

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
PLOT AREA: 270 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	04/24/07	05/16/07	05/25/07	AME
AIR TEMPERATURE	60	78	79	F
% REL.HUMIDITY	58	32	52	
WIND DIRECTION	EAST	NORTHWEST	EAST	
WIND SPEED	8.0	10.0	3.0	M/H
CLOUD COVER	CLEAR	CLEAR	CLOUDY	
DEW	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SCREEN SIZE				
SCREEN SZ DESC	NA	NA	NA	
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
SCREEN SIZE	GPA	GPA	GPA	
PRESSURE	30.00	42.00	42.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT	---	---	---	
DEN/ STG/ MINMAXSZ				
*** CROP ***				
CORN, DENT		---/13	---/15	
PIONEER P33N12		6.00/6.00	12.0/12.0	IN
04/24/2007				
*** PEST ***				
VELVETLEAF		---/12	---/15	
		1.00/2.00	4.00/6.00	IN
RAGWEED, COMMON		---/12	---/14	
		1.00/2.00	4.00/6.00	IN
LAMBSQUARTERS, C		---/17	---/19	
		1.00/1.00	1.00/3.00	IN
MORNINGGLORY, TA		---/12	---/16	
		1.00/1.00	1.00/3.00	IN
FOXTAIL, GIANT		---/12	---/15	
		2.00/4.00	4.00/8.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
11 = ----- / EPOST
12 = ----- / POST

* STAGE CODE

12 = 2 LEAVES UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5 LEAVES UNFOLDED
15 = 5 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

* STAGE CODE

19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: KIH-485 Combinations for Weed Control in Glyphosate-Resistant Corn. C-500
CREATED: 04/12/2007 **REVISED:** 07/20/2007 **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
PLOT AREA: 270.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	AMBEL	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 05/16/07	CON % 05/16/07	CON % 05/16/07	CON % 05/16/07	CON % 05/16/07	CON % 05/16/07
1A»	KIH-485 85WG	0.074	LAA	9	0	22	0	0	0	0
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
2A»	KIH-485 85WG	0.094	LAA	9	0	22	0	0	0	0
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
3A»	KIH-485 85WG	0.134	LAA	9	0	32	23	0	0	0
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
4A»	KIH-485 85WG	0.16	LAA	9	0	45	30	0	0	23
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
6A»	KIH-485 85WG	0.19	LAA	9	0	50	53	40	33	48
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
7A»	KIH-485 85WG	0.22	LAA	9	0	55	73	55	52	58
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
8A»	KIH-485 85WG	0.074	LAA	9	0	27	0	0	0	0
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
9A»	KIH-485 85WG	0.094	LAA	9	0	35	0	0	0	0
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
10A»	KIH-485 85WG	0.134	LAA	9	0	45	27	0	0	0
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
11A»	KIH-485 85WG	0.16	LAA	9	0	43	27	23	0	0
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
12A»	KIH-485 85WG	0.19	LAA	9	0	53	53	40	30	48
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
13A»	KIH-485 85WG	0.22	LAA	9	0	57	78	60	55	55
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
14A	DUAL II MAGNUM	1.67	LAA	9	0	67	73	38	0	0
	B CALLISTO 4SC	0.094	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						

TITLE: KIH-485 Combinations for Weed Control in Glyphosate-Resistant Corn. C-500

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	AMBEL	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 05/16/07	CON % 05/16/07	CON % 05/16/07	CON % 05/16/07	CON % 05/16/07	CON % 05/16/07
15A	DUAL II MAGNUM	1.67	LAA	9	0	58	67	30	0	0
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
16A»	KIH-485 85WG	0.19	LAA	9	0	50	40	33	23	45
	B ATRAZINE DF	0.62	LAA	9						
17A»	LEXAR 3.7L	2.77	LAA	9	0	68	95	88	93	85
18A	HARNESS XTRA	1.75	LAA	9	0	82	97	84	50	60
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
		LSD (0.05)			0.00	7.65	8.91	11.69	6.41	8.00
		STANDARD DEVIATION			0.00	3.78	4.41	5.78	3.17	4.00

TITLE: KIH-485 Combinations for Weed Control in Glyphosate-Resistant Corn. C-500
CREATED: 04/12/2007 **REVISED:** 07/20/2007 **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
PLOT AREA: 270.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	AMBEL	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 05/25/07	CON % 05/25/07	CON % 05/25/07	CON % 05/25/07	CON % 05/25/07	CON % 05/25/07
1A»	KIH-485 85WG	0.074	LAA	9	0	22	0	0	0	0
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
2A»	KIH-485 85WG	0.094	LAA	9	0	32	0	0	0	0
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
3A»	KIH-485 85WG	0.134	LAA	9	0	45	0	0	0	0
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
4A»	KIH-485 85WG	0.16	LAA	9	0	40	0	0	0	0
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
6A»	KIH-485 85WG	0.19	LAA	9	0	45	45	0	0	0
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
7A»	KIH-485 85WG	0.22	LAA	9	0	53	67	0	0	0
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
8A»	KIH-485 85WG	0.074	LAA	9	0	96	99	99	99	95
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
9A»	KIH-485 85WG	0.094	LAA	9	0	95	99	99	99	96
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
10A»	KIH-485 85WG	0.134	LAA	9	0	95	99	99	99	87
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
11A»	KIH-485 85WG	0.16	LAA	9	0	97	99	99	99	92
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
12A»	KIH-485 85WG	0.19	LAA	9	0	96	99	99	99	93
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
13A»	KIH-485 85WG	0.22	LAA	9	0	95	99	99	99	93
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
14A	DUAL II MAGNUM	1.67	LAA	9	0	80	99	99	99	98
	B CALLISTO 4SC	0.094	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						

TITLE: KIH-485 Combinations for Weed Control in Glyphosate-Resistant Corn. C-500

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	AMBEL	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 05/25/07	CON % 05/25/07	CON % 05/25/07	CON % 05/25/07	CON % 05/25/07	CON % 05/25/07
15A	DUAL II MAGNUM	1.67	LAA	9	0	96	99	99	99	92
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
16A»	KIH-485 85WG	0.19	LAA	9	0	42	81	45	33	27
	B ATRAZINE DF	0.62	LAA	9						
17A»	LEXAR 3.7L	2.77	LAA	9	0	63	99	93	67	68
18A	HARNESS XTRA	1.75	LAA	9	0	97	99	99	99	93
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
		LSD (0.05)			0.00	6.70	6.60	7.09	6.26	6.00
		STANDARD DEVIATION			0.00	3.31	3.27	3.51	3.10	3.00

TITLE: KIH-485 Combinations for Weed Control in Glyphosate-Resistant Corn. C-500
CREATED: 04/12/2007 **REVISED:** 07/20/2007 **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
PLOT AREA: 270.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	AMBEL	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/22/07	CON % 06/22/07	CON % 06/22/07	CON % 06/22/07	CON % 06/22/07	CON % 06/22/07
1A»	KIH-485 85WG	0.074	LAA	9	0	27	0	0	0	0
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
2A»	KIH-485 85WG	0.094	LAA	9	0	37	0	0	0	0
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
3A»	KIH-485 85WG	0.134	LAA	9	0	48	0	0	0	0
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
4A»	KIH-485 85WG	0.16	LAA	9	0	48	0	0	0	0
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
6A»	KIH-485 85WG	0.19	LAA	9	0	57	0	0	0	0
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
7A»	KIH-485 85WG	0.22	LAA	9	0	58	0	0	0	0
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
8A»	KIH-485 85WG	0.074	LAA	9	0	93	97	96	95	93
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
9A»	KIH-485 85WG	0.094	LAA	9	0	96	99	99	96	96
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
10A»	KIH-485 85WG	0.134	LAA	9	0	97	99	99	98	95
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
11A»	KIH-485 85WG	0.16	LAA	9	0	96	99	98	96	93
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
12A»	KIH-485 85WG	0.19	LAA	9	0	97	99	99	97	97
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
13A»	KIH-485 85WG	0.22	LAA	9	0	96	99	99	98	95
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
14A	DUAL II MAGNUM	1.67	LAA	9	0	57	99	99	99	95
	B CALLISTO 4SC	0.094	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						

TITLE: KIH-485 Combinations for Weed Control in Glyphosate-Resistant Corn. C-500

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	ZEAMD CON %	SETFA CON %	CHEAL CON %	AMBEL CON %	ABUTH CON %	PHBPU CON %
15A	DUAL II MAGNUM	1.67	LAA	9	0	91	99	99	92	89
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
16A»	KIH-485 85WG	0.19	LAA	9	0	63	82	57	47	40
	B ATRAZINE DF	0.62	LAA	9						
17A»	LEXAR 3.7L	2.77	LAA	9	0	57	93	87	75	68
18A	HARNESS XTRA	1.75	LAA	9	0	96	99	96	93	93
	B»WEATHERMAX 4.5	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
	STANDARD DEVIATION	LSD (0.05)			0.00	8.41	2.00	3.73	3.43	4.06
					0.00	4.16	1.00	1.84	1.70	2.00

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 04/24/2007(1)
- 11 = ----- / EPOST 05/16/2007(2)
- 12 = ----- / POST 05/25/2007(3)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
001	ZEAMD	CON %	05/16/2007	01	P	ZEAMD	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/16/2007	02	P	SETFA	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/16/2007	03	P	CHEAL	17	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMBEL	CON %	05/16/2007	04	P	AMBEL	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	05/16/2007	05	P	ABUTH	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	05/16/2007	06	P	PHBPU	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	05/25/2007	01	P	ZEAMD	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	05/25/2007	02	P	SETFA	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	05/25/2007	03	P	CHEAL	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMBEL	CON %	05/25/2007	04	P	AMBEL	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	05/25/2007	05	P	ABUTH	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	05/25/2007	06	P	PHBPU	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD	CON %	06/22/2007	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	06/22/2007	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	06/22/2007	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	AMBEL	CON %	06/22/2007	04	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	06/22/2007	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	06/22/2007	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)
01 = PIONEER P33N12

* STAGE CODE

- 12 = 2 LEAVES UNFOLDED
- 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
- 13 = 3 LEAVES UNFOLDED
- 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
- 15 = 5 LEAVES UNFOLDED
- 15 = 5 LEAVES UNFOLDED
- 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
- 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
- 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
- 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED