

Lexar Comparisons in Corn.

Project Code: 05-50E-M110 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:** 11-14-05

Objective:

Evaluate various application strategies for Lexar compared with competitive programs.

Weed Code	Common Name	Scientific Name
1.	SETFA foxtail, giant	Setaria faberi Herrm.
2.	CYPES nutsedge, yellow	Cyperus esculentus L.
3.	XANST cocklebur, common	Xanthium strumarium L.
4.	AMBTR ragweed, giant	Ambrosia trifida L.
5.	AMATA waterhemp, common	Amaranthus rudis Sauer
6.	IPOSS morningglory, species	Ipomoea sp.

Crop 1: ZEAMX corn, field **Variety:** 33P65 RR
Planting Method: Seeded **Planting Date:** 5-5-05
Rate: 28000 S/A **Depth:** 1.5 IN
Row Spacing: 30 IN

Plot Width, Unit: 10 FT **Plot Length, Unit:** 27 FT **Reps:** 4
Tillage Type: Reduced-Till **Study Design:** Randomized complete block
Previous Crop, Year: GLXMA, 2004

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

Soil Name: Weir **% OM:** 2.2 **pH:** 6.7 **CEC:** 12
Texture: Silt loam **Fert. Level:** P1: 101 LB/A, K: 388 LB/A

APPLICATION DESCRIPTION

	A	B	C
Application Date:	05-06-05	05-17-05	05-27-05
Time of Day:	16:00	9:00	9:30
Application Method:	Spray	Spray	Spray
Application Timing:	PRE	SPK-5"CN	8-10"CN
Applic. Placement:	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	76 F	58 F	70 F
% Relative Humidity:	30	60	42
Wind Velocity, Unit:	5 MPH	7 MPH	5 MPH
Soil Moisture:	NORMAL	NORMAL	NORMAL

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX NA	ZEAMX V1	ZEAMX V3
Height, Unit:	NA NA	3-5 IN	10 IN

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 2 Code:		CYPES	CYPES
Stage (leaves):		3-5	3-6
Height (inches):		3-4	3-6
Density:		Low	Low
Weed 4 Code:		AMBTR	AMBTR
Stage (leaves):		2-4	4-6
Height (inches):		1-3	2-6
Density:		Medium	Medium
Weed 6 Code:		IPOSS	IPOSS
Stage (leaves):		0-2	0-2
Height (inches):		1-2	1-2
Density:		Low	Low

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:	8003	8002	8002
Boom Length, Unit:	7.5 FT	7.5 FT	7.5 FT
Spray Volume, Unit:	20 GPA	20 GPA	20 GPA

NOTES:

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

ZEAMX ZEAMX ZEAMX ZEAMX
 Yield Injury Injury Injury
 bu/A Percent Percent Percent
 10-15-05 05-20-05 05-27-05 05-31-05
 7 DAE 14 DAE 14 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	ZEAMX Yield	ZEAMX Injury	ZEAMX Injury	ZEAMX Injury
1	NONTREATED									11	0	0	0
2	LEXAR	3.7 L		2.78 lb ai/a		3 qt/a		PRE	A	193	0	0	0
3	LEXAR	3.7 L		3.24 lb ai/a		3.5 qt/a		PRE	A	229	0	0	0
4	BICEP II MAGNUM	5.5 L		2.9 lb ai/a		2.1 qt/a		PRE	A	178	0	0	0
5	LUMAX	3.94 L		2.46 lb ai/a		2.5 qt/a		PRE	A	181	0	0	0
6	LEXAR	3.7 L		2.78 lb ai/a		3 qt/a		PRE	A	201	0	0	0
6	PRINCEP	90 WG		1.0 lb ai/a		1.11 lb/a		PRE	A				
7	GUARDSMAN MAX	5 L		2.5 lb ai/a		4 pt/a		PRE	A	158	0	0	0
8	HARNESS XTRA	5.6 L		2.8 lb ai/a		2 qt/a		PRE	A	171	0	0	0
9	RADIUS	4 SC		0.625 lb ai/a		20 oz/a		PRE	A	132	0	0	1
10	KEYSTONE	5.25 L		3.4 lb ai/a		2.6 qt/a		PRE	A	192	0	0	0
11	LEXAR	3.7 L		2.78 lb ai/a		3 qt/a		SPK-5"CN	B	199	10	3	0
11	ACTIVATOR 90	100 LIQ		0.25 % v/v		0.25 % v/v		SPK-5"CN	B				
12	BICEP II MAGNUM	5.5 L		2.9 lb ai/a		2.1 qt/a		SPK-5"CN	B	203	11	7	0
12	ACTIVATOR 90	100 LIQ		0.25 % v/v		0.25 % v/v		SPK-5"CN	B				
13	LEXAR	3.7 L		1.39 lb ai/a		1.5 qt/a		PRE	A	215	7	2	0
13	PRINCEP	90 WG		1.0 lb ai/a		1.11 lb/a		PRE	A				
13	LEXAR	3.7 L		1.39 lb ai/a		1.5 qt/a		SPK-5"CN	B				
13	ACTIVATOR 90	100 LIQ		0.25 % v/v		0.25 % v/v		SPK-5"CN	B				
14	KEYSTONE	5.25 L		3.4 lb ai/a		2.6 qt/a		PRE	A	199	0	0	0
14	HORNET	68.5 WG		0.171 lb ai/a		4 oz/a		PRE	A				
15	BICEP II MAGNUM	5.5 L		2.9 lb ai/a		2.1 qt/a		PRE	A	210	0	0	0
15	CALLISTO	4 SC		0.094 lb ai/a		3 fl oz/a		8-10"CN	C				
15	AATREX	90 WG		0.5 lb ai/a		0.556 lb/a		8-10"CN	C				
15	PRIME OIL COC	100 LIQ		1.0 % v/v		1 % v/v		8-10"CN	C				
15	28% UAN	100 LIQ		2.0 % v/v		2 % v/v		8-10"CN	C				
16	DEGREE XTRA	4 L		3.0 lb ai/a		3 qt/a		PRE	A	156	0	0	0
LSD (P=.05)										30.1	0.6	1.0	0.6
Replicate F										0.442	0.743	0.207	1.963
Replicate Prob(F)										0.7239	0.5322	0.8913	0.1334
Treatment F										22.984	307.747	24.648	0.901
Treatment Prob(F)										0.0001	0.0001	0.0001	0.5687

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								SETFA	SETFA	SETFA	SETFA	SETFA		
								Control	Control	Control	Control	Control		
								Percent	Percent	Percent	Percent	Percent		
								05-27-05	05-31-05	06-10-05	06-14-05	06-21-05		
								14 DAE	14 DA-B	28 DAE	28 DA-B	Canopy		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code					
1	NONTREATED									0	0	0	0	0
2	LEXAR	3.7 L		2.78 lb ai/a		3 qt/a		PRE	A	96	86	76	83	83
3	LEXAR	3.7 L		3.24 lb ai/a		3.5 qt/a		PRE	A	97	94	88	89	90
4	BICEP II MAGNUM	5.5 L		2.9 lb ai/a		2.1 qt/a		PRE	A	97	92	95	87	83
5	LUMAX	3.94 L		2.46 lb ai/a		2.5 qt/a		PRE	A	98	98	91	89	85
6	LEXAR	3.7 L		2.78 lb ai/a		3 qt/a		PRE	A	99	95	90	89	89
6	PRINCEP	90 WG		1.0 lb ai/a		1.11 lb/a		PRE	A					
7	GUARDSMAN MAX	5 L		2.5 lb ai/a		4 pt/a		PRE	A	98	99	94	94	94
8	HARNESS XTRA	5.6 L		2.8 lb ai/a		2 qt/a		PRE	A	99	99	98	99	97
9	RADIUS	4 SC		0.625 lb ai/a		20 oz/a		PRE	A	99	98	98	99	99
10	KEYSTONE	5.25 L		3.4 lb ai/a		2.6 qt/a		PRE	A	99	98	97	98	97
11	LEXAR	3.7 L		2.78 lb ai/a		3 qt/a		SPK-5"CN	B	98	98	86	78	74
11	ACTIVATOR 90	100 LIQ		0.25 % v/v		0.25 % v/v		SPK-5"CN	B					
12	BICEP II MAGNUM	5.5 L		2.9 lb ai/a		2.1 qt/a		SPK-5"CN	B	99	99	89	96	96
12	ACTIVATOR 90	100 LIQ		0.25 % v/v		0.25 % v/v		SPK-5"CN	B					
13	LEXAR	3.7 L		1.39 lb ai/a		1.5 qt/a		PRE	A	99	99	97	98	97
13	PRINCEP	90 WG		1.0 lb ai/a		1.11 lb/a		PRE	A					
13	LEXAR	3.7 L		1.39 lb ai/a		1.5 qt/a		SPK-5"CN	B					
13	ACTIVATOR 90	100 LIQ		0.25 % v/v		0.25 % v/v		SPK-5"CN	B					
14	KEYSTONE	5.25 L		3.4 lb ai/a		2.6 qt/a		PRE	A	99	99	99	99	97
14	HORNET	68.5 WG		0.171 lb ai/a		4 oz/a		PRE	A					
15	BICEP II MAGNUM	5.5 L		2.9 lb ai/a		2.1 qt/a		PRE	A	99	99	98	98	98
15	CALLISTO	4 SC		0.094 lb ai/a		3 fl oz/a		8-10"CN	C					
15	AATREX	90 WG		0.5 lb ai/a		0.556 lb/a		8-10"CN	C					
15	PRIME OIL COC	100 LIQ		1.0 % v/v		1 % v/v		8-10"CN	C					
15	28% UAN	100 LIQ		2.0 % v/v		2 % v/v		8-10"CN	C					
16	DEGREE XTRA	4 L		3.0 lb ai/a		3 qt/a		PRE	A	99	99	99	98	98
LSD (P=.05)								1.7	6.2	8.6	12.5	12.2		
Replicate F								7.551	2.175	2.120	1.831	1.317		
Replicate Prob(F)								0.0004	0.1044	0.1113	0.1554	0.2810		
Treatment F								1664.558	126.920	63.998	30.430	31.727		
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001		

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								CYPES	CYPES	CYPES	CYPES	CYPES		
								Control	Control	Control	Control	Control		
								Percent	Percent	Percent	Percent	Percent		
								05-27-05	05-31-05	06-10-05	06-14-05	06-21-05		
								14 DAE	14 DA-B	28 DAE	28 DA-B	Canopy		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code					
1	NONTREATED									0	0	0	0	0
2	LEXAR	3.7 L		2.78 lb ai/a		3 qt/a		PRE	A	86	83	81	88	89
3	LEXAR	3.7 L		3.24 lb ai/a		3.5 qt/a		PRE	A	92	87	88	87	85
4	BICEP II MAGNUM	5.5 L		2.9 lb ai/a		2.1 qt/a		PRE	A	81	76	80	79	78
5	LUMAX	3.94 L		2.46 lb ai/a		2.5 qt/a		PRE	A	89	88	84	94	94
6	LEXAR	3.7 L		2.78 lb ai/a		3 qt/a		PRE	A	88	89	91	90	86
6	PRINCEP	90 WG		1.0 lb ai/a		1.11 lb/a		PRE	A					
7	GUARDSMAN MAX	5 L		2.5 lb ai/a		4 pt/a		PRE	A	84	80	86	93	91
8	HARNESS XTRA	5.6 L		2.8 lb ai/a		2 qt/a		PRE	A	83	76	80	88	84
9	RADIUS	4 SC		0.625 lb ai/a		20 oz/a		PRE	A	64	64	56	80	79
10	KEYSTONE	5.25 L		3.4 lb ai/a		2.6 qt/a		PRE	A	81	76	83	74	73
11	LEXAR	3.7 L		2.78 lb ai/a		3 qt/a		SPK-5"CN	B	95	90	88	80	91
11	ACTIVATOR 90	100 LIQ		0.25 % v/v		0.25 % v/v		SPK-5"CN	B					
12	BICEP II MAGNUM	5.5 L		2.9 lb ai/a		2.1 qt/a		SPK-5"CN	B	90	84	89	88	88
12	ACTIVATOR 90	100 LIQ		0.25 % v/v		0.25 % v/v		SPK-5"CN	B					
13	LEXAR	3.7 L		1.39 lb ai/a		1.5 qt/a		PRE	A	97	91	94	96	95
13	PRINCEP	90 WG		1.0 lb ai/a		1.11 lb/a		PRE	A					
13	LEXAR	3.7 L		1.39 lb ai/a		1.5 qt/a		SPK-5"CN	B					
13	ACTIVATOR 90	100 LIQ		0.25 % v/v		0.25 % v/v		SPK-5"CN	B					
14	KEYSTONE	5.25 L		3.4 lb ai/a		2.6 qt/a		PRE	A	93	88	85	91	90
14	HORNET	68.5 WG		0.171 lb ai/a		4 oz/a		PRE	A					
15	BICEP II MAGNUM	5.5 L		2.9 lb ai/a		2.1 qt/a		PRE	A	84	93	94	94	93
15	CALLISTO	4 SC		0.094 lb ai/a		3 fl oz/a		8-10"CN	C					
15	AATREX	90 WG		0.5 lb ai/a		0.556 lb/a		8-10"CN	C					
15	PRIME OIL COC	100 LIQ		1.0 % v/v		1 % v/v		8-10"CN	C					
15	28% UAN	100 LIQ		2.0 % v/v		2 % v/v		8-10"CN	C					
16	DEGREE XTRA	4 L		3.0 lb ai/a		3 qt/a		PRE	A	81	79	79	94	91
LSD (P=.05)								7.7	9.2	14.7	13.4	10.4		
Replicate F								0.296	0.430	0.461	3.583	3.426		
Replicate Prob(F)								0.8278	0.7326	0.7110	0.0211	0.0251		
Treatment F								72.215	46.530	19.445	23.541	38.487		
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001		

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								XANST	XANST	XANST	XANST	XANST		
								Control	Control	Control	Control	Control		
								Percent	Percent	Percent	Percent	Percent		
								05-27-05	05-31-05	06-10-05	06-14-05	06-21-05		
								14 DAE	14 DA-B	28 DAE	28 DA-B	Canopy		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code					
1	NONTREATED									0	0	0	0	0
2	LEXAR	3.7 L		2.78 lb ai/a		3 qt/a		PRE	A	90	92	91	92	92
3	LEXAR	3.7 L		3.24 lb ai/a		3.5 qt/a		PRE	A	95	94	93	94	93
4	BICEP II MAGNUM	5.5 L		2.9 lb ai/a		2.1 qt/a		PRE	A	86	88	87	83	83
5	LUMAX	3.94 L		2.46 lb ai/a		2.5 qt/a		PRE	A	88	86	81	86	84
6	LEXAR	3.7 L		2.78 lb ai/a		3 qt/a		PRE	A	93	91	92	93	90
6	PRINCEP	90 WG		1.0 lb ai/a		1.11 lb/a		PRE	A					
7	GUARDSMAN MAX	5 L		2.5 lb ai/a		4 pt/a		PRE	A	89	88	83	86	84
8	HARNESS XTRA	5.6 L		2.8 lb ai/a		2 qt/a		PRE	A	94	87	86	85	85
9	RADIUS	4 SC		0.625 lb ai/a		20 oz/a		PRE	A	86	76	66	83	83
10	KEYSTONE	5.25 L		3.4 lb ai/a		2.6 qt/a		PRE	A	96	94	92	93	91
11	LEXAR	3.7 L		2.78 lb ai/a		3 qt/a		SPK-5"CN	B	98	96	96	96	96
11	ACTIVATOR 90	100 LIQ		0.25 % v/v		0.25 % v/v		SPK-5"CN	B					
12	BICEP II MAGNUM	5.5 L		2.9 lb ai/a		2.1 qt/a		SPK-5"CN	B	98	94	96	98	98
12	ACTIVATOR 90	100 LIQ		0.25 % v/v		0.25 % v/v		SPK-5"CN	B					
13	LEXAR	3.7 L		1.39 lb ai/a		1.5 qt/a		PRE	A	98	99	99	99	99
13	PRINCEP	90 WG		1.0 lb ai/a		1.11 lb/a		PRE	A					
13	LEXAR	3.7 L		1.39 lb ai/a		1.5 qt/a		SPK-5"CN	B					
13	ACTIVATOR 90	100 LIQ		0.25 % v/v		0.25 % v/v		SPK-5"CN	B					
14	KEYSTONE	5.25 L		3.4 lb ai/a		2.6 qt/a		PRE	A	98	99	97	98	98
14	HORNET	68.5 WG		0.171 lb ai/a		4 oz/a		PRE	A					
15	BICEP II MAGNUM	5.5 L		2.9 lb ai/a		2.1 qt/a		PRE	A	92	99	99	99	99
15	CALLISTO	4 SC		0.094 lb ai/a		3 fl oz/a		8-10"CN	C					
15	AATREX	90 WG		0.5 lb ai/a		0.556 lb/a		8-10"CN	C					
15	PRIME OIL COC	100 LIQ		1.0 % v/v		1 % v/v		8-10"CN	C					
15	28% UAN	100 LIQ		2.0 % v/v		2 % v/v		8-10"CN	C					
16	DEGREE XTRA	4 L		3.0 lb ai/a		3 qt/a		PRE	A	91	91	87	88	88
LSD (P=.05)								8.0	11.9	19.2	17.5	17.5		
Replicate F								4.394	9.386	5.597	16.697	19.588		
Replicate Prob(F)								0.0087	0.0001	0.0024	0.0001	0.0001		
Treatment F								71.087	32.025	12.702	14.752	14.661		
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001		

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	AMBTR Control Percent 05-27-05 14 DAE	AMBTR Control Percent 05-31-05 14 DA-B	AMBTR Control Percent 06-10-05 28 DAE	AMBTR Control Percent 06-14-05 28 DA-B	AMBTR Control Percent 06-21-05 Canopy
1	NONTREATED									0	0	0	0	0
2	LEXAR	3.7	L	2.78	lb ai/a	3	qt/a	PRE	A	86	84	69	83	79
3	LEXAR	3.7	L	3.24	lb ai/a	3.5	qt/a	PRE	A	94	89	82	90	88
4	BICEP II MAGNUM	5.5	L	2.9	lb ai/a	2.1	qt/a	PRE	A	80	78	66	46	49
5	LUMAX	3.94	L	2.46	lb ai/a	2.5	qt/a	PRE	A	84	76	68	82	66
6	LEXAR	3.7	L	2.78	lb ai/a	3	qt/a	PRE	A	90	86	85	84	84
6	PRINCEP	90	WG	1.0	lb ai/a	1.11	lb/a	PRE	A					
7	GUARDSMAN MAX	5	L	2.5	lb ai/a	4	pt/a	PRE	A	91	83	76	70	56
8	HARNESS XTRA	5.6	L	2.8	lb ai/a	2	qt/a	PRE	A	93	85	79	84	74
9	RADIUS	4	SC	0.625	lb ai/a	20	oz/a	PRE	A	74	60	43	36	39
10	KEYSTONE	5.25	L	3.4	lb ai/a	2.6	qt/a	PRE	A	94	81	83	81	75
11	LEXAR	3.7	L	2.78	lb ai/a	3	qt/a	SPK-5"CN	B	98	89	85	92	90
11	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	SPK-5"CN	B					
12	BICEP II MAGNUM	5.5	L	2.9	lb ai/a	2.1	qt/a	SPK-5"CN	B	98	86	83	84	83
12	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	SPK-5"CN	B					
13	LEXAR	3.7	L	1.39	lb ai/a	1.5	qt/a	PRE	A	98	90	89	94	94
13	PRINCEP	90	WG	1.0	lb ai/a	1.11	lb/a	PRE	A					
13	LEXAR	3.7	L	1.39	lb ai/a	1.5	qt/a	SPK-5"CN	B					
13	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	SPK-5"CN	B					
14	KEYSTONE	5.25	L	3.4	lb ai/a	2.6	qt/a	PRE	A	98	91	86	94	90
14	HORNET	68.5	WG	0.171	lb ai/a	4	oz/a	PRE	A					
15	BICEP II MAGNUM	5.5	L	2.9	lb ai/a	2.1	qt/a	PRE	A	86	96	95	97	97
15	CALLISTO	4	SC	0.094	lb ai/a	3	fl oz/a	8-10"CN	C					
15	AATREX	90	WG	0.5	lb ai/a	0.556	lb/a	8-10"CN	C					
15	PRIME OIL COC	100	LIQ	1.0	% v/v	1	% v/v	8-10"CN	C					
15	28% UAN	100	LIQ	2.0	% v/v	2	% v/v	8-10"CN	C					
16	DEGREE XTRA	4	L	3.0	lb ai/a	3	qt/a	PRE	A	85	75	65	50	44
LSD (P=.05)										8.0	6.9	11.2	14.9	18.3
Replicate F										1.220	1.463	2.499	8.041	6.978
Replicate Prob(F)										0.3135	0.2377	0.0719	0.0002	0.0006
Treatment F										70.160	85.194	33.974	26.079	16.471
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001

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Project Code: 05-50E-M110 Location: Belleville Research Center
 Investigator: Bryan Young

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	AMATA Control Percent 05-27-05 14 DAE	AMATA Control Percent 05-31-05 14 DA-B	AMATA Control Percent 06-10-05 28 DAE	AMATA Control Percent 06-14-05 28 DA-B	AMATA Control Percent 06-21-05 Canopy
1	NONTREATED									0	0	0	0	0
2	LEXAR	3.7 L		2.78	lb ai/a	3	qt/a	PRE	A	99	99	99	99	99
3	LEXAR	3.7 L		3.24	lb ai/a	3.5	qt/a	PRE	A	99	99	99	99	99
4	BICEP II MAGNUM	5.5 L		2.9	lb ai/a	2.1	qt/a	PRE	A	99	99	98	99	99
5	LUMAX	3.94 L		2.46	lb ai/a	2.5	qt/a	PRE	A	99	99	99	99	99
6	LEXAR	3.7 L		2.78	lb ai/a	3	qt/a	PRE	A	99	99	99	99	99
6	PRINCEP	90 WG		1.0	lb ai/a	1.11	lb/a	PRE	A	99	99	99	99	99
7	GUARDSMAN MAX	5 L		2.5	lb ai/a	4	pt/a	PRE	A	99	99	99	99	99
8	HARNESS XTRA	5.6 L		2.8	lb ai/a	2	qt/a	PRE	A	99	99	99	99	99
9	RADIUS	4 SC		0.625	lb ai/a	20	oz/a	PRE	A	99	99	96	98	98
10	KEYSTONE	5.25 L		3.4	lb ai/a	2.6	qt/a	PRE	A	99	99	99	99	99
11	LEXAR	3.7 L		2.78	lb ai/a	3	qt/a	SPK-5"CN	B	99	99	99	99	99
11	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	SPK-5"CN	B	99	99	99	99	99
12	BICEP II MAGNUM	5.5 L		2.9	lb ai/a	2.1	qt/a	SPK-5"CN	B	99	99	99	99	99
12	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	SPK-5"CN	B	99	99	99	99	99
13	LEXAR	3.7 L		1.39	lb ai/a	1.5	qt/a	PRE	A	99	99	99	99	99
13	PRINCEP	90 WG		1.0	lb ai/a	1.11	lb/a	PRE	A	99	99	99	99	99
13	LEXAR	3.7 L		1.39	lb ai/a	1.5	qt/a	SPK-5"CN	B	99	99	99	99	99
13	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	SPK-5"CN	B	99	99	99	99	99
14	KEYSTONE	5.25 L		3.4	lb ai/a	2.6	qt/a	PRE	A	99	99	99	99	99
14	HORNET	68.5 WG		0.171	lb ai/a	4	oz/a	PRE	A	99	99	99	99	99
15	BICEP II MAGNUM	5.5 L		2.9	lb ai/a	2.1	qt/a	PRE	A	99	99	99	99	99
15	CALLISTO	4 SC		0.094	lb ai/a	3	fl oz/a	8-10"CN	C	99	99	99	99	99
15	AATREX	90 WG		0.5	lb ai/a	0.556	lb/a	8-10"CN	C	99	99	99	99	99
15	PRIME OIL COC	100 LIQ		1.0	% v/v	1	% v/v	8-10"CN	C	99	99	99	99	99
15	28% UAN	100 LIQ		2.0	% v/v	2	% v/v	8-10"CN	C	99	99	99	99	99
16	DEGREE XTRA	4 L		3.0	lb ai/a	3	qt/a	PRE	A	99	99	99	99	99
LSD (P=.05)										0.0	0.0	1.7	0.4	0.3
Replicate F										0.000	0.000	1.731	0.543	0.978
Replicate Prob(F)										1.0000	1.0000	0.1745	0.6553	0.4119
Treatment F										0.000	0.000	1797.499	31902.937	41777.766
Treatment Prob(F)										1.0000	1.0000	0.0001	0.0001	0.0001

Lexar Comparisons in Corn.

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	IPOHE	IPOHE	IPOHE	IPOHE	IPOHE
										Control Percent	Control Percent	Control Percent	Control Percent	Control Percent
1	NONTREATED									0	0	0	0	0
2	LEXAR	3.7 L		2.78 lb ai/a		3 qt/a		PRE	A	97	91	85	92	89
3	LEXAR	3.7 L		3.24 lb ai/a		3.5 qt/a		PRE	A	96	94	90	94	93
4	BICEP II MAGNUM	5.5 L		2.9 lb ai/a		2.1 qt/a		PRE	A	95	88	80	94	91
5	LUMAX	3.94 L		2.46 lb ai/a		2.5 qt/a		PRE	A	94	81	73	96	92
6	LEXAR	3.7 L		2.78 lb ai/a		3 qt/a		PRE	A	96	93	88	94	92
6	PRINCEP	90 WG		1.0 lb ai/a		1.11 lb/a		PRE	A					
7	GUARDSMAN MAX	5 L		2.5 lb ai/a		4 pt/a		PRE	A	96	92	92	90	90
8	HARNESS XTRA	5.6 L		2.8 lb ai/a		2 qt/a		PRE	A	93	86	88	96	90
9	RADIUS	4 SC		0.625 lb ai/a		20 oz/a		PRE	A	90	68	48	74	71
10	KEYSTONE	5.25 L		3.4 lb ai/a		2.6 qt/a		PRE	A	98	81	90	92	89
11	LEXAR	3.7 L		2.78 lb ai/a		3 qt/a		SPK-5"CN	B	97	95	88	97	94
11	ACTIVATOR 90	100 LIQ		0.25 % v/v		0.25 % v/v		SPK-5"CN	B					
12	BICEP II MAGNUM	5.5 L		2.9 lb ai/a		2.1 qt/a		SPK-5"CN	B	98	90	86	90	90
12	ACTIVATOR 90	100 LIQ		0.25 % v/v		0.25 % v/v		SPK-5"CN	B					
13	LEXAR	3.7 L		1.39 lb ai/a		1.5 qt/a		PRE	A	98	91	93	94	94
13	PRINCEP	90 WG		1.0 lb ai/a		1.11 lb/a		PRE	A					
13	LEXAR	3.7 L		1.39 lb ai/a		1.5 qt/a		SPK-5"CN	B					
13	ACTIVATOR 90	100 LIQ		0.25 % v/v		0.25 % v/v		SPK-5"CN	B					
14	KEYSTONE	5.25 L		3.4 lb ai/a		2.6 qt/a		PRE	A	98	94	92	96	94
14	HORNET	68.5 WG		0.171 lb ai/a		4 oz/a		PRE	A					
15	BICEP II MAGNUM	5.5 L		2.9 lb ai/a		2.1 qt/a		PRE	A	96	99	99	97	97
15	CALLISTO	4 SC		0.094 lb ai/a		3 fl oz/a		8-10"CN	C					
15	AATREX	90 WG		0.5 lb ai/a		0.556 lb/a		8-10"CN	C					
15	PRIME OIL COC	100 LIQ		1.0 % v/v		1 % v/v		8-10"CN	C					
15	28% UAN	100 LIQ		2.0 % v/v		2 % v/v		8-10"CN	C					
16	DEGREE XTRA	4 L		3.0 lb ai/a		3 qt/a		PRE	A	93	80	68	74	81
LSD (P=.05)										3.9	9.8	14.0	11.0	8.4
Replicate F										0.983	2.206	3.409	2.474	9.054
Replicate Prob(F)										0.4096	0.1007	0.0256	0.0740	0.0001
Treatment F										305.377	46.099	24.621	38.407	61.872
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001

Trial Comments

1. Protocol: Syngenta.
2. Ratings: CI 7 and 14 DAE and 7 and 14 DA "B"; WC 14 and 28 DAE, 14 and 28 DA "B" and at canopy closure.
Rate all plots at each evaluation timing.
3. Yield.
4. Digital photos if noticeable differences.
5. DAE = Days after emergence. DA-B = Days after SPK-5"CN application. Canopy = Canopy closure.
Ratings at 14 DAE were also 10 days after SPK-5"CN application and prior to the 8-10"CN application.
Ratings at 14 DA-B were also 4 days after the 8-10"CN application.
6. Harvested 10-15-05, (2) 30 inch rows by 24 ft.