

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.4
 %OM: 5.3
 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	13	
TYPE	LIQMIIX	LIQMIIX	LIQMIIX	
APPLICATION DATE	05/24/13	06/21/13	07/09/13	AME
AIR TEMPERATURE	55	85	88	F
% REL.HUMIDITY	42	55	75	
WIND DIRECTION	NORTH	NORTH	WEST	
WIND SPEED	4.0	7.0	3.0	M/H
CLOUD COVER	CLEAR	CLEAR	PARTCLDY	
DEW	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION				
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	---	---	---	
FOLIAGE HEIGHT				FT
FOLIAGE WIDTH				FT
ROW WIDTH				FT
SPRAY VOL LWA/TRV				
S VOL LWA/TRV UNIT				
LEAF WALL AREA				M2H
TREE ROW VOLUME				M3H
SPECIE AND STAGE	DEN / STG MIN / MAX	DEN / STG MIN / MAX	DEN / STG MIN / MAX	
CROP *				
P, SOYBEAN		---/16	---/18	
A 3231RR		7.00/7.00	14.0/14.0	IN
(PLANTED) 05/23/2013		29 DAP	47 DAP	
PEST *				
P, WATERHEMP, COMMO		---/19	---/19	
		2.00/4.00	2.00/18.0	IN

* TIMING CODES

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

* STAGE CODE

16 = 6TH LEAF (4TH TRIFOLIATE LEAF) UNFOLDED, 5 NODES
 18 = 8TH LEAF (6TH TRIFOLIATE LEAF) UNFOLDED, 7 NODES
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Herbicide Systems for Control of Gly. Resis. WH in Soybean. DOCO
CREATED: 04/30/2013 **REVISED:** 09/26/2013 **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 %
				06/11/13	06/11/13	06/28/13	06/28/13	07/05/13	07/05/13
1A»	RNDUP POWERMAX	0.77	LAA 11	0	0	5	37	9	53
B»	N-PAK AMS	2.50	PMV 11						
C»	RNDUP POWERMAX	1.55	LAA 13						
D»	N-PAK AMS	2.50	PMV 13						
2A»	RNDUP POWERMAX	0.77	LAA 11	0	0	5	30	8	55
B»	N-PAK AMS	2.50	PMV 11						
C»	RNDUP POWERMAX	0.77	LAA 13						
D	ULTRA BLAZER	0.375	LAA 13						
E»	N-PAK AMS	2.50	PMV 13						
3A	ULTRA BLAZER	0.375	LAA 11	0	0	15	90	10	99
B»	N-PAK AMS	2.50	PMV 11						
C»	RNDUP POWERMAX	0.77	LAA 13						
D»	N-PAK AMS	2.50	PMV 13						
4A»	OPTILL PRO	0.00	LAA 0	11	99	8	99	15	99
B»	OPTILL 68WG	0.085	LAA 9						
C	OUTLOOK 6EC	0.47	LAA 9						
D»	RNDUP POWERMAX	0.77	LAA 13						
E	ULTRA BLAZER	0.375	LAA 13						
F»	N-PAK AMS	2.50	PMV 13						
5A»	VERDICT 5.57L	0.22	LAA 9	12	99	7	98	15	99
B	OUTLOOK 6EC	0.47	LAA 9						
C»	RNDUP POWERMAX	0.77	LAA 13						
D	ULTRA BLAZER	0.375	LAA 13						
E»	N-PAK AMS	2.50	PMV 13						
6A»	VERDICT 5.57L	0.22	LAA 9	15	99	9	99	12	99
B»	ZIDUA 85WG	0.106	LAA 9						
C»	RNDUP POWERMAX	0.77	LAA 13						
D	ULTRA BLAZER	0.375	LAA 13						
E»	N-PAK AMS	2.50	PMV 13						
7A»	PREFIX 5.32SL	1.33	LAA 9	1	99	1	99	9	99
B»	RNDUP POWERMAX	0.77	LAA 13						
C	ULTRA BLAZER	0.375	LAA 13						
D»	N-PAK AMS	2.50	PMV 13						
8A»	FIERCE XLT	3.00	OMA 0	10	99	4	99	9	99
B	CLASSIC 25WG	0.013	LAA 9						
C»	VALOR SX 51WDG	0.046	LAA 9						
D»	V-10206 85 WG	0.058	LAA 9						
E»	RNDUP POWERMAX	0.77	LAA 13						
F	ULTRA BLAZER	0.375	LAA 13						
G»	N-PAK AMS	2.50	PMV 13						
9A»	VALOR XLT 40WG	3.00	OMA 0	9	99	7	99	8	93
B	CLASSIC 25WG	0.019	LAA 9						
C»	VALOR SX 51WDG	0.056	LAA 9						
D»	RNDUP POWERMAX	0.77	LAA 13						
E	ULTRA BLAZER	0.313	LAA 13						
F»	N-PAK AMS	2.50	PMV 13						
10A»	AUTHORITY XL 7	0.175	LAA 9	3	99	2	99	7	90
B»	RNDUP POWERMAX	0.77	LAA 13						
C	ULTRA BLAZER	0.375	LAA 13						
D»	N-PAK AMS	2.50	PMV 13						
11A»	OPTILL PRO	0.00	LAA 0	11	99	7	99	12	99
B»	OPTILL 68WG	0.085	LAA 9						
C	OUTLOOK 6EC	0.47	LAA 9						
D»	RNDUP POWERMAX	0.77	LAA 13						
E	ULTRA BLAZER	0.375	LAA 13						
F	OUTLOOK 6EC	0.47	LAA 13						
G»	N-PAK AMS	2.50	PMV 13						

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

TRT	TREATMENT	DOSAGE		GLXMA	AMATA	GLXMA	AMATA	GLXMA	AMATA
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/11/13	06/11/13	06/28/13	06/28/13	07/05/13	07/05/13
12A»	VALOR XLT 40WG	3.00	OMA 0	11	99	6	99	9	98
	B CLASSIC 25WG	0.019	LAA 9						
	C»VALOR SX 51WDG	0.056	LAA 9						
	D»RNDUP POWERMAX	0.77	LAA 13						
	E ULTRA BLAZER	0.375	LAA 13						
	F»WARRANT 3L	1.125	LAA 13						
	G»N-PAK AMS	2.50	PMV 13						
13A»	PREFIX 5.32SL	1.33	LAA 9	1	99	1	99	10	99
	B»TOUCHDN TOTAL	1.04	LAA 13						
	C»N-PAK AMS	2.50	PMV 13						
14A	BOUNDARY 6.5EC	1.42	LAA 9	0	99	1	99	9	99
	B»TOUCHDN TOTAL	1.04	LAA 13						
	C»N-PAK AMS	2.50	PMV 13						
15A	BOUNDARY 6.5EC	1.42	LAA 9	1	99	0	98	8	99
	B»FLEXSTAR GT 3.	1.41	LAA 13						
	C»MSO	1.00	PMV 13						
	D»N-PAK AMS	2.50	PMV 13						
16A	CHECK	0.00	NA 0	0	0	0	0	0	0
		LSD (0.05)		1.77	0.241	5.56	13.06	3.38	8.54
		STANDARD DEVIATION		0.864	0.118	2.72	6.39	1.66	4.18

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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	CON %	CON %
		UNIT	TM	07/17/13
				07/17/13
1A»	RNDUP POWERMAX	0.77	LAA 11	15
B»	N-PAK AMS	2.50	PMV 11	75
C»	RNDUP POWERMAX	1.55	LAA 13	
D»	N-PAK AMS	2.50	PMV 13	
2A»	RNDUP POWERMAX	0.77	LAA 11	35
B»	N-PAK AMS	2.50	PMV 11	87
C»	RNDUP POWERMAX	0.77	LAA 13	
D	ULTRA BLAZER	0.375	LAA 13	
E»	N-PAK AMS	2.50	PMV 13	
3A	ULTRA BLAZER	0.375	LAA 11	13
B»	N-PAK AMS	2.50	PMV 11	99
C»	RNDUP POWERMAX	0.77	LAA 13	
D»	N-PAK AMS	2.50	PMV 13	
4A»	OPTILL PRO	0.00	LAA 0	33
B»	OPTILL 68WG	0.085	LAA 9	99
C	OUTLOOK 6EC	0.47	LAA 9	
D»	RNDUP POWERMAX	0.77	LAA 13	
E	ULTRA BLAZER	0.375	LAA 13	
F»	N-PAK AMS	2.50	PMV 13	
5A»	VERDICT 5.57L	0.22	LAA 9	40
B	OUTLOOK 6EC	0.47	LAA 9	99
C»	RNDUP POWERMAX	0.77	LAA 13	
D	ULTRA BLAZER	0.375	LAA 13	
E»	N-PAK AMS	2.50	PMV 13	
6A»	VERDICT 5.57L	0.22	LAA 9	38
B»	ZIDUA 85WG	0.106	LAA 9	99
C»	RNDUP POWERMAX	0.77	LAA 13	
D	ULTRA BLAZER	0.375	LAA 13	
E»	N-PAK AMS	2.50	PMV 13	
7A»	PREFIX 5.32SL	1.33	LAA 9	40
B»	RNDUP POWERMAX	0.77	LAA 13	99
C	ULTRA BLAZER	0.375	LAA 13	
D»	N-PAK AMS	2.50	PMV 13	
8A»	FIERCE XLT	3.00	OMA 0	40
B	CLASSIC 25WG	0.013	LAA 9	99
C»	VALOR SX 51WDG	0.046	LAA 9	
D»	V-10206 85 WG	0.058	LAA 9	
E»	RNDUP POWERMAX	0.77	LAA 13	
F	ULTRA BLAZER	0.375	LAA 13	
G»	N-PAK AMS	2.50	PMV 13	
9A»	VALOR XLT 40WG	3.00	OMA 0	40
B	CLASSIC 25WG	0.019	LAA 9	99
C»	VALOR SX 51WDG	0.056	LAA 9	
D»	RNDUP POWERMAX	0.77	LAA 13	
E	ULTRA BLAZER	0.313	LAA 13	
F»	N-PAK AMS	2.50	PMV 13	
10A»	AUTHORITY XL 7	0.175	LAA 9	40
B»	RNDUP POWERMAX	0.77	LAA 13	99
C	ULTRA BLAZER	0.375	LAA 13	
D»	N-PAK AMS	2.50	PMV 13	
11A»	OPTILL PRO	0.00	LAA 0	42
B»	OPTILL 68WG	0.085	LAA 9	99
C	OUTLOOK 6EC	0.47	LAA 9	
D»	RNDUP POWERMAX	0.77	LAA 13	
E	ULTRA BLAZER	0.375	LAA 13	
F	OUTLOOK 6EC	0.47	LAA 13	
G»	N-PAK AMS	2.50	PMV 13	

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TRT	TREATMENT	DOSAGE	GLXMA	AMATA
NUM	COMPONENT	RATE	CON %	CON %
		UNIT	TM	07/17/13
12A»	VALOR XLT 40WG	3.00	OMA 0	40 99
	B CLASSIC 25WG	0.019	LAA 9	
	C»VALOR SX 51WDG	0.056	LAA 9	
	D»RNDUP POWERMAX	0.77	LAA 13	
	E ULTRA BLAZER	0.375	LAA 13	
	F»WARRANT 3L	1.125	LAA 13	
	G»N-PAK AMS	2.50	PMV 13	
13A»	PREFIX 5.32SL	1.33	LAA 9	3 99
	B»TOUCHDN TOTAL	1.04	LAA 13	
	C»N-PAK AMS	2.50	PMV 13	
14A	BOUNDARY 6.5EC	1.42	LAA 9	0 99
	B»TOUCHDN TOTAL	1.04	LAA 13	
	C»N-PAK AMS	2.50	PMV 13	
15A	BOUNDARY 6.5EC	1.42	LAA 9	20 99
	B»FLEXSTAR GT 3.	1.41	LAA 13	
	C»MSO	1.00	PMV 13	
	D»N-PAK AMS	2.50	PMV 13	
16A	CHECK	0.00	NA 0	0 0
		LSD (0.05)		8.79 6.91
		STANDARD DEVIATION		4.30 3.39

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
09 = ----- / PREEMERGENCE 05/24/2013(1)
11 = ----- / EPOST 06/21/2013(2)
13 = ----- / LPOST 07/09/2013(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 %	06/11/2013	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMATA	CON %	06/11/2013	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	GLXMA	CON %	06/28/2013	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/28/2013	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	GLXMA	CON %	07/05/2013	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMATA	CON %	07/05/2013	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	07/17/2013	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMATA	CON %	07/17/2013	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = A 3231RR