

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: CL  
 PH: 6.1  
 %OM: 1.5  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: 0  
 PLOT WIDTH: 10 X 28 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	05/05/06	06/12/06	AME
AIR TEMPERATURE	60	72	F
% REL.HUMIDITY	55	42	
WIND DIRECTION	NORTHWEST	NORTHWEST	
WIND SPEED	7.0	7.0	M/H
CLOUD COVER	PARTCLDY	PARTCLDY	
DEW	---	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	---	---	
DN/SG/MMZ			
*** CROP ***			
CORN, DENT		---/17	
DEKALB 63-81		17.0/18.0	IN
05/05/2006			
*** PEST ***			
VELVETLEAF		---/16	
		5.00/7.00	IN
LAMBSQUARTERS, C		---/19	
		4.00/5.00	IN
MORNINGGLORY, IV		---/15	
		3.00/4.00	IN
FOXTAIL, GIANT		---/16	
		8.00/10.0	IN

\* TIMING CODES

09 = ----- / PREEMERGENCE  
 12 = ----- / POST

\* STAGE CODE

15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6 LEAVES UNFOLDED  
 17 = 7 LEAVES UNFOLDED  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Weed Control Systems in Glyphosate-Resistant Corn. 2404  
**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 28.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	ABUTH	IPOHE	ZEAMD
		RATE	UNIT		CON % 06/05/06	CON % 06/05/06	CON % 06/05/06	CON % 06/05/06	CON % 06/05/06	CON % 06/23/06
1A	KEYSTONE 5.25	1.97	LAA	9	0	86	95	91	88	0
	B»GLYPHOMAX XRT	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
2A»	GF-1834 4.07EW	0.89	LAA	9	0	78	80	92	86	0
	B»GLYPHOMAX XRT	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
3A	HORNET 68.5WG	0.086	LAA	9	0	65	93	92	89	0
	B ATRAZINE DF	1.00	LAA	9						
	C»GLYPHOMAX XRT	0.75	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
4A	SURPASS 6.4EC	1.00	LAA	9	0	82	63	90	86	0
	B»GLYPHOMAX XRT	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
5A	GUARDSMAN MAX	1.25	LAA	9	0	75	86	92	87	0
	B»WEATHERMAX 4.5	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
6A	GUARDSMAN MAX	1.25	LAA	9	0	82	93	94	89	0
	B»WEATHERMAX 4.5	0.75	LAA	12						
	C DISTINCT 70SG	0.131	LAA	12						
	D ATRAZINE DF	0.50	LAA	12						
	E»ACTIVATOR 90	0.25	PMV	12						
	F»LIQUID AMS	2.50	PMV	12						
7A»	STALWART EXTRA	2.20	LAA	9	0	75	95	95	89	0
	B»RDUP ORIG MAX	0.75	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
8A	HARNESS XTRA	1.75	LAA	9	0	82	81	87	84	0
	B»RDUP ORIG MAX	0.75	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
9A	LUMAX	1.67	LAA	9	0	73	92	96	88	0
	B»TOUCHDN TOTAL	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
10A»	RESOLVE 25DF	0.016	LAA	9	0	70	96	96	91	0
	B ATRAZINE DF	1.00	LAA	9						
	C»WEATHERMAX 4.5	0.75	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
11A	HARNESS XTRA	1.75	LAA	9	0	87	83	84	78	0
	B»IMPACT 2.8SC	0.011	LAA	12						
	C»RDUP ORIG MAX	0.75	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
12A	CHECK	0.00	NA	0	0	0	0	0	0	0
13A	HARNESS XTRA	1.75	LAA	9	0	90	84	90	85	0
	B»IMPACT 2.8SC	0.016	LAA	12						
	C»RDUP ORIG MAX	0.77	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
14A	HARNESS XTRA	2.35	LAA	9	0	88	82	88	83	0
	B»WEATHERMAX 4.5	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
15A»	RDUP ORIG MAX	0.75	LAA	12	0					0
	B»ACTIVATOR 90	0.25	PMV	12						
	C»LIQUID AMS	2.50	PMV	12						

**TITLE:** Weed Control Systems in Glyphosate-Resistant Corn. 2404

TRT NUM	TREATMENT COMPONENT	DOSAGE		ZEAMD	SETFA	CHEAL	ABUTH	IPOHE	ZEAMD
		RATE	UNIT TM	CON % 06/05/06	CON % 06/05/06	CON % 06/05/06	CON % 06/05/06	CON % 06/05/06	CON % 06/23/06
16A»	RDUP ORIG MAX	0.75	LAA 12	0					0
	B ATRAZINE DF	1.00	LAA 12						
	C»ACTIVATOR 90	0.25	PMV 12						
	D»LIQUID AMS	2.50	PMV 12						
		LSD (0.05)		0.00	7.41	7.79	5.67	4.60	0.00
		STANDARD DEVIATION		0.00	3.60	3.79	2.76	2.24	0.00

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**LOCATION:** Perry **RESEARCHED BY:** MAXWELL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT WIDE X 28.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	CHEAL	ABUTH	IPOHE	ZEAMD	SETFA
		RATE	UNIT		CON % 06/23/06	CON % 06/23/06	CON % 06/23/06	CON % 06/23/06	CON % 07/13/06	CON % 07/13/06
1A	KEYSTONE 5.25	1.97	LAA	9	96	99	98	87	0	96
	B»GLYPHOMAX XRT	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
2A»	GF-1834 4.07EW	0.89	LAA	9	97	97	99	78	0	95
	B»GLYPHOMAX XRT	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
3A	HORNET 68.5WG	0.086	LAA	9	96	99	99	94	0	93
	B ATRAZINE DF	1.00	LAA	9						
	C»GLYPHOMAX XRT	0.75	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
4A	SURPASS 6.4EC	1.00	LAA	9	98	96	98	76	0	96
	B»GLYPHOMAX XRT	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
5A	GUARDSMAN MAX	1.25	LAA	9	96	99	98	88	0	94
	B»WEATHERMAX 4.5	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
6A	GUARDSMAN MAX	1.25	LAA	9	94	99	99	92	0	95
	B»WEATHERMAX 4.5	0.75	LAA	12						
	C DISTINCT 70SG	0.131	LAA	12						
	D ATRAZINE DF	0.50	LAA	12						
	E»ACTIVATOR 90	0.25	PMV	12						
	F»LIQUID AMS	2.50	PMV	12						
7A»	STALWART EXTRA	2.20	LAA	9	96	98	99	92	0	96
	B»RDUP ORIG MAX	0.75	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
8A	HARNESS XTRA	1.75	LAA	9	96	96	93	73	0	96
	B»RDUP ORIG MAX	0.75	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
9A	LUMAX	1.67	LAA	9	98	99	99	89	0	96
	B»TOUCHDN TOTAL	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
10A»	RESOLVE 25DF	0.016	LAA	9	96	99	99	93	0	96
	B ATRAZINE DF	1.00	LAA	9						
	C»WEATHERMAX 4.5	0.75	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
11A	HARNESS XTRA	1.75	LAA	9	97	98	98	75	0	96
	B»IMPACT 2.8SC	0.011	LAA	12						
	C»RDUP ORIG MAX	0.75	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
12A	CHECK	0.00	NA	0	0	0	0	0	0	0
13A	HARNESS XTRA	1.75	LAA	9	97	98	99	81	0	97
	B»IMPACT 2.8SC	0.016	LAA	12						
	C»RDUP ORIG MAX	0.77	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
14A	HARNESS XTRA	2.35	LAA	9	96	95	96	77	0	97
	B»WEATHERMAX 4.5	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
15A»	RDUP ORIG MAX	0.75	LAA	12	95	93	99	73	0	96
	B»ACTIVATOR 90	0.25	PMV	12						
	C»LIQUID AMS	2.50	PMV	12						

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TRT NUM	TREATMENT COMPONENT	DOSAGE		SETFA	CHEAL	ABUTH	IPOHE	ZEAMD	SETFA
		RATE	UNIT TM	CON % 06/23/06	CON % 06/23/06	CON % 06/23/06	CON % 06/23/06	CON % 07/13/06	CON % 07/13/06
16A»	RDUP ORIG MAX	0.75	LAA 12	90	92	99	80	0	93
	B ATRAZINE DF	1.00	LAA 12						
	C»ACTIVATOR 90	0.25	PMV 12						
	D»LIQUID AMS	2.50	PMV 12						
		LSD (0.05)		2.00	3.56	1.74	8.31	0.00	2.12
		STANDARD DEVIATION		1.00	1.74	0.853	4.07	0.00	1.00

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**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT WIDE X 28.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	CHEAL	ABUTH	IPOHE	YIELD
		RATE	UNIT		CON % 07/13/06	CON % 07/13/06	CON % 07/13/06	BU/A 10/09/06
1A	KEYSTONE 5.25	1.97	LAA	9	99	98	89	175.7
	B»GLYPHOMAX XRT	0.75	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
2A»	GF-1834 4.07EW	0.89	LAA	9	97	99	74	180.0
	B»GLYPHOMAX XRT	0.75	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
3A	HORNET 68.5WG	0.086	LAA	9	99	99	87	169.9
	B ATRAZINE DF	1.00	LAA	9				
	C»GLYPHOMAX XRT	0.75	LAA	12				
	D»LIQUID AMS	2.50	PMV	12				
4A	SURPASS 6.4EC	1.00	LAA	9	96	98	72	176.1
	B»GLYPHOMAX XRT	0.75	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
5A	GUARDSMAN MAX	1.25	LAA	9	99	98	85	169.3
	B»WEATHERMAX 4.5	0.75	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
6A	GUARDSMAN MAX	1.25	LAA	9	99	99	92	179.6
	B»WEATHERMAX 4.5	0.75	LAA	12				
	C DISTINCT 70SG	0.131	LAA	12				
	D ATRAZINE DF	0.50	LAA	12				
	E»ACTIVATOR 90	0.25	PMV	12				
	F»LIQUID AMS	2.50	PMV	12				
7A»	STALWART EXTRA	2.20	LAA	9	98	99	89	183.1
	B»RDUP ORIG MAX	0.75	LAA	12				
	C»ACTIVATOR 90	0.25	PMV	12				
	D»LIQUID AMS	2.50	PMV	12				
8A	HARNESS XTRA	1.75	LAA	9	93	96	65	192.3
	B»RDUP ORIG MAX	0.75	LAA	12				
	C»ACTIVATOR 90	0.25	PMV	12				
	D»LIQUID AMS	2.50	PMV	12				
9A	LUMAX	1.67	LAA	9	99	99	88	184.7
	B»TOUCHDN TOTAL	0.75	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
10A»	RESOLVE 25DF	0.016	LAA	9	99	99	86	183.7
	B ATRAZINE DF	1.00	LAA	9				
	C»WEATHERMAX 4.5	0.75	LAA	12				
	D»LIQUID AMS	2.50	PMV	12				
11A	HARNESS XTRA	1.75	LAA	9	96	98	72	181.4
	B»IMPACT 2.8SC	0.011	LAA	12				
	C»RDUP ORIG MAX	0.75	LAA	12				
	D»LIQUID AMS	2.50	PMV	12				
12A	CHECK	0.00	NA	0	0	0	0	21.3
13A	HARNESS XTRA	1.75	LAA	9	98	99	78	172.5
	B»IMPACT 2.8SC	0.016	LAA	12				
	C»RDUP ORIG MAX	0.77	LAA	12				
	D»LIQUID AMS	2.50	PMV	12				
14A	HARNESS XTRA	2.35	LAA	9	94	97	72	177.3
	B»WEATHERMAX 4.5	0.75	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
15A»	RDUP ORIG MAX	0.75	LAA	12	85	96	68	158.8
	B»ACTIVATOR 90	0.25	PMV	12				
	C»LIQUID AMS	2.50	PMV	12				

TITLE: Weed Control Systems in Glyphosate-Resistant Corn. 2404

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	CHEAL CON % 07/13/06	ABUTH CON % 07/13/06	IPOHE CON % 07/13/06	YIELD BU/A 10/09/06
16A»RDUP ORIG MAX	0.75	LAA 12	95	99	82
B ATRAZINE DF	1.00	LAA 12			
C»ACTIVATOR 90	0.25	PMV 12			
D»LIQUID AMS	2.50	PMV 12			
	LSLSD (0.05)	6.30	2.00	9.25	18.72
	STANDARD DEVIATION	3.08	1.00	4.53	9.17

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

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

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 %	06/05/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/05/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/05/2006	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/05/2006	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	IPOHE	CON %	06/05/2006	05	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	06/23/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/23/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	CHEAL	CON %	06/23/2006	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	06/23/2006	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	IPOHE	CON %	06/23/2006	05	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD	CON %	07/13/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	07/13/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	CHEAL	CON %	07/13/2006	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	CON %	07/13/2006	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	IPOHE	CON %	07/13/2006	05	P	IPOHE		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 = DEKALB 63-81