

## 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

DESIGN: RCB  
REPS: 3

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	10	11	12	
TYPE	LIQMIX	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	04/27/06	05/17/06	05/30/06	06/05/06	AME
AIR TEMPERATURE	73	68	86	78	F
% REL. HUMIDITY	21	50	35	35	
WIND DIRECTION	NORTHWEST	NORTHWEST	SOUTHWEST	NORTHEAST	
WIND SPEED	9.0	5.0	8.0	2.0	M/H
CLOUD COVER	CLEAR	CLEAR	CLEAR	CLEAR	
DEW	NO	YES	YES	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	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
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
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		---/11	---/14	---/16	
PIONEER 33N11		4.00/4.00	8.00/10.0	12.0/12.0	IN
04/26/2006					
*** PEST ***					
VELVETLEAF		---/10	---/12	---/15	
		0.25/0.25	1.00/3.00	2.00/6.00	IN
WATERHEMP, COMMO		---/11	---/19	---/19	
		0.50/0.50	1.00/3.00	2.00/6.00	IN
LAMBSQUARTERS, C		---/12	---/19	---/19	
		0.25/0.50	1.00/3.00	2.00/6.00	IN
MORNINGGLORY, TA		---/10	---/14	---/19	
		0.50/1.00	1.00/2.00	1.00/4.00	IN
SMARTWEED, PENNS		---/12	---/18	---/19	
		1.00/1.00	1.00/3.00	2.00/8.00	IN
FOXTAIL, GIANT		---/11	---/13	---/16	
		0.50/0.50	2.00/5.00	2.00/8.00	IN

## \* TIMING CODES

09 = ----- / PREEMERGENCE  
10 = ----- / VEPOST  
11 = ----- / EPOST  
12 = ----- / POST

## \* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED  
11 = FIRST LEAF UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3 LEAVES UNFOLDED  
14 = 4 LEAVES UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6 LEAVES UNFOLDED  
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

\* STAGE CODE

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

**TITLE:** Weed Control Systems in Conventional Corn. AS-100  
**CREATED:** 04/17/2006 **REVISED:** 11/10/2006 **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 **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	POLPY	AMATA	PHBPU
		RATE	UNIT		CON % 05/17/06	CON % 05/17/06	CON % 05/17/06	CON % 05/17/06	CON % 05/17/06	CON % 05/17/06
1A	LUMAX	2.94	LAA	9	0	98	99	99	99	94
2A»	LEXAR 3.7L	3.24	LAA	9	0	98	99	99	99	97
3A	LUMAX	2.94	LAA	9	0	98	99	99	99	97
	B ATRAZINE DF	1.00	LAA	9						
4A	KEYSTONE 5.25	3.41	LAA	9	0	99	99	99	99	92
	B HORNET 68.5WG	0.128	LAA	9						
5A	KEYSTONE 5.25	3.50	LAA	9	0	99	99	99	99	96
	B HORNET 68.5WG	0.17	LAA	9						
6A	FULTIME 4SC	3.30	LAA	9	0	99	99	99	99	95
	B HORNET 68.5WG	0.17	LAA	9						
7A	DEGREE XTRA	3.54	LAA	9	0	97	99	99	99	90
	B BALANCE PRO 4	0.063	LAA	9						
8A»	RADIUS 4SC	0.75	LAA	9	0	99	99	99	99	90
	B ATRAZINE DF	1.00	LAA	9						
9A	GUARDSMAN MAX	2.50	LAA	9	0	98	99	99	99	92
	B BALANCE PRO 4	0.047	LAA	9						
10A»	STALWART EXTRA	3.30	LAA	9	0	99	99	99	99	96
	B CALLISTO 4SC	0.094	LAA	9						
11A»	KIH-485 85WG	0.19	LAA	9	0	94	99	99	99	93
	B CALLISTO 4SC	0.125	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						
12A»	LEXAR 3.7L	1.62	LAA	9	0	93	96	97	99	82
	B»LEXAR 3.7L	1.62	LAA	10						
	C»ACTIVATOR 90	0.25	PMV	10						
13A	LUMAX	1.96	LAA	9	0	96	99	99	99	88
	B LUMAX	0.98	LAA	10						
	C»ACTIVATOR 90	0.25	PMV	10						
14A	LUMAX	1.47	LAA	9	0	96	99	99	99	92
	B ATRAZINE DF	1.00	LAA	9						
	C LUMAX	1.47	LAA	10						
	D»ACTIVATOR 90	0.25	PMV	10						
15A	GUARDSMAN MAX	2.88	LAA	9	0	98	99	99	99	87
	B DISTINCT 70SG	0.175	LAA	10						
	C»ACTIVATOR 90	0.25	PMV	10						
16A	GUARDSMAN MAX	2.50	LAA	9	0	97	99	99	99	85
	B MARKSMAN SC	1.20	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
17A	OUTLOOK 6EC	0.98	LAA	9	0	93	93	92	98	63
	B MARKSMAN SC	1.40	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
18A	GUARDSMAN MAX	1.67	LAA	9	0	97	99	98	99	74
	B»IMPACT 2.8SC	0.016	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
19A	BICEP II MAG	3.30	LAA	9	0	98	99	99	99	93
	B CALLISTO 4SC	0.094	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						

## TITLE: Weed Control Systems in Conventional Corn. AS-100

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	POLPY	AMATA	PHBPU
		RATE	UNIT	TM	CON % 05/17/06	CON % 05/17/06	CON % 05/17/06	CON % 05/17/06	CON % 05/17/06	CON % 05/17/06
20A	DUAL II MAGNUM	1.59	LAA	9	0	94	78	78	73	0
	B CALLISTO 4SC	0.094	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	1.00	PMV	11						
21A	SURPASS 6.4EC	2.00	LAA	9	0	98	88	83	87	20
	B HORNET 68.5WG	0.128	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	1.00	PMV	11						
22A	SURPASS 6.4EC	2.00	LAA	9	0	97	84	88	85	23
	B HORNET 68.5WG	0.128	LAA	11						
	C CALLISTO 4SC	0.023	LAA	11						
	D ATRAZINE DF	0.25	LAA	11						
	E»COC	1.00	PMV	11						
	F»LIQUID AMS	2.50	PMV	11						
23A	SURPASS 6.4EC	2.00	LAA	9	0	98	90	89	87	27
	B HORNET 68.5WG	0.128	LAA	11						
	C»IMPACT 2.8SC	0.0055	LAA	11						
	D ATRAZINE DF	0.25	LAA	11						
	E»MSO	1.00	PMV	11						
	F»LIQUID AMS	2.50	PMV	11						
24A	OUTLOOK 6EC	0.84	LAA	9	0	98	84	88	90	25
	B DISTINCT 70SG	0.175	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E»LIQUID AMS	1.00	PMV	11						
25A	CHECK	0.00	NA	0	0	0	0	0	0	0
26A»	CINCH ATZ 5.5L	1.03	LAA	9	0	93	58	67	67	0
	B STEADFAST 75WG	0.035	LAA	12						
	C CALLISTO 4SC	0.047	LAA	12						
	D ATRAZINE DF	0.50	LAA	12						
	E»COC	1.00	PMV	12						
	F 28% UAN	2.50	PMV	12						
27A	GUARDSMAN MAX	0.78	LAA	9	0	84	58	57	57	0
	B»BAS 799 56DG	0.175	LAA	12						
	C ACCENT 75WG	0.031	LAA	12						
	D»ACTIVATOR 90	0.25	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
28A	GUARDSMAN MAX	2.50	LAA	9	0	97	98	99	98	62
	B»BAS 799 56DG	0.175	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			0.00	2.73	3.93	3.55	4.11	8.84
		STANDARD DEVIATION			0.00	1.37	2.00	1.78	2.06	4.42

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**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	POLPY	AMATA	PHBPU
		RATE	UNIT		CON % 06/14/06	CON % 06/14/06	CON % 06/14/06	CON % 06/14/06	CON % 06/14/06	CON % 06/14/06
1A	LUMAX	2.94	LAA	9	0	96	99	99	99	86
2A»	LEXAR 3.7L	3.24	LAA	9	0	98	99	99	99	92
3A	LUMAX	2.94	LAA	9	0	97	99	99	99	94
B	ATRAZINE DF	1.00	LAA	9						
4A	KEYSTONE 5.25	3.41	LAA	9	0	98	99	99	99	78
B	HORNET 68.5WG	0.128	LAA	9						
5A	KEYSTONE 5.25	3.50	LAA	9	0	98	99	99	99	84
B	HORNET 68.5WG	0.17	LAA	9						
6A	FULTIME 4SC	3.30	LAA	9	0	99	99	99	99	82
B	HORNET 68.5WG	0.17	LAA	9						
7A	DEGREE XTRA	3.54	LAA	9	0	99	99	99	99	80
B	BALANCE PRO 4	0.063	LAA	9						
8A»	RADIUS 4SC	0.75	LAA	9	0	98	99	99	99	86
B	ATRAZINE DF	1.00	LAA	9						
9A	GUARDSMAN MAX	2.50	LAA	9	0	98	99	99	99	72
B	BALANCE PRO 4	0.047	LAA	9						
10A»	STALWART EXTRA	3.30	LAA	9	0	98	99	99	99	83
B	CALLISTO 4SC	0.094	LAA	9						
11A»	KIH-485 85WG	0.19	LAA	9	0	95	99	99	99	88
B	CALLISTO 4SC	0.125	LAA	9						
C	ATRAZINE DF	1.00	LAA	9						
12A»	LEXAR 3.7L	1.62	LAA	9	0	97	99	99	99	96
B»	LEXAR 3.7L	1.62	LAA	10						
C»	ACTIVATOR 90	0.25	PMV	10						
13A	LUMAX	1.96	LAA	9	0	99	99	99	99	97
B	LUMAX	0.98	LAA	10						
C»	ACTIVATOR 90	0.25	PMV	10						
14A	LUMAX	1.47	LAA	9	0	99	99	99	99	97
B	ATRAZINE DF	1.00	LAA	9						
C	LUMAX	1.47	LAA	10						
D»	ACTIVATOR 90	0.25	PMV	10						
15A	GUARDSMAN MAX	2.88	LAA	9	0	97	99	99	99	86
B	DISTINCT 70SG	0.175	LAA	10						
C»	ACTIVATOR 90	0.25	PMV	10						
16A	GUARDSMAN MAX	2.50	LAA	9	0	99	99	99	99	97
B	MARKSMAN SC	1.20	LAA	10						
C»	LIQUID AMS	2.50	PMV	10						
17A	OUTLOOK 6EC	0.98	LAA	9	0	97	99	99	99	95
B	MARKSMAN SC	1.40	LAA	10						
C»	LIQUID AMS	2.50	PMV	10						
18A	GUARDSMAN MAX	1.67	LAA	9	0	99	99	99	99	87
B»	IMPACT 2.8SC	0.016	LAA	11						
C	ATRAZINE DF	0.50	LAA	11						
D»	MSO	1.00	PMV	11						
E	28% UAN	2.50	PMV	11						
19A	BICEP II MAG	3.30	LAA	9	0	99	99	99	99	98
B	CALLISTO 4SC	0.094	LAA	11						
C	ATRAZINE DF	0.50	LAA	11						
D»	COC	1.00	PMV	11						
E	28% UAN	2.50	PMV	11						

## TITLE: Weed Control Systems in Conventional Corn. AS-100

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	POLPY	AMATA	PHBPU
		RATE	UNIT	TM	CON % 06/14/06	CON % 06/14/06	CON % 06/14/06	CON % 06/14/06	CON % 06/14/06	CON % 06/14/06
20A	DUAL II MAGNUM	1.59	LAA	9	0	94	99	99	99	96
	B CALLISTO 4SC	0.094	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	1.00	PMV	11						
21A	SURPASS 6.4EC	2.00	LAA	9	0	96	99	99	99	81
	B HORNET 68.5WG	0.128	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	1.00	PMV	11						
22A	SURPASS 6.4EC	2.00	LAA	9	0	99	99	99	99	89
	B HORNET 68.5WG	0.128	LAA	11						
	C CALLISTO 4SC	0.023	LAA	11						
	D ATRAZINE DF	0.25	LAA	11						
	E»COC	1.00	PMV	11						
	F»LIQUID AMS	2.50	PMV	11						
23A	SURPASS 6.4EC	2.00	LAA	9	0	99	99	99	99	88
	B HORNET 68.5WG	0.128	LAA	11						
	C»IMPACT 2.8SC	0.0055	LAA	11						
	D ATRAZINE DF	0.25	LAA	11						
	E»MSO	1.00	PMV	11						
	F»LIQUID AMS	2.50	PMV	11						
24A	OUTLOOK 6EC	0.84	LAA	9	0	99	99	99	99	95
	B DISTINCT 70SG	0.175	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E»LIQUID AMS	1.00	PMV	11						
25A	CHECK	0.00	NA	0	0	0	0	0	0	0
26A»	CINCH ATZ 5.5L	1.03	LAA	9	0	99	99	99	99	99
	B STEADFAST 75WG	0.035	LAA	12						
	C CALLISTO 4SC	0.047	LAA	12						
	D ATRAZINE DF	0.50	LAA	12						
	E»COC	1.00	PMV	12						
	F 28% UAN	2.50	PMV	12						
27A	GUARDSMAN MAX	0.78	LAA	9	0	98	99	99	99	99
	B»BAS 799 56DG	0.175	LAA	12						
	C ACCENT 75WG	0.031	LAA	12						
	D»ACTIVATOR 90	0.25	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
28A	GUARDSMAN MAX	2.50	LAA	9	0	98	99	99	99	99
	B»BAS 799 56DG	0.175	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			0.00	2.00	0.00	0.00	0.00	5.47
		STANDARD DEVIATION			0.00	1.00	0.00	0.00	0.00	2.73

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**CREATED:** 04/17/2006 **REVISED:** 11/10/2006 **COMPLETED:** N  
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**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ABUTH	ZEAMD	SETFA	CHEAL	POLPY	AMATA
		RATE	UNIT		CON % 06/14/06	CON % 07/05/06	CON % 07/05/06	CON % 07/05/06	CON % 07/05/06	CON % 07/05/06
1A	LUMAX	2.94	LAA	9	99	0	93	99	99	99
2A»	LEXAR 3.7L	3.24	LAA	9	99	0	96	99	99	99
3A	LUMAX	2.94	LAA	9	99	0	96	99	99	99
	B ATRAZINE DF	1.00	LAA	9						
4A	KEystone 5.25	3.41	LAA	9	75	0	97	99	99	99
	B HORNET 68.5WG	0.128	LAA	9						
5A	KEystone 5.25	3.50	LAA	9	89	0	97	99	99	99
	B HORNET 68.5WG	0.17	LAA	9						
6A	FULTIME 4SC	3.30	LAA	9	80	0	98	99	99	99
	B HORNET 68.5WG	0.17	LAA	9						
7A	DEGREE XTRA	3.54	LAA	9	99	0	96	99	99	99
	B BALANCE PRO 4	0.063	LAA	9						
8A»	RADIUS 4SC	0.75	LAA	9	99	0	96	99	99	99
	B ATRAZINE DF	1.00	LAA	9						
9A	GUARDSMAN MAX	2.50	LAA	9	99	0	97	99	99	99
	B BALANCE PRO 4	0.047	LAA	9						
10A»	STALWART EXTRA	3.30	LAA	9	99	0	97	99	99	99
	B CALLISTO 4SC	0.094	LAA	9						
11A»	KIH-485 85WG	0.19	LAA	9	99	0	91	99	99	99
	B CALLISTO 4SC	0.125	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						
12A»	LEXAR 3.7L	1.62	LAA	9	98	0	93	99	99	99
	B»LEXAR 3.7L	1.62	LAA	10						
	C»ACTIVATOR 90	0.25	PMV	10						
13A	LUMAX	1.96	LAA	9	99	0	96	99	99	99
	B LUMAX	0.98	LAA	10						
	C»ACTIVATOR 90	0.25	PMV	10						
14A	LUMAX	1.47	LAA	9	99	0	96	99	99	99
	B ATRAZINE DF	1.00	LAA	9						
	C LUMAX	1.47	LAA	10						
	D»ACTIVATOR 90	0.25	PMV	10						
15A	GUARDSMAN MAX	2.88	LAA	9	90	0	97	99	99	99
	B DISTINCT 70SG	0.175	LAA	10						
	C»ACTIVATOR 90	0.25	PMV	10						
16A	GUARDSMAN MAX	2.50	LAA	9	96	0	98	99	99	99
	B MARKSMAN SC	1.20	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
17A	OUTLOOK 6EC	0.98	LAA	9	92	0	98	99	99	99
	B MARKSMAN SC	1.40	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
18A	GUARDSMAN MAX	1.67	LAA	9	93	0	97	99	99	99
	B»IMPACT 2.8SC	0.016	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
19A	BICEP II MAG	3.30	LAA	9	99	0	97	99	99	99
	B CALLISTO 4SC	0.094	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						

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TRT NUM	TREATMENT COMPONENT	DOSAGE			ABUTH CON % 06/14/06	ZEAMD CON % 07/05/06	SETFA CON % 07/05/06	CHEAL CON % 07/05/06	POLPY CON % 07/05/06	AMATA CON % 07/05/06
		RATE	UNIT	TM						
20A	DUAL II MAGNUM	1.59	LAA	9	98	0	94	99	99	99
	B CALLISTO 4SC	0.094	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	1.00	PMV	11						
21A	SURPASS 6.4EC	2.00	LAA	9	91	0	87	99	99	99
	B HORNET 68.5WG	0.128	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	1.00	PMV	11						
22A	SURPASS 6.4EC	2.00	LAA	9	94	0	98	99	99	99
	B HORNET 68.5WG	0.128	LAA	11						
	C CALLISTO 4SC	0.023	LAA	11						
	D ATRAZINE DF	0.25	LAA	11						
	E»COC	1.00	PMV	11						
	F»LIQUID AMS	2.50	PMV	11						
23A	SURPASS 6.4EC	2.00	LAA	9	94	0	98	99	99	99
	B HORNET 68.5WG	0.128	LAA	11						
	C»IMPACT 2.8SC	0.0055	LAA	11						
	D ATRAZINE DF	0.25	LAA	11						
	E»MSO	1.00	PMV	11						
	F»LIQUID AMS	2.50	PMV	11						
24A	OUTLOOK 6EC	0.84	LAA	9	96	0	99	99	99	99
	B DISTINCT 70SG	0.175	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E»LIQUID AMS	1.00	PMV	11						
25A	CHECK	0.00	NA	0	0	0	0	0	0	0
26A»	CINCH ATZ 5.5L	1.03	LAA	9	98	0	94	99	99	99
	B STEADFAST 75WG	0.035	LAA	12						
	C CALLISTO 4SC	0.047	LAA	12						
	D ATRAZINE DF	0.50	LAA	12						
	E»COC	1.00	PMV	12						
	F 28% UAN	2.50	PMV	12						
27A	GUARDSMAN MAX	0.78	LAA	9	98	0	94	99	99	99
	B»BAS 799 56DG	0.175	LAA	12						
	C ACCENT 75WG	0.031	LAA	12						
	D»ACTIVATOR 90	0.25	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
28A	GUARDSMAN MAX	2.50	LAA	9	99	0	97	99	99	99
	B»BAS 799 56DG	0.175	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			3.36	0.00	3.18	0.00	0.00	0.00
		STANDARD DEVIATION			1.68	0.00	1.59	0.00	0.00	0.00



**TITLE:** Weed Control Systems in Conventional Corn. AS-100  
**CREATED:** 04/17/2006 **REVISED:** 11/10/2006 **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 **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	PHBPU	ABUTH	YIELD
		RATE	UNIT		CON % 07/05/06	CON % 07/05/06	BU/A 10/10/06
1A	LUMAX	2.94	LAA	9	78	99	146.4
2A»	LEXAR 3.7L	3.24	LAA	9	90	99	170.7
3A	LUMAX	2.94	LAA	9	88	99	162.5
	B ATRAZINE DF	1.00	LAA	9			
4A	KEYSTONE 5.25	3.41	LAA	9	72	85	136.6
	B HORNET 68.5WG	0.128	LAA	9			
5A	KEYSTONE 5.25	3.50	LAA	9	79	82	149.6
	B HORNET 68.5WG	0.17	LAA	9			
6A	FULTIME 4SC	3.30	LAA	9	84	94	152.3
	B HORNET 68.5WG	0.17	LAA	9			
7A	DEGREE XTRA	3.54	LAA	9	77	99	125.4
	B BALANCE PRO 4	0.063	LAA	9			
8A»	RADIUS 4SC	0.75	LAA	9	81	97	138.7
	B ATRAZINE DF	1.00	LAA	9			
9A	GUARDSMAN MAX	2.50	LAA	9	72	92	135.3
	B BALANCE PRO 4	0.047	LAA	9			
10A»	STALWART EXTRA	3.30	LAA	9	73	97	135.5
	B CALLISTO 4SC	0.094	LAA	9			
11A»	KIH-485 85WG	0.19	LAA	9	79	99	159.5
	B CALLISTO 4SC	0.125	LAA	9			
	C ATRAZINE DF	1.00	LAA	9			
12A»	LEXAR 3.7L	1.62	LAA	9	89	99	172.3
	B»LEXAR 3.7L	1.62	LAA	10			
	C»ACTIVATOR 90	0.25	PMV	10			
13A	LUMAX	1.96	LAA	9	95	99	170.9
	B LUMAX	0.98	LAA	10			
	C»ACTIVATOR 90	0.25	PMV	10			
14A	LUMAX	1.47	LAA	9	94	99	177.6
	B ATRAZINE DF	1.00	LAA	9			
	C LUMAX	1.47	LAA	10			
	D»ACTIVATOR 90	0.25	PMV	10			
15A	GUARDSMAN MAX	2.88	LAA	9	82	89	136.4
	B DISTINCT 70SG	0.175	LAA	10			
	C»ACTIVATOR 90	0.25	PMV	10			
16A	GUARDSMAN MAX	2.50	LAA	9	92	97	170.5
	B MARKSMAN SC	1.20	LAA	10			
	C»LIQUID AMS	2.50	PMV	10			
17A	OUTLOOK 6EC	0.98	LAA	9	94	95	163.9
	B MARKSMAN SC	1.40	LAA	10			
	C»LIQUID AMS	2.50	PMV	10			
18A	GUARDSMAN MAX	1.67	LAA	9	78	84	138.0
	B»IMPACT 2.8SC	0.016	LAA	11			
	C ATRAZINE DF	0.50	LAA	11			
	D»MSO	1.00	PMV	11			
	E 28% UAN	2.50	PMV	11			
19A	BICEP II MAG	3.30	LAA	9	97	98	167.8
	B CALLISTO 4SC	0.094	LAA	11			
	C ATRAZINE DF	0.50	LAA	11			
	D»COC	1.00	PMV	11			
	E 28% UAN	2.50	PMV	11			

TITLE: Weed Control Systems in Conventional Corn. AS-100

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	PHBPU CON % 07/05/06	ABUTH CON % 07/05/06	YIELD BU/A 10/10/06
20A	DUAL II MAGNUM	1.59	LAA	9	88	97	163.2
	B CALLISTO 4SC	0.094	LAA	11			
	C ATRAZINE DF	0.50	LAA	11			
	D»COC	1.00	PMV	11			
	E»LIQUID AMS	1.00	PMV	11			
21A	SURPASS 6.4EC	2.00	LAA	9	78	92	139.3
	B HORNET 68.5WG	0.128	LAA	11			
	C ATRAZINE DF	0.50	LAA	11			
	D»COC	1.00	PMV	11			
	E»LIQUID AMS	1.00	PMV	11			
22A	SURPASS 6.4EC	2.00	LAA	9	88	96	147.7
	B HORNET 68.5WG	0.128	LAA	11			
	C CALLISTO 4SC	0.023	LAA	11			
	D ATRAZINE DF	0.25	LAA	11			
	E»COC	1.00	PMV	11			
	F»LIQUID AMS	2.50	PMV	11			
23A	SURPASS 6.4EC	2.00	LAA	9	83	96	143.9
	B HORNET 68.5WG	0.128	LAA	11			
	C»IMPACT 2.8SC	0.0055	LAA	11			
	D ATRAZINE DF	0.25	LAA	11			
	E»MSO	1.00	PMV	11			
	F»LIQUID AMS	2.50	PMV	11			
24A	OUTLOOK 6EC	0.84	LAA	9	94	97	162.7
	B DISTINCT 70SG	0.175	LAA	11			
	C ATRAZINE DF	0.50	LAA	11			
	D»ACTIVATOR 90	0.25	PMV	11			
	E»LIQUID AMS	1.00	PMV	11			
25A	CHECK	0.00	NA	0	0	0	41.1
26A»	CINCH ATZ 5.5L	1.03	LAA	9	96	96	177.5
	B STEADFAST 75WG	0.035	LAA	12			
	C CALLISTO 4SC	0.047	LAA	12			
	D ATRAZINE DF	0.50	LAA	12			
	E»COC	1.00	PMV	12			
	F 28% UAN	2.50	PMV	12			
27A	GUARDSMAN MAX	0.78	LAA	9	98	98	180.9
	B»BAS 799 56DG	0.175	LAA	12			
	C ACCENT 75WG	0.031	LAA	12			
	D»ACTIVATOR 90	0.25	PMV	12			
	E»LIQUID AMS	2.50	PMV	12			
28A	GUARDSMAN MAX	2.50	LAA	9	96	98	170.3
	B»BAS 799 56DG	0.175	LAA	12			
	C»ACTIVATOR 90	0.25	PMV	12			
	D»LIQUID AMS	2.50	PMV	12			
		LSD (0.05)			7.22	4.65	25.78
		STANDARD DEVIATION			3.61	2.32	12.89

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 04/27/2006(1)
- 10 = ----- / VEPOST 05/17/2006(2)
- 11 = ----- / EPOST 05/30/2006(3)
- 12 = ----- / POST 06/05/2006(4)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
001	ZEAMD	CON %	05/17/2006	01	P	ZEAMD	11	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/17/2006	02	P	SETFA	11	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/17/2006	03	P	CHEAL	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	POLPY	CON %	05/17/2006	04	P	POLPY	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMATA	CON %	05/17/2006	05	P	AMATA	11	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Weed Control Systems in Conventional Corn. AS-100

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
006	PHBPU	CON %	05/17/2006	06	P	PHBPU	10	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	06/14/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/14/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	06/14/2006	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	POLPY	CON %	06/14/2006	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	06/14/2006	05	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/14/2006	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ABUTH	CON %	06/14/2006	07	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ZEAMD	CON %	07/05/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	SETFA	CON %	07/05/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	CHEAL	CON %	07/05/2006	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	POLPY	CON %	07/05/2006	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	AMATA	CON %	07/05/2006	05	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	PHBPU	CON %	07/05/2006	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	ABUTH	CON %	07/05/2006	07	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	YIELD	BU/A	10/10/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

## \* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 33N11

## \* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED

11 = FIRST LEAF UNFOLDED

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