

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	12	13	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	06/06/13	06/28/13	07/12/13	AME
AIR TEMPERATURE	64	83	77	F
% REL.HUMIDITY	50	47	53	
WIND DIRECTION	NORTHEAST	NORTHWEST	NORTHEAST	
WIND SPEED	3.0	9.0	5.0	M/H
CLOUD COVER	PARTCLDY	PARTCLDY	CLEAR	
DEW	NO	NO	NO	
SOIL MOISTURE	MOIST/DRY	MOIST/MOI	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	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	---	---	---	
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		---/14	---/18	
N-74R		7.00/7.00	12.0/12.0	IN
(PLANTED) 06/05/2013		23 DAP	37 DAP	
PEST *				
P, VELVETLEAF			---/16 2.00/6.00	IN
P, WATERHEMP, COMMO			---/19 2.00/10.0	IN
P, LAMBSQUARTERS, C			---/19 1.00/6.00	IN
P, MORNINGGLORY, TA			---/18 1.00/6.00	IN
P, FOXTAIL, GIANT		---/16 3.00/6.00	---/18 2.00/10.0	IN
P, COCKLEBUR, COMMO			---/18 2.00/12.0	IN

*** TIMING CODES**

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

*** STAGE CODE**

14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES
16 = 6 LEAVES UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH LEAF (6TH TRIFOLIATE LEAF) UNFOLDED, 7 NODES
18 = 8 LEAVES UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Authority Combinations for Weed Control Systems in RR Soybean. AS-100
CREATED: 05/02/2013 **REVISED:** 09/05/2013 **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 % 06/17/13	SETFA CON % 06/17/13	CHEAL CON % 06/17/13	AMATA CON % 06/17/13	ABUTH CON % 06/17/13	PHBPU CON % 06/17/13
1A»AUTHORITY XL 7	0.28	LAA	9	0	67	97	96	77	63
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
2A AUTHORITY FIRS	0.28	LAA	9	0	72	99	99	90	88
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
3A»AUTHOR. MAXX 6	0.35	LAA	9	0	72	99	99	93	87
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
4A»VALOR XLT 40WG	5.00	OMA	0	0	68	99	99	90	78
B CLASSIC 25WG	0.032	LAA	9						
C VALOR 51WG	0.093	LAA	9						
D SELECT (2EC)	0.125	LAA	12						
E»COC	1.00	PMV	12						
5A»AUTHOR. ASSIST	0.375	LAA	9	0	62	99	99	98	91
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
6A»OPTILL 68WG	0.085	LAA	9	0	68	99	99	81	73
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
7A»AUTHOR. ELITE	1.75	LAA	9	0	92	99	99	93	85
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
8A»PREFIX 5.32SL	1.33	LAA	9	0	87	99	99	70	68
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
9A»FIERCE 76WG	0.14	LAA	9	0	67	99	99	87	69
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
10A CHECK	0.00	NA	0	0	0	0	0	0	0
11A»AUTHORITY XL 7	0.175	LAA	9	0	67	98	97	92	83
B»ANTHEM 2.15SE	0.101	LAA	9						
C SELECT (2EC)	0.125	LAA	12						
D»COC	1.00	PMV	12						
12A»FIERCE XLT	3.75	OMA	0	0	53	88	93	70	57
B CLASSIC 25WG	0.016	LAA	9						
C VALOR 51WG	0.058	LAA	9						
D»V-10206 85 WG	0.073	LAA	9						
E SELECT (2EC)	0.125	LAA	12						
F»COC	1.00	PMV	12						
LSD (0.05)				0.00	10.68	3.56	3.70	9.00	11.57
STANDARD DEVIATION				0.00	5.15	1.72	1.78	4.36	5.58

TITLE: Authority Combinations for Weed Control Systems in RR Soybean. AS-100
CREATED: 05/02/2013 **REVISED:** 09/05/2013 **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	XANST CON % 06/17/13	GLXMA CON % 06/28/13	SETFA CON % 06/28/13	CHEAL CON % 06/28/13	AMATA CON % 06/28/13	ABUTH CON % 06/28/13
1A»AUTHORITY XL 7	0.28	LAA	9	50	0	50	90	85	63
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
2A AUTHORITY FIRS	0.28	LAA	9	78	0	58	99	99	84
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
3A»AUTHOR. MAXX 6	0.35	LAA	9	70	0	60	97	98	86
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
4A»VALOR XLT 40WG	5.00	OMA	0	60	0	58	95	97	83
B CLASSIC 25WG	0.032	LAA	9						
C VALOR 51WG	0.093	LAA	9						
D SELECT (2EC)	0.125	LAA	12						
E»COC	1.00	PMV	12						
5A»AUTHOR. ASSIST	0.375	LAA	9	68	0	50	98	96	90
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
6A»OPTILL 68WG	0.085	LAA	9	52	0	57	93	92	72
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
7A»AUTHOR. ELITE	1.75	LAA	9	63	0	84	99	99	86
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
8A»PREFIX 5.32SL	1.33	LAA	9	55	0	80	96	96	60
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
9A»FIERCE 76WG	0.14	LAA	9	52	0	57	96	95	80
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
10A CHECK	0.00	NA	0	0	0	0	0	0	0
11A»AUTHORITY XL 7	0.175	LAA	9	58	0	55	95	93	85
B»ANTHEM 2.15SE	0.101	LAA	9						
C SELECT (2EC)	0.125	LAA	12						
D»COC	1.00	PMV	12						
12A»FIERCE XLT	3.75	OMA	0	48	0	45	78	86	58
B CLASSIC 25WG	0.016	LAA	9						
C VALOR 51WG	0.058	LAA	9						
D»V-10206 85 WG	0.073	LAA	9						
E SELECT (2EC)	0.125	LAA	12						
F»COC	1.00	PMV	12						
LSD (0.05)				17.00	0.00	13.00	6.33	5.79	9.74
STANDARD DEVIATION				8.19	0.00	6.26	3.05	2.79	4.70

TITLE: Authority Combinations for Weed Control Systems in RR Soybean. AS-100
CREATED: 05/02/2013 **REVISED:** 09/05/2013 **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	PHBPU CON % 06/28/13	XANST CON % 06/28/13	GLXMA CON % 07/23/13	SETFA CON % 07/23/13	CHEAL CON % 07/23/13	AMATA CON % 07/23/13
1A»AUTHORITY XL 7	0.28	LAA	9	53	33	0	99	99	99
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
2A AUTHORITY FIRS	0.28	LAA	9	81	67	0	99	99	99
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
3A»AUTHOR. MAXX 6	0.35	LAA	9	79	58	0	99	99	99
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
4A»VALOR XLT 40WG	5.00	OMA	0	68	48	0	99	99	99
B CLASSIC 25WG	0.032	LAA	9						
C VALOR 51WG	0.093	LAA	9						
D SELECT (2EC)	0.125	LAA	12						
E»COC	1.00	PMV	12						
5A»AUTHOR. ASSIST	0.375	LAA	9	83	55	0	99	99	99
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
6A»OPTILL 68WG	0.085	LAA	9	63	40	0	99	99	99
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
7A»AUTHOR. ELITE	1.75	LAA	9	78	50	0	99	99	99
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
8A»PREFIX 5.32SL	1.33	LAA	9	55	40	0	99	99	99
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
9A»FIERCE 76WG	0.14	LAA	9	57	40	0	99	99	99
B SELECT (2EC)	0.125	LAA	12						
C»COC	1.00	PMV	12						
10A CHECK	0.00	NA	0	0	0	0	0	0	0
11A»AUTHORITY XL 7	0.175	LAA	9	74	47	0	99	99	99
B»ANTHEM 2.15SE	0.101	LAA	9						
C SELECT (2EC)	0.125	LAA	12						
D»COC	1.00	PMV	12						
12A»FIERCE XLT	3.75	OMA	0	50	37	0	99	99	99
B CLASSIC 25WG	0.016	LAA	9						
C VALOR 51WG	0.058	LAA	9						
D»V-10206 85 WG	0.073	LAA	9						
E SELECT (2EC)	0.125	LAA	12						
F»COC	1.00	PMV	12						
LSD (0.05)				13.91	14.08	0.00	0.00	0.00	0.00
STANDARD DEVIATION				6.71	6.79	0.00	0.00	0.00	0.00

TITLE: Authority Combinations for Weed Control Systems in RR Soybean. AS-100
CREATED: 05/02/2013 **REVISED:** 09/05/2013 **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	ABUTH CON % 07/23/13	PHBPU CON % 07/23/13	XANST CON % 07/23/13
1A»AUTHORITY XL 7	0.28	LAA	9	99	97	99
B SELECT (2EC)	0.125	LAA	12			
C»COC	1.00	PMV	12			
2A AUTHORITY FIRS	0.28	LAA	9	99	97	99
B SELECT (2EC)	0.125	LAA	12			
C»COC	1.00	PMV	12			
3A»AUTHOR. MAXX 6	0.35	LAA	9	99	97	99
B SELECT (2EC)	0.125	LAA	12			
C»COC	1.00	PMV	12			
4A»VALOR XLT 40WG	5.00	OMA	0	99	84	99
B CLASSIC 25WG	0.032	LAA	9			
C VALOR 51WG	0.093	LAA	9			
D SELECT (2EC)	0.125	LAA	12			
E»COC	1.00	PMV	12			
5A»AUTHOR. ASSIST	0.375	LAA	9	99	98	99
B SELECT (2EC)	0.125	LAA	12			
C»COC	1.00	PMV	12			
6A»OPTILL 68WG	0.085	LAA	9	99	92	99
B SELECT (2EC)	0.125	LAA	12			
C»COC	1.00	PMV	12			
7A»AUTHOR. ELITE	1.75	LAA	9	99	91	99
B SELECT (2EC)	0.125	LAA	12			
C»COC	1.00	PMV	12			
8A»PREFIX 5.32SL	1.33	LAA	9	99	73	99
B SELECT (2EC)	0.125	LAA	12			
C»COC	1.00	PMV	12			
9A»FIERCE 76WG	0.14	LAA	9	99	82	99
B SELECT (2EC)	0.125	LAA	12			
C»COC	1.00	PMV	12			
10A CHECK	0.00	NA	0	0	0	0
11A»AUTHORITY XL 7	0.175	LAA	9	99	89	99
B»ANTHEM 2.15SE	0.101	LAA	9			
C SELECT (2EC)	0.125	LAA	12			
D»COC	1.00	PMV	12			
12A»FIERCE XLT	3.75	OMA	0	99	89	99
B CLASSIC 25WG	0.016	LAA	9			
C VALOR 51WG	0.058	LAA	9			
D»V-10206 85 WG	0.073	LAA	9			
E SELECT (2EC)	0.125	LAA	12			
F»COC	1.00	PMV	12			
LSD (0.05)				0.00	7.57	0.00
STANDARD DEVIATION				0.00	3.65	0.00

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 06/06/2013(1)
 12 = ----- / POST 06/28/2013(2)

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 %	06/17/2013	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Authority Combinations for Weed Control Systems in RR Soybean. AS-100

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 %	06/17/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/17/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/17/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/17/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/17/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	XANST	CON %	06/17/2013	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	GLXMA	CON %	06/28/2013	01	P	GLXMA	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	06/28/2013	02	P	SETFA	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/28/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	06/28/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	06/28/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	06/28/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST	CON %	06/28/2013	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	GLXMA	CON %	07/23/2013	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	07/23/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	CHEAL	CON %	07/23/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	AMATA	CON %	07/23/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ABUTH	CON %	07/23/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	PHBPU	CON %	07/23/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	XANST	CON %	07/23/2013	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = N-74R

* STAGE CODE

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

16 = 6 LEAVES UNFOLDED