

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.0
 %OM: 6.0
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 10 X 28 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	10	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	04/26/05	05/17/05	AME
AIR TEMPERATURE	48	74	F
% REL.HUMIDITY	60	29	
WIND DIRECTION	NORTHWEST	SOUTHEAST	
WIND SPEED	16.0	7.0	M/H
CLOUD COVER	CLOUDY	CLOUDY	
DEW	NA/UNKNOW	NO	
SOIL MOISTURE	DRY/DRY	DRY/DRY	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	
NOZZLE	SPECIAL	SPECIAL	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	---	---	
DN/SG/MMZ			
*** PEST ***			
VELVETLEAF	MED/01 /	MED/10 0.50/1.00	IN
RAGWEED, GIANT	MED/01 /	MED/11 0.50/1.50	IN
LAMBSQUARTERS, C	MED/01 /	MED/11 0.50/1.00	IN
FOXTAIL, GIANT	MED/01 /	MED/11 0.50/1.00	IN
CORN, DENT DKC60-18 RR2/YGP 04/26/2005	HGH/01 /	HGH/12 1.00/2.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
 10 = ----- / VEPOST

* STAGE CODE

01 = BEGINNING OF IMBIBITION
 10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
 11 = FIRST LEAF UNFOLDED
 12 = 2 LEAVES UNFOLDED

TITLE: Lexar and Corn Herbicides for Weed Control in Corn.
CREATED: 04/22/2005 **REVISED:** 11/20/2005 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: DeKalb **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 28.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	ABUTH	AMBTR	CHEAL	ZEAMD
		RATE	UNIT		CON % 05/17/05	CON % 05/17/05	CON % 05/17/05	CON % 05/17/05	CON % 05/17/05	CON % 05/24/05
1A»	LEXAR 3.7L	2.76	LAA	9						0
2A»	LEXAR 3.7L	3.23	LAA	9						0
3A	BICEP II MAG	3.56	LAA	9						0
4A»	LUMAX 3.9L	2.94	LAA	9						0
5A»	LEXAR 3.7L	2.76	LAA	9						0
	B PRINCEP 4L	1.00	LAA	9						
6A»	GUARDS MAX 5L	2.87	LAA	9						0
7A	HARNESS XTRA	3.65	LAA	9						0
8A»	RADIUS 4SC	0.63	LAA	9						0
9A	KEYSTONE 5.25	3.41	LAA	9						0
10A	KEYSTONE 5.25	3.41	LAA	9						0
	B HORNET 68.5WG	0.171	LAA	9						
11A»	GUARDS MAX 5L	2.50	LAA	9						0
	B BALANCE PRO 4	0.07	LAA	9						
12A»	RADIUS 4SC	0.63	LAA	9						0
	B ATRAZINE DF	1.50	LAA	9						
13A»	KIH-485 60WG	0.22	LAA	9						0
	B PRINCEP 4L	1.00	LAA	9						
14A	CHECK	0.00	NA	0	0	0	0	0	0	0
15A»	LEXAR 3.7L	1.62	LAA	9	0	99	88	60	99	0
	B»LEXAR 3.7L	1.62	LAA	10						
	C»ACTIVATOR 90	0.25	PMV	10						
16A»	GUARDS MAX 5L	2.50	LAA	9	0	99	92	67	99	0
	B MARKSMAN SC	1.20	LAA	10						
	C»ACTIVATOR 90	0.25	PMV	10						
17A»	LEXAR 3.7L	2.76	LAA	10						0
	B»ACTIVATOR 90	0.25	PMV	10						
18A	BICEP II MAG	2.88	LAA	10						0
	B»COC	1.00	PMV	10						
		LSD (0.05)			0.00	0.00	13.09	15.11	0.00	0.00
		STANDARD DEVIATION			0.00	0.00	4.71	5.44	0.00	0.00

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PLOT SIZE: 10.00 FT WIDE X 28.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	ABUTH	AMBTR	CHEAL	ZEAMD	SETFA
		RATE	UNIT		CON % 05/24/05	CON % 05/24/05	CON % 05/24/05	CON % 05/24/05	CON % 06/08/05	CON % 06/08/05
1A	»LEXAR 3.7L	2.76	LAA	9	98	97	91	99		
2A	»LEXAR 3.7L	3.23	LAA	9	99	98	95	99		
3A	BICEP II MAG	3.56	LAA	9	99	93	94	99		
4A	»LUMAX 3.9L	2.94	LAA	9	97	98	93	99		
5A	»LEXAR 3.7L	2.76	LAA	9	94	97	96	99		
	B PRINCEP 4L	1.00	LAA	9						
6A	»GUARDS MAX 5L	2.87	LAA	9	98	95	93	99		
7A	HARNESS XTRA	3.65	LAA	9	93	78	86	99		
8A	»RADIUS 4SC	0.63	LAA	9	99	98	96	99		
9A	KEYSTONE 5.25	3.41	LAA	9	99	92	95	99		
10A	KEYSTONE 5.25	3.41	LAA	9	99	92	96	99		
	B HORNET 68.5WG	0.171	LAA	9						
11A	»GUARDS MAX 5L	2.50	LAA	9	99	97	97	99		
	B BALANCE PRO 4	0.07	LAA	9						
12A	»RADIUS 4SC	0.63	LAA	9	99	97	95	99		
	B ATRAZINE DF	1.50	LAA	9						
13A	»KIH-485 60WG	0.22	LAA	9	98	94	93	96		
	B PRINCEP 4L	1.00	LAA	9						
14A	CHECK	0.00	NA	0	0	0	0	0	0	0
15A	»LEXAR 3.7L	1.62	LAA	9	97	98	97	99	0	86
	B»LEXAR 3.7L	1.62	LAA	10						
	C»ACTIVATOR 90	0.25	PMV	10						
16A	»GUARDS MAX 5L	2.50	LAA	9	99	98	98	99	2	98
	B MARKSMAN SC	1.20	LAA	10						
	C»ACTIVATOR 90	0.25	PMV	10						
17A	»LEXAR 3.7L	2.76	LAA	10	98	98	98	99	0	93
	B»ACTIVATOR 90	0.25	PMV	10						
18A	BICEP II MAG	2.88	LAA	10	98	93	97	99	0	87
	B»COC	1.00	PMV	10						
		LSD (0.05)			2.45	5.93	4.45	2.00	2.43	7.00
		STANDARD DEVIATION			1.21	2.93	2.20	1.00	1.05	3.00

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 28.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ABUTH	AMBTR	CHEAL	ZEAMD	SETFA	ABUTH
		RATE	UNIT		CON % 06/08/05	CON % 06/08/05	CON % 06/08/05	CON % 06/23/05	CON % 06/23/05	CON % 06/23/05
1A	»LEXAR 3.7L	2.76	LAA	9				0	89	97
2A	»LEXAR 3.7L	3.23	LAA	9				0	86	97
3A	BICEP II MAG	3.56	LAA	9				0	83	82
4A	»LUMAX 3.9L	2.94	LAA	9				0	80	95
5A	»LEXAR 3.7L	2.76	LAA	9				0	83	96
	B PRINCEP 4L	1.00	LAA	9						
6A	»GUARDS MAX 5L	2.87	LAA	9				0	90	85
7A	HARNESS XTRA	3.65	LAA	9				0	92	60
8A	»RADIUS 4SC	0.63	LAA	9				0	94	96
9A	KEYSTONE 5.25	3.41	LAA	9				0	89	75
10A	KEYSTONE 5.25	3.41	LAA	9				0	95	79
	B HORNET 68.5WG	0.171	LAA	9						
11A	»GUARDS MAX 5L	2.50	LAA	9				0	97	97
	B BALANCE PRO 4	0.07	LAA	9						
12A	»RADIUS 4SC	0.63	LAA	9				0	91	97
	B ATRAZINE DF	1.50	LAA	9						
13A	»KIH-485 60WG	0.22	LAA	9				0	84	93
	B PRINCEP 4L	1.00	LAA	9						
14A	CHECK	0.00	NA	0	0	0	0	0	0	0
15A	»LEXAR 3.7L	1.62	LAA	9	96	91	99	0	81	96
	B»LEXAR 3.7L	1.62	LAA	10						
	C»ACTIVATOR 90	0.25	PMV	10						
16A	»GUARDS MAX 5L	2.50	LAA	9	93	92	99	0	91	70
	B MARKSMAN SC	1.20	LAA	10						
	C»ACTIVATOR 90	0.25	PMV	10						
17A	»LEXAR 3.7L	2.76	LAA	10	97	95	99	0	86	91
	B»ACTIVATOR 90	0.25	PMV	10						
18A	BICEP II MAG	2.88	LAA	10	89	79	99	0	73	77
	B»COC	1.00	PMV	10						
		LSD (0.05)			6.94	14.21	0.486	0.00	11.00	14.35
		STANDARD DEVIATION			3.00	6.16	0.211	0.00	5.45	7.10

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 28.00 FT LONG **REPS:** 03

TRT	TREATMENT	DOSAGE	AMBTR	CHEAL	YIELD	
NUM	COMPONENT	RATE	CON %	CON %	BU/A	
		UNIT	06/23/05	06/23/05	10/14/05	
1A	»LEXAR 3.7L	2.76	LAA 9	72	99	209.5
2A	»LEXAR 3.7L	3.23	LAA 9	78	99	241.6
3A	BICEP II MAG	3.56	LAA 9	70	93	183.6
4A	»LUMAX 3.9L	2.94	LAA 9	83	99	204.8
5A	»LEXAR 3.7L	2.76	LAA 9	86	99	238.7
	B PRINCEP 4L	1.00	LAA 9			
6A	»GUARDS MAX 5L	2.87	LAA 9	79	99	206.8
7A	HARNESS XTRA	3.65	LAA 9	58	96	198.7
8A	»RADIUS 4SC	0.63	LAA 9	92	95	246.2
9A	KEYSTONE 5.25	3.41	LAA 9	65	96	161.0
10A	KEYSTONE 5.25	3.41	LAA 9	88	99	233.8
	B HORNET 68.5WG	0.171	LAA 9			
11A	»GUARDS MAX 5L	2.50	LAA 9	96	99	260.4
	B BALANCE PRO 4	0.07	LAA 9			
12A	»RADIUS 4SC	0.63	LAA 9	88	99	230.2
	B ATRAZINE DF	1.50	LAA 9			
13A	»KIH-485 60WG	0.22	LAA 9	63	94	192.3
	B PRINCEP 4L	1.00	LAA 9			
14A	CHECK	0.00	NA 0	0	0	102.4
15A	»LEXAR 3.7L	1.62	LAA 9	96	99	251.5
	B»LEXAR 3.7L	1.62	LAA 10			
	C»ACTIVATOR 90	0.25	PMV 10			
16A	»GUARDS MAX 5L	2.50	LAA 9	83	99	237.3
	B MARKSMAN SC	1.20	LAA 10			
	C»ACTIVATOR 90	0.25	PMV 10			
17A	»LEXAR 3.7L	2.76	LAA 10	95	99	254.9
	B»ACTIVATOR 90	0.25	PMV 10			
18A	BICEP II MAG	2.88	LAA 10	73	98	194.8
	B»COC	1.00	PMV 10			
		LSD (0.05)		22.68	6.12	44.05
		STANDARD DEVIATION		11.22	3.00	21.80

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 04/26/2005(1)
 10 = ----- / VEPOST 05/17/2005(2)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	CON %	05/17/2005	01	P	ZEAMD	12	RAW	ALL	PHY	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/17/2005	02	P	SETFA	11	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ABUTH	CON %	05/17/2005	03	P	ABUTH	10	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMBTR	CON %	05/17/2005	04	P	AMBTR	11	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL	CON %	05/17/2005	05	P	CHEAL	11	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	05/24/2005	01	P	ZEAMD		RAW	ALL	PHY	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	05/24/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Lexar and Corn Herbicides for Weed Control in Corn.

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
008	ABUTH	CON %	05/24/2005	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMBTR	CON %	05/24/2005	04	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	05/24/2005	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD	CON %	06/08/2005	01	P	ZEAMD		RAW	ALL	PHY	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	06/08/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ABUTH	CON %	06/08/2005	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	AMBTR	CON %	06/08/2005	04	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	06/08/2005	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	ZEAMD	CON %	06/23/2005	01	P	ZEAMD		RAW	ALL	PHY	%	---	1.00 PL	NO	0001	0	N
017	SETFA	CON %	06/23/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	ABUTH	CON %	06/23/2005	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	AMBTR	CON %	06/23/2005	04	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	CHEAL	CON %	06/23/2005	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	YIELD	BU/A	10/14/2005	01	P	ZEAMD		RAW	ALL	YLD	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = DKC60-18 RR2/YGPL

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED

11 = FIRST LEAF UNFOLDED

12 = 2 LEAVES UNFOLDED