

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV. CROP: GLXMA - SOYBEAN
%RESIDUE: 0
PLOT WIDTH: 7.5 X 36 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	10	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	04/28/05	05/13/05	AME
AIR TEMPERATURE	52	78	F
% REL. HUMIDITY	40	45	
WIND DIRECTION	SOUTHWEST	SOUTH	
WIND SPEED	7.0	10.0	M/H
CLOUD COVER	CLOUDY	CLEAR	
DEW	---	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	---	---	
DN/SG/MMZ			
*** CROP ***			
CORN, DENT		---/11	
PIONEER 33P67		3.00/3.00	IN
04/28/2005			
*** PEST ***			
VELVETLEAF		---/10	
		0.50/0.50	IN
RAGWEED, COMMON		---/11	
		1.00/2.00	IN
LAMBSQUARTERS, C		---/11	
		0.50/0.50	IN
MORNINGGLORY, TA		---/10	
		1.00/1.00	IN
SMARTWEED, PENNS		---/12	
		0.50/0.50	IN
FOXTAIL, GIANT		---/11	
		1.00/2.00	IN

* TIMING CODES

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

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
11 = FIRST LEAF UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Lexar and Corn Herbicides for Weed Control in Corn. C-500
CREATED: 04/14/2005 **REVISED:** 11/03/2005 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 36.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	AMBEL	POLPY	ABUTH
		RATE	UNIT		CON % 05/13/05	CON % 05/13/05	CON % 05/13/05	CON % 05/13/05	CON % 05/13/05	CON % 05/13/05
1A	»LEXAR 3.7L	2.76	LAA	9	0	53	86	65	94	72
2A	»LEXAR 3.7L	3.23	LAA	9	0	62	91	63	98	70
3A	BICEP II MAG	3.56	LAA	9	0	73	97	73	99	60
4A	»LUMAX 3.9L	2.94	LAA	9	0	40	91	63	94	70
5A	»LEXAR 3.7L	2.76	LAA	9	0	60	98	63	96	60
	B PRINCEP 4L	1.00	LAA	9						
6A	»GUARDS MAX 5L	2.87	LAA	9	0	67	99	77	98	50
7A	HARNESS XTRA	3.65	LAA	9	0	53	97	70	96	57
8A	»RADIUS 4SC	0.63	LAA	9	0	62	97	77	97	70
9A	KEYSTONE 5.25	3.41	LAA	9	0	65	98	85	98	79
10A	KEYSTONE 5.25	3.41	LAA	9	0	62	98	83	97	82
	B HORNET 68.5WG	0.171	LAA	9						
11A	»GUARDS MAX 5L	2.50	LAA	9	0	62	97	83	98	79
	B BALANCE PRO 4	0.07	LAA	9						
12A	CHECK	0.00	NA	0	0	0	0	0	0	0
13A	»LEXAR 3.7L	1.62	LAA	9	0	50	96	67	98	67
	B»LEXAR 3.7L	1.62	LAA	10						
	C»ACTIVATOR 90	0.25	PMV	10						
14A	»GUARDS MAX 5L	2.50	LAA	9	0	40	88	63	96	53
	B MARKSMAN SC	1.20	LAA	10						
	C»ACTIVATOR 90	0.25	PMV	10						
15A	»LEXAR 3.7L	2.76	LAA	10	0					
	B»ACTIVATOR 90	0.25	PMV	10						
16A	BICEP II MAG	2.88	LAA	10	0					
	B»COC	1.00	PMV	10						
		LSD (0.05)			0.00	13.24	8.95	11.83	4.40	13.00
		STANDARD DEVIATION			0.00	6.44	4.35	5.75	2.14	6.32

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 36.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	POLPY	AMBEL	ZEAMD	SETFA	PHBPU	ABUTH	
		RATE	UNIT		CON % 06/01/05	CON % 06/01/05	CON % 07/07/05	CON % 07/07/05	CON % 07/07/05	CON % 07/07/05	
1A	»LEXAR 3.7L	2.76	LAA	9	98	50	0	35	58	78	
2A	»LEXAR 3.7L	3.23	LAA	9	99	55	0	62	67	93	
3A	BICEP II MAG	3.56	LAA	9	99	48	0	68	38	93	
4A	»LUMAX 3.9L	2.94	LAA	9	99	43	0	68	48	95	
5A	»LEXAR 3.7L	2.76	LAA	9	99	68	0	33	58	67	
	B PRINCEP 4L	1.00	LAA	9							
6A	»GUARDS MAX 5L	2.87	LAA	9	99	67	0	63	55	70	
7A	HARNESS XTRA	3.65	LAA	9	99	50	0	65	50	57	
8A	»RADIUS 4SC	0.63	LAA	9	99	72	0	60	38	92	
9A	KEYSTONE 5.25	3.41	LAA	9	99	65	0	65	65	85	
10A	KEYSTONE 5.25	3.41	LAA	9	99	75	0	63	47	52	
	B HORNET 68.5WG	0.171	LAA	9							
11A	»GUARDS MAX 5L	2.50	LAA	9	99	88	0	77	65	70	
	B BALANCE PRO 4	0.07	LAA	9							
12A	CHECK	0.00	NA	0	0	0	0	0	0	0	
13A	»LEXAR 3.7L	1.62	LAA	9	99	70	0	78	70	93	
	B»LEXAR 3.7L	1.62	LAA	10							
	C»ACTIVATOR 90	0.25	PMV	10							
14A	»GUARDS MAX 5L	2.50	LAA	9	99	92	0	78	95	95	
	B MARKSMAN SC	1.20	LAA	10							
	C»ACTIVATOR 90	0.25	PMV	10							
15A	»LEXAR 3.7L	2.76	LAA	10	99	90	0	67	50	93	
	B»ACTIVATOR 90	0.25	PMV	10							
16A	BICEP II MAG	2.88	LAA	10	99	87	0	73	33	93	
	B»COC	1.00	PMV	10							
					LSD (0.05)	1.00	15.89	0.00	12.90	18.69	16.87
					STANDARD DEVIATION	0.471	7.78	0.00	6.32	9.15	8.26

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 36.00 FT LONG **REPS:** 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE UNIT	CHEAL CON % 07/07/05	POLPY CON % 07/07/05	AMBEL CON % 07/07/05	YIELD BU/A 10/05/05
1A»LEXAR 3.7L	2.76 LAA 9	95	99	48	65.1
2A»LEXAR 3.7L	3.23 LAA 9	95	99	58	78.1
3A BICEP II MAG	3.56 LAA 9	95	99	53	70.4
4A»LUMAX 3.9L	2.94 LAA 9	95	99	52	104.8
5A»LEXAR 3.7L	2.76 LAA 9	95	99	50	87.4
B PRINCEP 4L	1.00 LAA 9				
6A»GUARDS MAX 5L	2.87 LAA 9	95	99	60	75.0
7A HARNESS XTRA	3.65 LAA 9	95	99	33	72.1
8A»RADIUS 4SC	0.63 LAA 9	87	99	68	62.9
9A KEYSTONE 5.25	3.41 LAA 9	95	99	53	86.6
10A KEYSTONE 5.25	3.41 LAA 9	95	99	50	84.3
B HORNET 68.5WG	0.171 LAA 9				
11A»GUARDS MAX 5L	2.50 LAA 9	95	99	93	75.9
B BALANCE PRO 4	0.07 LAA 9				
12A CHECK	0.00 NA 0	0	0	0	21.3
13A»LEXAR 3.7L	1.62 LAA 9	95	99	93	96.4
B»LEXAR 3.7L	1.62 LAA 10				
C»ACTIVATOR 90	0.25 PMV 10				
14A»GUARDS MAX 5L	2.50 LAA 9	95	99	95	115.7
B MARKSMAN SC	1.20 LAA 10				
C»ACTIVATOR 90	0.25 PMV 10				
15A»LEXAR 3.7L	2.76 LAA 10	95	99	87	97.3
B»ACTIVATOR 90	0.25 PMV 10				
16A BICEP II MAG	2.88 LAA 10	95	99	88	87.9
B»COC	1.00 PMV 10				
	LSD (0.05)	4.34	0.00	22.00	19.00
	STANDARD DEVIATION	2.12	0.00	10.80	9.32

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 04/28/2005(1)
 10 = ----- / VEPOST 05/13/2005(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 %	05/13/2005	01	P	ZEAMD	11	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/13/2005	02	P	SETFA	11	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL	CON %	05/13/2005	05	P	CHEAL	11	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	AMBEL	CON %	05/13/2005	07	P	AMBEL	11	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	POLPY	CON %	05/13/2005	06	P	POLPY	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	05/13/2005	04	P	ABUTH	10	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	PHBPU	CON %	05/13/2005	03	P	PHBPU	10	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	06/01/2005	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	06/01/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	06/01/2005	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/01/2005	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	CHEAL	CON %	06/01/2005	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	POLPY	CON %	06/01/2005	06	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
014	AMBEL	CON %	06/01/2005	07	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	ZEAMD	CON %	07/07/2005	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	07/07/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	PHBPU	CON %	07/07/2005	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	ABUTH	CON %	07/07/2005	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	CHEAL	CON %	07/07/2005	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	POLPY	CON %	07/07/2005	06	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	AMBEL	CON %	07/07/2005	07	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	YIELD	BU/A	10/05/2005	01	P	ZEAMD		RAW	ALL	YLD	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 33P67

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED

11 = FIRST LEAF UNFOLDED

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED