

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	08/27/14	06/20/14	06/23/14	AME
AIR TEMPERATURE	84	82	83	F
% REL.HUMIDITY	43	65	71	
WIND DIRECTION	SOUTHWEST	WEST	SOUTHEAST	
WIND SPEED	4.0	4.0	4.0	M/H
CLOUD COVER	PARTCLDY	PARTCLDY	CLEAR	
DEW	NO	---	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	MOIST/MOI	
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		---/12	---/16	
S34 Z1 RR		6.00/6.00	8.00/8.00	IN
(PLANTED) 05/27/2014		24 DAP	27 DAP	
PEST *				
P, VELVETLEAF		---/13 1.00/2.00	---/14 1.00/3.00	IN
P, WATERHEMP, COMMO		---/17 1.00/3.00	---/19 1.00/6.00	IN
P, LAMBSQUARTERS, C		---/17 1.00/1.00	---/19 1.00/2.00	IN
P, MORNINGGLORY, TA		---/12 1.00/4.00	---/15 1.00/5.00	IN
P, FOXTAIL, GIANT		---/12 1.00/3.00	---/14 1.00/4.00	IN

\* TIMING CODES

09 = ----- / PREEMERGENCE

**\* TIMING CODES**

11 = ----- / EPOST  
12 = ----- / POST

**\* STAGE CODE**

12 = 2 LEAVES (UNIFOLIATE FIRST LEAF PAIR) UNFOLDED, 1 NODE  
12 = 2 LEAVES UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4 LEAVES UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6TH LEAF (4TH TRIFOLIATE LEAF) UNFOLDED, 5 NODES  
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Weed Control Systems in RR Soybean. AS-200  
**CREATED:** 05/04/2014 **REVISED:** 11/04/2014 **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			GLXMA	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/20/14	CON % 06/20/14	CON % 06/20/14	CON % 06/20/14	CON % 06/20/14	CON % 06/20/14
1A	AUTHORITY FIRS	0.28	LAA	9	0	80	99	99	99	96
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»ANTHEM 2.15SE	0.10	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
2A	AUTHOR. MAXX 6	0.25	LAA	9	0	83	99	98	99	93
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»ANTHEM 2.15SE	0.10	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
3A	PREFIX 5.32SL	1.33	LAA	9	0	98	99	99	62	60
	B»TOUCHDN TOTAL	1.05	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
4A	BOUNDARY 6.5EC	1.42	LAA	9	0	96	99	99	62	53
	B»TOUCHDN TOTAL	1.05	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
5A	VALOR XLT 40WG	3.50	OMA	0	0	75	99	99	99	84
	B CLASSIC 25WG	0.023	LAA	9						
	C»VALOR SX 51WDG	0.065	LAA	9						
	D»RNDUP POWERMAX	1.05	LAA	11						
	E»LIQUID AMS	2.50	PMV	11						
6A	AUTHORITY XL 7	0.175	LAA	9	0	83	99	99	99	84
	B»RNDUP POWERMAX	1.05	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
7A	OUTLOOK 6EC	0.56	LAA	11	C	C	C	C	C	C
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
8A	WARRANT 3L	1.125	LAA	11	C	C	C	C	C	C
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
9A	ANTHEM 2.15SE	0.134	LAA	11	C	C	C	C	C	C
	B»WEATHERMAX 4.5	0.77	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
10A	ANTHEM 2.15SE	0.10	LAA	11	C	C	C	C	C	C
	B FLEXSTAR 1.88	0.147	LAA	11						
	C»WEATHERMAX 4.5	0.77	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
11A	SONIC 70DF	0.131	LAA	9	0	68	99	99	91	82
	B»DURANGO 4AE	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
12A	SONIC 70DF	0.197	LAA	9	0	86	99	99	99	91
	B»DURANGO 4AE	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
13A	SONIC 70DF	0.263	LAA	9	0	90	99	99	99	92
	B»DURANGO 4AE	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
14A	SONIC 70DF	0.131	LAA	9	0	63	99	88	78	68
	B»DURANGO 4AE	0.75	LAA	12						
	C FIRSTRATE 84WG	0.016	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
15A	SURVEIL CO-PAC	2.40	OMA	0	0	85	99	99	99	89
	B»VALOR SX 51WDG	0.064	LAA	9						
	C FIRSTRATE 84WG	0.021	LAA	9						
	D»DURANGO 4AE	0.75	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						

## TITLE: Weed Control Systems in RR Soybean. AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/20/14	CON % 06/20/14	CON % 06/20/14	CON % 06/20/14	CON % 06/20/14	CON % 06/20/14
16A	SURVEIL CO-PAC	3.60	OMA	0	0	84	99	99	99	88
	B>VALOR SX 51WDG	0.096	LAA	9						
	C FIRSTRATE 84WG	0.032	LAA	9						
	D>DURANGO 4AE	0.75	LAA	12						
	E>LIQUID AMS	2.50	PMV	12						
17A	BOUNDARY 6.5EC	1.42	LAA	9	0	98	99	99	72	53
	B>FLEXSTAR GT 3.	1.41	LAA	12						
	C>MSO	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
18A	VERDICT 5.57L	0.22	LAA	9	0	99	99	99	99	93
	B>ZIDUA 85WG	0.106	LAA	9						
	C>RNDUP POWERMAX	1.05	LAA	12						
	D>LIQUID AMS	2.50	PMV	12						
19A	FIERCE XLT	3.75	OMA	0	0	99	99	99	99	92
	B>V-10206 85 WG	0.073	LAA	9						
	C CLASSIC 25WG	0.016	LAA	9						
	D>VALOR SX 51WDG	0.058	LAA	9						
	E>RNDUP POWERMAX	1.05	LAA	12						
	F>LIQUID AMS	2.50	PMV	12						
20A	OPTILL PRO	0.00	LAA	0	0	99	99	99	99	92
	B>OPTILL 68WG	0.085	LAA	9						
	C OUTLOOK 6EC	0.47	LAA	9						
	D>RNDUP POWERMAX	1.05	LAA	12						
	E>LIQUID AMS	2.50	PMV	12						
21A	CHECK	0.00	NA	0	0	0	0	0	0	0
22A	AUTHORITY FIRS	0.28	LAA	9	0	99	99	99	99	96
	B>ANTHEM 2.15SE	0.10	LAA	9						
23A	FIERCE 76WG	0.178	LAA	9	0	95	99	99	88	78
24A	OPTILL PRO	0.00	LAA	0	0	99	99	99	99	93
	B>OPTILL 68WG	0.085	LAA	9						
	C OUTLOOK 6EC	0.47	LAA	9						
		LSD (0.05)			0.00	5.70	0.00	2.36	4.54	6.92
		STANDARD DEVIATION			0.00	2.85	0.00	1.18	2.27	3.46

**TITLE:** Weed Control Systems in RR Soybean. AS-200  
**CREATED:** 05/04/2014 **REVISED:** 11/04/2014 **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			GLXMA	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/30/14	CON % 06/30/14	CON % 06/30/14	CON % 06/30/14	CON % 06/30/14	CON % 06/30/14
1A	AUTHORITY FIRS	0.28	LAA	9	5	99	99	99	99	98
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»ANTHEM 2.15SE	0.10	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
2A»	AUTHOR. MAXX 6	0.25	LAA	9	7	99	99	99	99	99
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»ANTHEM 2.15SE	0.10	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
3A»	PREFIX 5.32SL	1.33	LAA	9	0	99	99	99	99	76
	B»TOUCHDN TOTAL	1.05	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
4A	BOUNDARY 6.5EC	1.42	LAA	9	0	99	99	99	99	82
	B»TOUCHDN TOTAL	1.05	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
5A»	VALOR XLT 40WG	3.50	OMA	0	0	99	99	99	99	94
	B CLASSIC 25WG	0.023	LAA	9						
	C»VALOR SX 51WDG	0.065	LAA	9						
	D»RNDUP POWERMAX	1.05	LAA	11						
	E»LIQUID AMS	2.50	PMV	11						
6A»	AUTHORITY XL 7	0.175	LAA	9	0	99	99	99	99	96
	B»RNDUP POWERMAX	1.05	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
7A	OUTLOOK 6EC	0.56	LAA	11	2	99	99	99	99	78
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
8A»	WARRANT 3L	1.125	LAA	11	0	99	99	99	99	78
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
9A»	ANTHEM 2.15SE	0.134	LAA	11	6	99	99	99	99	93
	B»WEATHERMAX 4.5	0.77	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
10A»	ANTHEM 2.15SE	0.10	LAA	11	19	99	99	99	99	94
	B FLEXSTAR 1.88	0.147	LAA	11						
	C»WEATHERMAX 4.5	0.77	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
11A»	SONIC 70DF	0.131	LAA	9	0	99	99	99	99	93
	B»DURANGO 4AE	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
12A»	SONIC 70DF	0.197	LAA	9	0	99	99	99	99	96
	B»DURANGO 4AE	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
13A»	SONIC 70DF	0.263	LAA	9	0	99	99	99	99	93
	B»DURANGO 4AE	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
14A»	SONIC 70DF	0.131	LAA	9	0	99	99	99	99	88
	B»DURANGO 4AE	0.75	LAA	12						
	C FIRSTRATE 84WG	0.016	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
15A»	SURVEIL CO-PAC	2.40	OMA	0	0	99	99	99	99	91
	B»VALOR SX 51WDG	0.064	LAA	9						
	C FIRSTRATE 84WG	0.021	LAA	9						
	D»DURANGO 4AE	0.75	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						

## TITLE: Weed Control Systems in RR Soybean. AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/30/14	CON % 06/30/14	CON % 06/30/14	CON % 06/30/14	CON % 06/30/14	CON % 06/30/14
16A	SURVEIL CO-PAC	3.60	OMA	0	0	99	99	99	99	91
	B>VALOR SX 51WDG	0.096	LAA	9						
	C FIRSTRATE 84WG	0.032	LAA	9						
	D>DURANGO 4AE	0.75	LAA	12						
	E>LIQUID AMS	2.50	PMV	12						
17A	BOUNDARY 6.5EC	1.42	LAA	9	22	99	99	99	99	95
	B>FLEXSTAR GT 3.	1.41	LAA	12						
	C>MSO	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
18A	VERDICT 5.57L	0.22	LAA	9	0	99	99	99	99	96
	B>ZIDUA 85WG	0.106	LAA	9						
	C>RNDUP POWERMAX	1.05	LAA	12						
	D>LIQUID AMS	2.50	PMV	12						
19A	FIERCE XLT	3.75	OMA	0	0	99	99	99	99	94
	B>V-10206 85 WG	0.073	LAA	9						
	C CLASSIC 25WG	0.016	LAA	9						
	D>VALOR SX 51WDG	0.058	LAA	9						
	E>RNDUP POWERMAX	1.05	LAA	12						
	F>LIQUID AMS	2.50	PMV	12						
20A	OPTILL PRO	0.00	LAA	0	0	99	99	99	99	96
	B>OPTILL 68WG	0.085	LAA	9						
	C OUTLOOK 6EC	0.47	LAA	9						
	D>RNDUP POWERMAX	1.05	LAA	12						
	E>LIQUID AMS	2.50	PMV	12						
21A	CHECK	0.00	NA	0	0	0	0	0	0	0
22A	AUTHORITY FIRS	0.28	LAA	9	0	96	99	99	99	95
	B>ANTHEM 2.15SE	0.10	LAA	9						
23A	FIERCE 76WG	0.178	LAA	9	0	87	99	99	99	76
24A	OPTILL PRO	0.00	LAA	0	0	99	99	99	99	88
	B>OPTILL 68WG	0.085	LAA	9						
	C OUTLOOK 6EC	0.47	LAA	9						
		LSD (0.05)			2.74	1.00	0.00	0.192	0.00	5.87
		STANDARD DEVIATION			1.37	0.522	0.00	0.096	0.00	2.94

**TITLE:** Weed Control Systems in RR Soybean. AS-200  
**CREATED:** 05/04/2014 **REVISED:** 11/04/2014 **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			GLXMA	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 07/14/14	CON % 07/14/14	CON % 07/14/14	CON % 07/14/14	CON % 07/14/14	CON % 07/14/14
1A	AUTHORITY FIRS	0.28	LAA	9	4	99	99	99	99	98
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»ANTHEM 2.15SE	0.10	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
2A	AUTHOR. MAXX 6	0.25	LAA	9	6	99	99	99	99	98
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»ANTHEM 2.15SE	0.10	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
3A	PREFIX 5.32SL	1.33	LAA	9	0	99	99	99	99	85
	B»TOUCHDN TOTAL	1.05	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
4A	BOUNDARY 6.5EC	1.42	LAA	9	0	99	99	99	97	78
	B»TOUCHDN TOTAL	1.05	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
5A	VALOR XLT 40WG	3.50	OMA	0	0	98	99	99	99	86
	B CLASSIC 25WG	0.023	LAA	9						
	C»VALOR SX 51WDG	0.065	LAA	9						
	D»RNDUP POWERMAX	1.05	LAA	11						
	E»LIQUID AMS	2.50	PMV	11						
6A	AUTHORITY XL 7	0.175	LAA	9	0	97	99	99	99	94
	B»RNDUP POWERMAX	1.05	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
7A	OUTLOOK 6EC	0.56	LAA	11	0	99	99	96	99	72
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
8A	WARRANT 3L	1.125	LAA	11	0	98	99	94	99	72
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
9A	ANTHEM 2.15SE	0.134	LAA	11	0	98	99	97	99	78
	B»WEATHERMAX 4.5	0.77	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
10A	ANTHEM 2.15SE	0.10	LAA	11	5	99	99	99	99	79
	B FLEXSTAR 1.88	0.147	LAA	11						
	C»WEATHERMAX 4.5	0.77	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
11A	SONIC 70DF	0.131	LAA	9	1	99	99	99	99	95
	B»DURANGO 4AE	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
12A	SONIC 70DF	0.197	LAA	9	0	99	99	99	99	97
	B»DURANGO 4AE	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
13A	SONIC 70DF	0.263	LAA	9	0	99	99	99	99	93
	B»DURANGO 4AE	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
14A	SONIC 70DF	0.131	LAA	9	0	98	99	98	99	86
	B»DURANGO 4AE	0.75	LAA	12						
	C FIRSTRATE 84WG	0.016	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
15A	SURVEIL CO-PAC	2.40	OMA	0	0	98	99	99	99	88
	B»VALOR SX 51WDG	0.064	LAA	9						
	C FIRSTRATE 84WG	0.021	LAA	9						
	D»DURANGO 4AE	0.75	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						

## TITLE: Weed Control Systems in RR Soybean. AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 07/14/14	CON % 07/14/14	CON % 07/14/14	CON % 07/14/14	CON % 07/14/14	CON % 07/14/14
16A	SURVEIL CO-PAC	3.60	OMA	0	0	99	99	99	99	92
	B>VALOR SX 51WDG	0.096	LAA	9						
	C FIRSTRATE 84WG	0.032	LAA	9						
	D>DURANGO 4AE	0.75	LAA	12						
	E>LIQUID AMS	2.50	PMV	12						
17A	BOUNDARY 6.5EC	1.42	LAA	9	6	99	99	99	99	85
	B>FLEXSTAR GT 3.	1.41	LAA	12						
	C>MSO	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
18A	VERDICT 5.57L	0.22	LAA	9	0	99	99	99	99	93
	B>ZIDUA 85WG	0.106	LAA	9						
	C>RNDUP POWERMAX	1.05	LAA	12						
	D>LIQUID AMS	2.50	PMV	12						
19A	FIERCE XLT	3.75	OMA	0	3	99	99	99	99	94
	B>V-10206 85 WG	0.073	LAA	9						
	C CLASSIC 25WG	0.016	LAA	9						
	D>VALOR SX 51WDG	0.058	LAA	9						
	E>RNDUP POWERMAX	1.05	LAA	12						
	F>LIQUID AMS	2.50	PMV	12						
20A	OPTILL PRO	0.00	LAA	0	2	99	99	99	99	95
	B>OPTILL 68WG	0.085	LAA	9						
	C OUTLOOK 6EC	0.47	LAA	9						
	D>RNDUP POWERMAX	1.05	LAA	12						
	E>LIQUID AMS	2.50	PMV	12						
21A	CHECK	0.00	NA	0	0	0	0	0	0	0
22A	AUTHORITY FIRS	0.28	LAA	9	0	95	99	98	99	90
	B>ANTHEM 2.15SE	0.10	LAA	9						
23A	FIERCE 76WG	0.178	LAA	9	0	87	99	99	94	73
24A	OPTILL PRO	0.00	LAA	0	0	97	99	97	99	82
	B>OPTILL 68WG	0.085	LAA	9						
	C OUTLOOK 6EC	0.47	LAA	9						
		LSD (0.05)			2.33	1.60	0.00	3.68	1.91	6.78
		STANDARD DEVIATION			1.17	0.802	0.00	1.84	1.00	3.39



**TITLE:** Weed Control Systems in RR Soybean. AS-200  
**CREATED:** 05/04/2014 **REVISED:** 11/04/2014 **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			GLXMA	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 07/28/14	CON % 07/28/14	CON % 07/28/14	CON % 07/28/14	CON % 07/28/14	CON % 07/28/14
1A	AUTHORITY FIRS	0.28	LAA	9	0	99	99	99	99	98
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»ANTHEM 2.15SE	0.10	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
2A	AUTHOR. MAXX 6	0.25	LAA	9	0	99	99	99	99	98
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»ANTHEM 2.15SE	0.10	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
3A	PREFIX 5.32SL	1.33	LAA	9	0	99	99	99	99	93
	B»TOUCHDN TOTAL	1.05	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
4A	BOUNDARY 6.5EC	1.42	LAA	9	0	99	99	99	99	89
	B»TOUCHDN TOTAL	1.05	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
5A	VALOR XLT 40WG	3.50	OMA	0	0	98	99	99	99	89
	B CLASSIC 25WG	0.023	LAA	9						
	C»VALOR SX 51WDG	0.065	LAA	9						
	D»RNDUP POWERMAX	1.05	LAA	11						
	E»LIQUID AMS	2.50	PMV	11						
6A	AUTHORITY XL 7	0.175	LAA	9	0	98	99	99	99	97
	B»RNDUP POWERMAX	1.05	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
7A	OUTLOOK 6EC	0.56	LAA	11	0	99	99	96	99	75
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
8A	WARRANT 3L	1.125	LAA	11	0	99	99	96	99	78
	B»RNDUP POWERMAX	0.77	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
9A	ANTHEM 2.15SE	0.134	LAA	11	1	97	99	98	98	85
	B»WEATHERMAX 4.5	0.77	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
10A	ANTHEM 2.15SE	0.10	LAA	11	5	99	99	99	99	86
	B FLEXSTAR 1.88	0.147	LAA	11						
	C»WEATHERMAX 4.5	0.77	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
11A	SONIC 70DF	0.131	LAA	9	0	98	99	99	99	97
	B»DURANGO 4AE	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
12A	SONIC 70DF	0.197	LAA	9	0	99	99	99	99	97
	B»DURANGO 4AE	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
13A	SONIC 70DF	0.263	LAA	9	0	99	99	99	99	96
	B»DURANGO 4AE	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
14A	SONIC 70DF	0.131	LAA	9	0	99	99	99	99	94
	B»DURANGO 4AE	0.75	LAA	12						
	C FIRSTRATE 84WG	0.016	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
15A	SURVEIL CO-PAC	2.40	OMA	0	0	97	99	99	99	94
	B»VALOR SX 51WDG	0.064	LAA	9						
	C FIRSTRATE 84WG	0.021	LAA	9						
	D»DURANGO 4AE	0.75	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						

## TITLE: Weed Control Systems in RR Soybean. AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 07/28/14	CON % 07/28/14	CON % 07/28/14	CON % 07/28/14	CON % 07/28/14	CON % 07/28/14
16A	SURVEIL CO-PAC	3.60	OMA	0	0	97	99	99	99	93
	B>VALOR SX 51WDG	0.096	LAA	9						
	C FIRSTRATE 84WG	0.032	LAA	9						
	D>DURANGO 4AE	0.75	LAA	12						
	E>LIQUID AMS	2.50	PMV	12						
17A	BOUNDARY 6.5EC	1.42	LAA	9	4	99	99	99	99	91
	B>FLEXSTAR GT 3.	1.41	LAA	12						
	C>MSO	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
18A	VERDICT 5.57L	0.22	LAA	9	2	99	99	99	99	95
	B>ZIDUA 85WG	0.106	LAA	9						
	C>RNDUP POWERMAX	1.05	LAA	12						
	D>LIQUID AMS	2.50	PMV	12						
19A	FIERCE XLT	3.75	OMA	0	0	99	99	99	99	95
	B>V-10206 85 WG	0.073	LAA	9						
	C CLASSIC 25WG	0.016	LAA	9						
	D>VALOR SX 51WDG	0.058	LAA	9						
	E>RNDUP POWERMAX	1.05	LAA	12						
	F>LIQUID AMS	2.50	PMV	12						
20A	OPTILL PRO	0.00	LAA	0	0	99	99	99	99	94
	B>OPTILL 68WG	0.085	LAA	9						
	C OUTLOOK 6EC	0.47	LAA	9						
	D>RNDUP POWERMAX	1.05	LAA	12						
	E>LIQUID AMS	2.50	PMV	12						
21A	CHECK	0.00	NA	0	0	0	0	0	0	0
22A	AUTHORITY FIRS	0.28	LAA	9	0	89	99	96	99	91
	B>ANTHEM 2.15SE	0.10	LAA	9						
23A	FIERCE 76WG	0.178	LAA	9	0	84	99	99	99	78
24A	OPTILL PRO	0.00	LAA	0	0	93	99	99	98	78
	B>OPTILL 68WG	0.085	LAA	9						
	C OUTLOOK 6EC	0.47	LAA	9						
		LSD (0.05)			1.21	2.89	0.00	3.07	0.868	4.56
		STANDARD DEVIATION			0.604	1.45	0.00	1.53	0.434	2.28

**TITLE:** Weed Control Systems in RR Soybean. AS-200  
**CREATED:** 05/04/2014 **REVISED:** 11/04/2014 **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			YIELD BU/A 10/21/14
		RATE	UNIT	TM	
1A	AUTHORITY FIRS	0.28	LAA	9	68.2
	B»RNDUP POWERMAX	0.77	LAA	11	
	C»ANTHEM 2.15SE	0.10	LAA	11	
	D»LIQUID AMS	2.50	PMV	11	
2A	AUTHOR. MAXX 6	0.25	LAA	9	70.4
	B»RNDUP POWERMAX	0.77	LAA	11	
	C»ANTHEM 2.15SE	0.10	LAA	11	
	D»LIQUID AMS	2.50	PMV	11	
3A	PREFIX 5.32SL	1.33	LAA	9	71.6
	B»TOUCHDN TOTAL	1.05	LAA	12	
	C»LIQUID AMS	2.50	PMV	12	
4A	BOUNDARY 6.5EC	1.42	LAA	9	71.2
	B»TOUCHDN TOTAL	1.05	LAA	12	
	C»LIQUID AMS	2.50	PMV	12	
5A	VALOR XLT 40WG	3.50	OMA	0	64.9
	B CLASSIC 25WG	0.023	LAA	9	
	C»VALOR SX 51WDG	0.065	LAA	9	
	D»RNDUP POWERMAX	1.05	LAA	11	
	E»LIQUID AMS	2.50	PMV	11	
6A	AUTHORITY XL 7	0.175	LAA	9	73.0
	B»RNDUP POWERMAX	1.05	LAA	12	
	C»LIQUID AMS	2.50	PMV	12	
7A	OUTLOOK 6EC	0.56	LAA	11	65.8
	B»RNDUP POWERMAX	0.77	LAA	11	
	C»LIQUID AMS	2.50	PMV	11	
8A	WARRANT 3L	1.125	LAA	11	67.1
	B»RNDUP POWERMAX	0.77	LAA	11	
	C»LIQUID AMS	2.50	PMV	11	
9A	ANTHEM 2.15SE	0.134	LAA	11	67.9
	B»WEATHERMAX 4.5	0.77	LAA	11	
	C»LIQUID AMS	2.50	PMV	11	
10A	ANTHEM 2.15SE	0.10	LAA	11	63.9
	B FLEXSTAR 1.88	0.147	LAA	11	
	C»WEATHERMAX 4.5	0.77	LAA	11	
	D»LIQUID AMS	2.50	PMV	11	
11A	SONIC 70DF	0.131	LAA	9	71.6
	B»DURANGO 4AE	0.75	LAA	12	
	C»LIQUID AMS	2.50	PMV	12	
12A	SONIC 70DF	0.197	LAA	9	71.1
	B»DURANGO 4AE	0.75	LAA	12	
	C»LIQUID AMS	2.50	PMV	12	
13A	SONIC 70DF	0.263	LAA	9	71.6
	B»DURANGO 4AE	0.75	LAA	12	
	C»LIQUID AMS	2.50	PMV	12	
14A	SONIC 70DF	0.131	LAA	9	72.1
	B»DURANGO 4AE	0.75	LAA	12	
	C FIRSTRATE 84WG	0.016	LAA	12	
	D»LIQUID AMS	2.50	PMV	12	
15A	SURVEIL CO-PAC	2.40	OMA	0	66.5
	B»VALOR SX 51WDG	0.064	LAA	9	
	C FIRSTRATE 84WG	0.021	LAA	9	
	D»DURANGO 4AE	0.75	LAA	12	
	E»LIQUID AMS	2.50	PMV	12	

TITLE: Weed Control Systems in RR Soybean. AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	YIELD BU/A 10/21/14
		RATE	UNIT		
16A	SURVEIL CO-PAC	3.60	OMA	0	73.8
	B>VALOR SX 51WDG	0.096	LAA	9	
	C FIRSTRATE 84WG	0.032	LAA	9	
	D>DURANGO 4AE	0.75	LAA	12	
	E>LIQUID AMS	2.50	PMV	12	
17A	BOUNDARY 6.5EC	1.42	LAA	9	62.3
	B>FLEXSTAR GT 3.	1.41	LAA	12	
	C>MSO	1.00	PMV	12	
	D>LIQUID AMS	2.50	PMV	12	
18A	VERDICT 5.57L	0.22	LAA	9	69.3
	B>ZIDUA 85WG	0.106	LAA	9	
	C>RNDUP POWERMAX	1.05	LAA	12	
	D>LIQUID AMS	2.50	PMV	12	
19A	FIERCE XLT	3.75	OMA	0	71.5
	B>V-10206 85 WG	0.073	LAA	9	
	C CLASSIC 25WG	0.016	LAA	9	
	D>VALOR SX 51WDG	0.058	LAA	9	
	E>RNDUP POWERMAX	1.05	LAA	12	
	F>LIQUID AMS	2.50	PMV	12	
20A	OPTILL PRO	0.00	LAA	0	69.7
	B>OPTILL 68WG	0.085	LAA	9	
	C OUTLOOK 6EC	0.47	LAA	9	
	D>RNDUP POWERMAX	1.05	LAA	12	
	E>LIQUID AMS	2.50	PMV	12	
21A	CHECK	0.00	NA	0	37.4
22A	AUTHORITY FIRS	0.28	LAA	9	65.9
	B>ANTHEM 2.15SE	0.10	LAA	9	
23A	FIERCE 76WG	0.178	LAA	9	52.3
24A	OPTILL PRO	0.00	LAA	0	70.4
	B>OPTILL 68WG	0.085	LAA	9	
	C OUTLOOK 6EC	0.47	LAA	9	
LSD (0.05)					8.28
STANDARD DEVIATION					4.14

>> = SUPPLEMENTAL CHEMICAL

---,M,C,D = MISSING DATA

\* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 08/27/2014(1)
- 11 = ----- / EPOST 06/20/2014(2)
- 12 = ----- / POST 06/23/2014(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 %	06/20/2014	01	P	GLXMA	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/20/2014	02	P	SETFA	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/20/2014	03	P	CHEAL	17	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/20/2014	04	P	AMATA	17	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/20/2014	05	P	ABUTH	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/20/2014	06	P	PHBPU	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	06/30/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/30/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	06/30/2014	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	06/30/2014	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/30/2014	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/30/2014	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	GLXMA	CON %	07/14/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	07/14/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	07/14/2014	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	AMATA	CON %	07/14/2014	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	07/14/2014	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	07/14/2014	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

## TITLE: Weed Control Systems in RR Soybean. AS-200

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
019	GLXMA	CON %	07/28/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	SETFA	CON %	07/28/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	CHEAL	CON %	07/28/2014	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	AMATA	CON %	07/28/2014	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	ABUTH	CON %	07/28/2014	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	PHBPU	CON %	07/28/2014	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
025	YIELD	BU/A	10/21/2014	01	P	GLXMA		RAW	ALL	YLD	%	---	1.00 PL	NO	0001	0	N

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

01 = S34 Z1 RR

## \* STAGE CODE

12 = 2 LEAVES (UNIFOLIATE FIRST LEAF PAIR) UNFOLDED, 1 NODE

12 = 2 LEAVES UNFOLDED

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED