

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	12	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	04/26/05	06/01/05	AME
AIR TEMPERATURE	48	82	F
% REL.HUMIDITY	60	27	
WIND DIRECTION	NORTHWEST	EAST	
WIND SPEED	15.0	13.0	M/H
CLOUD COVER	CLOUDY	PARTCLDY	
DEW	NA/UNKNOW	NA/UNKNOW	
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/14 1.00/1.50	IN
RAGWEED, GIANT	HGH/01 /	MED/19 2.50/4.00	IN
LAMBSQUARTERS, C	MED/01 /	MED/17 0.50/1.00	IN
SMARTWEED, PENNS	LOW/01 /	LOW/15 1.00/2.00	IN
FOXTAIL, GIANT	MED/01 /	MED/13 1.50/2.00	IN
CORN, DENT PIONEER 34N42 LL 04/26/2005	HGH/00 /	HGH/14 4.00/7.00	IN

\* TIMING CODES

09 = ----- / PREEMERGENCE  
 12 = ----- / POST

\* STAGE CODE

00 = DRY SEED (CARYOPSIS)  
 01 = BEGINNING OF IMIBITION  
 13 = 3 LEAVES UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** KIH-485 Preemergence For Weed Control in Liberty-Link Corn.  
**CREATED:** 04/22/2005 **REVISED:** 11/22/2005 **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	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 % 05/24/05	CON % 06/15/05
1A	KIH-485 60WG	0.15	LAA	9	88	82	91	96	0	
2A	KIH-485 60WG	0.19	LAA	9	96	92	97	97	0	
3A	DUAL II MAGNUM	1.59	LAA	9	93	87	96	93	0	
4A	CHECK	0.00	NA	0	0	0	0	0	0	0
5A	KIH-485 60WG	0.22	LAA	9	98	93	88	98	0	
6A	KIH-485 60WG	0.37	LAA	9	96	97	89	96	0	
7A	HARNESS (7EC)	1.55	LAA	9	98	95	96	95	0	
8A	HARNESS (7EC)	2.00	LAA	9	98	92	96	96	0	
9A	KIH ATZ-B 57.8	1.38	LAA	9	99	96	92	98	0	
10A	BICEP II MAGNU	2.88	LAA	9	97	68	93	98	0	
11A	LEXAR 3.7L	3.23	LAA	9	98	99	97	99	0	
12A	RADIUS 4SC	0.75	LAA	9	99	99	97	99	0	
13A	KIH-485 60WG	0.15	LAA	9	90	88	93	91	0	98
	B>>AE F039866 1.6	0.42	LAA	12						
	C>>LIQUID AMS	5.00	PMV	12						
14A	KIH-485 60WG	0.15	LAA	12						96
	B>>AE F039866 1.6	0.42	LAA	12						
	C>>LIQUID AMS	5.00	PMV	12						
15A	AE F039866 1.6	0.27	LAA	12						93
	B CALLISTO 4SC	0.094	LAA	12						
	C>>LIQUID AMS	5.00	PMV	12						
16A	AE F039866 1.6	0.27	LAA	12						97
	B>>IMPACT 2.8SC	0.016	LAA	12						
	C>>LIQUID AMS	5.00	PMV	12						
17A	AE F039866 1.6	0.42	LAA	12						91
	B ATRAZINE DF	0.50	LAA	12						
	C>>LIQUID AMS	5.00	PMV	12						
18A	AE F039866 1.6	0.42	LAA	12						99
	B>>LIQUID AMS	5.00	PMV	12						
		LSD (0.05)			3.74	13.15	8.33	5.52	0.00	4.67
		STANDARD DEVIATION			1.81	6.37	4.00	2.68	0.00	2.14



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**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	ABUTH	AMBTR	CHEAL	POLPY	ZEAMD	SETFA
		RATE	UNIT		CON % 06/23/05	CON % 06/23/05	CON % 06/23/05	CON % 06/23/05	CON % 06/23/05	CON % 06/30/05
1A	KIH-485 60WG	0.15	LAA	9	79	55	47	27	0	
2A	KIH-485 60WG	0.19	LAA	9	95	93	88	33	0	
3A	DUAL II MAGNUM	1.59	LAA	9	43	82	30	30	0	
4A	CHECK	0.00	NA	0	0	0	0	0	0	0
5A	KIH-485 60WG	0.22	LAA	9	57	50	50	55	0	
6A	KIH-485 60WG	0.37	LAA	9	88	60	83	68	0	
7A	HARNESS (7EC)	1.55	LAA	9	62	67	40	40	0	
8A	HARNESS (7EC)	2.00	LAA	9	65	81	70	58	0	
9A	KIH ATZ-B 57.8	1.38	LAA	9	85	85	97	93	0	
10A	BICEP II MAGNU	2.88	LAA	9	47	68	85	57	0	
11A	LEXAR 3.7L	3.23	LAA	9	99	97	99	95	0	
12A	RADIUS 4SC	0.75	LAA	9	99	98	99	95	0	
13A	KIH-485 60WG	0.15	LAA	9						95
	B>>AE F039866 1.6	0.42	LAA	12						
	C>>LIQUID AMS	5.00	PMV	12						
14A	KIH-485 60WG	0.15	LAA	12						93
	B>>AE F039866 1.6	0.42	LAA	12						
	C>>LIQUID AMS	5.00	PMV	12						
15A	AE F039866 1.6	0.27	LAA	12						84
	B CALLISTO 4SC	0.094	LAA	12						
	C>>LIQUID AMS	5.00	PMV	12						
16A	AE F039866 1.6	0.27	LAA	12						86
	B>>IMPACT 2.8SC	0.016	LAA	12						
	C>>LIQUID AMS	5.00	PMV	12						
17A	AE F039866 1.6	0.42	LAA	12						85
	B ATRAZINE DF	0.50	LAA	12						
	C>>LIQUID AMS	5.00	PMV	12						
18A	AE F039866 1.6	0.42	LAA	12						92
	B>>LIQUID AMS	5.00	PMV	12						
		LSD (0.05)			19.46	25.25	22.52	16.53	0.00	12.45
		STANDARD DEVIATION			9.38	12.17	10.86	8.00	0.00	5.71

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 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 TREATMENT	DOSAGE	ABUTH	AMBTR	CHEAL	POLPY	ZEAMD	BUSHEL
NUM COMPONENT	RATE UNIT TM	CON % 06/30/05	CON % 06/30/05	CON % 06/30/05	CON % 06/30/05	CON % 06/30/05	ACRE 10/14/05
1A»KIH-485 60WG	0.15 LAA 9						121.13
2A»KIH-485 60WG	0.19 LAA 9						161.32
3A»DUAL II MAGNUM	1.59 LAA 9						155.50
4A CHECK	0.00 NA 0	0	0	0	0	0	87.04
5A»KIH-485 60WG	0.22 LAA 9						115.50
6A»KIH-485 60WG	0.37 LAA 9						143.05
7A HARNESS (7EC)	1.55 LAA 9						133.47
8A HARNESS (7EC)	2.00 LAA 9						162.90
9A»KIH ATZ-B 57.8	1.38 LAA 9						149.32
10A»BICEP II MAGNU	2.88 LAA 9						149.06
11A»LEXAR 3.7L	3.23 LAA 9						189.48
12A»RADIUS 4SC	0.75 LAA 9						207.07
13A»KIH-485 60WG	0.15 LAA 9	97	96	62	96	0	183.81
B»AE F039866 1.6	0.42 LAA 12						
C»LIQUID AMS	5.00 PMV 12						
14A»KIH-485 60WG	0.15 LAA 12	94	97	83	99	0	203.76
B»AE F039866 1.6	0.42 LAA 12						
C»LIQUID AMS	5.00 PMV 12						
15A»AE F039866 1.6	0.27 LAA 12	98	98	99	99	0	203.07
B CALLISTO 4SC	0.094 LAA 12						
C»LIQUID AMS	5.00 PMV 12						
16A»AE F039866 1.6	0.27 LAA 12	95	94	88	99	0	191.72
B»IMPACT 2.8SC	0.016 LAA 12						
C»LIQUID AMS	5.00 PMV 12						
17A»AE F039866 1.6	0.42 LAA 12	96	94	86	99	0	203.75
B ATRAZINE DF	0.50 LAA 12						
C»LIQUID AMS	5.00 PMV 12						
18A»AE F039866 1.6	0.42 LAA 12	93	98	43	82	0	196.71
B»LIQUID AMS	5.00 PMV 12						
LSD (0.05)		4.58	6.54	21.17	13.31	0.00	48.75
STANDARD DEVIATION		2.10	3.00	9.72	6.11	0.00	24.12

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 09 = ----- / PREEMERGENCE 04/26/2005 (1)  
 12 = ----- / POST 06/01/2005 (2)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	SETFA	CON %	05/24/2005	01	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ABUTH	CON %	05/24/2005	02	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMBTR	CON %	05/24/2005	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	05/24/2005	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ZEAMD	CON %	05/24/2005	06	P	ZEAMD		RAW	ALL	PHY	%	---	1.00 PL	NO	0001	0	N
006	SETFA	CON %	06/15/2005	01	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ABUTH	CON %	06/15/2005	02	P	ABUTH		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
008	AMBTR	CON %	06/15/2005	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	06/15/2005	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	POLPY	CON %	06/15/2005	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD	CON %	06/15/2005	06	P	ZEAMD		RAW	ALL	PHY	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	06/23/2005	01	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ABUTH	CON %	06/23/2005	02	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	AMBTR	CON %	06/23/2005	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	06/23/2005	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	POLPY	CON %	06/23/2005	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ZEAMD	CON %	06/23/2005	06	P	ZEAMD		RAW	ALL	PHY	%	---	1.00 PL	NO	0001	0	N
018	SETFA	CON %	06/30/2005	01	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ABUTH	CON %	06/30/2005	02	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	AMBTR	CON %	06/30/2005	03	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	CHEAL	CON %	06/30/2005	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	POLPY	CON %	06/30/2005	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	ZEAMD	CON %	06/30/2005	06	P	ZEAMD		RAW	ALL	PHY	%	---	1.00 PL	NO	0001	0	N
024	BUSHEL	ACRE	10/14/2005	06	P	ZEAMD		RAW	ALL	YLD	BU	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

06 = PIONEER 34N42 LL