

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.6
 %OM: 4.7
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	12	13	14	
TYPE	LIQMIX	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/11/05	06/13/05	06/20/05	06/30/05	AME
AIR TEMPERATURE	81	89	78	88	F
% REL.HUMIDITY	55	52	51	55	
WIND DIRECTION	SOUTHWEST	SOUTH	---	SOUTH	
WIND SPEED	3.0	10.0	0.0	3.0	M/H
CLOUD COVER	PARTCLDY	CLEAR	CLEAR	CLEAR	
DEW	---	NO	NO	YES	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE					AME
INC. START					24H
INC. END					24H
INC. DEPTH					IN
INC. EQUIPMENT	---	---	---	---	
DENSITY /					
*** CROP ***					
SOYBEAN		---/15	---/16	---/18	
A3305RR		6.00/6.00	8.00/8.00	16.0/16.0	IN
05/11/2005					
*** PEST ***					
VELVETLEAF		---/13	---/15	---/18	
		2.00/4.00	2.00/6.00	4.00/10.0	IN
LAMBSQUARTERS, C		---/19	---/19	---/19	
		1.00/3.00	2.00/4.00	3.00/7.00	IN
MORNINGGLORY, TA		---/17	---/19	---/19	
		1.00/3.00	3.00/5.00	4.00/6.00	IN
FOXTAIL, GIANT		---/13	---/14	---/16	
		2.00/6.00	2.00/6.00	4.00/8.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
 12 = ----- / POST
 13 = ----- / LPOST
 14 = ----- / VLPOST

* STAGE CODE

13 = 3 LEAVES UNFOLDED
 14 = 4 LEAVES UNFOLDED
 15 = 5TH LEAF (3RD TRIFOLIATE LEAF) UNFOLDED, 4 NODES
 16 = 6TH LEAF (4TH TRIFOLIATE LEAF) UNFOLDED, 5 NODES
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 18 = 8TH LEAF (6TH TRIFOLIATE LEAF) UNFOLDED, 7 NODES
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: KIH-485 for Weed Control in Gyphosate Resistant Soybean
CREATED: 04/30/2005 **REVISED:** 11/04/2005 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	GLXMA	SETFA	CHEAL	ABUTH	PHBPU
		RATE	UNIT		CON % 06/17/05	CON % 06/23/05	CON % 06/23/05	CON % 06/23/05	CON % 06/23/05	CON % 06/23/05
1A	KIH-485 60WG	0.15	LAA	9	0	0	70	72	50	33
2A	KIH-485 60WG	0.19	LAA	9	0	0	77	78	52	42
3A	KIH-485 60WG	0.28	LAA	9	0	0	89	87	78	50
4A	DUAL II MAGNUM	1.59	LAA	9	0	0	76	72	30	20
5A	DUAL II MAGNUM	3.19	LAA	9	0	0	94	91	35	23
6A	KIH-485 60WG	0.15	LAA	12	6	5	0	23	25	38
	B>>WEATHERMAX 4.5	0.75	LAA	14						
	C>>LIQUID AMS	2.50	PMV	14						
7A	KIH-485 60WG	0.28	LAA	12	6	7	0	23	38	47
	B>>WEATHERMAX 4.5	0.75	LAA	14						
	C>>LIQUID AMS	2.50	PMV	14						
8A	KIH-485 60WG	0.15	LAA	9	0	0	99	99	99	85
	B>>WEATHERMAX 4.5	0.75	LAA	13						
	C>>LIQUID AMS	2.50	PMV	13						
9A	CHECK	0.00	NA	0	0	0	0	0	0	0
10A	KIH-485 60WG	0.15	LAA	9	0	0	99	99	99	85
	B>>VALOR SX 51WDG	0.063	LAA	9						
	C>>WEATHERMAX 4.5	0.75	LAA	13						
	D>>LIQUID AMS	2.50	PMV	13						
11A	KIH-485 60WG	0.15	LAA	12	11	5	99	99	99	97
	B>>WEATHERMAX 4.5	0.75	LAA	12						
	C>>LIQUID AMS	2.50	PMV	12						
12A	DUAL II MAGNUM	1.59	LAA	12	13	10	99	99	99	93
	B>>WEATHERMAX 4.5	0.75	LAA	12						
	C>>LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			1.77	0.847	6.55	9.14	9.88	14.68
		STANDARD DEVIATION			0.856	0.408	3.16	4.41	4.76	7.08

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TRT	TREATMENT	DOSAGE		GLXMA	SETFA	CHEAL	ABUTH	PHBPU	YIELD
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %	CON %	BU/A
			TM	07/19/05	07/19/05	07/19/05	07/19/05	07/19/05	10/17/05
1A	KIH-485 60WG	0.15	LAA 9	0	52	65	33	23	26.4
2A	KIH-485 60WG	0.19	LAA 9	0	63	75	40	27	23.7
3A	KIH-485 60WG	0.28	LAA 9	0	77	90	60	40	26.1
4A	DUAL II MAGNUM	1.59	LAA 9	0	47	52	23	20	25.1
5A	DUAL II MAGNUM	3.19	LAA 9	0	82	89	30	23	26.5
6A	KIH-485 60WG	0.15	LAA 12	0	99	99	99	91	34.6
	B>>WEATHERMAX 4.5	0.75	LAA 14						
	C>>LIQUID AMS	2.50	PMV 14						
7A	KIH-485 60WG	0.28	LAA 12	0	99	99	99	97	38.3
	B>>WEATHERMAX 4.5	0.75	LAA 14						
	C>>LIQUID AMS	2.50	PMV 14						
8A	KIH-485 60WG	0.15	LAA 9	0	99	99	99	93	40.7
	B>>WEATHERMAX 4.5	0.75	LAA 13						
	C>>LIQUID AMS	2.50	PMV 13						
9A	CHECK	0.00	NA 0	0	0	0	0	0	11.4
10A	KIH-485 60WG	0.15	LAA 9	0	99	99	99	93	41.3
	B>>VALOR SX 51WDG	0.063	LAA 9						
	C>>WEATHERMAX 4.5	0.75	LAA 13						
	D>>LIQUID AMS	2.50	PMV 13						
11A	KIH-485 60WG	0.15	LAA 12	0	96	99	96	78	41.5
	B>>WEATHERMAX 4.5	0.75	LAA 12						
	C>>LIQUID AMS	2.50	PMV 12						
12A	DUAL II MAGNUM	1.59	LAA 12	0	97	99	95	72	35.7
	B>>WEATHERMAX 4.5	0.75	LAA 12						
	C>>LIQUID AMS	2.50	PMV 12						
		LSD (0.05)		0.00	8.09	12.00	12.81	7.07	6.46
		STANDARD DEVIATION		0.00	3.90	5.78	6.18	3.41	3.12

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/11/2005(1)
 12 = ----- / POST 06/13/2005(2)
 13 = ----- / LPOST 06/20/2005(3)
 14 = ----- / VLPOST 06/30/2005(4)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
001	GLXMA	CON %	06/17/2005	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	GLXMA	CON %	06/23/2005	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	SETFA	CON %	06/23/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/23/2005	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/23/2005	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/23/2005	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	07/19/2005	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	07/19/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	07/19/2005	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ABUTH	CON %	07/19/2005	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	PHBPU	CON %	07/19/2005	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	YIELD	BU/A	10/17/2005	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)
 01 = A3305RR