

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: CL
PH: 6.1
%OM: 1.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: 0
PLOT WIDTH: 10 X 30 FEET
PLOT AREA: 300 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	10	11	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/06/08	05/28/08	06/08/08	AME
AIR TEMPERATURE	72	66	87	F
% REL.HUMIDITY	63	55	65	
WIND DIRECTION	SOUTHWEST	NORTHEAST	SOUTHWEST	
WIND SPEED	3.0	5.0	10.0	M/H
CLOUD COVER	OVERCAST	CLEAR	CLEAR	
DEW	---	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	
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
SCREEN SIZE				
SCREEN SZ DESC	NA	NA	NA	
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	
SCREEN SIZE	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		---/12	---/15	
DKC64-27 RR2		3.00/3.50	10.0/12.0	IN
05/06/2008				
*** PEST ***				
VELVETLEAF		---/11	---/14	
		0.50/1.50	1.50/4.00	IN
LAMBSQUARTERS, C		---/14	---/19	
		0.50/1.50	1.00/4.00	IN
MORNINGGLORY, IV		---/10	---/13	
		0.50/1.00	2.00/2.50	IN
FOXTAIL, GIANT		---/12	---/14	
		0.50/1.50	3.00/6.00	IN
COCKLEBUR, COMMO		---/12	---/16	
		0.50/1.50	3.00/4.00	IN

* TIMING CODES

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

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2 LEAVES UNFOLDED
12 = 2 LEAVES UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4 LEAVES UNFOLDED
15 = 5 LEAVES UNFOLDED

* STAGE CODE

16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: New corn herbicides for weed control in glyphosate-resistant corn. 2404

CREATED: 05/03/2008 REVISED: 11/24/2008

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

PLOT AREA: 300.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	IPOHE	XANST	ABUTH	CHEAL
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/08/08	06/08/08	06/08/08	06/08/08	06/08/08	06/08/08
1A»	BAS 78102H 5.5	1.09	LAA 9	0	99	98	98	99	99
2A»	BAS 80004H 2.8	0.089	LAA 9	0	99	98	96	99	99
	B GUARDSMAN MAX	2.87	LAA 9						
3A»	LEXAR 3.7L	2.78	LAA 9	0	99	96	87	99	99
4A»	KIH-485 85WG	0.22	LAA 9	0	99	96	73	98	99
	B ATRAZINE DF	1.50	LAA 9						
5A»	BAL FLEXX 2L	0.078	LAA 9	0	99	87	86	98	99
	B ATRAZINE DF	1.50	LAA 9						
6A»	CORVUS 2.6SC	0.091	LAA 9	0	98	87	86	95	99
	B ATRAZINE DF	1.50	LAA 9						
7A»	BAL FLEXX 2L	0.078	LAA 10	0	96	95	95	98	99
	B ATRAZINE DF	1.50	LAA 10						
8A»	CORVUS 2.6SC	0.091	LAA 10	0	94	97	93	98	99
	B ATRAZINE DF	1.50	LAA 10						
9A»	CAPRENO 3.45 S	0.081	LAA 10	0	98	95	95	97	99
	B ATRAZINE DF	0.50	LAA 10						
	C»COC	1.00	PMV 10						
	D 28% UAN	2.50	PMV 10						
10A»	RESOLVE 25DF	0.012	LAA 11	C	C	C	C	C	C
	B ACCENT 75WG	0.023	LAA 11						
	C»ISOXADIFEN-ETH	0.0078	LAA 11						
	D»IMPACT 2.8SC	0.011	LAA 11						
	E ATRAZINE DF	0.50	LAA 11						
	F»MSO	1.00	PMV 11						
	G»LIQUID AMS	2.50	PMV 11						
LSD (0.05)				0.00	1.00	4.82	13.33	1.32	0.00
STANDARD DEVIATION				0.00	0.477	2.29	6.35	0.631	0.00

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PLOT AREA: 300.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	IPOHE	XANST	ABUTH	CHEAL
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/20/08	06/20/08	06/20/08	06/20/08	06/20/08	06/20/08
1A»	BAS 78102H 5.5	1.09	LAA 9	C	C	C	C	C	C
2A»	BAS 80004H 2.8	0.089	LAA 9	C	C	C	C	C	C
	B GUARDSMAN MAX	2.87	LAA 9						
3A»	LEXAR 3.7L	2.78	LAA 9	C	C	C	C	C	C
4A»	KIH-485 85WG	0.22	LAA 9	C	C	C	C	C	C
	B ATRAZINE DF	1.50	LAA 9						
5A»	BAL FLEXX 2L	0.078	LAA 9	C	C	C	C	C	C
	B ATRAZINE DF	1.50	LAA 9						
6A»	CORVUS 2.6SC	0.091	LAA 9	C	C	C	C	C	C
	B ATRAZINE DF	1.50	LAA 9						
7A»	BAL FLEXX 2L	0.078	LAA 10	C	C	C	C	C	C
	B ATRAZINE DF	1.50	LAA 10						
8A»	CORVUS 2.6SC	0.091	LAA 10	C	C	C	C	C	C
	B ATRAZINE DF	1.50	LAA 10						
9A»	CAPRENO 3.45 S	0.081	LAA 10	C	C	C	C	C	C
	B ATRAZINE DF	0.50	LAA 10						
	C»COC	1.00	PMV 10						
	D 28% UAN	2.50	PMV 10						
10A»	RESOLVE 25DF	0.012	LAA 11	4	98	92	92	97	95
	B ACCENT 75WG	0.023	LAA 11						
	C»ISOXADIFEN-ETH	0.0078	LAA 11						
	D»IMPACT 2.8SC	0.011	LAA 11						
	E ATRAZINE DF	0.50	LAA 11						
	F»MSO	1.00	PMV 11						
	G»LIQUID AMS	2.50	PMV 11						
LSD (0.05)				0.626	0.626	1.57	5.66	1.08	2.45
STANDARD DEVIATION				0.298	0.298	0.745	2.70	0.516	1.16

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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

PLOT AREA: 300.00 SFT

REPS: 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07/01/08	SETFA CON % 07/01/08	IPOHE CON % 07/01/08	XANST CON % 07/01/08	ABUTH CON % 07/01/08	CHEAL CON % 07/01/08
1A»BAS 78102H 5.5	1.09	LAA	9	C	C	C	C	C	C
2A»BAS 80004H 2.8	0.089	LAA	9	C	C	C	C	C	C
B GUARDSMAN MAX	2.87	LAA	9						
3A»LEXAR 3.7L	2.78	LAA	9	C	C	C	C	C	C
4A»KIH-485 85WG	0.22	LAA	9	C	C	C	C	C	C
B ATRAZINE DF	1.50	LAA	9						
5A»BAL FLEXX 2L	0.078	LAA	9	C	C	C	C	C	C
B ATRAZINE DF	1.50	LAA	9						
6A»CORVUS 2.6SC	0.091	LAA	9	C	C	C	C	C	C
B ATRAZINE DF	1.50	LAA	9						
7A»BAL FLEXX 2L	0.078	LAA	10	0	93	72	85	99	98
B ATRAZINE DF	1.50	LAA	10						
8A»CORVUS 2.6SC	0.091	LAA	10	0	88	73	86	99	99
B ATRAZINE DF	1.50	LAA	10						
9A»CAPRENO 3.45 S	0.081	LAA	10	0	93	62	74	92	99
B ATRAZINE DF	0.50	LAA	10						
C»COC	1.00	PMV	10						
D 28% UAN	2.50	PMV	10						
10A»RESOLVE 25DF	0.012	LAA	11	C	C	C	C	C	C
B ACCENT 75WG	0.023	LAA	11						
C»ISOXADIFEN-ETH	0.0078	LAA	11						
D»IMPACT 2.8SC	0.011	LAA	11						
E ATRAZINE DF	0.50	LAA	11						
F»MSO	1.00	PMV	11						
G»LIQUID AMS	2.50	PMV	11						
LSD (0.05)				0.00	4.28	7.55	13.17	3.49	0.626
STANDARD DEVIATION				0.00	2.00	3.59	6.27	1.66	0.298

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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

PLOT AREA: 300.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	IPOHE	XANST	ABUTH	CHEAL
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				07/10/08	07/10/08	07/10/08	07/10/08	07/10/08	07/10/08
1A»	BAS 78102H 5.5	1.09	LAA 9	0	88	47	87	96	99
2A»	BAS 80004H 2.8	0.089	LAA 9	0	91	37	80	98	99
	B GUARDSMAN MAX	2.87	LAA 9						
3A»	LEXAR 3.7L	2.78	LAA 9	0	94	40	65	99	99
4A»	KIH-485 85WG	0.22	LAA 9	0	98	60	23	96	99
	B ATRAZINE DF	1.50	LAA 9						
5A»	BAL FLEXX 2L	0.078	LAA 9	0	89	33	50	88	99
	B ATRAZINE DF	1.50	LAA 9						
6A»	CORVUS 2.6SC	0.091	LAA 9	0	93	47	57	89	99
	B ATRAZINE DF	1.50	LAA 9						
7A»	BAL FLEXX 2L	0.078	LAA 10	C	C	C	C	C	C
	B ATRAZINE DF	1.50	LAA 10						
8A»	CORVUS 2.6SC	0.091	LAA 10	C	C	C	C	C	C
	B ATRAZINE DF	1.50	LAA 10						
9A»	CAPRENO 3.45 S	0.081	LAA 10	C	C	C	C	C	C
	B ATRAZINE DF	0.50	LAA 10						
	C»COC	1.00	PMV 10						
	D 28% UAN	2.50	PMV 10						
10A»	RESOLVE 25DF	0.012	LAA 11	0	97	67	81	98	95
	B ACCENT 75WG	0.023	LAA 11						
	C»ISOXADIFEN-ETH	0.0078	LAA 11						
	D»IMPACT 2.8SC	0.011	LAA 11						
	E ATRAZINE DF	0.50	LAA 11						
	F»MSO	1.00	PMV 11						
	G»LIQUID AMS	2.50	PMV 11						
LSD (0.05)				0.00	6.61	13.25	21.00	12.61	2.45
STANDARD DEVIATION				0.00	3.15	6.31	10.00	6.00	1.16

TITLE: New corn herbicides for weed control in glyphosate-resistant corn. 2404
CREATED: 05/03/2008 **REVISED:** 11/24/2008 **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
PLOT AREA: 300.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE	YIELD
NUM	COMPONENT	RATE	BU/A
		UNIT	TM
			10/26/08
1A»	BAS 78102H 5.5	1.09	LAA 9 213.9
2A»	BAS 80004H 2.8	0.089	LAA 9 227.0
	B GUARDSMAN MAX	2.87	LAA 9
3A»	LEXAR 3.7L	2.78	LAA 9 219.2
4A»	KIH-485 85WG	0.22	LAA 9 233.9
	B ATRAZINE DF	1.50	LAA 9
5A»	BAL FLEXX 2L	0.078	LAA 9 213.0
	B ATRAZINE DF	1.50	LAA 9
6A»	CORVUS 2.6SC	0.091	LAA 9 219.4
	B ATRAZINE DF	1.50	LAA 9
7A»	BAL FLEXX 2L	0.078	LAA 10 209.2
	B ATRAZINE DF	1.50	LAA 10
8A»	CORVUS 2.6SC	0.091	LAA 10 230.8
	B ATRAZINE DF	1.50	LAA 10
9A»	CAPRENO 3.45 S	0.081	LAA 10 217.3
	B ATRAZINE DF	0.50	LAA 10
	C»COC	1.00	PMV 10
	D 28% UAN	2.50	PMV 10
10A»	RESOLVE 25DF	0.012	LAA 11 218.3
	B ACCENT 75WG	0.023	LAA 11
	C»ISOXADIFEN-ETH	0.0078	LAA 11
	D»IMPACT 2.8SC	0.011	LAA 11
	E ATRAZINE DF	0.50	LAA 11
	F»MSO	1.00	PMV 11
	G»LIQUID AMS	2.50	PMV 11
	LSD (0.05)		17.59
	STANDARD DEVIATION		8.37

» = SUPPLEMENTAL CHEMICAL

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

* TIMING CODES

09 = ----- / PREEMERGENCE 05/06/2008(1)

10 = ----- / VEPOST 05/28/2008(2)

11 = ----- / EPOST 06/08/2008(3)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	CON %	06/08/2008	01	P	ZEAMD	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/08/2008	02	P	SETFA	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	IPOHE	CON %	06/08/2008	03	P	IPOHE	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	XANST	CON %	06/08/2008	04	P	XANST	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/08/2008	05	P	ABUTH	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	CHEAL	CON %	06/08/2008	06	P	CHEAL	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	06/20/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/20/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	IPOHE	CON %	06/20/2008	03	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	XANST	CON %	06/20/2008	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/20/2008	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	CHEAL	CON %	06/20/2008	06	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD	CON %	07/01/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	07/01/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	IPOHE	CON %	07/01/2008	03	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	XANST	CON %	07/01/2008	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	07/01/2008	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: New corn herbicides for weed control in glyphosate-resistant corn. 2404

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
018	CHEAL	CON %	07/01/2008	06	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ZEAMD	CON %	07/10/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	SETFA	CON %	07/10/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	IPOHE	CON %	07/10/2008	03	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	XANST	CON %	07/10/2008	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	ABUTH	CON %	07/10/2008	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	CHEAL	CON %	07/10/2008	06	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
025	YIELD	BU/A	10/26/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = DKC64-27 RR2

* STAGE CODE

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

14 = 4 LEAVES UNFOLDED

14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

15 = 5 LEAVES UNFOLDED

16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

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