

SOIL INFORMATION

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

TRIAL INFORMATION

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	11	
TYPE	LIQUID MI	
APPLICATION DATE	05/18/15	AME
AIR TEMPERATURE	72	F
% REL.HUMIDITY	71	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	6.0	M/H
CLOUD COVER	PAR.CLOUD	
DEW	NO	
SOIL MOISTURE	MOIST/MOI	
SOIL CONDITION	TO BE SEL	
METHOD	SPRAY	
EQUIPMENT	BACKPACK/	
PROPELLANT	COMPRESSE	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE DESCRIPTION		
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SCREEN SIZE		
SCREEN SZ DESC	NA	
SWATH WIDTH	7.5	FT
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, CORN, DENT	---/13	
GH G10 D98-3122	6.00/7.00	IN
(PLANTED) 05/24/2015	-6 DAP	
PEST *		
P, VELVETLEAF	---/13 1.00/3.00	IN
P, WATERHEMP, COMMO	---/18 1.00/3.00	IN
P, LAMBSQUARTERS, C	---/15 1.00/1.00	IN
P, MORNINGGLORY, TA	---/13 1.00/2.00	IN
P, FOXTAIL, GIANT	---/13 1.00/3.00	IN
P, COCKLEBUR, COMMO	---/14 2.00/4.00	IN

*** TIMING CODES**

11 = --- / EPOST

*** STAGE CODE**

13	=	3	LEAVES	UNFOLDED		
13	=	3	LEAVES	UNFOLDED		
13	=	3RD	TRUE	LEAVES/LEAF	PAIRS/WHORLS	UNFOLDED
14	=	4TH	TRUE	LEAVES/LEAF	PAIRS/WHORLS	UNFOLDED
15	=	5TH	TRUE	LEAVES/LEAF	PAIRS/WHORLS	UNFOLDED
18	=	8TH	TRUE	LEAVES/LEAF	PAIRS/WHORLS	UNFOLDED

TITLE: Solstice Combinations for Weed Control Systems in RR/LL Corn. AS-200
CREATED: 04/16/2015 **REVISED:** 07/22/2015 **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	ZEAMD CON % 05/21/15	ZEAMD CON % 05/24/15	SETFA CON % 05/24/15	CHEAL CON % 05/24/15	AMATA CON % 05/24/15	ABUTH CON % 05/24/15
1A»SOLSTICE 4L	0.094	LAA	11	4	5	99	99	99	99
B»RNDUP POWERMAX	1.125	LAA	11						
C»LIQUID AMS	2.50	PMV	11						
2A»SOLSTICE 4L	0.094	LAA	11	7	10	99	99	99	99
B»RNDUP POWERMAX	1.125	LAA	11						
C»COC	1.00	PMV	11						
D»LIQUID AMS	2.50	PMV	11						
3A»SOLSTICE 4L	0.078	LAA	11	3	2	99	99	99	99
B ATRAZINE DF	0.50	LAA	11						
C»RNDUP POWERMAX	1.125	LAA	11						
D»LIQUID AMS	2.50	PMV	11						
4A»SOLSTICE 4L	0.078	LAA	11	4	6	99	99	99	99
B ATRAZINE DF	1.00	LAA	11						
C»RNDUP POWERMAX	1.125	LAA	11						
D»LIQUID AMS	2.50	PMV	11						
5A»SOLSTICE 4L	0.078	LAA	11	4	2	99	99	99	99
B»ANTHEM MAXX 4.	0.067	LAA	11						
C»RNDUP POWERMAX	1.125	LAA	11						
D»LIQUID AMS	2.50	PMV	11						
6A»SOLSTICE 4L	0.078	LAA	11	4	7	99	99	99	99
B»ANTHEM MAXX 4.	0.067	LAA	11						
C ATRAZINE DF	0.50	LAA	11						
D»RNDUP POWERMAX	1.125	LAA	11						
E»LIQUID AMS	2.50	PMV	11						
7A»CADET 0.91EC	0.005	LAA	11	3	3	99	99	99	99
B»DIFLEXX 4L	0.375	LAA	11						
C»RNDUP POWERMAX	1.125	LAA	11						
D»LIQUID AMS	2.50	PMV	11						
8A»LAUDIS 3.5SC	0.082	LAA	11	0	1	99	99	99	99
B»RNDUP POWERMAX	1.125	LAA	11						
C»COC	1.00	PMV	11						
D»LIQUID AMS	2.50	PMV	11						
9A»STATUS 56DG	0.105	LAA	11	0	0	99	99	99	99
B»RNDUP POWERMAX	1.125	LAA	11						
C»ACTIVATOR 90	0.25	PMV	11						
D»LIQUID AMS	2.50	PMV	11						
10A»HALEX GT 4.38L	1.97	LAA	11	0	7	99	99	99	99
B»ACTIVATOR 90	0.25	PMV	11						
C»LIQUID AMS	2.50	PMV	11						
11A CHECK	0.00	NA	0	0	0	0	0	0	0
12A»BAS 677 03H 5.	0.84	LAA	11	24	19	99	99	99	99
B»RNDUP POWERMAX	1.125	LAA	11						
C»COC	1.00	PMV	11						
D»LIQUID AMS	2.50	PMV	11						
LSD (0.05)				2.59	4.36	0.00	0.00	0.00	0.00
STANDARD DEVIATION				1.25	2.10	0.00	0.00	0.00	0.00

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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	PHBPU CON % 05/24/15	XANST CON % 05/24/15	ZEAMD CON % 05/31/15	SETFA CON % 05/31/15	CHEAL CON % 05/31/15	AMATA CON % 05/31/15
1A»SOLSTICE 4L	0.094	LAA	11	99	99	0	97	99	99
B»RNDUP POWERMAX	1.125	LAA	11						
C»LIQUID AMS	2.50	PMV	11						
2A»SOLSTICE 4L	0.094	LAA	11	99	99	0	97	99	99
B»RNDUP POWERMAX	1.125	LAA	11						
C»COC	1.00	PMV	11						
D»LIQUID AMS	2.50	PMV	11						
3A»SOLSTICE 4L	0.078	LAA	11	99	99	0	99	99	99
B ATRAZINE DF	0.50	LAA	11						
C»RNDUP POWERMAX	1.125	LAA	11						
D»LIQUID AMS	2.50	PMV	11						
4A»SOLSTICE 4L	0.078	LAA	11	99	99	0	97	99	99
B ATRAZINE DF	1.00	LAA	11						
C»RNDUP POWERMAX	1.125	LAA	11						
D»LIQUID AMS	2.50	PMV	11						
5A»SOLSTICE 4L	0.078	LAA	11	99	99	0	99	99	99
B»ANTHEM MAXX 4.	0.067	LAA	11						
C»RNDUP POWERMAX	1.125	LAA	11						
D»LIQUID AMS	2.50	PMV	11						
6A»SOLSTICE 4L	0.078	LAA	11	99	99	0	99	99	99
B»ANTHEM MAXX 4.	0.067	LAA	11						
C ATRAZINE DF	0.50	LAA	11						
D»RNDUP POWERMAX	1.125	LAA	11						
E»LIQUID AMS	2.50	PMV	11						
7A»CADET 0.91EC	0.005	LAA	11	99	99	0	97	99	99
B»DIFLEXX 4L	0.375	LAA	11						
C»RNDUP POWERMAX	1.125	LAA	11						
D»LIQUID AMS	2.50	PMV	11						
8A»LAUDIS 3.5SC	0.082	LAA	11	90	93	0	98	99	99
B»RNDUP POWERMAX	1.125	LAA	11						
C»COC	1.00	PMV	11						
D»LIQUID AMS	2.50	PMV	11						
9A»STATUS 56DG	0.105	LAA	11	93	96	0	97	99	99
B»RNDUP POWERMAX	1.125	LAA	11						
C»ACTIVATOR 90	0.25	PMV	11						
D»LIQUID AMS	2.50	PMV	11						
10A»HALEX GT 4.38L	1.97	LAA	11	92	94	0	99	99	99
B»ACTIVATOR 90	0.25	PMV	11						
C»LIQUID AMS	2.50	PMV	11						
11A CHECK	0.00	NA	0	0	0	0	0	0	0
12A»BAS 677 03H 5.	0.84	LAA	11	99	99	1	99	99	98
B»RNDUP POWERMAX	1.125	LAA	11						
C»COC	1.00	PMV	11						
D»LIQUID AMS	2.50	PMV	11						
LSD (0.05)				4.20	1.82	0.564	2.16	0.00	0.642
STANDARD DEVIATION				2.00	0.875	0.272	1.00	0.00	0.31

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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 TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	ABUTH CON % 05/31/15	PHBPU CON % 05/31/15	XANST CON % 05/31/15	ZEAMD CON % 06/15/15	SETFA CON % 06/15/15	CHEAL CON % 06/15/15
1A»SOLSTICE 4L	0.094	LAA	11	99	91	87	0	85	99
B»RNDUP POWERMAX	1.125	LAA	11						
C»LIQUID AMS	2.50	PMV	11						
2A»SOLSTICE 4L	0.094	LAA	11	99	92	91	0	86	99
B»RNDUP POWERMAX	1.125	LAA	11						
C»COC	1.00	PMV	11						
D»LIQUID AMS	2.50	PMV	11						
3A»SOLSTICE 4L	0.078	LAA	11	99	95	94	0	91	99
B ATRAZINE DF	0.50	LAA	11						
C»RNDUP POWERMAX	1.125	LAA	11						
D»LIQUID AMS	2.50	PMV	11						
4A»SOLSTICE 4L	0.078	LAA	11	99	98	96	0	94	99
B ATRAZINE DF	1.00	LAA	11						
C»RNDUP POWERMAX	1.125	LAA	11						
D»LIQUID AMS	2.50	PMV	11						
5A»SOLSTICE 4L	0.078	LAA	11	99	95	91	0	97	99
B»ANTHEM MAXX 4.	0.067	LAA	11						
C»RNDUP POWERMAX	1.125	LAA	11						
D»LIQUID AMS	2.50	PMV	11						
6A»SOLSTICE 4L	0.078	LAA	11	99	92	92	0	96	99
B»ANTHEM MAXX 4.	0.067	LAA	11						
C ATRAZINE DF	0.50	LAA	11						
D»RNDUP POWERMAX	1.125	LAA	11						
E»LIQUID AMS	2.50	PMV	11						
7A»CADET 0.91EC	0.005	LAA	11	99	95	96	0	75	99
B»DIFLEXX 4L	0.375	LAA	11						
C»RNDUP POWERMAX	1.125	LAA	11						
D»LIQUID AMS	2.50	PMV	11						
8A»LAUDIS 3.5SC	0.082	LAA	11	99	94	90	0	77	99
B»RNDUP POWERMAX	1.125	LAA	11						
C»COC	1.00	PMV	11						
D»LIQUID AMS	2.50	PMV	11						
9A»STATUS 56DG	0.105	LAA	11	99	93	90	0	86	99
B»RNDUP POWERMAX	1.125	LAA	11						
C»ACTIVATOR 90	0.25	PMV	11						
D»LIQUID AMS	2.50	PMV	11						
10A»HALEX GT 4.38L	1.97	LAA	11	99	96	96	0	97	99
B»ACTIVATOR 90	0.25	PMV	11						
C»LIQUID AMS	2.50	PMV	11						
11A CHECK	0.00	NA	0	0	0	0	0	0	0
12A»BAS 677 03H 5.	0.84	LAA	11	99	91	87	0	99	99
B»RNDUP POWERMAX	1.125	LAA	11						
C»COC	1.00	PMV	11						
D»LIQUID AMS	2.50	PMV	11						
LSD (0.05)				0.00	4.31	4.86	0.00	6.75	0.00
STANDARD DEVIATION				0.00	2.08	2.34	0.00	3.26	0.00

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

REPS: 03

TRT	TREATMENT	DOSAGE		AMATA	ABUTH	PHBPU	XANST
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %
				06/15/15	06/15/15	06/15/15	06/15/15
1A»	SOLSTICE 4L	0.094	LAA 11	99	99	81	86
B»	RNDUP POWERMAX	1.125	LAA 11				
C»	LIQUID AMS	2.50	PMV 11				
2A»	SOLSTICE 4L	0.094	LAA 11	99	99	82	86
B»	RNDUP POWERMAX	1.125	LAA 11				
C»	COC	1.00	PMV 11				
D»	LIQUID AMS	2.50	PMV 11				
3A»	SOLSTICE 4L	0.078	LAA 11	99	99	87	91
B	ATRAZINE DF	0.50	LAA 11				
C»	RNDUP POWERMAX	1.125	LAA 11				
D»	LIQUID AMS	2.50	PMV 11				
4A»	SOLSTICE 4L	0.078	LAA 11	99	99	89	96
B	ATRAZINE DF	1.00	LAA 11				
C»	RNDUP POWERMAX	1.125	LAA 11				
D»	LIQUID AMS	2.50	PMV 11				
5A»	SOLSTICE 4L	0.078	LAA 11	99	99	82	85
B»	ANTHEM MAXX 4.	0.067	LAA 11				
C»	RNDUP POWERMAX	1.125	LAA 11				
D»	LIQUID AMS	2.50	PMV 11				
6A»	SOLSTICE 4L	0.078	LAA 11	99	99	86	91
B»	ANTHEM MAXX 4.	0.067	LAA 11				
C	ATRAZINE DF	0.50	LAA 11				
D»	RNDUP POWERMAX	1.125	LAA 11				
E»	LIQUID AMS	2.50	PMV 11				
7A»	CADET 0.91EC	0.005	LAA 11	99	99	82	93
B»	DIFLEXX 4L	0.375	LAA 11				
C»	RNDUP POWERMAX	1.125	LAA 11				
D»	LIQUID AMS	2.50	PMV 11				
8A»	LAUDIS 3.5SC	0.082	LAA 11	99	99	83	80
B»	RNDUP POWERMAX	1.125	LAA 11				
C»	COC	1.00	PMV 11				
D»	LIQUID AMS	2.50	PMV 11				
9A»	STATUS 56DG	0.105	LAA 11	99	99	77	81
B»	RNDUP POWERMAX	1.125	LAA 11				
C»	ACTIVATOR 90	0.25	PMV 11				
D»	LIQUID AMS	2.50	PMV 11				
10A»	HALEX GT 4.38L	1.97	LAA 11	99	99	89	95
B»	ACTIVATOR 90	0.25	PMV 11				
C»	LIQUID AMS	2.50	PMV 11				
11A	CHECK	0.00	NA 0	0	0	0	0
12A»	BAS 677 03H 5.	0.84	LAA 11	99	99	83	80
B»	RNDUP POWERMAX	1.125	LAA 11				
C»	COC	1.00	PMV 11				
D»	LIQUID AMS	2.50	PMV 11				
LSD (0.05)				0.00	0.00	5.00	7.10
STANDARD DEVIATION				0.00	0.00	2.43	3.42

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING

11 = --- / EPOST 05/18/2015(1)

TITLE: Solstice Combinations for Weed Control Systems in RR/LL Corn. AS-200

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	CON %	05/21/2015	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ZEAMD	CON %	05/24/2015	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	SETFA	CON %	05/24/2015	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	05/24/2015	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMATA	CON %	05/24/2015	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ABUTH	CON %	05/24/2015	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	05/24/2015	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	XANST	CON %	05/24/2015	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ZEAMD	CON %	05/31/2015	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	SETFA	CON %	05/31/2015	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	CHEAL	CON %	05/31/2015	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	AMATA	CON %	05/31/2015	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ABUTH	CON %	05/31/2015	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	PHBPU	CON %	05/31/2015	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	XANST	CON %	05/31/2015	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	ZEAMD	CON %	06/15/2015	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	SETFA	CON %	06/15/2015	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	CHEAL	CON %	06/15/2015	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	AMATA	CON %	06/15/2015	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	ABUTH	CON %	06/15/2015	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	PHBPU	CON %	06/15/2015	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	XANST	CON %	06/15/2015	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = GH G10 D98-3122