

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.6
%OM: 4.7
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: 0
PLOT WIDTH: 7.5 X 30 FEET
PLOT AREA: 225 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/10/12	06/05/12	06/08/12	AME
AIR TEMPERATURE	70	74	79	F
% REL.HUMIDITY	32	62	24	
WIND DIRECTION	NORTHEAST	---	---	
WIND SPEED	2.0	0.0	0.0	M/H
CLOUD COVER	CLEAR	CLEAR	CLEAR	
DEW	NO	NO	NO	
SOIL MOISTURE	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	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SCREEN SIZE				
SCREEN SZ DESC	NA	NA	NA	
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	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	---/15	
A 3231RR		5.00/5.00	6.00/6.00	IN
05/10/2012				
*** PEST ***				
WATERHEMP, COMMO			---/19	
			1.00/4.00	IN
LAMBSQUARTERS, C			---/19	
			1.00/4.00	IN
MORNINGGLORY, TA			---/16	
			1.00/4.00	IN
FOXTAIL, GIANT		---/13	---/15	
		2.00/4.00	2.00/6.00	IN

* TIMING CODES

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

* STAGE CODE

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

TITLE: Anthem and Premerence Residual Comparison in Soybean. AS-200
CREATED: 04/13/2012 **REVISED:** 09/11/2012 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 06/05/12	SETFA CON % 06/05/12	CHEAL CON % 06/05/12	AMATA CON % 06/05/12	PHBPU CON % 06/05/12	GLXMA CON % 06/14/12
1A»AUTHOR. FIRST	0.28	LAA	9	0	27	99	99	70	0
B SELECT (2EC)	0.125	LAA	11						
C»COC	1.00	PMV	11						
2A»AUTHORITY XL 7	0.28	LAA	9	0	40	99	99	73	0
B SELECT (2EC)	0.125	LAA	11						
C»COC	1.00	PMV	11						
3A»AUTHOR. ASSIST	0.375	LAA	9	0	63	99	99	79	0
B SELECT (2EC)	0.125	LAA	11						
C»COC	1.00	PMV	11						
4A»VALOR XLT 40WG	0.125	LAA	0	0	40	99	99	65	0
B CLASSIC 25WG	0.032	LAA	9						
C VALOR 51WG	0.093	LAA	9						
D SELECT (2EC)	0.125	LAA	11						
E»COC	1.00	PMV	11						
5A»FIERCE 76WG	0.14	LAA	9	0	47	99	99	33	0
B SELECT (2EC)	0.125	LAA	11						
C»COC	1.00	PMV	11						
6A»PREFIX 5.32SL	1.33	LAA	9	0	70	99	99	30	0
B SELECT (2EC)	0.125	LAA	11						
C»COC	1.00	PMV	11						
7A»OPTILL 68WG	0.085	LAA	9	0	43	99	99	47	0
B SELECT (2EC)	0.125	LAA	11						
C»COC	1.00	PMV	11						
8A»AUTHORITY XL 7	0.175	LAA	9	0	33	99	99	59	4
B»ANTHEM 2.15SE	0.10	LAA	11						
C»RNDUP POWERMAX	0.77	LAA	11						
D»LIQUID AMS	2.50	PMV	11						
9A CHECK	0.00	NA	0	0	0	0	0	0	0
10A»AUTHORITY XL 7	0.175	LAA	9	0	40	99	99	72	8
B»PREFIX 5.32SL	1.33	LAA	11						
C»RNDUP POWERMAX	0.77	LAA	11						
D»LIQUID AMS	2.50	PMV	11						
11A»AUTHOR. ASSIST	0.25	LAA	9	0	67	99	99	68	7
B»F9324 3L	0.17	LAA	12						
C»RNDUP POWERMAX	0.77	LAA	12						
D»LIQUID AMS	2.50	PMV	12						
12A BOUNDARY 6.5EC	1.42	LAA	9	0	78	99	99	23	11
B»FLEXSTAR GT 3.	1.24	LAA	12						
C»MSO	0.50	PMV	12						
D»LIQUID AMS	2.50	PMV	12						
LSD (0.05)				0.00	11.22	0.00	0.00	11.61	1.92
STANDARD DEVIATION				0.00	5.41	0.00	0.00	5.60	0.924

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PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 06/22/12	SETFA CON % 06/22/12	CHEAL CON % 06/22/12	AMATA CON % 06/22/12	PHBPU CON % 06/22/12	GLXMA CON % 07/05/12
1A»AUTHOR. FIRST	0.28	LAA	9	0	99	97	91	78	0
B SELECT (2EC)	0.125	LAA	11						
C»COC	1.00	PMV	11						
2A»AUTHORITY XL 7	0.28	LAA	9	0	97	99	98	73	0
B SELECT (2EC)	0.125	LAA	11						
C»COC	1.00	PMV	11						
3A»AUTHOR. ASSIST	0.375	LAA	9	0	98	99	98	89	0
B SELECT (2EC)	0.125	LAA	11						
C»COC	1.00	PMV	11						
4A»VALOR XLT 40WG	0.125	LAA	0	0	97	99	99	60	0
B CLASSIC 25WG	0.032	LAA	9						
C VALOR 51WG	0.093	LAA	9						
D SELECT (2EC)	0.125	LAA	11						
E»COC	1.00	PMV	11						
5A»FIERCE 76WG	0.14	LAA	9	0	98	99	99	55	0
B SELECT (2EC)	0.125	LAA	11						
C»COC	1.00	PMV	11						
6A»PREFIX 5.32SL	1.33	LAA	9	0	99	99	99	52	0
B SELECT (2EC)	0.125	LAA	11						
C»COC	1.00	PMV	11						
7A»OPTILL 68WG	0.085	LAA	9	0	98	99	83	68	0
B SELECT (2EC)	0.125	LAA	11						
C»COC	1.00	PMV	11						
8A»AUTHORITY XL 7	0.175	LAA	9	0	99	99	99	98	0
B»ANTHEM 2.15SE	0.10	LAA	11						
C»RNDUP POWERMAX	0.77	LAA	11						
D»LIQUID AMS	2.50	PMV	11						
9A CHECK	0.00	NA	0	0	0	0	0	0	0
10A»AUTHORITY XL 7	0.175	LAA	9	4	99	99	99	98	0
B»PREFIX 5.32SL	1.33	LAA	11						
C»RNDUP POWERMAX	0.77	LAA	11						
D»LIQUID AMS	2.50	PMV	11						
11A»AUTHOR. ASSIST	0.25	LAA	9	2	99	99	99	97	0
B»F9324 3L	0.17	LAA	12						
C»RNDUP POWERMAX	0.77	LAA	12						
D»LIQUID AMS	2.50	PMV	12						
12A BOUNDARY 6.5EC	1.42	LAA	9	3	99	99	99	93	0
B»FLEXSTAR GT 3.	1.24	LAA	12						
C»MSO	0.50	PMV	12						
D»LIQUID AMS	2.50	PMV	12						
LSD (0.05)				2.00	1.35	1.69	9.44	7.91	0.00
STANDARD DEVIATION				0.942	0.65	0.817	4.55	3.81	0.00

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LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	SETFA CON % 07/05/12	CHEAL CON % 07/05/12	AMATA CON % 07/05/12	PHBPU CON % 07/05/12
1A»AUTHOR. FIRST	0.28	LAA	9	98	99	93	79
B SELECT (2EC)	0.125	LAA	11				
C»COC	1.00	PMV	11				
2A»AUTHORITY XL 7	0.28	LAA	9	98	99	99	75
B SELECT (2EC)	0.125	LAA	11				
C»COC	1.00	PMV	11				
3A»AUTHOR. ASSIST	0.375	LAA	9	98	99	99	89
B SELECT (2EC)	0.125	LAA	11				
C»COC	1.00	PMV	11				
4A»VALOR XLT 40WG	0.125	LAA	0	97	99	99	60
B CLASSIC 25WG	0.032	LAA	9				
C VALOR 51WG	0.093	LAA	9				
D SELECT (2EC)	0.125	LAA	11				
E»COC	1.00	PMV	11				
5A»FIERCE 76WG	0.14	LAA	9	99	99	99	52
B SELECT (2EC)	0.125	LAA	11				
C»COC	1.00	PMV	11				
6A»PREFIX 5.32SL	1.33	LAA	9	99	99	95	47
B SELECT (2EC)	0.125	LAA	11				
C»COC	1.00	PMV	11				
7A»OPTILL 68WG	0.085	LAA	9	99	99	77	58
B SELECT (2EC)	0.125	LAA	11				
C»COC	1.00	PMV	11				
8A»AUTHORITY XL 7	0.175	LAA	9	98	99	99	97
B»ANTHEM 2.15SE	0.10	LAA	11				
C»RNDUP POWERMAX	0.77	LAA	11				
D»LIQUID AMS	2.50	PMV	11				
9A CHECK	0.00	NA	0	0	0	0	0
10A»AUTHORITY XL 7	0.175	LAA	9	98	99	99	98
B»PREFIX 5.32SL	1.33	LAA	11				
C»RNDUP POWERMAX	0.77	LAA	11				
D»LIQUID AMS	2.50	PMV	11				
11A»AUTHOR. ASSIST	0.25	LAA	9	99	99	99	97
B»F9324 3L	0.17	LAA	12				
C»RNDUP POWERMAX	0.77	LAA	12				
D»LIQUID AMS	2.50	PMV	12				
12A BOUNDARY 6.5EC	1.42	LAA	9	99	99	99	89
B»FLEXSTAR GT 3.	1.24	LAA	12				
C»MSO	0.50	PMV	12				
D»LIQUID AMS	2.50	PMV	12				
LSD (0.05)				0.928	0.00	9.14	9.73
STANDARD DEVIATION				0.448	0.00	4.41	4.69

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/10/2012(1)
 11 = ----- / EPOST 06/05/2012(2)
 12 = ----- / POST 06/08/2012(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 %	06/05/2012	01	P	GLXMA	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Anthem and Premergence Residual Comparison in Soybean. AS-200

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
002	SETFA	CON %	06/05/2012	02	P	SETFA	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/05/2012	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/05/2012	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	06/05/2012	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	06/14/2012	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	06/22/2012	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/22/2012	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	06/22/2012	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	06/22/2012	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	PHBPU	CON %	06/22/2012	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	GLXMA	CON %	07/05/2012	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	SETFA	CON %	07/05/2012	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	CHEAL	CON %	07/05/2012	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	AMATA	CON %	07/05/2012	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	PHBPU	CON %	07/05/2012	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = A 3231RR

* STAGE CODE

13 = 3 LEAVES UNFOLDED

14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES