

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	12	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	04/28/06	06/05/06	AME
AIR TEMPERATURE	72	80	F
% REL. HUMIDITY	26	35	
WIND DIRECTION	SOUTHEAST	NORTHEAST	
WIND SPEED	6.0	1.0	M/H
CLOUD COVER	CLEAR	CLEAR	
DEW	NO	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		---/16	
ASGROW 752RR		12.0/14.0	IN
04/27/2006			
*** PEST ***			
VELVETLEAF		---/16	
		2.00/8.00	IN
WATERHEMP, COMMO		---/19	
		2.00/6.00	IN
RAGWEED, COMMON		---/15	
		2.00/6.00	IN
LAMBSQUARTERS, C		---/19	
		2.00/6.00	IN
MORNINGGLORY, TA		---/17	
		1.00/4.00	IN
SMARTWEED, PENNS		---/19	
		2.00/6.00	IN
FOXTAIL, GIANT		---/15	
		2.00/6.00	IN

* TIMING CODES

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

* STAGE CODE

15 = 5 LEAVES UNFOLDED
16 = 6 LEAVES UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: KIH-485 Mixtures for Weed Control in Glyphosate-Resistant Corn. C-500
CREATED: 04/19/2006 **REVISED:** 08/07/2006 **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	AMATA	POLPY	AMBEL
		RATE	UNIT		CON % 06/01/06	CON % 06/01/06	CON % 06/01/06	CON % 06/01/06	CON % 06/01/06	CON % 06/01/06
1A	KIH-485 85WG	0.19	LAA	9	0	84	79	83	75	58
2A	KIH-485 85WG	0.37	LAA	9	0	96	93	96	88	83
3A	KIH-485 85WG	0.19	LAA	9	0	97	98	99	97	99
	B BALANCE PRO 4	0.07	LAA	9						
4A	KIH-485 85WG	0.19	LAA	9	0	95	98	99	98	98
	B BALANCE PRO 4	0.053	LAA	9						
5A	KIH-485 85WG	0.19	LAA	9	0	89	92	94	86	83
	B HORNET 68.5WG	0.07	LAA	9						
6A	KIH-485 85WG	0.19	LAA	9	0	90	95	95	90	92
	B HORNET 68.5WG	0.07	LAA	9						
	C>IMPACT 2.8SC	0.016	LAA	12						
	D ATRAZINE DF	0.50	LAA	12						
	E>MSO	1.00	PMV	12						
	F 28% UAN	2.50	PMV	12						
7A	KIH-485 85WG	0.19	LAA	9	0	94	99	99	99	98
	B CALLISTO 4SC	0.168	LAA	9						
	C ATRAZINE DF	0.62	LAA	9						
8A	KIH-485 85WG	0.19	LAA	9	0	93	96	95	96	85
	B CALLISTO 4SC	0.126	LAA	9						
	C ATRAZINE DF	0.47	LAA	9						
9A	LUMAX	2.47	LAA	9	0	96	99	99	99	98
10A	BALANCE PRO 4	0.07	LAA	9	0	79	88	88	93	93
11A	HORNET 68.5WG	0.07	LAA	9	0	0	83	20	85	79
12A	KIH-485 85WG	0.19	LAA	9	0	83	78	83	75	52
	B>WEATHERMAX 4.5	0.78	LAA	12						
	C>LIQUID AMS	2.50	PMV	12						
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A	KIH-485 85WG	0.094	LAA	9	0	67	68	71	68	40
	B>WEATHERMAX 4.5	0.78	LAA	12						
	C>LIQUID AMS	2.50	PMV	12						
15A	KIH-485 85WG	0.14	LAA	9	0	77	68	73	70	52
	B>WEATHERMAX 4.5	0.78	LAA	12						
	C>LIQUID AMS	2.50	PMV	12						
16A	KIH-485 85WG	0.14	LAA	12	0					
	B>WEATHERMAX 4.5	0.78	LAA	12						
	C>LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			0.00	9.27	9.79	12.57	9.10	11.62
		STANDARD DEVIATION			0.00	4.53	4.78	6.14	4.44	5.67

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PLOT SIZE: 7.50 FT WIDE X 36.00 FT LONG **REPS:** 03

TRT	TREATMENT	DOSAGE		ABUTH	PHBPU	ZEAMD	SETFA	CHEAL	AMATA
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %	CON %	CON %
			TM	06/01/06	06/01/06	06/14/06	06/14/06	06/14/06	06/14/06
1A»	KIH-485 85WG	0.19	LAA 9	40	47	0			
2A»	KIH-485 85WG	0.37	LAA 9	68	68	0			
3A»	KIH-485 85WG	0.19	LAA 9	99	88	0			
	B BALANCE PRO 4	0.07	LAA 9						
4A»	KIH-485 85WG	0.19	LAA 9	98	80	0			
	B BALANCE PRO 4	0.053	LAA 9						
5A»	KIH-485 85WG	0.19	LAA 9	82	75	0			
	B HORNET 68.5WG	0.07	LAA 9						
6A»	KIH-485 85WG	0.19	LAA 9	88	82	0	99	99	99
	B HORNET 68.5WG	0.07	LAA 9						
	C»IMPACT 2.8SC	0.016	LAA 12						
	D ATRAZINE DF	0.50	LAA 12						
	E»MSO	1.00	PMV 12						
	F 28% UAN	2.50	PMV 12						
7A»	KIH-485 85WG	0.19	LAA 9	99	93	0			
	B CALLISTO 4SC	0.168	LAA 9						
	C ATRAZINE DF	0.62	LAA 9						
8A»	KIH-485 85WG	0.19	LAA 9	98	84	0			
	B CALLISTO 4SC	0.126	LAA 9						
	C ATRAZINE DF	0.47	LAA 9						
9A	LUMAX	2.47	LAA 9	99	94	0			
10A	BALANCE PRO 4	0.07	LAA 9	98	67	0			
11A	HORNET 68.5WG	0.07	LAA 9	75	40	0			
12A»	KIH-485 85WG	0.19	LAA 9	33	60	0	98	97	99
	B»WEATHERMAX 4.5	0.78	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
13A	CHECK	0.00	NA 0	0	0	0			
14A»	KIH-485 85WG	0.094	LAA 9	22	33	0	99	90	99
	B»WEATHERMAX 4.5	0.78	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
15A»	KIH-485 85WG	0.14	LAA 9	33	33	0	99	99	98
	B»WEATHERMAX 4.5	0.78	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
16A»	KIH-485 85WG	0.14	LAA 12			8	99	99	99
	B»WEATHERMAX 4.5	0.78	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
		LSD (0.05)		12.49	13.73	1.20	0.643	4.33	1.17
		STANDARD DEVIATION		6.10	6.70	0.589	0.279	1.88	0.506

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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	TREATMENT	DOSAGE		POLPY	AMBEL	ABUTH	PHBPU	ZEAMD	SETFA
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %	CON %	CON %
			TM	06/14/06	06/14/06	06/14/06	06/14/06	07/03/06	07/03/06
1A	KIH-485 85WG	0.19	LAA 9					0	84
2A	KIH-485 85WG	0.37	LAA 9					0	91
3A	KIH-485 85WG	0.19	LAA 9					0	93
	B BALANCE PRO 4	0.07	LAA 9						
4A	KIH-485 85WG	0.19	LAA 9					0	89
	B BALANCE PRO 4	0.053	LAA 9						
5A	KIH-485 85WG	0.19	LAA 9					0	81
	B HORNET 68.5WG	0.07	LAA 9						
6A	KIH-485 85WG	0.19	LAA 9	98	97	99	98	0	97
	B HORNET 68.5WG	0.07	LAA 9						
	C>IMPACT 2.8SC	0.016	LAA 12						
	D ATRAZINE DF	0.50	LAA 12						
	E>MSO	1.00	PMV 12						
	F 28% UAN	2.50	PMV 12						
7A	KIH-485 85WG	0.19	LAA 9					0	79
	B CALLISTO 4SC	0.168	LAA 9						
	C ATRAZINE DF	0.62	LAA 9						
8A	KIH-485 85WG	0.19	LAA 9					0	86
	B CALLISTO 4SC	0.126	LAA 9						
	C ATRAZINE DF	0.47	LAA 9						
9A	LUMAX	2.47	LAA 9					0	84
10A	BALANCE PRO 4	0.07	LAA 9					0	55
11A	HORNET 68.5WG	0.07	LAA 9					0	0
12A	KIH-485 85WG	0.19	LAA 9	96	99	99	96	0	98
	B>WEATHERMAX 4.5	0.78	LAA 12						
	C>LIQUID AMS	2.50	PMV 12						
13A	CHECK	0.00	NA 0					0	0
14A	KIH-485 85WG	0.094	LAA 9	96	98	99	97	0	98
	B>WEATHERMAX 4.5	0.78	LAA 12						
	C>LIQUID AMS	2.50	PMV 12						
15A	KIH-485 85WG	0.14	LAA 9	99	99	99	97	0	98
	B>WEATHERMAX 4.5	0.78	LAA 12						
	C>LIQUID AMS	2.50	PMV 12						
16A	KIH-485 85WG	0.14	LAA 12	98	98	99	98	0	98
	B>WEATHERMAX 4.5	0.78	LAA 12						
	C>LIQUID AMS	2.50	PMV 12						
		LSD (0.05)		2.23	2.00	0.486	1.91	0.00	5.24
		STANDARD DEVIATION		1.00	0.869	0.211	0.83	0.00	2.57

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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	TREATMENT	DOSAGE		CHEAL	AMATA	POLPY	AMBEL	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %	CON %	CON %
			TM	07/03/06	07/03/06	07/03/06	07/03/06	07/03/06	07/03/06
1A	KIH-485 85WG	0.19	LAA 9	67	60	47	37	30	23
2A	KIH-485 85WG	0.37	LAA 9	75	84	65	62	40	40
3A	KIH-485 85WG	0.19	LAA 9	96	95	93	95	96	82
	B BALANCE PRO 4	0.07	LAA 9						
4A	KIH-485 85WG	0.19	LAA 9	93	95	92	93	99	73
	B BALANCE PRO 4	0.053	LAA 9						
5A	KIH-485 85WG	0.19	LAA 9	78	84	72	67	65	57
	B HORNET 68.5WG	0.07	LAA 9						
6A	KIH-485 85WG	0.19	LAA 9	98	99	98	99	98	98
	B HORNET 68.5WG	0.07	LAA 9						
	C>IMPACT 2.8SC	0.016	LAA 12						
	D ATRAZINE DF	0.50	LAA 12						
	E>MSO	1.00	PMV 12						
	F 28% UAN	2.50	PMV 12						
7A	KIH-485 85WG	0.19	LAA 9	99	98	86	83	97	90
	B CALLISTO 4SC	0.168	LAA 9						
	C ATRAZINE DF	0.62	LAA 9						
8A	KIH-485 85WG	0.19	LAA 9	94	93	81	72	93	74
	B CALLISTO 4SC	0.126	LAA 9						
	C ATRAZINE DF	0.47	LAA 9						
9A	LUMAX	2.47	LAA 9	99	99	98	97	98	83
10A	BALANCE PRO 4	0.07	LAA 9	79	78	65	58	88	50
11A	HORNET 68.5WG	0.07	LAA 9	68	0	70	60	57	33
12A	KIH-485 85WG	0.19	LAA 9	99	99	93	97	97	96
	B>WEATHERMAX 4.5	0.78	LAA 12						
	C>LIQUID AMS	2.50	PMV 12						
13A	CHECK	0.00	NA 0	0	0	0	0	0	0
14A	KIH-485 85WG	0.094	LAA 9	96	99	98	97	99	97
	B>WEATHERMAX 4.5	0.78	LAA 12						
	C>LIQUID AMS	2.50	PMV 12						
15A	KIH-485 85WG	0.14	LAA 9	97	99	99	98	99	97
	B>WEATHERMAX 4.5	0.78	LAA 12						
	C>LIQUID AMS	2.50	PMV 12						
16A	KIH-485 85WG	0.14	LAA 12	99	99	99	99	98	97
	B>WEATHERMAX 4.5	0.78	LAA 12						
	C>LIQUID AMS	2.50	PMV 12						
		LSD (0.05)		7.08	6.63	9.60	12.61	6.69	8.55
		STANDARD DEVIATION		3.47	3.25	4.70	6.18	3.27	4.19

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 04/28/2006(1)
 12 = ----- / POST 06/05/2006(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 %	06/01/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/01/2006	02	P	SETFA		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
003	CHEAL	CON %	06/01/2006	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/01/2006	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	POLPY	CON %	06/01/2006	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMBEL	CON %	06/01/2006	06	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ABUTH	CON %	06/01/2006	07	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	PHBPU	CON %	06/01/2006	08	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ZEAMD	CON %	06/14/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	SETFA	CON %	06/14/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	CHEAL	CON %	06/14/2006	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	AMATA	CON %	06/14/2006	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	POLPY	CON %	06/14/2006	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	AMBEL	CON %	06/14/2006	06	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	ABUTH	CON %	06/14/2006	07	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	PHBPU	CON %	06/14/2006	08	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ZEAMD	CON %	07/03/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	SETFA	CON %	07/03/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	CHEAL	CON %	07/03/2006	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	AMATA	CON %	07/03/2006	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	POLPY	CON %	07/03/2006	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	AMBEL	CON %	07/03/2006	06	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	ABUTH	CON %	07/03/2006	07	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	PHBPU	CON %	07/03/2006	08	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 752RR