

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH:
%OM: 0.0
PREV. CROP: GLXMA - SOYBEAN
%RESIDUE: 0
PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	04/26/06	06/08/06	AME
AIR TEMPERATURE	60	83	F
% REL. HUMIDITY	35	28	
WIND DIRECTION	NORTHWEST	NORTH	
WIND SPEED	9.0	5.0	M/H
CLOUD COVER	---	CLEAR	
DEW	---	NO	
SOIL MOISTURE	MOIST/DRY	DRY/MOIST	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	---	---	
DN/SG/MMZ			
*** CROP ***			
CORN, DENT	---/00	---/15	
DKC 63-74	0.00/0.00	24.0/24.0	IN
04/26/2006			
*** PEST ***			
WATERHEMP, COMMO	---/00	---/18	
	0.00/0.00	5.00/5.00	IN
RAGWEED, COMMON	---/00	---/15	
	0.00/0.00	9.00/9.00	IN
MORNINGGLORY, TA	---/00	---/15	
	0.00/0.00	4.00/4.00	IN
FOXTAIL, GIANT	---/00	---/15	
	0.00/0.00	10.0/10.0	IN

* TIMING CODES

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

* STAGE CODE

00 = DRY SEED (CARYOPSIS)
15 = 5 LEAVES UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Weed Control Systems in Glyphosate-Resistant Corn. E2/E3
CREATED: 04/25/2006 **REVISED:** 11/03/2006 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Brownstown **RESEARCHED BY:**
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	AMATA	AMBEL	PHBPU	ZEAMD
		RATE	UNIT		CON % 05/30/06	CON % 05/30/06	CON % 05/30/06	CON % 05/30/06	CON % 05/30/06	CON % 06/19/06
1A	KEYSTONE 5.25	1.97	LAA	9	0	97	99	98	98	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	96	99	92	97	0
	B»GLYPHOMAX XRT	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
3A	HORNET 68.5WG	0.086	LAA	9	0	90	98	99	99	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	91	99	55	99	0
	B»GLYPHOMAX XRT	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
5A	GUARDSMAN MAX	1.25	LAA	9	0	88	99	90	96	0
	B»WEATHERMAX 4.5	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
6A	GUARDSMAN MAX	1.25	LAA	9	0	87	99	95	99	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	96	99	96	99	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	96	99	96	98	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	97	99	98	99	0
	B»TOUCHDN TOTAL	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
10A»	RESOLVE 25DF	0.016	LAA	9	0	92	97	98	97	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	90	99	97	96	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	96	99	98	99	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	96	99	99	99	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	0	0	0	0
	B»ACTIVATOR 90	0.25	PMV	12						
	C»LIQUID AMS	2.50	PMV	12						

TITLE: Weed Control Systems in Glyphosate-Resistant Corn. E2/E3

TRT NUM	TREATMENT COMPONENT	DOSAGE		ZEAMD	SETFA	AMATA	AMBEL	PHBPU	ZEAMD
		RATE	UNIT TM	CON % 05/30/06	CON % 05/30/06	CON % 05/30/06	CON % 05/30/06	CON % 05/30/06	CON % 06/19/06
16A»	RDUP ORIG MAX	0.75	LAA 12	0	0	0	0	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	8.77	0.915	8.71	2.92	0.00
		STANDARD DEVIATION		0.00	4.30	0.448	4.26	1.43	0.00

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LOCATION: Brownstown **RESEARCHED BY:**
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	AMATA	AMBEL	PHBPU	ZEAMD	SETFA
		RATE	UNIT		CON % 06/19/06	CON % 06/19/06	CON % 06/19/06	CON % 06/19/06	CON % 07/10/06	CON % 07/10/06
1A	KEYSTONE 5.25	1.97	LAA	9	96	98	99	97	0	97
	B»GLYPHOMAX XRT	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
2A»	GF-1834 4.07EW	0.89	LAA	9	95	95	99	96	0	96
	B»GLYPHOMAX XRT	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
3A	HORNET 68.5WG	0.086	LAA	9	92	97	99	95	0	96
	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	82	63	25	97	0	88
	B»GLYPHOMAX XRT	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
5A	GUARDSMAN MAX	1.25	LAA	9	93	94	99	98	0	92
	B»WEATHERMAX 4.5	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
6A	GUARDSMAN MAX	1.25	LAA	9	92	99	99	98	0	96
	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	95	98	99	97	0	95
	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	95	94	99	96	0	95
	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	95	98	99	96	0	95
	B»TOUCHDN TOTAL	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
10A»	RESOLVE 25DF	0.016	LAA	9	95	97	99	97	0	95
	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	95	97	99	97	0	95
	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	95	94	99	98	0	95
	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	97	99	98	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	92	88	89	94	0	94
	B»ACTIVATOR 90	0.25	PMV	12						
	C»LIQUID AMS	2.50	PMV	12						

TITLE: Weed Control Systems in Glyphosate-Resistant Corn. E2/E3

TRT NUM	TREATMENT COMPONENT	DOSAGE		SETFA	AMATA	AMBEL	PHBPU	ZEAMD	SETFA
		RATE	UNIT TM	CON % 06/19/06	CON % 06/19/06	CON % 06/19/06	CON % 06/19/06	CON % 07/10/06	CON % 07/10/06
16A»	RDUP ORIG MAX	0.75	LAA 12	82	87	90	98	0	90
	B ATRAZINE DF	1.00	LAA 12						
	C»ACTIVATOR 90	0.25	PMV 12						
	D»LIQUID AMS	2.50	PMV 12						
		LSD (0.05)		6.94	7.26	5.56	2.61	0.00	4.65
		STANDARD DEVIATION		3.40	3.55	2.72	1.28	0.00	2.28

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LOCATION: Brownstown **RESEARCHED BY:**
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	AMATA	AMBEL	PHBPU	YIELD
		RATE	UNIT		CON % 07/10/06	CON % 07/10/06	CON % 07/10/06	BU/A 10/12/06
1A	KEYSTONE 5.25	1.97	LAA	9	97	99	98	121.8
	B»GLYPHOMAX XRT	0.75	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
2A»	GF-1834 4.07EW	0.89	LAA	9	96	99	97	108.4
	B»GLYPHOMAX XRT	0.75	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
3A	HORNET 68.5WG	0.086	LAA	9	96	99	98	117.2
	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	89	84	99	95.0
	B»GLYPHOMAX XRT	0.75	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
5A	GUARDSMAN MAX	1.25	LAA	9	93	99	98	114.9
	B»WEATHERMAX 4.5	0.75	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
6A	GUARDSMAN MAX	1.25	LAA	9	99	99	98	113.1
	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	99	97	103.8
	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	99	96	117.4
	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	96	99	98	112.2
	B»TOUCHDN TOTAL	0.75	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
10A»	RESOLVE 25DF	0.016	LAA	9	97	99	98	102.3
	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	99	97	112.5
	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	9.7
13A	HARNESS XTRA	1.75	LAA	9	95	99	98	122.7
	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	97	99	99	102.3
	B»WEATHERMAX 4.5	0.75	LAA	12				
	C»LIQUID AMS	2.50	PMV	12				
15A»	RDUP ORIG MAX	0.75	LAA	12	91	97	98	78.3
	B»ACTIVATOR 90	0.25	PMV	12				
	C»LIQUID AMS	2.50	PMV	12				

TITLE: Weed Control Systems in Glyphosate-Resistant Corn. E2/E3

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	AMATA CON % 07/10/06	AMBEL CON % 07/10/06	PHBPU CON % 07/10/06	YIELD BU/A 10/12/06
16A»RDUP ORIG MAX	0.75	LAA 12	92	99	98	78.6
B ATRAZINE DF	1.00	LAA 12				
C»ACTIVATOR 90	0.25	PMV 12				
D»LIQUID AMS	2.50	PMV 12				
	LSD (0.05)		5.08	3.85	1.88	18.39
	STANDARD DEVIATION		2.49	1.88	0.919	9.00

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
09 = ----- / PREEMERGENCE 04/26/2006(1)
12 = ----- / POST 06/08/2006(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 %	05/30/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/30/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	05/30/2006	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMBEL	CON %	05/30/2006	04	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	05/30/2006	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	06/19/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/19/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMATA	CON %	06/19/2006	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMBEL	CON %	06/19/2006	04	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	06/19/2006	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD	CON %	07/10/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	07/10/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMATA	CON %	07/10/2006	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	AMBEL	CON %	07/10/2006	04	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	PHBPU	CON %	07/10/2006	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	YIELD	BU/A	10/12/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = DKC 63-74