

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIL  
PH:  
%OM: 0.0  
PREV.CROP: GLXMA - SOYBEAN  
%RESIDUE: 0  
PLOT WIDTH: 10 X 40 FEET  
PLOT AREA: 400 FEET

DESIGN: RCB  
REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	12	13	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/19/11	06/20/11	06/29/11	AME
AIR TEMPERATURE	80	79	83	F
% REL.HUMIDITY	65	75	41	
WIND DIRECTION	SOUTHWEST	EAST	NA/NONE/U	
WIND SPEED	3.0	3.0	0.0	M/H
CLOUD COVER	PARTCLDY	CLOUDY	CLEAR	
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	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	IN
SCREEN SIZE				
SCREEN SZ DESC	NA	NA	NA	
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT	---	---	---	
	DEN/ STG/ MINMAXSZ			
*** CROP ***				
SOYBEAN		---/15	---/18	
GLYPHOSTAE TOLER		8.00/8.00	14.0/14.0	IN
05/19/2011				
*** PEST ***				
WATERHEMP, COMMO		---/19	---/19	
		4.00/6.00	2.00/14.0	IN

## \* TIMING CODES

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

## \* STAGE CODE

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

**TITLE:** Soybean Herbicide Systems for Control of Glph.-Resis. WH. Monsanto. GRWH  
**CREATED:** 04/16/2011 **REVISED:** 08/15/2011 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Douglas Co. **RESEARCHED BY:**  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT WIDE X 40.00 FT LONG  
**PLOT AREA:** 400.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	AMATA	GLXMA	AMATA	GLXMA	AMATA
		RATE	UNIT	TM	CON % 06/06/11	CON % 06/06/11	CON % 06/28/11	CON % 06/28/11	CON % 07/05/11	CON % 07/05/11
1A	VALOR XLT 40WG	0.10	LAA	0	3	99	1	92	0	95
B	CLASSIC 25WG	0.026	LAA	9						
C	VALOR 51WG	0.074	LAA	9						
D	RNDUP POWERMAX	0.77	LAA	12						
E	N-PAK AMS	2.50	PMV	12						
2A	VALOR XLT 40WG	0.10	LAA	0	3	99	11	99	1	99
B	CLASSIC 25WG	0.026	LAA	9						
C	VALOR 51WG	0.074	LAA	9						
D	RNDUP POWERMAX	0.77	LAA	12						
E	FLEXSTAR 1.88	0.294	LAA	12						
F	N-PAK AMS	2.50	PMV	12						
3A	VALOR XLT 40WG	0.10	LAA	0	2	99	9	99	0	99
B	CLASSIC 25WG	0.026	LAA	9						
C	VALOR 51WG	0.074	LAA	9						
D	RNDUP POWERMAX	0.77	LAA	12						
E	FLEXSTAR 1.88	0.294	LAA	12						
F	WARRANT 3L	1.125	LAA	12						
G	N-PAK AMS	2.50	PMV	12						
4A	VALOR XLT 40WG	0.10	LAA	0	4	99	0	62	7	95
B	CLASSIC 25WG	0.026	LAA	9						
C	VALOR 51WG	0.074	LAA	9						
D	RNDUP POWERMAX	0.77	LAA	13						
E	FLEXSTAR 1.88	0.352	LAA	13						
F	WARRANT 3L	1.125	LAA	13						
G	N-PAK AMS	2.50	PMV	13						
5A	VALOR XLT 40WG	0.10	LAA	0	3	99	9	99	0	99
B	CLASSIC 25WG	0.026	LAA	9						
C	VALOR 51WG	0.074	LAA	9						
D	RNDUP POWERMAX	0.77	LAA	12						
E	FLEXSTAR 1.88	0.294	LAA	12						
F	WARRANT 3L	1.125	LAA	12						
G	N-PAK AMS	2.50	PMV	12						
H	RNDUP POWERMAX	0.77	LAA	13						
I	WARRANT 3L	1.125	LAA	13						
J	N-PAK AMS	2.50	PMV	13						
6A	VALOR XLT 40WG	0.10	LAA	0	4	99	12	99	0	99
B	CLASSIC 25WG	0.026	LAA	9						
C	VALOR 51WG	0.074	LAA	9						
D	PROWL H2O 3.8	0.952	LAA	9						
E	RNDUP POWERMAX	0.77	LAA	12						
F	FLEXSTAR 1.88	0.294	LAA	12						
G	WARRANT 3L	1.125	LAA	12						
H	N-PAK AMS	2.50	PMV	12						
7A	AUTHORITY XL 7	0.28	LAA	9	1	99	9	99	0	99
B	RNDUP POWERMAX	0.77	LAA	12						
C	FLEXSTAR 1.88	0.294	LAA	12						
D	N-PAK AMS	2.50	PMV	12						
8A	AUTHORITY XL 7	0.28	LAA	9	2	99	9	99	0	99
B	RNDUP POWERMAX	0.77	LAA	12						
C	FLEXSTAR 1.88	0.294	LAA	12						
D	WARRANT 3L	1.125	LAA	12						
E	N-PAK AMS	2.50	PMV	12						
9A	AUTHORITY XL 7	0.28	LAA	9	2	99	0	78	5	98
B	RNDUP POWERMAX	0.77	LAA	13						
C	FLEXSTAR 1.88	0.352	LAA	13						
D	WARRANT 3L	1.125	LAA	13						
E	N-PAK AMS	2.50	PMV	13						

## TITLE: Soybean Herbicide Systems for Control of Glph.-Resis. WH. Monsanto. GRWH

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	AMATA	GLXMA	AMATA	GLXMA	AMATA
		RATE	UNIT	TM	CON % 06/06/11	CON % 06/06/11	CON % 06/28/11	CON % 06/28/11	CON % 07/05/11	CON % 07/05/11
10A	AUTHORITY FIRS	0.28	LAA	9	3	99	9	99	0	84
	B»RNDUP POWERMAX	0.77	LAA	12						
	C FLEXSTAR 1.88	0.294	LAA	12						
	D»N-PAK AMS	2.50	PMV	12						
11A	AUTHORITY FIRS	0.28	LAA	9	2	99	9	99	0	99
	B»RNDUP POWERMAX	0.77	LAA	12						
	C FLEXSTAR 1.88	0.294	LAA	12						
	D»WARRANT 3L	1.125	LAA	12						
	E»N-PAK AMS	2.50	PMV	12						
12A	AUTHORITY FIRS	0.28	LAA	9	1	99	0	77	5	96
	B»RNDUP POWERMAX	0.77	LAA	13						
	C FLEXSTAR 1.88	0.352	LAA	13						
	D»WARRANT 3L	1.125	LAA	13						
	E»N-PAK AMS	2.50	PMV	13						
13A»	FIERCE 76WG	0.21	LAA	9	10	99	12	99	0	99
	B»RNDUP POWERMAX	0.77	LAA	12						
	C FLEXSTAR 1.88	0.294	LAA	12						
	D»N-PAK AMS	2.50	PMV	12						
14A	CHECK	0.00	NA	0	0	0	0	0	0	0
15A»	FIERCE 76WG	0.21	LAA	9	9	99	10	99	0	99
	B»RNDUP POWERMAX	0.77	LAA	12						
	C FLEXSTAR 1.88	0.294	LAA	12						
	D»WARRANT 3L	1.125	LAA	12						
	E»N-PAK AMS	2.50	PMV	12						
16A»	FIERCE 76WG	0.21	LAA	9	9	99	0	93	6	99
	B»RNDUP POWERMAX	0.77	LAA	13						
	C FLEXSTAR 1.88	0.352	LAA	13						
	D»WARRANT 3L	1.125	LAA	13						
	E»N-PAK AMS	2.50	PMV	13						
		LSD (0.05)			1.39	0.00	2.20	3.76	1.48	10.93
		STANDARD DEVIATION			0.678	0.00	1.08	1.84	0.727	5.35

**TITLE:** Soybean Herbicide Systems for Control of Glph.-Resis. WH. Monsanto. GRWH  
**CREATED:** 04/16/2011 **REVISED:** 08/15/2011 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Douglas Co. **RESEARCHED BY:**  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT WIDE X 40.00 FT LONG  
**PLOT AREA:** 400.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	AMATA
		RATE	UNIT	TM	CON % 07/15/11	CON % 07/15/11
1A	VALOR XLT 40WG	0.10	LAA	0	0	95
	B CLASSIC 25WG	0.026	LAA	9		
	C VALOR 51WG	0.074	LAA	9		
	D»RNDUP POWERMAX	0.77	LAA	12		
	E»N-PAK AMS	2.50	PMV	12		
2A	VALOR XLT 40WG	0.10	LAA	0	0	99
	B CLASSIC 25WG	0.026	LAA	9		
	C VALOR 51WG	0.074	LAA	9		
	D»RNDUP POWERMAX	0.77	LAA	12		
	E FLEXSTAR 1.88	0.294	LAA	12		
	F»N-PAK AMS	2.50	PMV	12		
3A	VALOR XLT 40WG	0.10	LAA	0	0	99
	B CLASSIC 25WG	0.026	LAA	9		
	C VALOR 51WG	0.074	LAA	9		
	D»RNDUP POWERMAX	0.77	LAA	12		
	E FLEXSTAR 1.88	0.294	LAA	12		
	F»WARRANT 3L	1.125	LAA	12		
	G»N-PAK AMS	2.50	PMV	12		
4A	VALOR XLT 40WG	0.10	LAA	0	1	93
	B CLASSIC 25WG	0.026	LAA	9		
	C VALOR 51WG	0.074	LAA	9		
	D»RNDUP POWERMAX	0.77	LAA	13		
	E FLEXSTAR 1.88	0.352	LAA	13		
	F»WARRANT 3L	1.125	LAA	13		
	G»N-PAK AMS	2.50	PMV	13		
5A	VALOR XLT 40WG	0.10	LAA	0	0	99
	B CLASSIC 25WG	0.026	LAA	9		
	C VALOR 51WG	0.074	LAA	9		
	D»RNDUP POWERMAX	0.77	LAA	12		
	E FLEXSTAR 1.88	0.294	LAA	12		
	F»WARRANT 3L	1.125	LAA	12		
	G»N-PAK AMS	2.50	PMV	12		
	H»RNDUP POWERMAX	0.77	LAA	13		
	I»WARRANT 3L	1.125	LAA	13		
	J»N-PAK AMS	2.50	PMV	13		
6A	VALOR XLT 40WG	0.10	LAA	0	0	98
	B CLASSIC 25WG	0.026	LAA	9		
	C VALOR 51WG	0.074	LAA	9		
	D PROWL H2O 3.8	0.952	LAA	9		
	E»RNDUP POWERMAX	0.77	LAA	12		
	F FLEXSTAR 1.88	0.294	LAA	12		
	G»WARRANT 3L	1.125	LAA	12		
	H»N-PAK AMS	2.50	PMV	12		
7A	AUTHORITY XL 7	0.28	LAA	9	0	99
	B»RNDUP POWERMAX	0.77	LAA	12		
	C FLEXSTAR 1.88	0.294	LAA	12		
	D»N-PAK AMS	2.50	PMV	12		
8A	AUTHORITY XL 7	0.28	LAA	9	0	99
	B»RNDUP POWERMAX	0.77	LAA	12		
	C FLEXSTAR 1.88	0.294	LAA	12		
	D»WARRANT 3L	1.125	LAA	12		
	E»N-PAK AMS	2.50	PMV	12		
9A	AUTHORITY XL 7	0.28	LAA	9	1	98
	B»RNDUP POWERMAX	0.77	LAA	13		
	C FLEXSTAR 1.88	0.352	LAA	13		
	D»WARRANT 3L	1.125	LAA	13		
	E»N-PAK AMS	2.50	PMV	13		

## TITLE: Soybean Herbicide Systems for Control of Glph.-Resis. WH. Monsanto. GRWH

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	AMATA
		RATE	UNIT	TM	CON % 07/15/11	CON % 07/15/11
10A	AUTHORITY FIRS	0.28	LAA	9	0	99
	B»RNDUP POWERMAX	0.77	LAA	12		
	C FLEXSTAR 1.88	0.294	LAA	12		
	D»N-PAK AMS	2.50	PMV	12		
11A	AUTHORITY FIRS	0.28	LAA	9	0	99
	B»RNDUP POWERMAX	0.77	LAA	12		
	C FLEXSTAR 1.88	0.294	LAA	12		
	D»WARRANT 3L	1.125	LAA	12		
	E»N-PAK AMS	2.50	PMV	12		
12A	AUTHORITY FIRS	0.28	LAA	9	1	96
	B»RNDUP POWERMAX	0.77	LAA	13		
	C FLEXSTAR 1.88	0.352	LAA	13		
	D»WARRANT 3L	1.125	LAA	13		
	E»N-PAK AMS	2.50	PMV	13		
13A»	FIERCE 76WG	0.21	LAA	9	0	99
	B»RNDUP POWERMAX	0.77	LAA	12		
	C FLEXSTAR 1.88	0.294	LAA	12		
	D»N-PAK AMS	2.50	PMV	12		
14A	CHECK	0.00	NA	0	0	0
15A»	FIERCE 76WG	0.21	LAA	9	0	99
	B»RNDUP POWERMAX	0.77	LAA	12		
	C FLEXSTAR 1.88	0.294	LAA	12		
	D»WARRANT 3L	1.125	LAA	12		
	E»N-PAK AMS	2.50	PMV	12		
16A»	FIERCE 76WG	0.21	LAA	9	3	99
	B»RNDUP POWERMAX	0.77	LAA	13		
	C FLEXSTAR 1.88	0.352	LAA	13		
	D»WARRANT 3L	1.125	LAA	13		
	E»N-PAK AMS	2.50	PMV	13		
		LSD (0.05)			1.34	2.75
		STANDARD DEVIATION			0.656	1.35

» = SUPPLEMENTAL CHEMICAL

## \* TIMING CODES

00 = ----- / UNTREATED TIMING  
09 = ----- / PREEMERGENCE 05/19/2011(1)  
12 = ----- / POST 06/20/2011(2)  
13 = ----- / LPOST 06/29/2011(3)

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 %	06/06/2011	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMATA	CON %	06/06/2011	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	GLXMA	CON %	06/28/2011	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/28/2011	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	GLXMA	CON %	07/05/2011	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMATA	CON %	07/05/2011	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	07/15/2011	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMATA	CON %	07/15/2011	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

## \* SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)

01 = GLYPHOSTAE TOLERANT