

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.6
 %OM: 4.7
 PREV.CROP: GLXMA - soybean;soya bean;soybean
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET
 PLOT AREA: 225 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQUID MI	
APPLICATION DATE	05/31/16	AME
TIME - BEGIN	11:30	24H
TIME - END	12:00	24H
AIR TEMPERATURE	75	F
% REL.HUMIDITY	68	
WIND DIRECTION	SOUTH	
WIND SPEED	4.0	M/H
CLOUD COVER	PAR.CLOUD	
DEW	NO	
SOIL MOISTURE	MOIST/MOI	
SOIL CONDITION	TO BE SEL	
SOIL TEMP/DEPTH	75/4.00	F/IN
METHOD	SPRAY	
EQUIPMENT	BACKPACK/	
PROPELLANT	COMPRESSE	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE DESCRIPTION		
NOZZLE VOLUME	0.00	GPM
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SCREEN SIZE		
SCREEN SZ DESC	NA	
SWATH WIDTH	7.5	FT
BOOM HEIGHT	20.0	IN
SPEED	3.00	M/H
MIX SIZE	0.330	
MIX SIZE UNIT	GAL	
SPRAY VOLUME	20.00	
SPRAY VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	TO BE SEL	
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	
CROP *		
P, dent corn	---/14	
N68K-3111A	10.0/12.0	IN
(PLANTED) 04/19/2016	42 DAP	
PEST *		
P, velvetleaf;velve	---/14	
	2.00/4.00	IN
P, tall amaranth;co	---/16	
	1.00/2.00	IN
P, common lambsquar	---/16	
	1.00/2.00	IN

*** CONTINUE

SPECIE AND STAGE	DEN / STG	
	MIN / MAX	
PEST *		
P, common morning g	---/13 2.00/4.00	IN
P, giant foxtail;no	---/14 2.00/6.00	IN
P, beach cocklebur;	---/14 3.00/5.00	IN

*** TIMING CODES**

12 = --- / POST

*** STAGE CODE**

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 14 = 4 LEAVES UNFOLDED
 14 = 4 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Solstice Combinations for Weed Control in RR/LL Corn. AS-100
CREATED: 04/10/2016 **REVISED:** 08/09/2016 **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 NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	ZEAMD	SETFA	CHEAL	AMATA	ABUTH
		RATE	UNIT	TM	CON % 06/03/16	CON % 06/07/16	CON % 06/07/16	CON % 06/07/16	CON % 06/07/16	CON % 06/07/16
1A»	SOLSTICE 4L	0.098	LAA	12	11	4	98	99	99	99
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	COC	0.50	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
2A»	ARMEZON 2.8SC	0.016	LAA	12	1	0	90	99	99	99
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	MISO	1.00	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
3A»	STATUS 56DG	0.175	LAA	12	0	0	98	99	99	99
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	COC	0.50	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
4A»	SOLSTICE 4L	0.098	LAA	12	4	0	93	99	99	99
B	ATRAZINE DF	1.00	LAA	12						
C»	RNDUP POWERMAX	1.125	LAA	12						
D»	COC	0.50	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
5A»	CAPRENO 3.45 S	0.081	LAA	12	5	3	98	99	99	99
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
6A»	SOLSTICE 4L	0.094	LAA	12	5	1	98	99	99	99
B»	DIFLEXX 4L	0.375	LAA	12						
C»	RNDUP POWERMAX	1.125	LAA	12						
D»	COC	0.50	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
7A»	DIFLEXX DUO 1.	0.29	LAA	12	1	0	98	99	99	99
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	COC	0.50	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
8A»	SOLSTICE 4L	0.078	LAA	12	10	6	99	99	99	99
B»	ANTHEM MAXX 4.	0.067	LAA	12						
C»	RNDUP POWERMAX	1.125	LAA	12						
D»	COC	0.50	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
9A»	ARMEZON PRO 5.	0.75	LAA	12	0	0	96	99	99	99
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	COC	0.50	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A»	LAUDIS 3.5SC	0.082	LAA	12	0	0	84	99	99	99
B	ATRAZINE DF	0.50	LAA	12						
C»	RNDUP POWERMAX	1.125	LAA	12						
D»	COC	1.00	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
12A»	LAUDIS 3.5SC	0.082	LAA	12	1	0	95	99	99	99
B	ATRAZINE DF	0.50	LAA	12						
C»	LIBERTY 2.34L	0.40	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			2.6	1.9	2.4	0.0	0.0	0.0
		STANDARD DEVIATION			1.3	0.9	1.2	0.0	0.0	0.0

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			PHBPU CON % 06/07/16	XANST CON % 06/07/16	ZEAMD CON % 06/14/16	SETFA CON % 06/14/16	CHEAL CON % 06/14/16	AMATA CON % 06/14/16
		RATE	UNIT	TM						
1A»	SOLSTICE 4L	0.098	LAA	12	97	99	1	94	99	99
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	COC	0.50	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
2A»	ARMEZON 2.8SC	0.016	LAA	12	79	99	0	94	99	99
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	MISO	1.00	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
3A»	STATUS 56DG	0.175	LAA	12	95	99	0	96	99	99
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	COC	0.50	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
4A»	SOLSTICE 4L	0.098	LAA	12	98	99	0	96	99	99
B	ATRAZINE DF	1.00	LAA	12						
C»	RNDUP POWERMAX	1.125	LAA	12						
D»	COC	0.50	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
5A»	CAPRENO 3.45 S	0.081	LAA	12	84	99	1	98	99	99
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
6A»	SOLSTICE 4L	0.094	LAA	12	98	99	0	97	99	99
B»	DIFLEXX 4L	0.375	LAA	12						
C»	RNDUP POWERMAX	1.125	LAA	12						
D»	COC	0.50	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
7A»	DIFLEXX DUO 1.	0.29	LAA	12	95	99	0	98	99	99
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	COC	0.50	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
8A»	SOLSTICE 4L	0.078	LAA	12	98	99	3	98	99	99
B»	ANTHEM MAXX 4.	0.067	LAA	12						
C»	RNDUP POWERMAX	1.125	LAA	12						
D»	COC	0.50	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
9A»	ARMEZON PRO 5.	0.75	LAA	12	72	99	0	99	99	99
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	COC	0.50	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A»	LAUDIS 3.5SC	0.082	LAA	12	97	99	0	89	99	99
B	ATRAZINE DF	0.50	LAA	12						
C»	RNDUP POWERMAX	1.125	LAA	12						
D»	COC	1.00	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
12A»	LAUDIS 3.5SC	0.082	LAA	12	98	99	0	86	99	99
B	ATRAZINE DF	0.50	LAA	12						
C»	LIBERTY 2.34L	0.40	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			3.3	0.0	2.5	2.2	0.0	0.0
		STANDARD DEVIATION			1.6	0.0	1.2	1.1	0.0	0.0

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

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ABUTH CON % 06/14/16	PHBPU CON % 06/14/16	XANST CON % 06/14/16	ZEAMD CON % 06/24/16	SETFA CON % 06/24/16	CHEAL CON % 06/24/16
		RATE	UNIT	TM						
1A»	SOLSTICE 4L	0.098	LAA	12	99	97	99	0	90	99
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	COC	0.50	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
2A»	ARMEZON 2.8SC	0.016	LAA	12	99	81	99	0	86	99
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	MISO	1.00	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
3A»	STATUS 56DG	0.175	LAA	12	99	91	99	0	92	99
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	COC	0.50	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
4A»	SOLSTICE 4L	0.098	LAA	12	99	98	99	0	96	99
B	ATRAZINE DF	1.00	LAA	12						
C»	RNDUP POWERMAX	1.125	LAA	12						
D»	COC	0.50	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
5A»	CAPRENO 3.45 S	0.081	LAA	12	99	89	99	0	96	99
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
6A»	SOLSTICE 4L	0.094	LAA	12	99	98	99	0	89	99
B»	DIFLEXX 4L	0.375	LAA	12						
C»	RNDUP POWERMAX	1.125	LAA	12						
D»	COC	0.50	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
7A»	DIFLEXX DUO 1.	0.29	LAA	12	99	97	99	0	93	99
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	COC	0.50	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
8A»	SOLSTICE 4L	0.078	LAA	12	99	99	99	0	98	99
B»	ANTHEM MAXX 4.	0.067	LAA	12						
C»	RNDUP POWERMAX	1.125	LAA	12						
D»	COC	0.50	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
9A»	ARMEZON PRO 5.	0.75	LAA	12	99	86	99	0	98	99
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	COC	0.50	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A»	LAUDIS 3.5SC	0.082	LAA	12	99	99	99	0	93	99
B	ATRAZINE DF	0.50	LAA	12						
C»	RNDUP POWERMAX	1.125	LAA	12						
D»	COC	1.00	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
12A»	LAUDIS 3.5SC	0.082	LAA	12	99	97	99	0	76	99
B	ATRAZINE DF	0.50	LAA	12						
C»	LIBERTY 2.34L	0.40	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
	LSD (0.05)				0.0	3.1	0.0	0.0	3.9	0.0
	STANDARD DEVIATION				0.0	1.5	0.0	0.0	1.9	0.0

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

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			AMATA	ABUTH	PHBPU	XANST
		RATE	UNIT	TM	CON % 06/24/16	CON % 06/24/16	CON % 06/24/16	CON % 06/24/16
1A	SOLSTICE 4L	0.098	LAA	12	99	99	93	98
B	RNDUP POWERMAX	1.125	LAA	12				
C	COC	0.50	PMV	12				
D	LIQUID AMS	2.50	PMV	12				
2A	ARMEZON 2.8SC	0.016	LAA	12	99	99	77	86
B	RNDUP POWERMAX	1.125	LAA	12				
C	MISO	1.00	PMV	12				
D	LIQUID AMS	2.50	PMV	12				
3A	STATUS 56DG	0.175	LAA	12	99	99	89	97
B	RNDUP POWERMAX	1.125	LAA	12				
C	COC	0.50	PMV	12				
D	LIQUID AMS	2.50	PMV	12				
4A	SOLSTICE 4L	0.098	LAA	12	99	99	96	99
B	ATRAZINE DF	1.00	LAA	12				
C	RNDUP POWERMAX	1.125	LAA	12				
D	COC	0.50	PMV	12				
E	LIQUID AMS	2.50	PMV	12				
5A	CAPRENO 3.45 S	0.081	LAA	12	99	99	96	98
B	RNDUP POWERMAX	1.125	LAA	12				
C	LIQUID AMS	2.50	PMV	12				
6A	SOLSTICE 4L	0.094	LAA	12	99	99	95	98
B	DIFLEXX 4L	0.375	LAA	12				
C	RNDUP POWERMAX	1.125	LAA	12				
D	COC	0.50	PMV	12				
E	LIQUID AMS	2.50	PMV	12				
7A	DIFLEXX DUO 1.	0.29	LAA	12	99	99	91	97
B	RNDUP POWERMAX	1.125	LAA	12				
C	COC	0.50	PMV	12				
D	LIQUID AMS	2.50	PMV	12				
8A	SOLSTICE 4L	0.078	LAA	12	99	99	96	97
B	ANTHEM MAXX 4.	0.067	LAA	12				
C	RNDUP POWERMAX	1.125	LAA	12				
D	COC	0.50	PMV	12				
E	LIQUID AMS	2.50	PMV	12				
9A	ARMEZON PRO 5.	0.75	LAA	12	99	99	80	94
B	RNDUP POWERMAX	1.125	LAA	12				
C	COC	0.50	PMV	12				
D	LIQUID AMS	2.50	PMV	12				
10A	CHECK	0.00	NA	0	0	0	0	0
11A	LAUDIS 3.5SC	0.082	LAA	12	99	99	96	98
B	ATRAZINE DF	0.50	LAA	12				
C	RNDUP POWERMAX	1.125	LAA	12				
D	COC	1.00	PMV	12				
E	LIQUID AMS	2.50	PMV	12				
12A	LAUDIS 3.5SC	0.082	LAA	12	99	99	91	97
B	ATRAZINE DF	0.50	LAA	12				
C	LIBERTY 2.34L	0.40	LAA	12				
D	LIQUID AMS	2.50	PMV	12				
LSD (0.05)					0.0	0.0	4.4	7.0
STANDARD DEVIATION					0.0	0.0	2.1	3.4

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING

* TIMING CODES

12 = --- / POST 05/31/2016(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	CON %	06/03/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ZEAMD	CON %	06/07/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	SETFA	CON %	06/07/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/07/2016	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMATA	CON %	06/07/2016	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ABUTH	CON %	06/07/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	06/07/2016	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	XANST	CON %	06/07/2016	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ZEAMD	CON %	06/14/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	SETFA	CON %	06/14/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	CHEAL	CON %	06/14/2016	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	AMATA	CON %	06/14/2016	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ABUTH	CON %	06/14/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	PHBPU	CON %	06/14/2016	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	XANST	CON %	06/14/2016	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	ZEAMD	CON %	06/24/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	SETFA	CON %	06/24/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	CHEAL	CON %	06/24/2016	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	AMATA	CON %	06/24/2016	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	ABUTH	CON %	06/24/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	PHBPU	CON %	06/24/2016	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	XANST	CON %	06/24/2016	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = N68K-3111A