

SOIL INFORMATION

TRIAL 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

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	16	09	11	13	
TYPE	LIQMIX	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	04/01/11	05/11/11	06/03/11	06/13/11	AME
AIR TEMPERATURE	47	80	82	78	F
% REL.HUMIDITY	32	68	69	41	
WIND DIRECTION	WEST	SOUTHWEST	SOUTHEAST	EAST	
WIND SPEED	12.0	5.0	6.0	4.0	M/H
CLOUD COVER	CLOUDY	CLEAR	PARTCLDY	CLEAR	
DEW	NO	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SCREEN SIZE					
SCREEN SZ DESC	NA	NA	NA	NA	
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE					AME
INC. START					24H
INC. END					24H
INC. DEPTH					IN
INC. EQUIPMENT	---	---	---	---	
DENSITY /					
*** CROP ***					
CORN, DENT			---/14	---/17	
NK72A3111			8.00/8.00	24.0/24.0	IN
05/10/2011					
*** PEST ***					
VELVETLEAF			---/12	---/17	
			1.00/2.00	2.00/8.00	IN
WATERHEMP, COMMO			---/18	---/19	
			1.00/3.00	2.00/8.00	IN
LAMBSQUARTERS, C			---/19	---/19	
			1.00/3.00	2.00/6.00	IN
MORNINGGLORY, TA			---/14	---/19	
			1.00/2.00	2.00/6.00	IN
FOXTAIL, GIANT			---/13	---/16	
			1.00/3.00	2.00/10.0	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
11 = ----- / EPOST
13 = ----- / LPOST
16 = ----- / EPP 21DBP

* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3 LEAVES UNFOLDED
14 = 4 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6 LEAVES UNFOLDED
17 = 7 LEAVES UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

* STAGE CODE

19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: EPP, Sequential, and Post Herbicide Systems for Weed Control in RR/LL Corn. AS-200
CREATED: 03/31/2011 **REVISED:** 10/19/2011 **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	SETFA	AMATA	CHEAL	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 05/31/11	CON % 05/31/11	CON % 05/31/11	CON % 05/31/11	CON % 05/31/11	CON % 05/31/11
1A»	SURESTART 4.16	1.56	LAA	16	0	57	53	68	47	40
	B»DURANGO 4AE	0.75	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
2A»	SURESTART 4.16	1.56	LAA	16	0	63	60	75	50	48
	B ATRAZINE DF	1.00	LAA	16						
	C»DURANGO 4AE	0.75	LAA	13						
	D»LIQUID AMS	2.50	PMV	13						
3A»	SURESTART 4.16	0.91	LAA	9	0	94	99	99	75	70
	B»DURANGO 4AE	0.75	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
4A»	SURESTART 4.16	1.30	LAA	9	0	97	99	99	83	78
	B»DURANGO 4AE	0.75	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
5A»	SURESTART 4.16	1.04	LAA	9	0	98	99	99	87	78
	B ATRAZINE DF	1.00	LAA	9						
	C»DURANGO 4AE	0.75	LAA	13						
	D»LIQUID AMS	2.50	PMV	13						
6A»	A17227 3.94SC	1.97	LAA	9	0	97	99	99	99	87
	B»TOUCHDN TOTAL	1.04	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
7A»	A17622 3.7SC	2.08	LAA	9	0	97	99	99	99	87
	B»TOUCHDN TOTAL	1.04	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
8A	BICEP II MAG	3.30	LAA	9	0	98	99	99	75	75
	B»HALEX GT 4.38L	1.97	LAA	13						
	C»ACTIVATOR 90	0.25	PMV	13						
	D»LIQUID AMS	2.50	PMV	13						
9A	BICEP II MAG	3.30	LAA	9	0	98	99	99	75	72
	B»HALEX GT 4.38L	1.97	LAA	13						
	C ATRAZINE DF	0.50	LAA	13						
	D»ACTIVATOR 90	0.25	PMV	13						
	E»LIQUID AMS	2.50	PMV	13						
10A	BICEP II MAG	3.30	LAA	9	0	97	99	99	72	67
	B»CALLISTO XTRA	0.57	LAA	13						
	C»TOUCHDN TOTAL	1.04	LAA	13						
	D»LIQUID AMS	2.50	PMV	13						
11A»	CORVUS 2.6SC	0.061	LAA	9	0	80	99	99	99	73
	B ATRAZINE DF	1.00	LAA	9						
	C»TOUCHDN TOTAL	1.04	LAA	13						
	D»LIQUID AMS	2.50	PMV	13						
12A»	VERDICT 5.57L	0.78	LAA	9	0	97	99	99	99	97
	B»TOUCHDN TOTAL	1.04	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
13A	HARNESS XTRA	2.10	LAA	9	0	98	99	99	75	72
	B»TOUCHDN TOTAL	1.04	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
14A»	GUARDS MAX 5L	1.88	LAA	9	0	98	99	99	75	75
	B»TOUCHDN TOTAL	1.04	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
15A	BICEP II MAG	3.30	LAA	9	0	96	99	99	75	72
	B»HALEX GT 4.38L	1.97	LAA	13						
	C»R-11	0.25	PMV	13						
	D»LIQUID AMS	2.50	PMV	13						

TITLE: EPP, Sequential, and Post Herbicide Systems for Weed Control in RR/LL Corn. AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	AMATA	CHEAL	ABUTH	PHBPU	
		RATE	UNIT	TM	CON % 05/31/11	CON % 05/31/11	CON % 05/31/11	CON % 05/31/11	CON % 05/31/11	CON % 05/31/11	
16A	CHECK	0.00	NA	0	0	0	0	0	0	0	
17A	BICEP II MAG	3.30	LAA	9	0	97	99	99	77	73	
	B»HALEX GT 4.38L	1.97	LAA	13							
	C»BRIMSTONE	3.00	PMA	13							
	D»R-11	0.25	PMV	13							
	E»LIQUID AMS	2.50	PMV	13							
18A»	SURESTART 4.16	0.91	LAA	11	0	C	C	C	C	C	
	B»DURANGO 4AE	0.75	LAA	11							
	C»LIQUID AMS	2.50	PMV	11							
19A»	HALEX GT 4.38L	1.97	LAA	11	0	C	C	C	C	C	
	B»R-11	0.25	PMV	11							
	C»LIQUID AMS	2.50	PMV	11							
20A»	HALEX GT 4.38L	1.97	LAA	11	0	C	C	C	C	C	
	B»BRIMSTONE	0.94	PMV	11							
	C»R-11	0.25	PMV	11							
	D»LIQUID AMS	2.50	PMV	11							
					LSD (0.05)	0.00	5.81	5.51	3.34	5.77	8.23
					STANDARD DEVIATION	0.00	2.87	2.73	1.65	2.86	4.07

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CREATED: 03/31/2011 **REVISED:** 10/19/2011 **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	SETFA	AMATA	CHEAL	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/23/11	CON % 06/23/11	CON % 06/23/11	CON % 06/23/11	CON % 06/23/11	CON % 06/23/11
1A»	SURESTART 4.16	1.56	LAA	16	0	97	99	99	94	68
B»	DURANGO 4AE	0.75	LAA	13						
C»	LIQUID AMS	2.50	PMV	13						
2A»	SURESTART 4.16	1.56	LAA	16	0	97	99	99	96	72
B	ATRAZINE DF	1.00	LAA	16						
C»	DURANGO 4AE	0.75	LAA	13						
D»	LIQUID AMS	2.50	PMV	13						
3A»	SURESTART 4.16	0.91	LAA	9	0	99	99	99	98	81
B»	DURANGO 4AE	0.75	LAA	13						
C»	LIQUID AMS	2.50	PMV	13						
4A»	SURESTART 4.16	1.30	LAA	9	0	99	99	99	98	79
B»	DURANGO 4AE	0.75	LAA	13						
C»	LIQUID AMS	2.50	PMV	13						
5A»	SURESTART 4.16	1.04	LAA	9	0	99	99	99	99	87
B	ATRAZINE DF	1.00	LAA	9						
C»	DURANGO 4AE	0.75	LAA	13						
D»	LIQUID AMS	2.50	PMV	13						
6A»	A17227 3.94SC	1.97	LAA	9	0	99	99	99	99	93
B»	TOUCHDN TOTAL	1.04	LAA	13						
C»	LIQUID AMS	2.50	PMV	13						
7A»	A17622 3.7SC	2.08	LAA	9	0	99	99	99	99	95
B»	TOUCHDN TOTAL	1.04	LAA	13						
C»	LIQUID AMS	2.50	PMV	13						
8A	BICEP II MAG	3.30	LAA	9	0	99	99	99	99	94
B»	HALEX GT 4.38L	1.97	LAA	13						
C»	ACTIVATOR 90	0.25	PMV	13						
D»	LIQUID AMS	2.50	PMV	13						
9A	BICEP II MAG	3.30	LAA	9	0	99	99	99	99	96
B»	HALEX GT 4.38L	1.97	LAA	13						
C	ATRAZINE DF	0.50	LAA	13						
D»	ACTIVATOR 90	0.25	PMV	13						
E»	LIQUID AMS	2.50	PMV	13						
10A	BICEP II MAG	3.30	LAA	9	0	99	99	99	99	95
B»	CALLISTO XTRA	0.57	LAA	13						
C»	TOUCHDN TOTAL	1.04	LAA	13						
D»	LIQUID AMS	2.50	PMV	13						
11A»	CORVUS 2.6SC	0.061	LAA	9	0	99	99	99	99	92
B	ATRAZINE DF	1.00	LAA	9						
C»	TOUCHDN TOTAL	1.04	LAA	13						
D»	LIQUID AMS	2.50	PMV	13						
12A»	VERDICT 5.57L	0.78	LAA	9	0	99	99	99	99	97
B»	TOUCHDN TOTAL	1.04	LAA	13						
C»	LIQUID AMS	2.50	PMV	13						
13A	HARNESS XTRA	2.10	LAA	9	0	99	99	99	99	92
B»	TOUCHDN TOTAL	1.04	LAA	13						
C»	LIQUID AMS	2.50	PMV	13						
14A»	GUARDS MAX 5L	1.88	LAA	9	0	99	99	99	98	93
B»	TOUCHDN TOTAL	1.04	LAA	13						
C»	LIQUID AMS	2.50	PMV	13						
15A	BICEP II MAG	3.30	LAA	9	0	99	99	99	99	96
B»	HALEX GT 4.38L	1.97	LAA	13						
C»	R-11	0.25	PMV	13						
D»	LIQUID AMS	2.50	PMV	13						

TITLE: EPP, Sequential, and Post Herbicide Systems for Weed Control in RR/LL Corn. AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	AMATA	CHEAL	ABUTH	PHBPU	
		RATE	UNIT	TM	CON % 06/23/11	CON % 06/23/11	CON % 06/23/11	CON % 06/23/11	CON % 06/23/11	CON % 06/23/11	
16A	CHECK	0.00	NA	0	0	0	0	0	0	0	
17A	BICEP II MAG	3.30	LAA	9	0	99	99	99	99	96	
	B»HALEX GT 4.38L	1.97	LAA	13							
	C»BRIMSTONE	3.00	PMA	13							
	D»R-11	0.25	PMV	13							
	E»LIQUID AMS	2.50	PMV	13							
18A»	SURESTART 4.16	0.91	LAA	11	0	98	99	99	99	88	
	B»DURANGO 4AE	0.75	LAA	11							
	C»LIQUID AMS	2.50	PMV	11							
19A»	HALEX GT 4.38L	1.97	LAA	11	0	99	99	99	99	90	
	B»R-11	0.25	PMV	11							
	C»LIQUID AMS	2.50	PMV	11							
20A»	HALEX GT 4.38L	1.97	LAA	11	0	98	99	99	99	91	
	B»BRIMSTONE	0.94	PMV	11							
	C»R-11	0.25	PMV	11							
	D»LIQUID AMS	2.50	PMV	11							
					LSD (0.05)	0.00	0.848	0.00	0.00	0.782	3.71
					STANDARD DEVIATION	0.00	0.42	0.00	0.00	0.387	1.84

TITLE: EPP, Sequential, and Post Herbicide Systems for Weed Control in RR/LL Corn. AS-200
CREATED: 03/31/2011 **REVISED:** 10/19/2011 **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	SETFA	AMATA	CHEAL	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 07/10/11	CON % 07/10/11	CON % 07/10/11	CON % 07/10/11	CON % 07/10/11	CON % 07/10/11
1A»	SURESTART 4.16	1.56	LAA	16	0	96	99	99	90	72
	B»DURANGO 4AE	0.75	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
2A»	SURESTART 4.16	1.56	LAA	16	0	98	99	99	96	75
	B ATRAZINE DF	1.00	LAA	16						
	C»DURANGO 4AE	0.75	LAA	13						
	D»LIQUID AMS	2.50	PMV	13						
3A»	SURESTART 4.16	0.91	LAA	9	0	99	99	99	96	81
	B»DURANGO 4AE	0.75	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
4A»	SURESTART 4.16	1.30	LAA	9	0	99	99	99	96	83
	B»DURANGO 4AE	0.75	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
5A»	SURESTART 4.16	1.04	LAA	9	0	99	99	99	98	92
	B ATRAZINE DF	1.00	LAA	9						
	C»DURANGO 4AE	0.75	LAA	13						
	D»LIQUID AMS	2.50	PMV	13						
6A»	A17227 3.94SC	1.97	LAA	9	0	99	99	99	99	94
	B»TOUCHDN TOTAL	1.04	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
7A»	A17622 3.7SC	2.08	LAA	9	0	99	99	99	99	95
	B»TOUCHDN TOTAL	1.04	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
8A	BICEP II MAG	3.30	LAA	9	0	99	99	99	99	95
	B»HALEX GT 4.38L	1.97	LAA	13						
	C»ACTIVATOR 90	0.25	PMV	13						
	D»LIQUID AMS	2.50	PMV	13						
9A	BICEP II MAG	3.30	LAA	9	0	99	99	99	99	98
	B»HALEX GT 4.38L	1.97	LAA	13						
	C ATRAZINE DF	0.50	LAA	13						
	D»ACTIVATOR 90	0.25	PMV	13						
	E»LIQUID AMS	2.50	PMV	13						
10A	BICEP II MAG	3.30	LAA	9	0	99	99	99	99	98
	B»CALLISTO XTRA	0.57	LAA	13						
	C»TOUCHDN TOTAL	1.04	LAA	13						
	D»LIQUID AMS	2.50	PMV	13						
11A»	CORVUS 2.6SC	0.061	LAA	9	0	98	99	99	99	90
	B ATRAZINE DF	1.00	LAA	9						
	C»TOUCHDN TOTAL	1.04	LAA	13						
	D»LIQUID AMS	2.50	PMV	13						
12A»	VERDICT 5.57L	0.78	LAA	9	0	99	99	99	99	94
	B»TOUCHDN TOTAL	1.04	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
13A	HARNESS XTRA	2.10	LAA	9	0	99	99	99	95	89
	B»TOUCHDN TOTAL	1.04	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
14A»	GUARDS MAX 5L	1.88	LAA	9	0	99	99	99	96	88
	B»TOUCHDN TOTAL	1.04	LAA	13						
	C»LIQUID AMS	2.50	PMV	13						
15A	BICEP II MAG	3.30	LAA	9	0	99	99	99	99	96
	B»HALEX GT 4.38L	1.97	LAA	13						
	C»R-11	0.25	PMV	13						
	D»LIQUID AMS	2.50	PMV	13						

TITLE: EPP, Sequential, and Post Herbicide Systems for Weed Control in RR/LL Corn. AS-200
CREATED: 03/31/2011 **REVISED:** 10/19/2011 **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--- 10/11/11
		RATE	UNIT TM	
1A»	SURESTART 4.16	1.56	LAA 16	199.3
	B»DURANGO 4AE	0.75	LAA 13	
	C»LIQUID AMS	2.50	PMV 13	
2A»	SURESTART 4.16	1.56	LAA 16	202.3
	B ATRAZINE DF	1.00	LAA 16	
	C»DURANGO 4AE	0.75	LAA 13	
	D»LIQUID AMS	2.50	PMV 13	
3A»	SURESTART 4.16	0.91	LAA 9	208.9
	B»DURANGO 4AE	0.75	LAA 13	
	C»LIQUID AMS	2.50	PMV 13	
4A»	SURESTART 4.16	1.30	LAA 9	215.1
	B»DURANGO 4AE	0.75	LAA 13	
	C»LIQUID AMS	2.50	PMV 13	
5A»	SURESTART 4.16	1.04	LAA 9	208.4
	B ATRAZINE DF	1.00	LAA 9	
	C»DURANGO 4AE	0.75	LAA 13	
	D»LIQUID AMS	2.50	PMV 13	
6A»	A17227 3.94SC	1.97	LAA 9	213.1
	B»TOUCHDN TOTAL	1.04	LAA 13	
	C»LIQUID AMS	2.50	PMV 13	
7A»	A17622 3.7SC	2.08	LAA 9	215.1
	B»TOUCHDN TOTAL	1.04	LAA 13	
	C»LIQUID AMS	2.50	PMV 13	
8A	BICEP II MAG	3.30	LAA 9	220.3
	B»HALEX GT 4.38L	1.97	LAA 13	
	C»ACTIVATOR 90	0.25	PMV 13	
	D»LIQUID AMS	2.50	PMV 13	
9A	BICEP II MAG	3.30	LAA 9	209.8
	B»HALEX GT 4.38L	1.97	LAA 13	
	C ATRAZINE DF	0.50	LAA 13	
	D»ACTIVATOR 90	0.25	PMV 13	
	E»LIQUID AMS	2.50	PMV 13	
10A	BICEP II MAG	3.30	LAA 9	212.1
	B»CALLISTO XTRA	0.57	LAA 13	
	C»TOUCHDN TOTAL	1.04	LAA 13	
	D»LIQUID AMS	2.50	PMV 13	
11A»	CORVUS 2.6SC	0.061	LAA 9	215.6
	B ATRAZINE DF	1.00	LAA 9	
	C»TOUCHDN TOTAL	1.04	LAA 13	
	D»LIQUID AMS	2.50	PMV 13	
12A»	VERDICT 5.57L	0.78	LAA 9	213.5
	B»TOUCHDN TOTAL	1.04	LAA 13	
	C»LIQUID AMS	2.50	PMV 13	
13A	HARNESS XTRA	2.10	LAA 9	202.3
	B»TOUCHDN TOTAL	1.04	LAA 13	
	C»LIQUID AMS	2.50	PMV 13	
14A»	GUARDS MAX 5L	1.88	LAA 9	195.9
	B»TOUCHDN TOTAL	1.04	LAA 13	
	C»LIQUID AMS	2.50	PMV 13	
15A	BICEP II MAG	3.30	LAA 9	203.6
	B»HALEX GT 4.38L	1.97	LAA 13	
	C»R-11	0.25	PMV 13	
	D»LIQUID AMS	2.50	PMV 13	

