

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIL  
PH: 6.7  
%OM: 1.5  
PREV.CROP: ZEAMD - CORN, DENT  
%RESIDUE: 0  
PLOT WIDTH: 10 X 30 FEET  
PLOT AREA: 300 FEET

DESIGN: RCB  
REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	12	13	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/25/11	06/16/11	06/24/11	AME
AIR TEMPERATURE	80	83	79	F
% REL.HUMIDITY	65	40	41	
WIND DIRECTION	NORTH	WEST	WEST	
WIND SPEED	5.0	5.0	5.0	M/H
CLOUD COVER	CLOUDY	CLEAR	CLEAR	
DEW	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	MOIST/MOI	
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			
*** PEST ***				
VELVETLEAF		---/12 1.00/2.00	---/16 2.00/6.00	IN
WATERHEMP, COMMO		---/18 1.00/2.00	---/19 1.00/4.00	IN
RAGWEED, COMMON		---/12 1.00/3.00	---/15 3.00/5.00	IN
LAMBSQUARTERS, C		---/19 1.00/4.00	---/19 2.00/6.00	IN
SOYBEAN A 4703 05/25/2011		---/14 5.00/5.00	---/16 9.00/9.00	IN
PANICUM, FALL		---/14 2.00/6.00	---/16 1.00/6.00	IN
MORNINGGLORY, TA		---/13 1.00/2.00	---/17 1.00/4.00	IN

## \* TIMING CODES

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

## \* STAGE CODE

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

\* STAGE CODE

16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Weed Control Systems in Roundup-Ready Soybean. E2-E3  
**CREATED:** 04/28/2011 **REVISED:** 11/11/2011 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Brownstown **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT WIDE X 30.00 FT LONG  
**PLOT AREA:** 300.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	PANDI	CHEAL	AMATA	AMBEL	ABUTH
		RATE	UNIT		CON % 06/24/11	CON % 06/24/11	CON % 06/24/11	CON % 06/24/11	CON % 06/24/11	CON % 06/24/11
1A»	PREFIX 5.32SL	1.33	LAA	9	0	92	99	99	99	96
	B»TOUCHDN TOTAL	1.04	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
2A	BOUNDARY 6.5EC	1.63	LAA	9	0	94	99	99	96	98
	B»TOUCHDN TOTAL	1.04	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
3A	BOUNDARY 6.5EC	1.63	LAA	9	0	97	99	99	99	99
	B»FLEXSTAR GT 3.	1.24	LAA	13						
	C»MSO	1.00	PMV	13						
	D»LIQUID AMS	2.50	PMV	13						
4A	BOUNDARY 6.5EC	1.63	LAA	9	0	95	97	98	99	99
	B FLEXSTAR 1.88	0.294	LAA	13						
	C»MSO	1.00	PMV	13						
	D»LIQUID AMS	2.50	PMV	13						
5A	BOUNDARY 6.5EC	1.63	LAA	9	0	99	99	99	99	99
	B»FLEXSTAR GT 3.	1.24	LAA	13						
	C»SUPERSPREAD MS	0.63	PMV	13						
	D»LIQUID AMS	2.50	PMV	13						
6A	BOUNDARY 6.5EC	1.63	LAA	9	0	99	99	99	99	99
	B»FLEXSTAR GT 3.	1.24	LAA	13						
	C»BRIMSTONE	3.00	PMA	13						
	D»SUPERSPREAD MS	0.63	PMV	13						
	E»LIQUID AMS	2.50	PMV	13						
7A»	ENVIVE 41.3SG	0.077	LAA	0	0	94	99	99	99	99
	B CLASSIC 25WG	0.017	LAA	9						
	C»HARMONY GT 50W	0.005	LAA	9						
	D VALOR 51WG	0.055	LAA	9						
	E»ABUNDIT EXTRA	0.75	LAA	13						
	F»LIQUID AMS	2.50	PMV	13						
8A»	ENLITE 47.86WG	0.084	LAA	0	0	95	99	99	99	99
	B CLASSIC 25WG	0.005	LAA	9						
	C»HARMONY GT 50W	0.0155	LAA	9						
	D VALOR 51WG	0.0635	LAA	9						
	E»ABUNDIT EXTRA	0.75	LAA	13						
	F»LIQUID AMS	2.50	PMV	13						
9A	CANOPY 75WG	0.188	LAA	9	0	97	99	98	99	99
	B»ABUNDIT EXTRA	0.75	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
10A»	VALOR XLT 40WG	0.088	LAA	0	0	97	99	99	98	99
	B CLASSIC 25WG	0.023	LAA	9						
	C VALOR 51WG	0.065	LAA	9						
	D»RNDUP POWERMAX	0.77	LAA	13						
	E»LIQUID AMS	2.50	PMV	13						
11A	PROWL H2O 3.8	1.19	LAA	9	0	97	99	99	93	98
	B»RNDUP POWERMAX	0.77	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
12A»	AUTHORITY XL 7	0.175	LAA	9	0	99	99	93	98	99
	B»RNDUP POWERMAX	0.77	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
13A»	AUTHOR. ASSIST	0.156	LAA	9	0	87	99	99	93	97
	B»TOUCHDN TOTAL	1.04	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						

## TITLE: Weed Control Systems in Roundup-Ready Soybean. E2-E3

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	PANDI	CHEAL	AMATA	AMBEL	ABUTH
		RATE	UNIT	TM	CON % 06/24/11	CON % 06/24/11	CON % 06/24/11	CON % 06/24/11	CON % 06/24/11	CON % 06/24/11
14A»	FIERCE 76WG	0.14	LAA	9	0	89	99	99	98	98
	B»RNDUP POWERMAX	0.77	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
15A»	SONIC 70DF	0.197	LAA	9	0	97	99	99	99	99
	B»DURANGO 4AE	0.75	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
16A»	INTRRO 4EC	2.00	LAA	9	0	84	98	99	93	96
	B»TOUCHDN TOTAL	1.04	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
17A»	ANTHEM 2.15SE	0.134	LAA	9	0	96	99	99	99	99
	B»TOUCHDN TOTAL	1.04	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
18A»	OPTILL 68WG	0.085	LAA	9	0	92	99	99	99	99
	B»TOUCHDN TOTAL	1.04	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
19A	CHECK	0.00	NA	0	0	0	0	0	0	0
20A»	FLEXSTAR GT 3.	1.24	LAA	12	0	86	99	99	99	99
	B»SUPERSPREAD MS	0.63	PMV	12						
	C»LIQUID AMS	2.50	PMV	12						
21A»	FLEXSTAR GT 3.	1.24	LAA	12	0	83	99	95	99	98
	B»BRIMSTONE	3.00	PMA	12						
	C»SUPERSPREAD MS	0.63	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
22A»	ANTHEM 2.15SE	0.10	LAA	12	0	89	99	98	99	99
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
23A»	PREFIX 5.32SL	1.33	LAA	12	0	93	99	99	98	97
	B»TOUCHDN TOTAL	1.04	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
24A»	TOUCHDN TOTAL	1.04	LAA	12	0	80	99	88	98	96
	B»LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			0.00	6.68	0.757	6.43	3.91	3.00
		STANDARD DEVIATION			0.00	3.34	0.379	3.22	2.00	1.51

**TITLE:** Weed Control Systems in Roundup-Ready Soybean. E2-E3  
**CREATED:** 04/28/2011 **REVISED:** 11/11/2011 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Brownstown **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT WIDE X 30.00 FT LONG  
**PLOT AREA:** 300.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			PHBPU CON % 06/24/11	YIELD BU/A 10/11/11
		RATE	UNIT	TM		
1A»	PREFIX 5.32SL	1.33	LAA	9	98	46.0
B»	TOUCHDN TOTAL	1.04	LAA	13		
C»	LIQUID AMS	2.50	PMV	13		
2A	BOUNDARY 6.5EC	1.63	LAA	9	98	44.0
B»	TOUCHDN TOTAL	1.04	LAA	13		
C»	LIQUID AMS	2.50	PMV	13		
3A	BOUNDARY 6.5EC	1.63	LAA	9	99	48.0
B»	FLEXSTAR GT 3.	1.24	LAA	13		
C»	MSO	1.00	PMV	13		
D»	LIQUID AMS	2.50	PMV	13		
4A	BOUNDARY 6.5EC	1.63	LAA	9	95	46.0
B	FLEXSTAR 1.88	0.294	LAA	13		
C»	MSO	1.00	PMV	13		
D»	LIQUID AMS	2.50	PMV	13		
5A	BOUNDARY 6.5EC	1.63	LAA	9	99	44.0
B»	FLEXSTAR GT 3.	1.24	LAA	13		
C»	SUPERSPREAD MS	0.63	PMV	13		
D»	LIQUID AMS	2.50	PMV	13		
6A	BOUNDARY 6.5EC	1.63	LAA	9	99	49.0
B»	FLEXSTAR GT 3.	1.24	LAA	13		
C»	BRIMSTONE	3.00	PMA	13		
D»	SUPERSPREAD MS	0.63	PMV	13		
E»	LIQUID AMS	2.50	PMV	13		
7A»	ENVIVE 41.3SG	0.077	LAA	0	98	46.0
B	CLASSIC 25WG	0.017	LAA	9		
C»	HARMONY GT 50W	0.005	LAA	9		
D	VALOR 51WG	0.055	LAA	9		
E»	ABUNDIT EXTRA	0.75	LAA	13		
F»	LIQUID AMS	2.50	PMV	13		
8A»	ENLITE 47.86WG	0.084	LAA	0	99	51.0
B	CLASSIC 25WG	0.005	LAA	9		
C»	HARMONY GT 50W	0.0155	LAA	9		
D	VALOR 51WG	0.0635	LAA	9		
E»	ABUNDIT EXTRA	0.75	LAA	13		
F»	LIQUID AMS	2.50	PMV	13		
9A	CANOPY 75WG	0.188	LAA	9	98	49.0
B»	ABUNDIT EXTRA	0.75	LAA	13		
C»	LIQUID AMS	2.50	PMV	13		
10A»	VALOR XLT 40WG	0.088	LAA	0	98	49.0
B	CLASSIC 25WG	0.023	LAA	9		
C	VALOR 51WG	0.065	LAA	9		
D»	RNDUP POWERMAX	0.77	LAA	13		
E»	LIQUID AMS	2.50	PMV	13		
11A	PROWL H2O 3.8	1.19	LAA	9	95	50.0
B»	RNDUP POWERMAX	0.77	LAA	13		
C»	LIQUID AMS	2.50	PMV	13		
12A»	AUTHORITY XL 7	0.175	LAA	9	99	53.0
B»	RNDUP POWERMAX	0.77	LAA	13		
C»	LIQUID AMS	2.50	PMV	13		
13A»	AUTHOR. ASSIST	0.156	LAA	9	95	46.0
B»	TOUCHDN TOTAL	1.04	LAA	13		
C»	LIQUID AMS	2.50	PMV	13		

TITLE: Weed Control Systems in Roundup-Ready Soybean. E2-E3

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	PHBPU CON % 06/24/11	YIELD BU/A 10/11/11
14A»	FIERCE 76WG	0.14	LAA	9	97	51.0
	B»RNDUP POWERMAX	0.77	LAA	13		
	C»LIQUID AMS	2.50	PMV	13		
15A»	SONIC 70DF	0.197	LAA	9	99	54.0
	B»DURANGO 4AE	0.75	LAA	13		
	C»LIQUID AMS	2.50	PMV	13		
16A»	INTRRO 4EC	2.00	LAA	9	86	48.0
	B»TOUCHDN TOTAL	1.04	LAA	13		
	C»LIQUID AMS	2.50	PMV	13		
17A»	ANTHEM 2.15SE	0.134	LAA	9	99	51.0
	B»TOUCHDN TOTAL	1.04	LAA	13		
	C»LIQUID AMS	2.50	PMV	13		
18A»	OPTILL 68WG	0.085	LAA	9	99	48.0
	B»TOUCHDN TOTAL	1.04	LAA	13		
	C»LIQUID AMS	2.50	PMV	13		
19A	CHECK	0.00	NA	0	0	22.0
20A»	FLEXSTAR GT 3.	1.24	LAA	12	98	52.0
	B»SUPERSPREAD MS	0.63	PMV	12		
	C»LIQUID AMS	2.50	PMV	12		
21A»	FLEXSTAR GT 3.	1.24	LAA	12	97	42.0
	B»BRIMSTONE	3.00	PMA	12		
	C»SUPERSPREAD MS	0.63	PMV	12		
	D»LIQUID AMS	2.50	PMV	12		
22A»	ANTHEM 2.15SE	0.10	LAA	12	97	51.0
	B»RNDUP POWERMAX	0.77	LAA	12		
	C»LIQUID AMS	2.50	PMV	12		
23A»	PREFIX 5.32SL	1.33	LAA	12	98	50.0
	B»TOUCHDN TOTAL	1.04	LAA	12		
	C»LIQUID AMS	2.50	PMV	12		
24A»	TOUCHDN TOTAL	1.04	LAA	12	82	50.0
	B»LIQUID AMS	2.50	PMV	12		
	LSD (0.05)				3.83	6.22
	STANDARD DEVIATION				1.92	3.11

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 09 = ----- / PREEMERGENCE 05/25/2011(1)  
 12 = ----- / POST 06/16/2011(2)  
 13 = ----- / LPOST 06/24/2011(3)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	GLXMA	CON %	06/24/2011	01	P	GLXMA	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	PANDI	CON %	06/24/2011	02	P	PANDI	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/24/2011	03	P	CHEAL	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/24/2011	04	P	AMATA	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMBEL	CON %	06/24/2011	05	P	AMBEL	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ABUTH	CON %	06/24/2011	06	P	ABUTH	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	06/24/2011	07	P	PHBPU	17	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	YIELD	BU/A	10/11/2011	01	P	GLXMA		RAW	---	YLD	---	---	1.00 ---	NO	0001	0	Y

\* SEE INDIVIDUAL EVALUATION COMMENTS UNDER SPECIFIC TRIAL NOTES

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

01 = A 4703

\* STAGE CODE

15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH LEAF (4TH TRIFOLIATE LEAF) UNFOLDED, 5 NODES  
 16 = 6 LEAVES UNFOLDED

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17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED