

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIL  
PH: 6.7  
%OM: 1.5  
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	11	12	13	
TYPE	LIQMIX	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/16/05	06/06/05	06/16/05	07/07/05	AME
AIR TEMPERATURE	60	82	75	83	F
% REL. HUMIDITY	73	77	80	74	
WIND DIRECTION	NORTHEAST	SOUTHWEST	NORTH	NORTH	
WIND SPEED	12.0	8.0	8.0	10.0	M/H
CLOUD COVER	CLEAR	PARTCLDY	CLEAR	PARTCLDY	
DEW	NO	NO	NO	NO	
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		---/13	---/14	---/16	
ASGROW 4403		4.00/4.00	5.00/5.00	8.00/8.00	IN
05/16/2005					
*** PEST ***					
WATERHEMP, COMMO		---/15	---/19	---/19	
		1.00/1.00	2.00/4.00	3.00/6.00	IN
LAMBSQUARTERS, C		---/15	---/19	---/19	
		0.50/0.50	1.00/2.00	2.00/4.00	IN
FOXTAIL, GIANT		---/12	---/13	---/16	
		1.00/3.00	2.00/4.00	4.00/6.00	IN

## \* TIMING CODES

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

## \* STAGE CODE

12 = 2 LEAVES UNFOLDED  
13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES  
14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6TH LEAF (4TH TRIFOLIATE LEAF) UNFOLDED, 5 NODES  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Weed Control Systems in Gyphosate Resistant Soybean  
**CREATED:** 05/09/2005 **REVISED:** 11/20/2005 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Brownstown **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	SETFA	AMATA	CHEAL	GLXMA	SETFA
		RATE	UNIT		CON % 06/06/05	CON % 06/06/05	CON % 06/06/05	CON % 06/06/05	CON % 07/15/05	CON % 07/15/05
1A	PROWL H2O 3.8	1.19	LAA	9	7	83	85	88	0	63
2A	PROWL H2O 3.8	1.19	LAA	9	2	92	96	98	0	88
	B»VALOR 51WDG	0.094	LAA	9						
	C SENCOR 75WG	0.188	LAA	9						
3A»	KIH-485 60WG	0.19	LAA	9	7	93	98	99	0	90
	B»VALOR 51WDG	0.094	LAA	9						
4A	PENDIMAX 3.3	1.24	LAA	9	3	88	97	99	0	90
	B»VALOR 51WDG	0.094	LAA	9						
	C FIRSTRATE 84WG	0.032	LAA	9						
5A	COMMAND 3ME	1.00	LAA	9	0	93	88	99	0	92
	B»VALOR 51WDG	0.094	LAA	9						
	C FIRSTRATE 84WG	0.032	LAA	9						
6A	BOUNDARY 6.5EC	1.63	LAA	9	5	95	98	99	0	80
	B SPARTAN 4F	0.25	LAA	9						
7A	PROWL H2O 3.8	1.19	LAA	9	0	73	96	92	13	85
	B RAPTOR 1SL	0.031	LAA	11						
	C FLEXSTAR 1.88	0.18	LAA	11						
	D»MSO	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
8A	PENDIMAX 3.3	1.24	LAA	9	0	85	90	93	5	93
	B FIRSTRATE 84WG	0.016	LAA	11						
	C SELECT (2EC)	0.094	LAA	11						
	D COBRA 2EC	0.094	LAA	11						
	E»COC	1.00	PMV	11						
	F»LIQUID AMS	2.50	PMV	11						
9A	BOUNDARY 6.5EC	1.22	LAA	9	0	87	91	98	7	95
	B FLEXSTAR 1.88	0.294	LAA	12						
	C FUSION 2.56EC	0.20	LAA	12						
	D»MSO	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
10A	PROWL H2O 3.8	1.19	LAA	9	0	77	92	90	0	99
	B EXTREME 2.17SL	0.81	LAA	13						
	C»ACTIVATOR 90	0.125	PMV	13						
	D»LIQUID AMS	2.50	PMV	13						
11A	PURSUIT +	0.91	LAA	9	8	88	85	99	0	99
	B»WEATHERMAX 4.5	0.75	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
12A»	VALOR SX 51WDG	0.047	LAA	9	0	77	76	93	0	99
	B»CANOPY EX 29.5	0.02	LAA	0						
	C CLASSIC 25WG	0.015	LAA	9						
	D EXPRESS 75WG	0.005	LAA	9						
	E»WEATHERMAX 4.5	0.75	LAA	13						
	F»LIQUID AMS	2.50	PMV	13						
13A»	INTRRO 4EC	1.00	LAA	9	0	70	82	85	0	99
	B»WEATHERMAX 4.5	0.75	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
14A	BOUNDARY 6.5EC	1.63	LAA	9	0	93	95	93	0	99
	B»TOUCHDN TOTAL	0.75	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
15A»	A14972A 5.32EC	1.00	LAA	9	3	73	92	93	0	99
	B»TOUCHDN TOTAL	0.75	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						

## TITLE: Weed Control Systems in Glyphosate Resistant Soybean

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	AMATA	CHEAL	GLXMA	SETFA
		RATE	UNIT		CON % 06/06/05	CON % 06/06/05	CON % 06/06/05	CON % 06/06/05	CON % 07/15/05	CON % 07/15/05
16A	KIH-485 60WG	0.15	LAA	9	0	93	98	96	0	99
	B>WEATHERMAX 4.5	0.75	LAA	13						
	C>LIQUID AMS	2.50	PMV	13						
17A	VALOR SX 51WDG	0.063	LAA	9	0	33	85	88	0	99
	B>WEATHERMAX 4.5	0.75	LAA	13						
	C>LIQUID AMS	2.50	PMV	13						
18A	VALOR SX 51WDG	0.047	LAA	9	2	72	88	96	0	99
	B FIRSTRATE 84WG	0.016	LAA	9						
	C>WEATHERMAX 4.5	0.75	LAA	13						
	D>LIQUID AMS	2.50	PMV	13						
19A	GLYPHOMAX XRT	0.75	LAA	11	0				0	99
	B>LIQUID AMS	2.50	PMV	11						
	C>GLYPHOMAX XRT	0.75	LAA	13						
	D>LIQUID AMS	2.50	PMV	13						
20A	GLYPHOMAX XRT	0.75	LAA	12	0				0	99
	B>LIQUID AMS	2.50	PMV	12						
21A	WEATHERMAX 4.5	0.75	LAA	12	0				0	99
	B>LIQUID AMS	2.50	PMV	12						
22A	CHECK	0.00	NA	0	0				0	99
23A	TOUCHDN TOTAL	0.75	LAA	12	0				0	99
	B>LIQUID AMS	2.50	PMV	12						
24A	GLYPHOMAX XRT	0.75	LAA	12	0				0	99
	B FIRSTRATE 84WG	0.016	LAA	12						
	C>LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			5.13	13.00	11.00	6.27	1.35	4.61
		STANDARD DEVIATION			2.56	6.44	5.45	3.10	0.673	2.30

**TITLE:** Weed Control Systems in Gyphosate Resistant Soybean  
**CREATED:** 05/09/2005 **REVISED:** 11/20/2005 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Brownstown **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	AMATA	CHEAL
		RATE	UNIT		CON % 07/15/05	CON % 07/15/05
1A	PROWL H2O 3.8	1.19	LAA	9	67	82
2A	PROWL H2O 3.8	1.19	LAA	9	96	98
	B»VALOR 51WDG	0.094	LAA	9		
	C SENCOR 75WG	0.188	LAA	9		
3A»	KIH-485 60WG	0.19	LAA	9	98	96
	B»VALOR 51WDG	0.094	LAA	9		
4A	PENDIMAX 3.3	1.24	LAA	9	93	95
	B»VALOR 51WDG	0.094	LAA	9		
	C FIRSTRATE 84WG	0.032	LAA	9		
5A	COMMAND 3ME	1.00	LAA	9	80	92
	B»VALOR 51WDG	0.094	LAA	9		
	C FIRSTRATE 84WG	0.032	LAA	9		
6A	BOUNDARY 6.5EC	1.63	LAA	9	98	98
	B SPARTAN 4F	0.25	LAA	9		
7A	PROWL H2O 3.8	1.19	LAA	9	97	99
	B RAPTOR 1SL	0.031	LAA	11		
	C FLEXSTAR 1.88	0.18	LAA	11		
	D»MSO	1.00	PMV	11		
	E»LIQUID AMS	2.50	PMV	11		
8A	PENDIMAX 3.3	1.24	LAA	9	86	95
	B FIRSTRATE 84WG	0.016	LAA	11		
	C SELECT (2EC)	0.094	LAA	11		
	D COBRA 2EC	0.094	LAA	11		
	E»COC	1.00	PMV	11		
	F»LIQUID AMS	2.50	PMV	11		
9A	BOUNDARY 6.5EC	1.22	LAA	9	93	98
	B FLEXSTAR 1.88	0.294	LAA	12		
	C FUSION 2.56EC	0.20	LAA	12		
	D»MSO	1.00	PMV	12		
	E 28% UAN	2.50	PMV	12		
10A	PROWL H2O 3.8	1.19	LAA	9	99	99
	B EXTREME 2.17SL	0.81	LAA	13		
	C»ACTIVATOR 90	0.125	PMV	13		
	D»LIQUID AMS	2.50	PMV	13		
11A	PURSUIT +	0.91	LAA	9	99	99
	B»WEATHERMAX 4.5	0.75	LAA	13		
	C»LIQUID AMS	2.50	PMV	13		
12A»	VALOR SX 51WDG	0.047	LAA	9	99	99
	B»CANOPY EX 29.5	0.02	LAA	0		
	C CLASSIC 25WG	0.015	LAA	9		
	D EXPRESS 75WG	0.005	LAA	9		
	E»WEATHERMAX 4.5	0.75	LAA	13		
	F»LIQUID AMS	2.50	PMV	13		
13A»	INTRRO 4EC	1.00	LAA	9	99	99
	B»WEATHERMAX 4.5	0.75	LAA	13		
	C»LIQUID AMS	2.50	PMV	13		
14A	BOUNDARY 6.5EC	1.63	LAA	9	99	99
	B»TOUCHDN TOTAL	0.75	LAA	13		
	C»LIQUID AMS	2.50	PMV	13		
15A»	A14972A 5.32EC	1.00	LAA	9	99	99
	B»TOUCHDN TOTAL	0.75	LAA	13		
	C»LIQUID AMS	2.50	PMV	13		

TITLE: Weed Control Systems in Gyphosate Resistant Soybean

TRT NUM	TREATMENT COMPONENT	DOSAGE			AMATA	CHEAL	
		RATE	UNIT	TM	CON % 07/15/05	CON % 07/15/05	
16A»	KIH-485 60WG	0.15	LAA	9	99	99	
	B»WEATHERMAX 4.5	0.75	LAA	13			
	C»LIQUID AMS	2.50	PMV	13			
17A»	VALOR SX 51WDG	0.063	LAA	9	99	99	
	B»WEATHERMAX 4.5	0.75	LAA	13			
	C»LIQUID AMS	2.50	PMV	13			
18A»	VALOR SX 51WDG	0.047	LAA	9	99	99	
	B FIRSTRATE 84WG	0.016	LAA	9			
	C»WEATHERMAX 4.5	0.75	LAA	13			
	D»LIQUID AMS	2.50	PMV	13			
19A»	GLYPHOMAX XRT	0.75	LAA	11	93	99	
	B»LIQUID AMS	2.50	PMV	11			
	C»GLYPHOMAX XRT	0.75	LAA	13			
	D»LIQUID AMS	2.50	PMV	13			
20A»	GLYPHOMAX XRT	0.75	LAA	12	99	99	
	B»LIQUID AMS	2.50	PMV	12			
21A»	WEATHERMAX 4.5	0.75	LAA	12	99	99	
	B»LIQUID AMS	2.50	PMV	12			
22A	CHECK	0.00	NA	0	99	99	
23A»	TOUCHDN TOTAL	0.75	LAA	12	99	99	
	B»LIQUID AMS	2.50	PMV	12			
24A»	GLYPHOMAX XRT	0.75	LAA	12	99	99	
	B FIRSTRATE 84WG	0.016	LAA	12			
	C»LIQUID AMS	2.50	PMV	12			
					LSD (0.05)	4.67	1.93
					STANDARD DEVIATION	2.33	1.00

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 05/16/2005(1)
- 11 = ----- / EPOST 06/06/2005(2)
- 12 = ----- / POST 06/16/2005(3)
- 13 = ----- / LPOST 07/07/2005(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 %	06/06/2005	01	P	GLXMA	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/06/2005	02	P	SETFA	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	06/06/2005	03	P	AMATA	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/06/2005	04	P	CHEAL	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	GLXMA	CON %	07/15/2005	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	SETFA	CON %	07/15/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	AMATA	CON %	07/15/2005	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	CHEAL	CON %	07/15/2005	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 4403

\* STAGE CODE

- 12 = 2 LEAVES UNFOLDED
- 13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES
- 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED