-25-07	7-9-07	8-6-07	6-25-07	7-9-07	8-6-07
Rating Date	14 DA-B	28 DA-B	56 DA-B	14 DA-B	28 DA-B	56 DA-B
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 c	0 e	0 f	0 d	0 d	0 c
2	HALEX GT	4.38	SC	2.2	lb ai/a	4	pt/a	1-3"W	B	98 a	98 ab	94 a-e	99 a	99 a	99 a
2	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	1-3"W	B						
2	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						
3	HALEX GT	4.38	SC	2.2	lb ai/a	4	pt/a	1-3"W	B	99 a	98 ab	99 ab	99 a	99 a	99 a
3	AATREX	90	WG	0.5	lb ai/a	0.556	lb/a	1-3"W	B						
3	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	1-3"W	B						
3	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						
4	LUMAX	3.94	L	1.97	lb ai/a	2	qt/a	PRE	A	99 a	99 a	99 ab	99 a	98 ab	99 a
4	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"orV8	D						
4	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
5	HARNESX XTRA	5.6	L	2.1	lb ai/a	1.5	qt/a	PRE	A	99 a	98 ab	96 a-d	99 a	98 ab	89 b
5	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"orV8	D						
5	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
6	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	C	98 a	96 cd	88 e	98 a	96 b	99 a
6	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W	C						
7	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	C	99 a	97 bc	91 de	99 a	97 ab	99 a
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W	C						
7	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"orV8	D						
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
8	LEXAR	3.7	L	1.39	lb ai/a	1.5	qt/a	PRE	A	98 a	98 ab	93 b-e	99 a	99 a	99 a
8	LEXAR	3.7	L	1.39	lb ai/a	1.5	qt/a	1-3"W	B						
9	LEXAR	3.7	L	2.78	lb ai/a	3	qt/a	PRE	A	97 a	97 bc	92 cde	99 a	99 a	99 a
10	LEXAR	3.7	L	1.16	lb ai/a	1.25	qt/a	PRE	A	99 a	99 a	99 a	99 a	99 a	99 a
10	HALEX GT	4.38	SC	2.2	lb ai/a	4	pt/a	2-4"orV8	D						
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	2-4"orV8	D						
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
11	BICEP II MAGNUM	5.5	L	2.06	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a	99 a	99 a	99 a	99 a
11	HALEX GT	4.38	SC	2.2	lb ai/a	4	pt/a	2-4"orV8	D						
11	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	2-4"orV8	D						
11	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
12	BICEP II MAGNUM	5.5	L	2.47	lb ai/a	1.8	qt/a	PRE	A	99 a	99 a	99 a	99 a	99 a	99 a
12	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	2-4"orV8	D						
12	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"orV8	D						
12	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
13	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"orV8	D	98 a	96 cd	89 e	52 c	92 c	99 a
13	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
14	DUAL II MAGNUM	7.64	EC	0.72	lb ai/a	0.75	pt/a	PRE	A	98 a	99 a	98 abc	73 b	98 ab	99 a
14	IMPACT	2.8	SC	0.011	lb ai/a	0.5	fl oz/a	2-4"orV8	D						
14	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"orV8	D						
14	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
15	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	1-3"W	B	98 a	94 d	92 cde	99 a	98 ab	99 a
15	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	1-3"W	B						
15	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						
16	GUARDSMAN MAX	5	L	1.56	lb ai/a	2.5	pt/a	PRE	A	98 a	98 ab	97 abc	99 a	99 a	99 a
16	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"orV8	D						
16	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
17	SURESTART	4.25	SE	0.93	lb ai/a	1.75	pt/a	PRE	A	99 a	97 abc	97 abc	99 a	98 ab	99 a
17	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	2-4"orV8	D						
17	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
18	SURESTART	4.25	SE	0.93	lb ai/a	1.75	pt/a	1-3"W	B	66 b	99 a	99 a	99 a	99 a	99 a
18	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	1-3"W	B						
18	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						

LSD (P=.05)

22.3 1.9 6.2 13.2 2.8 6.6

Evaluation of Halex GT and Competitive Standards.

Project Code: 07-2B-E105 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code	SETFA	SETFA	SETFA	AMATA	AMATA	AMATA
Crop Code						
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date	6-25-07	7-9-07	8-6-07	6-25-07	7-9-07	8-6-07
Trt-Eval Interval	14 DA-B	28 DA-B	56 DA-B	14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code
Replicate F				1.110		0.014		0.362	1.144
Replicate Prob(F)				0.3412		0.9858		0.6988	0.3306
Treatment F				9.663		1232.590		111.288	30.938
Treatment Prob(F)				0.0001		0.0001		0.0001	0.0001

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

Evaluation of Halex GT and Competitive Standards.

Project Code: 07-2B-E105 Location: Belleville Research Center
 Investigator: Bryan Young

										AMBEL	AMBEL	AMBEL	ABUTH	ABUTH	ABUTH
										Control	Control	Control	Control	Control	Control
										Percent	Percent	Percent	Percent	Percent	Percent
										6-25-07	7-9-07	8-6-07	6-25-07	7-9-07	8-6-07
										14 DA-B	28 DA-B	56 DA-B	14 DA-B	28 DA-B	56 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code						
1	NONTREATED									0 d	0 b	0 c	0 h	0 f	0 d
2	HALEX GT	4.38	SC	2.2	lb ai/a	4	pt/a	1-3"W	B	99 a	99 a	96 ab	97 abc	98 ab	98 ab
2	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	1-3"W	B						
2	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						
3	HALEX GT	4.38	SC	2.2	lb ai/a	4	pt/a	1-3"W	B	99 a	99 a	99 a	99 a	99 a	99 a
3	AATREX	90	WG	0.5	lb ai/a	0.556	lb/a	1-3"W	B						
3	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	1-3"W	B						
3	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						
4	LUMAX	3.94	L	1.97	lb ai/a	2	qt/a	PRE	A	99 a	99 a	99 a	98 ab	98 ab	98 a
4	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"orV8	D						
4	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
5	HARNESX XTRA	5.6	L	2.1	lb ai/a	1.5	qt/a	PRE	A	99 a	98 a	94 b	90 def	95 b	85 c
5	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"orV8	D						
5	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
6	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	C	99 a	98 a	99 a	96 a-d	90 cd	92 b
6	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W	C						
7	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	3-4"W	C	99 a	99 a	99 a	96 a-d	90 cd	94 ab
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	3-4"W	C						
7	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"orV8	D						
7	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
8	LEXAR	3.7	L	1.39	lb ai/a	1.5	qt/a	PRE	A	99 a	99 a	99 a	98 ab	99 a	99 a
8	LEXAR	3.7	L	1.39	lb ai/a	1.5	qt/a	1-3"W	B						
9	LEXAR	3.7	L	2.78	lb ai/a	3	qt/a	PRE	A	99 a	99 a	99 a	97 a-d	98 ab	98 ab
10	LEXAR	3.7	L	1.16	lb ai/a	1.25	qt/a	PRE	A	99 a	99 a	99 a	99 a	99 a	99 a
10	HALEX GT	4.38	SC	2.2	lb ai/a	4	pt/a	2-4"orV8	D						
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	2-4"orV8	D						
10	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
11	BICEP II MAGNUM	5.5	L	2.06	lb ai/a	1.5	qt/a	PRE	A	98 a	99 a	99 a	84 f	99 a	99 a
11	HALEX GT	4.38	SC	2.2	lb ai/a	4	pt/a	2-4"orV8	D						
11	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	2-4"orV8	D						
11	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
12	BICEP II MAGNUM	5.5	L	2.47	lb ai/a	1.8	qt/a	PRE	A	98 a	99 a	99 a	92 b-e	99 ab	99 a
12	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	2-4"orV8	D						
12	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"orV8	D						
12	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
13	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"orV8	D	25 c	99 a	99 a	27 g	75 e	94 ab
13	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
14	DUAL II MAGNUM	7.64	EC	0.72	lb ai/a	0.75	pt/a	PRE	A	30 b	98 a	99 a	28 g	91 c	93 ab
14	IMPACT	2.8	SC	0.011	lb ai/a	0.5	fl oz/a	2-4"orV8	D						
14	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"orV8	D						
14	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
15	LAUDIS	3.5	SC	0.082	lb ai/a	3	fl oz/a	1-3"W	B	99 a	99 a	99 a	97 abc	89 cd	97 ab
15	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	1-3"W	B						
15	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						
16	GUARDSMAN MAX	5	L	1.56	lb ai/a	2.5	pt/a	PRE	A	99 a	99 a	99 a	87 ef	90 cd	97 ab
16	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	2-4"orV8	D						
16	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
17	SURESTART	4.25	SE	0.93	lb ai/a	1.75	pt/a	PRE	A	99 a	99 a	99 a	97 abc	97 ab	99 a
17	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	2-4"orV8	D						
17	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	2-4"orV8	D						
18	SURESTART	4.25	SE	0.93	lb ai/a	1.75	pt/a	1-3"W	B	99 a	99 a	99 a	91 c-f	87 d	95 ab
18	DURANGO	4	SL	0.75	lb ae/a	24	fl oz/a	1-3"W	B						
18	N-PAK AMS	100	LIQ	2.5	% v/v	2.5	% v/v	1-3"W	B						
LSD (P=05)										4.4	0.8	3.7	6.9	3.6	6.4

Evaluation of Halex GT and Competitive Standards.

Project Code: 07-2B-E105 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code	AMBEL	AMBEL	AMBEL	ABUTH	ABUTH	ABUTH
Crop Code						
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date	6-25-07	7-9-07	8-6-07	6-25-07	7-9-07	8-6-07
Trt-Eval Interval	14 DA-B	28 DA-B	56 DA-B	14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code
Replicate F				1.726		0.296		2.104	0.158
Replicate Prob(F)				0.1933		0.7459		0.1376	0.8547
Treatment F				432.184		6494.788		333.207	160.271
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: Syngenta (005A).
2. Ratings: CI 7 DA "B"; CI/WC 14, 28 + 56 DA "B".
3. Yield.
4. DA-B = Days after 1-3"W application.
 Ratings at 7 DA-B were also 5 days after the 3-4"W (C) application and prior to the 2-4"orV8 (D) application.
 Ratings at 14 DA-B were also 12 days after the 3-4"W (C) application and 5 days after the 2-4"orV8 (D) application.
 Ratings at 28 DA-B were also 26 days after the 3-4"W (C) application and 19 days after the 2-4"orV8 (D) application.
 Ratings at 56 DA-B were also 54 days after the 3-4"W (C) application and 47 days after the 2-4"orV8 (D) application.
5. Harvested 10-6-07, (2) 30" rows by 25 ft.