

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: CL  
PH: 6.1  
%OM: 1.5  
PREV. CROP: GLXMA - SOYBEAN  
%RESIDUE: 0  
PLOT WIDTH: 10 X 30 FEET

DESIGN: RCB  
REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/05/06	06/05/06	06/12/06	AME
AIR TEMPERATURE	60	79	72	F
% REL. HUMIDITY	55	40	42	
WIND DIRECTION	NORTHWEST	SOUTH	NORTHWEST	
WIND SPEED	7.0	6.0	8.0	M/H
CLOUD COVER	PARTCLDY	CLEAR	CLEAR	
DEW	---	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT	---	---	---	
DEN/ STG/ MINMAXSZ				
*** CROP ***				
CORN, DENT		---/15	---/17	
BURRUS 580S RR		8.00/10.0	16.0/18.0	IN
05/05/2006				
*** PEST ***				
LAMBSQUARTERS, C		---/17	---/19	
		1.00/3.00	4.00/6.00	IN
MORNINGGLORY, IV		---/10	---/16	
		0.50/1.00	3.00/4.00	IN
FOXTAIL, GIANT		---/14	---/16	
		2.00/4.00	8.00/10.0	IN
COCKLEBUR, COMMO		---/13	---/17	
		0.50/3.00	5.00/7.00	IN

\* TIMING CODES

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

\* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4 LEAVES UNFOLDED  
15 = 5 LEAVES UNFOLDED  
16 = 6 LEAVES UNFOLDED  
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Weed Control Systems in Conventional Corn. 3105  
**CREATED:** 04/29/2006 **REVISED:** 11/03/2006 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Perry **RESEARCHED BY:** MAXWELL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	XANST	IPOHE	CHEAL	ZEAMD
		RATE	UNIT		CON % 06/05/06	CON % 06/05/06	CON % 06/05/06	CON % 06/05/06	CON % 06/05/06	CON % 06/05/06
1A	LUMAX	2.47	LAA	9	0	77	77	87	95	
2A»	LEXAR 3.7L	2.78	LAA	9	0	80	88	90	99	
3A	LUMAX	2.47	LAA	9	0	83	94	92	96	
	B ATRAZINE DF	1.00	LAA	9						
4A	KEYSTONE 5.25	2.90	LAA	9	0	92	95	85	94	
	B HORNET 68.5WG	0.107	LAA	9						
5A	DEGREE XTRA	3.00	LAA	9	0	91	94	87	98	
	B BALANCE PRO 4	0.047	LAA	9						
6A»	RADIUS 4SC	0.63	LAA	9	0	84	95	87	95	
	B ATRAZINE DF	1.00	LAA	9						
7A	GUARDSMAN MAX	2.13	LAA	9	0	83	86	84	91	
	B BALANCE PRO 4	0.047	LAA	9						
8A»	STALWART EXTRA	2.80	LAA	9	0	82	89	86	96	
	B CALLISTO 4SC	0.094	LAA	9						
9A»	KIH-485 85WG	0.15	LAA	9	0	76	78	90	93	
	B CALLISTO 4SC	0.094	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						
10A	GUARDSMAN MAX	2.45	LAA	9	0	87	84	91	98	0
	B DISTINCT 70SG	0.175	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
11A	GUARDSMAN MAX	2.45	LAA	9	0	91	80	88	97	0
	B»BAS 799 56DG	0.175	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
12A	GUARDSMAN MAX	1.67	LAA	9	0	88	88	88	96	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						
13A	BICEP II MAG	2.80	LAA	9	0	85	83	87	98	1
	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						
14A	DUAL II MAGNUM	1.59	LAA	9	0	83	50	79	57	0
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»COC	1.00	PMV	12						
	E»LIQUID AMS	1.00	PMV	12						
15A»	RADIUS 4SC	0.50	LAA	9	0	77	93	83	77	0
	B»AE F0172747 3.	0.082	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»MSO	1.00	PMV	12						
	E 28% UAN	2.50	PMV	12						
16A	CHECK	0.00	NA	0	0	0	0	0	0	0
17A	SURPASS 6.4EC	2.00	LAA	9	0	90	82	87	58	0
	B HORNET 68.5WG	0.128	LAA	12						
	C CALLISTO 4SC	0.023	LAA	12						
	D ATRAZINE DF	0.25	LAA	12						
	E»COC	1.00	PMV	12						
	F»LIQUID AMS	2.50	PMV	12						

## TITLE: Weed Control Systems in Conventional Corn. 3105

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	XANST	IPOHE	CHEAL	ZEAMD
		RATE	UNIT		CON % 06/05/06	CON % 06/05/06	CON % 06/05/06	CON % 06/05/06	CON % 06/05/06	CON % 06/05/06
18A	SURPASS 6.4EC	2.00	LAA	9	0	89	89	85	53	1
	B HORNET 68.5WG	0.128	LAA	12						
	C»IMPACT 2.8SC	0.0055	LAA	12						
	D ATRAZINE DF	0.25	LAA	12						
	E»MSO	1.00	PMV	12						
	F»LIQUID AMS	2.50	PMV	12						
19A»	CINCH ATZ 5.5L	1.03	LAA	9	0	72	85	81	85	1
	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						
20A»	RESOLVE 25DF	0.023	LAA	9	0	58	58	67	73	0
	B BALANCE PRO 4	0.047	LAA	9						
	C ACCENT 75WG	0.032	LAA	12						
	D»HARMONY GT 50W	0.0023	LAA	12						
	E»COC	1.00	PMV	12						
	F»LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			0.00	7.95	16.85	7.17	10.55	1.00
		STANDARD DEVIATION			0.00	3.93	8.34	3.55	5.22	0.492

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**LOCATION:** Perry **RESEARCHED BY:** MAXWELL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	XANST	IPOHE	CHEAL	ZEAMD	SETFA
		RATE	UNIT		10 DAT 06/16/06	10 DAT 06/16/06	10 DAT 06/16/06	10 DAT 06/16/06	30 DAT 07/07/06	30 DAT 07/07/06
1A	LUMAX	2.47	LAA	9					0	65
2A»	LEXAR 3.7L	2.78	LAA	9					0	67
3A	LUMAX	2.47	LAA	9					0	76
B	ATRAZINE DF	1.00	LAA	9						
4A	KEYSTONE 5.25	2.90	LAA	9					0	87
B	HORNET 68.5WG	0.107	LAA	9						
5A	DEGREE XTRA	3.00	LAA	9					0	86
B	BALANCE PRO 4	0.047	LAA	9						
6A»	RADIUS 4SC	0.63	LAA	9					0	77
B	ATRAZINE DF	1.00	LAA	9						
7A	GUARDSMAN MAX	2.13	LAA	9					0	77
B	BALANCE PRO 4	0.047	LAA	9						
8A»	STALWART EXTRA	2.80	LAA	9					0	66
B	CALLISTO 4SC	0.094	LAA	9						
9A»	KIH-485 85WG	0.15	LAA	9					0	65
B	CALLISTO 4SC	0.094	LAA	9						
C	ATRAZINE DF	1.00	LAA	9						
10A	GUARDSMAN MAX	2.45	LAA	9	92	95	96	99	0	90
B	DISTINCT 70SG	0.175	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
11A	GUARDSMAN MAX	2.45	LAA	9	94	96	96	99	0	87
B»	BAS 799 56DG	0.175	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
12A	GUARDSMAN MAX	1.67	LAA	9	96	98	97	99	0	95
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						
13A	BICEP II MAG	2.80	LAA	9	89	97	96	99	0	87
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						
14A	DUAL II MAGNUM	1.59	LAA	9	78	95	84	93	0	70
B	CALLISTO 4SC	0.094	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D»	COC	1.00	PMV	12						
E»	LIQUID AMS	1.00	PMV	12						
15A»	RADIUS 4SC	0.50	LAA	9	90	99	87	96	0	90
B»	AE F0172747 3.	0.082	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D»	MSO	1.00	PMV	12						
E	28% UAN	2.50	PMV	12						
16A	CHECK	0.00	NA	0	0	0	0	0	0	0
17A	SURPASS 6.4EC	2.00	LAA	9	88	96	86	91	0	83
B	HORNET 68.5WG	0.128	LAA	12						
C	CALLISTO 4SC	0.023	LAA	12						
D	ATRAZINE DF	0.25	LAA	12						
E»	COC	1.00	PMV	12						
F»	LIQUID AMS	2.50	PMV	12						

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TRT NUM	TREATMENT COMPONENT	DOSAGE		SETFA	XANST	IPOHE	CHEAL	ZEAMD	SETFA	
		RATE	UNIT	10 DAT 06/16/06	10 DAT 06/16/06	10 DAT 06/16/06	10 DAT 06/16/06	30 DAT 07/07/06	30 DAT 07/07/06	
18A	SURPASS 6.4EC	2.00	LAA	9	92	97	87	94	0	88
	B HORNET 68.5WG	0.128	LAA	12						
	C»IMPACT 2.8SC	0.0055	LAA	12						
	D ATRAZINE DF	0.25	LAA	12						
	E»MSO	1.00	PMV	12						
	F»LIQUID AMS	2.50	PMV	12						
19A»	CINCH ATZ 5.5L	1.03	LAA	9	75	97	86	96	0	75
	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						
20A»	RESOLVE 25DF	0.023	LAA	9	75	80	67	83	0	75
	B BALANCE PRO 4	0.047	LAA	9						
	C ACCENT 75WG	0.032	LAA	12						
	D»HARMONY GT 50W	0.0023	LAA	12						
	E»COC	1.00	PMV	12						
	F»LIQUID AMS	2.50	PMV	12						
			LSD (0.05)		5.57	10.74	4.23	7.21	0.00	5.81
			STANDARD DEVIATION		2.67	5.15	2.00	3.46	0.00	2.88

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**LOCATION:** Perry **RESEARCHED BY:** MAXWELL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	XANST	IPOHE	CHEAL	YIELD
		RATE	UNIT		30 DAT 07/07/06	30 DAT 07/07/06	30 DAT 07/07/06	BU/A 10/09/06
1A	LUMAX	2.47	LAA	9	75	90	95	137.4
2A»	LEXAR 3.7L	2.78	LAA	9	85	85	99	134.8
3A	LUMAX	2.47	LAA	9	96	91	98	130.6
	B ATRAZINE DF	1.00	LAA	9				
4A	KEYSTONE 5.25	2.90	LAA	9	87	70	94	123.9
	B HORNET 68.5WG	0.107	LAA	9				
5A	DEGREE XTRA	3.00	LAA	9	89	65	98	136.0
	B BALANCE PRO 4	0.047	LAA	9				
6A»	RADIUS 4SC	0.63	LAA	9	93	63	94	130.9
	B ATRAZINE DF	1.00	LAA	9				
7A	GUARDSMAN MAX	2.13	LAA	9	80	70	92	129.2
	B BALANCE PRO 4	0.047	LAA	9				
8A»	STALWART EXTRA	2.80	LAA	9	77	70	98	121.1
	B CALLISTO 4SC	0.094	LAA	9				
9A»	KIH-485 85WG	0.15	LAA	9	65	85	88	127.0
	B CALLISTO 4SC	0.094	LAA	9				
	C ATRAZINE DF	1.00	LAA	9				
10A	GUARDSMAN MAX	2.45	LAA	9	95	95	99	124.7
	B DISTINCT 70SG	0.175	LAA	11				
	C»ACTIVATOR 90	0.25	PMV	11				
11A	GUARDSMAN MAX	2.45	LAA	9	94	94	99	127.0
	B»BAS 799 56DG	0.175	LAA	11				
	C»ACTIVATOR 90	0.25	PMV	11				
12A	GUARDSMAN MAX	1.67	LAA	9	94	88	99	128.9
	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				
13A	BICEP II MAG	2.80	LAA	9	94	96	99	136.8
	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				
14A	DUAL II MAGNUM	1.59	LAA	9	99	85	94	133.9
	B CALLISTO 4SC	0.094	LAA	12				
	C ATRAZINE DF	0.50	LAA	12				
	D»COC	1.00	PMV	12				
	E»LIQUID AMS	1.00	PMV	12				
15A»	RADIUS 4SC	0.50	LAA	9	99	85	99	128.4
	B»AE F0172747 3.	0.082	LAA	12				
	C ATRAZINE DF	0.50	LAA	12				
	D»MSO	1.00	PMV	12				
	E 28% UAN	2.50	PMV	12				
16A	CHECK	0.00	NA	0	0	0	0	16.2
17A	SURPASS 6.4EC	2.00	LAA	9	97	86	90	134.0
	B HORNET 68.5WG	0.128	LAA	12				
	C CALLISTO 4SC	0.023	LAA	12				
	D ATRAZINE DF	0.25	LAA	12				
	E»COC	1.00	PMV	12				
	F»LIQUID AMS	2.50	PMV	12				

TITLE: Weed Control Systems in Conventional Corn. 3105

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	XANST	IPOHE	CHEAL	YIELD	
		RATE	UNIT		30 DAT 07/07/06	30 DAT 07/07/06	30 DAT 07/07/06	BU/A 10/09/06	
18A	SURPASS 6.4EC	2.00	LAA	9	99	84	93	125.5	
	B HORNET 68.5WG	0.128	LAA	12					
	C»IMPACT 2.8SC	0.0055	LAA	12					
	D ATRAZINE DF	0.25	LAA	12					
	E»MSO	1.00	PMV	12					
	F»LIQUID AMS	2.50	PMV	12					
19A»	CINCH ATZ 5.5L	1.03	LAA	9	97	80	98	124.6	
	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					
20A»	RESOLVE 25DF	0.023	LAA	9	83	70	88	122.6	
	B BALANCE PRO 4	0.047	LAA	9					
	C ACCENT 75WG	0.032	LAA	12					
	D»HARMONY GT 50W	0.0023	LAA	12					
	E»COC	1.00	PMV	12					
	F»LIQUID AMS	2.50	PMV	12					
					LSD (0.05)	14.32	8.42	7.33	20.95
					STANDARD DEVIATION	7.09	4.17	3.63	10.36

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 09 = ----- / PREEMERGENCE 05/05/2006(1)  
 11 = ----- / EPOST 06/05/2006(2)  
 12 = ----- / POST 06/12/2006(3)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	ZEAMD	CON %	06/05/2006	01	P	ZEAMD	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/05/2006	02	P	SETFA	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	XANST	CON %	06/05/2006	03	P	XANST	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	IPOHE	CON %	06/05/2006	04	P	IPOHE	10	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL	CON %	06/05/2006	05	P	CHEAL	17	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	10 DAT	06/16/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	10 DAT	06/16/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	XANST	10 DAT	06/16/2006	03	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	IPOHE	10 DAT	06/16/2006	04	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	10 DAT	06/16/2006	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD	30 DAT	07/07/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	30 DAT	07/07/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	XANST	30 DAT	07/07/2006	03	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	IPOHE	30 DAT	07/07/2006	04	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	30 DAT	07/07/2006	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	YIELD	BU/A	10/09/0006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = BURRUS 580S RR

\* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4 LEAVES UNFOLDED  
 15 = 5 LEAVES UNFOLDED  
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED