

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
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	11	12	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/18/12	06/14/12	06/22/12	AME
AIR TEMPERATURE	74	80	80	F
% REL.HUMIDITY	28	35	67	
WIND DIRECTION	SOUTHEAST	SOUTHWEST	---	
WIND SPEED	4.0	5.0	0.0	M/H
CLOUD COVER	CLEAR	CLEAR	CLEAR	
DEW	NO	NO	YES	
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		---/14	---/17	
A 3231RR		8.00/8.00	12.0/12.0	IN
05/17/2012				
*** PEST ***				
WATERHEMP, COMMO		---/19	---/19	
		2.00/8.00	2.00/14.0	IN

* TIMING CODES

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

* STAGE CODE

14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES
17 = 7TH LEAF (5TH TRIFOLIATE LEAF) UNFOLDED, 6 NODES
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Herbicide Systems for Control of Gly. Resis. WH in Soybean. DOCO
CREATED: 04/29/2012 **REVISED:** 09/11/2012 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Douglas Co **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	TREATMENT	DOSAGE		GLXMA	AMATA	GLXMA	AMATA	GLXMA	AMATA
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/06/12	06/06/12	06/20/12	06/20/12	06/30/12	06/30/12
1A»	OPTILL PRO	0.00	LAA 0	0	95	0	83	9	83
B»	OPTILL 68WG	0.085	LAA 9						
C	OUTLOOK 6EC	0.47	LAA 9						
D»	RNDUP POWERMAX	0.77	LAA 12						
E	ULTRA BLAZER	0.313	LAA 12						
F»	N-PAK AMS	2.50	PMV 12						
2A»	VERDICT 5.57L	0.22	LAA 9	0	93	0	77	6	76
B	OUTLOOK 6EC	0.47	LAA 9						
C»	RNDUP POWERMAX	0.77	LAA 12						
D	ULTRA BLAZER	0.313	LAA 12						
E»	N-PAK AMS	2.50	PMV 12						
3A»	VERDICT 5.57L	0.22	LAA 9	0	95	0	86	8	79
B»	ZIDUA 85WG	0.106	LAA 9						
C»	RNDUP POWERMAX	0.77	LAA 12						
D	ULTRA BLAZER	0.313	LAA 12						
E»	N-PAK AMS	2.50	PMV 12						
4A»	PREFIX 5.32SL	1.33	LAA 9	0	96	0	76	8	75
B»	RNDUP POWERMAX	0.77	LAA 12						
C	ULTRA BLAZER	0.313	LAA 12						
D»	N-PAK AMS	2.50	PMV 12						
5A»	FIERCE XLT	0.00	LAA 0	8	99	1	91	9	88
B	CLASSIC 25WG	0.019	LAA 9						
C»	VALOR SX 51WDG	0.056	LAA 9						
D»	V-10206 85 WG	0.053	LAA 9						
E»	RNDUP POWERMAX	0.77	LAA 12						
F	ULTRA BLAZER	0.313	LAA 12						
G»	N-PAK AMS	2.50	PMV 12						
6A»	VALOR XLT 40WG	0.075	LAA 0	4	92	0	68	6	72
B	CLASSIC 25WG	0.019	LAA 9						
C»	VALOR SX 51WDG	0.056	LAA 9						
D»	RNDUP POWERMAX	0.77	LAA 12						
E	ULTRA BLAZER	0.313	LAA 12						
F»	N-PAK AMS	2.50	PMV 12						
7A»	AUTHORITY XL 7	0.175	LAA 9	0	82	0	52	9	68
B»	RNDUP POWERMAX	0.77	LAA 12						
C	ULTRA BLAZER	0.313	LAA 12						
D»	N-PAK AMS	2.50	PMV 12						
8A»	OPTILL PRO	0.00	LAA 0	0	96	0	79	9	79
B»	OPTILL 68WG	0.085	LAA 9						
C	OUTLOOK 6EC	0.47	LAA 9						
D»	RNDUP POWERMAX	0.77	LAA 12						
E	ULTRA BLAZER	0.313	LAA 12						
F»	ZIDUA 85WG	0.08	LAA 12						
G»	N-PAK AMS	2.50	PMV 12						
9A»	VALOR XLT 40WG	0.075	LAA 0	5	93	0	70	11	81
B	CLASSIC 25WG	0.019	LAA 9						
C»	VALOR SX 51WDG	0.056	LAA 9						
D»	RNDUP POWERMAX	0.77	LAA 12						
E	ULTRA BLAZER	0.313	LAA 12						
F»	WARRANT 3L	1.125	LAA 12						
G»	N-PAK AMS	2.50	PMV 12						
10A	BOUNDARY 6.5EC	1.42	LAA 9	0	99	0	78	6	69
B»	FLEXSTAR GT 3.	1.23	LAA 12						
C»	MSO	1.00	PMV 12						
D»	N-PAK AMS	2.50	PMV 12						

TITLE: Herbicide Systems for Control of Gly. Resis. WH in Soybean. D0C0

TRT	TREATMENT	DOSAGE		GLXMA	AMATA	GLXMA	AMATA	GLXMA	AMATA
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/06/12	06/06/12	06/20/12	06/20/12	06/30/12	06/30/12
11A	BOUNDARY 6.5EC	1.42	LAA 9	0	97	0	85	9	90
	B»FLEXSTAR GT 3.	1.23	LAA 12						
	C»WARRANT 3L	1.125	LAA 12						
	D»MSO	1.00	PMV 12						
	E»N-PAK AMS	2.50	PMV 12						
12A	TRICOR 75DF	0.188	LAA 9	0	83	0	62	9	67
	B»RNDUP POWERMAX	0.94	LAA 12						
	C ULTRA BLAZER	0.188	LAA 12						
	D»N-PAK AMS	2.50	PMV 12						
13A	TRICOR 75DF	0.188	LAA 9	0	85	0	67	9	70
	B»RNDUP POWERMAX	0.94	LAA 12						
	C STORM 4SL	0.375	LAA 12						
	D»N-PAK AMS	2.50	PMV 12						
14A	TRICOR 75DF	0.188	LAA 9	0	78	0	55	11	73
	B»RNDUP POWERMAX	0.94	LAA 12						
	C ULTRA BLAZER	0.375	LAA 12						
	D»N-PAK AMS	2.50	PMV 12						
15A	TRICOR 75DF	0.188	LAA 9	0	83	0	50	10	68
	B»RNDUP POWERMAX	0.94	LAA 12						
	C STORM 4SL	0.75	LAA 12						
	D»N-PAK AMS	2.50	PMV 12						
16A	FIERCE XLT	0.00	LAA 0	0	97	0	82	11	86
	B CLASSIC 25WG	0.019	LAA 9						
	C»VALOR SX 51WDG	0.056	LAA 9						
	D»V-10206 85 WG	0.053	LAA 9						
	E»RNDUP POWERMAX	0.77	LAA 12						
	F COBRA 2EC	0.156	LAA 12						
	G»N-PAK AMS	2.50	PMV 12						
17A	CHECK	0.00	NA 0	0	0	0	0	0	0
18A	RNDUP POWERMAX	0.77	LAA 11	0	0	0	43	8	68
	B»N-PAK AMS	2.50	PMV 11						
	C»RNDUP POWERMAX	1.55	LAA 12						
	D»N-PAK AMS	2.50	PMV 12						
19A	RNDUP POWERMAX	0.77	LAA 11	0	0	1	43	10	72
	B»N-PAK AMS	2.50	PMV 11						
	C»RNDUP POWERMAX	0.77	LAA 12						
	D ULTRA BLAZER	0.313	LAA 12						
	E»N-PAK AMS	2.50	PMV 12						
20A	ULTRA BLAZER	0.313	LAA 11	0	0	7	72	5	78
	B»N-PAK AMS	2.50	PMV 11						
	C»RNDUP POWERMAX	0.77	LAA 12						
	D»N-PAK AMS	2.50	PMV 12						
LSD (0.05)				2.00	9.50	2.47	11.50	3.15	11.87
STANDARD DEVIATION				1.00	4.70	1.22	5.69	1.56	5.87

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CREATED: 04/29/2012 **REVISED:** 09/11/2012 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Douglas Co **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	TREATMENT	DOSAGE	GLXMA	AMATA
NUM	COMPONENT	RATE	UNIT TM	CON %
			07/06/12	07/06/12
1A»	OPTILL PRO	0.00	LAA 0	2
B»	OPTILL 68WG	0.085	LAA 9	82
C	OUTLOOK 6EC	0.47	LAA 9	
D»	RNDUP POWERMAX	0.77	LAA 12	
E	ULTRA BLAZER	0.313	LAA 12	
F»	N-PAK AMS	2.50	PMV 12	
2A»	VERDICT 5.57L	0.22	LAA 9	2
B	OUTLOOK 6EC	0.47	LAA 9	72
C»	RNDUP POWERMAX	0.77	LAA 12	
D	ULTRA BLAZER	0.313	LAA 12	
E»	N-PAK AMS	2.50	PMV 12	
3A»	VERDICT 5.57L	0.22	LAA 9	2
B»	ZIDUA 85WG	0.106	LAA 9	80
C»	RNDUP POWERMAX	0.77	LAA 12	
D	ULTRA BLAZER	0.313	LAA 12	
E»	N-PAK AMS	2.50	PMV 12	
4A»	PREFIX 5.32SL	1.33	LAA 9	2
B»	RNDUP POWERMAX	0.77	LAA 12	69
C	ULTRA BLAZER	0.313	LAA 12	
D»	N-PAK AMS	2.50	PMV 12	
5A»	FIERCE XLT	0.00	LAA 0	1
B	CLASSIC 25WG	0.019	LAA 9	88
C»	VALOR SX 51WDG	0.056	LAA 9	
D»	V-10206 85 WG	0.053	LAA 9	
E»	RNDUP POWERMAX	0.77	LAA 12	
F	ULTRA BLAZER	0.313	LAA 12	
G»	N-PAK AMS	2.50	PMV 12	
6A»	VALOR XLT 40WG	0.075	LAA 0	2
B	CLASSIC 25WG	0.019	LAA 9	67
C»	VALOR SX 51WDG	0.056	LAA 9	
D»	RNDUP POWERMAX	0.77	LAA 12	
E	ULTRA BLAZER	0.313	LAA 12	
F»	N-PAK AMS	2.50	PMV 12	
7A»	AUTHORITY XL 7	0.175	LAA 9	3
B»	RNDUP POWERMAX	0.77	LAA 12	60
C	ULTRA BLAZER	0.313	LAA 12	
D»	N-PAK AMS	2.50	PMV 12	
8A»	OPTILL PRO	0.00	LAA 0	2
B»	OPTILL 68WG	0.085	LAA 9	78
C	OUTLOOK 6EC	0.47	LAA 9	
D»	RNDUP POWERMAX	0.77	LAA 12	
E	ULTRA BLAZER	0.313	LAA 12	
F»	ZIDUA 85WG	0.08	LAA 12	
G»	N-PAK AMS	2.50	PMV 12	
9A»	VALOR XLT 40WG	0.075	LAA 0	3
B	CLASSIC 25WG	0.019	LAA 9	83
C»	VALOR SX 51WDG	0.056	LAA 9	
D»	RNDUP POWERMAX	0.77	LAA 12	
E	ULTRA BLAZER	0.313	LAA 12	
F»	WARRANT 3L	1.125	LAA 12	
G»	N-PAK AMS	2.50	PMV 12	
10A	BOUNDARY 6.5EC	1.42	LAA 9	2
B»	FLEXSTAR GT 3.	1.23	LAA 12	74
C»	MSO	1.00	PMV 12	
D»	N-PAK AMS	2.50	PMV 12	

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TRT	TREATMENT	DOSAGE	GLXMA	AMATA
NUM	COMPONENT	RATE	CON %	CON %
		UNIT	TM	07/06/12
				07/06/12
11A	BOUNDARY 6.5EC	1.42	LAA 9	3
	B»FLEXSTAR GT 3.	1.23	LAA 12	89
	C»WARRANT 3L	1.125	LAA 12	
	D»MSO	1.00	PMV 12	
	E»N-PAK AMS	2.50	PMV 12	
12A	TRICOR 75DF	0.188	LAA 9	3
	B»RNDUP POWERMAX	0.94	LAA 12	63
	C ULTRA BLAZER	0.188	LAA 12	
	D»N-PAK AMS	2.50	PMV 12	
13A	TRICOR 75DF	0.188	LAA 9	2
	B»RNDUP POWERMAX	0.94	LAA 12	62
	C STORM 4SL	0.375	LAA 12	
	D»N-PAK AMS	2.50	PMV 12	
14A	TRICOR 75DF	0.188	LAA 9	2
	B»RNDUP POWERMAX	0.94	LAA 12	62
	C ULTRA BLAZER	0.375	LAA 12	
	D»N-PAK AMS	2.50	PMV 12	
15A	TRICOR 75DF	0.188	LAA 9	3
	B»RNDUP POWERMAX	0.94	LAA 12	57
	C STORM 4SL	0.75	LAA 12	
	D»N-PAK AMS	2.50	PMV 12	
16A	FIERCE XLT	0.00	LAA 0	3
	B CLASSIC 25WG	0.019	LAA 9	90
	C»VALOR SX 51WDG	0.056	LAA 9	
	D»V-10206 85 WG	0.053	LAA 9	
	E»RNDUP POWERMAX	0.77	LAA 12	
	F COBRA 2EC	0.156	LAA 12	
	G»N-PAK AMS	2.50	PMV 12	
17A	CHECK	0.00	NA 0	0
18A	RNDUP POWERMAX	0.77	LAA 11	2
	B»N-PAK AMS	2.50	PMV 11	67
	C»RNDUP POWERMAX	1.55	LAA 12	
	D»N-PAK AMS	2.50	PMV 12	
19A	RNDUP POWERMAX	0.77	LAA 11	2
	B»N-PAK AMS	2.50	PMV 11	67
	C»RNDUP POWERMAX	0.77	LAA 12	
	D ULTRA BLAZER	0.313	LAA 12	
	E»N-PAK AMS	2.50	PMV 12	
20A	ULTRA BLAZER	0.313	LAA 11	1
	B»N-PAK AMS	2.50	PMV 11	70
	C»RNDUP POWERMAX	0.77	LAA 12	
	D»N-PAK AMS	2.50	PMV 12	
LSD (0.05)			1.25	14.72
STANDARD DEVIATION			0.621	7.28

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/18/2012(1)
 11 = ----- / EPOST 06/14/2012(2)
 12 = ----- / POST 06/22/2012(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 %	06/06/2012	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMATA	CON %	06/06/2012	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	GLXMA	CON %	06/20/2012	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/20/2012	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	GLXMA	CON %	06/30/2012	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMATA	CON %	06/30/2012	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Herbicide Systems for Control of Gly. Resis. WH in Soybean. D0C0

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
007	GLXMA	CON %	07/06/2012	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMATA	CON %	07/06/2012	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = A 3231RR