

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.6
PREV. CROP: GLXMA - SOYBEAN
%RESIDUE: 0
PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	01	
TYPE	LIQMIX	
APPLICATION DATE	11/15/05	AME
AIR TEMPERATURE	50	F
% REL. HUMIDITY	70	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	15.0	M/H
CLOUD COVER	PARTCLDY	
DEW	YES	
SOIL MOISTURE	MOIST/MOI	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	SPRBAC	
PROPELLANT	COMCO2	
PLACEMENT	BRFOSO	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	---/01	IN
ASGROW 752RR	/	
05/22/2006		
*** PEST ***		
LAMBSQUARTERS, C	---/00	IN
	/	
HORSEWEED	---/15	IN
	1.00/1.00	
HENBIT	---/15	IN
	1.00/3.00	
FOXTAIL, GIANT	---/01	IN
	/	
CHICKWEED, COMMO	---/18	IN
	1.00/2.00	
DANDELION, COMMO	---/19	IN
	1.00/3.00	

* TIMING CODES
01 = ----- / FALL APPL'D

* STAGE CODE
00 = DRY SEED; DORMANCY
01 = BEGINNING OF IMBIBITION
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Fall Weed Control Systems in Glyphosate Resistant Corn. N-100
CREATED: 11/14/2005 **REVISED:** 07/26/2006 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		STEME CON % 11/30/05	LAMAM CON % 11/15/05	ERICA CON % 11/15/05	TAROF CON % 11/15/05	STEME CON % 03/29/06	LAMAM CON % 03/29/06
		RATE	UNIT						
1A	BASIS	0.023	LAA 1	50	43	37	37	99	90
	B (G)2,4-D-ESTER	0.47	LAA 1						
	C»COC	1.00	PMV 1						
2A	BASIS	0.023	LAA 1	62	47	43	43	99	99
	B KARMEX 80WG	0.80	LAA 1						
	C (G)2,4-D-ESTER	0.47	LAA 1						
	D»COC	1.00	PMV 1						
3A	BASIS	0.023	LAA 1	65	57	57	47	99	99
	B PRINCEP 4L	0.90	LAA 1						
	C (G)2,4-D-ESTER	0.47	LAA 1						
	D»COC	1.00	PMV 1						
4A	BASIS	0.023	LAA 1	37	23	27	20	99	99
	B»COC	1.00	PMV 1						
5A	BASIS	0.023	LAA 1	57	40	37	30	99	99
	B»WEATHERMAX 4.5	0.75	LAA 1						
	C»LIQUID AMS	2.50	PMV 1						
6A	PRINCEP 4L	1.00	LAA 1	43	23	27	20	98	96
	B»WEATHERMAX 4.5	0.75	LAA 1						
	C»LIQUID AMS	2.50	PMV 1						
7A	PRINCEP 4L	1.00	LAA 1	50	37	40	37	98	98
	B (G)2,4-D-ESTER	0.47	LAA 1						
	C»COC	1.00	PMV 1						
8A	WEATHERMAX 4.5	0.75	LAA 1	40	33	27	23	90	89
	B (G)2,4-D-ESTER	0.47	LAA 1						
	C»LIQUID AMS	2.50	PMV 1						
9A	WEATHERMAX 4.5	0.75	LAA 1	37	33	30	33	99	99
	B (G)2,4-D-ESTER	0.47	LAA 1						
	C»KIH-485 60WG	0.19	LAA 1						
	D»LIQUID AMS	2.50	PMV 1						
10A	CHECK	0.00	NA 0	0	0	0	0	0	0
11A	WEATHERMAX 4.5	0.75	LAA 1	33	27	27	23	99	99
	B (G)2,4-D-ESTER	0.47	LAA 1						
	C DUAL II MAGNUM	1.59	LAA 1						
	D»LIQUID AMS	2.50	PMV 1						
12A	WEATHERMAX 4.5	0.75	LAA 1	60	50	47	40		
	B (G)2,4-D-ESTER	0.47	LAA 1						
	C»KIH-485 60WG	0.19	LAA 1						
	D KARMEX 80WG	0.80	LAA 1						
	E»LIQUID AMS	2.50	PMV 1						
		LSD (0.05)		8.52	12.30	10.90	10.00	5.17	9.76
		STANDARD DEVIATION		4.11	5.93	5.25	4.80	2.48	4.68

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TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ERICA	TAROF	STEME	LAMAM	ERICA	TAROF
		RATE	UNIT		CON % 03/29/06	CON % 03/29/06	CON % 05/18/06	CON % 05/18/06	CON % 05/18/06	CON % 05/18/06
1A	»BASIS	0.023	LAA	1	99	99	99	98	79	92
	B (G)2,4-D-ESTER	0.47	LAA	1						
	C»COC	1.00	PMV	1						
2A	»BASIS	0.023	LAA	1	99	99	99	99	88	89
	B KARMEX 80WG	0.80	LAA	1						
	C (G)2,4-D-ESTER	0.47	LAA	1						
	D»COC	1.00	PMV	1						
3A	»BASIS	0.023	LAA	1	99	99	99	99	99	97
	B PRINCEP 4L	0.90	LAA	1						
	C (G)2,4-D-ESTER	0.47	LAA	1						
	D»COC	1.00	PMV	1						
4A	»BASIS	0.023	LAA	1	96	99	99	99	83	86
	B»COC	1.00	PMV	1						
5A	»BASIS	0.023	LAA	1	99	99	99	99	94	98
	B»WEATHERMAX 4.5	0.75	LAA	1						
	C»LIQUID AMS	2.50	PMV	1						
6A	PRINCEP 4L	1.00	LAA	1	99	99	99	97	97	94
	B»WEATHERMAX 4.5	0.75	LAA	1						
	C»LIQUID AMS	2.50	PMV	1						
7A	PRINCEP 4L	1.00	LAA	1	99	99	99	95	97	94
	B (G)2,4-D-ESTER	0.47	LAA	1						
	C»COC	1.00	PMV	1						
8A	»WEATHERMAX 4.5	0.75	LAA	1	96	99	60	57	43	73
	B (G)2,4-D-ESTER	0.47	LAA	1						
	C»LIQUID AMS	2.50	PMV	1						
9A	»WEATHERMAX 4.5	0.75	LAA	1	99	99	99	99	92	94
	B (G)2,4-D-ESTER	0.47	LAA	1						
	C»KIH-485 60WG	0.19	LAA	1						
	D»LIQUID AMS	2.50	PMV	1						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A	»WEATHERMAX 4.5	0.75	LAA	1	99	99	78	75	73	82
	B (G)2,4-D-ESTER	0.47	LAA	1						
	C DUAL II MAGNUM	1.59	LAA	1						
	D»LIQUID AMS	2.50	PMV	1						
12A	»WEATHERMAX 4.5	0.75	LAA	1			99	99	97	99
	B (G)2,4-D-ESTER	0.47	LAA	1						
	C»KIH-485 60WG	0.19	LAA	1						
	D KARMEX 80WG	0.80	LAA	1						
	E»LIQUID AMS	2.50	PMV	1						
		LSD (0.05)			3.58	0.00	6.82	8.82	8.64	8.38
		STANDARD DEVIATION			1.72	0.00	3.29	4.25	4.17	4.00

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	CHEAL	STEME	LAMAM	ERICA	TAROF
		RATE	UNIT		CON % 05/18/06	CON % 05/18/06	CON % 06/06/06	CON % 06/06/06	CON % 06/06/06	CON % 06/06/06
1A	»BASIS	0.023	LAA	1	52	43	99	98	68	85
	B (G)2,4-D-ESTER	0.47	LAA	1						
	C»COC	1.00	PMV	1						
2A	»BASIS	0.023	LAA	1	50	70	99	99	93	94
	B KARMEX 80WG	0.80	LAA	1						
	C (G)2,4-D-ESTER	0.47	LAA	1						
	D»COC	1.00	PMV	1						
3A	»BASIS	0.023	LAA	1	62	87	99	99	99	92
	B PRINCEP 4L	0.90	LAA	1						
	C (G)2,4-D-ESTER	0.47	LAA	1						
	D»COC	1.00	PMV	1						
4A	»BASIS	0.023	LAA	1	65	50	99	99	67	68
	B»COC	1.00	PMV	1						
5A	»BASIS	0.023	LAA	1	55	52	99	99	86	93
	B»WEATHERMAX 4.5	0.75	LAA	1						
	C»LIQUID AMS	2.50	PMV	1						
6A	PRINCEP 4L	1.00	LAA	1	43	88	99	96	93	84
	B»WEATHERMAX 4.5	0.75	LAA	1						
	C»LIQUID AMS	2.50	PMV	1						
7A	PRINCEP 4L	1.00	LAA	1	50	93	99	88	88	88
	B (G)2,4-D-ESTER	0.47	LAA	1						
	C»COC	1.00	PMV	1						
8A	»WEATHERMAX 4.5	0.75	LAA	1	0	0	37	33	33	77
	B (G)2,4-D-ESTER	0.47	LAA	1						
	C»LIQUID AMS	2.50	PMV	1						
9A	»WEATHERMAX 4.5	0.75	LAA	1	90	67	99	96	87	80
	B (G)2,4-D-ESTER	0.47	LAA	1						
	C»KIH-485 60WG	0.19	LAA	1						
	D»LIQUID AMS	2.50	PMV	1						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A	»WEATHERMAX 4.5	0.75	LAA	1	77	47	96	85	73	80
	B (G)2,4-D-ESTER	0.47	LAA	1						
	C DUAL II MAGNUM	1.59	LAA	1						
	D»LIQUID AMS	2.50	PMV	1						
12A	»WEATHERMAX 4.5	0.75	LAA	1	92	97	99	99	90	96
	B (G)2,4-D-ESTER	0.47	LAA	1						
	C»KIH-485 60WG	0.19	LAA	1						
	D KARMEX 80WG	0.80	LAA	1						
	E»LIQUID AMS	2.50	PMV	1						
		LSD (0.05)			16.43	12.00	3.00	6.37	14.38	10.62
		STANDARD DEVIATION			7.92	5.80	1.44	3.07	6.93	5.12

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PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT	TREATMENT	DOSAGE	SETFA	CHEAL
NUM	COMPONENT	RATE	CON %	CON %
		UNIT	06/06/06	06/06/06
1A»	BASIS	0.023	LAA 1	23
	B (G)2,4-D-ESTER	0.47	LAA 1	
	C»COC	1.00	PMV 1	
2A»	BASIS	0.023	LAA 1	37
	B KARMEX 80WG	0.80	LAA 1	
	C (G)2,4-D-ESTER	0.47	LAA 1	
	D»COC	1.00	PMV 1	
3A»	BASIS	0.023	LAA 1	43
	B PRINCEP 4L	0.90	LAA 1	
	C (G)2,4-D-ESTER	0.47	LAA 1	
	D»COC	1.00	PMV 1	
4A»	BASIS	0.023	LAA 1	47
	B»COC	1.00	PMV 1	
5A»	BASIS	0.023	LAA 1	45
	B»WEATHERMAX 4.5	0.75	LAA 1	
	C»LIQUID AMS	2.50	PMV 1	
6A	PRINCEP 4L	1.00	LAA 1	30
	B»WEATHERMAX 4.5	0.75	LAA 1	
	C»LIQUID AMS	2.50	PMV 1	
7A	PRINCEP 4L	1.00	LAA 1	37
	B (G)2,4-D-ESTER	0.47	LAA 1	
	C»COC	1.00	PMV 1	
8A»	WEATHERMAX 4.5	0.75	LAA 1	0
	B (G)2,4-D-ESTER	0.47	LAA 1	
	C»LIQUID AMS	2.50	PMV 1	
9A»	WEATHERMAX 4.5	0.75	LAA 1	48
	B (G)2,4-D-ESTER	0.47	LAA 1	
	C»KIH-485 60WG	0.19	LAA 1	
	D»LIQUID AMS	2.50	PMV 1	
10A	CHECK	0.00	NA 0	0
11A»	WEATHERMAX 4.5	0.75	LAA 1	43
	B (G)2,4-D-ESTER	0.47	LAA 1	
	C DUAL II MAGNUM	1.59	LAA 1	
	D»LIQUID AMS	2.50	PMV 1	
12A»	WEATHERMAX 4.5	0.75	LAA 1	81
	B (G)2,4-D-ESTER	0.47	LAA 1	
	C»KIH-485 60WG	0.19	LAA 1	
	D KARMEX 80WG	0.80	LAA 1	
	E»LIQUID AMS	2.50	PMV 1	
	LSD (0.05)			16.54
	STANDARD DEVIATION			8.00
				14.46
				7.00

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 01 = ----- / FALL APPL'D 11/15/2005(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	STEME	CON %	11/30/2005	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	LAMAM	CON %	11/15/2005	03	P	LAMAM	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ERICA	CON %	11/15/2005	04	P	ERICA	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	TAROF	CON %	11/15/2005	05	P	TAROF	19	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
005	STEME	CON %	03/29/2006	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	LAMAM	CON %	03/29/2006	03	P	LAMAM		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ERICA	CON %	03/29/2006	04	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	TAROF	CON %	03/29/2006	05	P	TAROF		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	STEME	CON %	05/18/2006	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	LAMAM	CON %	05/18/2006	03	P	LAMAM		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ERICA	CON %	05/18/2006	04	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	TAROF	CON %	05/18/2006	05	P	TAROF		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	SETFA	CON %	05/18/2006	06	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	CHEAL	CON %	05/18/2006	07	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	STEME	CON %	06/06/2006	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	LAMAM	CON %	06/06/2006	03	P	LAMAM		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ERICA	CON %	06/06/2006	04	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	TAROF	CON %	06/06/2006	05	P	TAROF		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	SETFA	CON %	06/06/2006	06	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	CHEAL	CON %	06/06/2006	07	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* STAGE CODE

15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

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