

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.4
 %OM: 4.6
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET
 PLOT AREA: 225 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	11	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	05/06/08	06/09/08	AME
AIR TEMPERATURE	75	81	F
% REL.HUMIDITY	53	63	
WIND DIRECTION	WEST	SOUTHWEST	
WIND SPEED	3.0	4.0	M/H
CLOUD COVER	OVERCAST	PARTCLDY	
DEW	NO	YES	
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	5	5	
NOZZLE SPACING	18.000	18.000	IN
SCREEN SIZE			
SCREEN SZ DESC	NA	NA	
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
SCREEN SIZE	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		---/14	
DK 6018RR		10.0/10.0	IN
05/06/2008			
*** PEST ***			
VELVETLEAF		---/12	
		1.00/2.00	IN
LAMBSQUARTERS, C		---/19	
		1.00/4.00	IN
HORSEWEED / MARE		---/19	
		2.00/4.00	IN
HENBIT		---/19	
		3.00/5.00	IN
MORNINGGLORY, TA		---/14	
		2.00/2.00	IN
FOXTAIL, GIANT		---/12	
		1.00/3.00	IN
CHICKWEED, COMMO		---/19	
		1.00/4.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
 11 = ----- / EPOST

* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 12 = 2 LEAVES UNFOLDED
 14 = 4 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

* STAGE CODE

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

TITLE: Metribuzin options for weed control in glyphosate-resistant no-till corn. N-100
CREATED: 04/12/2008 **REVISED:** 11/11/2008 **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
PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			STEME CON % 05/12/08	LAMAM CON % 05/12/08	ERICA CON % 05/12/08	CHEAL CON % 05/12/08	ABUTH CON % 05/12/08	STEME CON % 05/21/08
		RATE	UNIT	TM						
1A»	GLYFOS EXTRA 3	0.75	LAA	9	63	50	57	50	48	88
B»	METRIBUZIN 75D	0.125	LAA	9						
C»	LIQUID AMS	2.50	PMV	9						
2A»	GLYFOS EXTRA 3	0.75	LAA	9	67	60	62	53	53	92
B»	METRIBUZIN 75D	0.188	LAA	9						
C»	LIQUID AMS	2.50	PMV	9						
3A»	GLYFOS EXTRA 3	0.75	LAA	9	70	63	63	55	58	95
B»	METRIBUZIN 75D	0.25	LAA	9						
C»	LIQUID AMS	2.50	PMV	9						
4A»	GLYFOS EXTRA 3	0.75	LAA	9	50	40	53	37	40	77
B»	METRIBUZIN 75D	0.094	LAA	9						
C»	LIQUID AMS	2.50	PMV	9						
D»	GLYFOS EXTRA 3	0.75	LAA	11						
E»	METRIBUZIN 75D	0.094	LAA	11						
F»	LIQUID AMS	2.50	PMV	11						
5A»	GLYFOS EXTRA 3	0.75	LAA	9	72	60	70	62	67	99
B	ATRAZINE DF	1.00	LAA	9						
C»	LIQUID AMS	2.50	PMV	9						
6A»	HALEX GT 4.38L	1.97	LAA	9	73	65	70	60	72	99
B	ATRAZINE DF	1.00	LAA	9						
C»	ACTIVATOR 90	0.25	PMV	9						
D»	LIQUID AMS	2.50	PMV	9						
7A»	RNDUP POWERMAX	0.75	LAA	9	77	72	73	68	73	99
B	HARNESS XTRA	3.50	LAA	9						
C	BALANCE PRO 4	0.047	LAA	9						
D»	LIQUID AMS	2.50	PMV	9						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A»	RESOLVE 25DF	0.023	LAA	9	72	67	67	58	65	97
B»	ISOXAFLOTOLE 7	0.047	LAA	9						
C	ATRAZINE DF	1.00	LAA	9						
D»	RNDUP POWERMAX	0.75	LAA	11						
E»	LIQUID AMS	2.50	PMV	11						
LSD (0.05)					8.87	9.71	7.43	8.75	9.10	6.78
STANDARD DEVIATION					4.19	4.58	3.50	4.13	4.29	3.20

TITLE: Metribuzin options for weed control in glyphosate-resistant no-till corn. N-100
CREATED: 04/12/2008 **REVISED:** 11/11/2008 **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
PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			LAMAM	ERICA	CHEAL	ABUTH	ZEAMD	STEME
		RATE	UNIT	TM	CON % 05/21/08	CON % 05/21/08	CON % 05/21/08	CON % 05/21/08	CON % 06/08/08	CON % 06/08/08
1A»	GLYFOS EXTRA 3	0.75	LAA	9	63	53	43	27	0	37
B»	METRIBUZIN 75D	0.125	LAA	9						
C»	LIQUID AMS	2.50	PMV	9						
2A»	GLYFOS EXTRA 3	0.75	LAA	9	75	67	53	37	0	67
B»	METRIBUZIN 75D	0.188	LAA	9						
C»	LIQUID AMS	2.50	PMV	9						
3A»	GLYFOS EXTRA 3	0.75	LAA	9	85	72	60	43	0	87
B»	METRIBUZIN 75D	0.25	LAA	9						
C»	LIQUID AMS	2.50	PMV	9						
4A»	GLYFOS EXTRA 3	0.75	LAA	9	40	43	30	23	0	23
B»	METRIBUZIN 75D	0.094	LAA	9						
C»	LIQUID AMS	2.50	PMV	9						
D»	GLYFOS EXTRA 3	0.75	LAA	11						
E»	METRIBUZIN 75D	0.094	LAA	11						
F»	LIQUID AMS	2.50	PMV	11						
5A»	GLYFOS EXTRA 3	0.75	LAA	9	77	55	87	55	0	90
B	ATRAZINE DF	1.00	LAA	9						
C»	LIQUID AMS	2.50	PMV	9						
6A»	HALEX GT 4.38L	1.97	LAA	9	99	98	99	99	0	99
B	ATRAZINE DF	1.00	LAA	9						
C»	ACTIVATOR 90	0.25	PMV	9						
D»	LIQUID AMS	2.50	PMV	9						
7A»	RNDUP POWERMAX	0.75	LAA	9	97	91	99	93	0	98
B	HARNESS XTRA	3.50	LAA	9						
C	BALANCE PRO 4	0.047	LAA	9						
D»	LIQUID AMS	2.50	PMV	9						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A»	RESOLVE 25DF	0.023	LAA	9	84	65	78	93	0	95
B»	ISOXAFLOTOLE 7	0.047	LAA	9						
C	ATRAZINE DF	1.00	LAA	9						
D»	RNDUP POWERMAX	0.75	LAA	11						
E»	LIQUID AMS	2.50	PMV	11						
		LSD (0.05)			9.90	9.44	5.91	7.70	0.00	9.76
		STANDARD DEVIATION			4.67	4.45	2.79	3.63	0.00	4.60

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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
PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			LAMAM	ERICA	CHEAL	ABUTH	SETFA	PHBPU	
		RATE	UNIT	TM	CON % 06/08/08	CON % 06/08/08	CON % 06/08/08	CON % 06/08/08	CON % 06/08/08	CON % 06/08/08	
1A»	GLYFOS EXTRA 3	0.75	LAA	9	27	40	33	0	0	0	
B»	METRIBUZIN 75D	0.125	LAA	9							
C»	LIQUID AMS	2.50	PMV	9							
2A»	GLYFOS EXTRA 3	0.75	LAA	9	53	45	42	0	0	0	
B»	METRIBUZIN 75D	0.188	LAA	9							
C»	LIQUID AMS	2.50	PMV	9							
3A»	GLYFOS EXTRA 3	0.75	LAA	9	78	67	53	37	0	0	
B»	METRIBUZIN 75D	0.25	LAA	9							
C»	LIQUID AMS	2.50	PMV	9							
4A»	GLYFOS EXTRA 3	0.75	LAA	9	20	27	27	0	0	0	
B»	METRIBUZIN 75D	0.094	LAA	9							
C»	LIQUID AMS	2.50	PMV	9							
D»	GLYFOS EXTRA 3	0.75	LAA	11							
E»	METRIBUZIN 75D	0.094	LAA	11							
F»	LIQUID AMS	2.50	PMV	11							
5A»	GLYFOS EXTRA 3	0.75	LAA	9	86	82	88	58	65	57	
B	ATRAZINE DF	1.00	LAA	9							
C»	LIQUID AMS	2.50	PMV	9							
6A»	HALEX GT 4.38L	1.97	LAA	9	99	92	96	96	91	80	
B	ATRAZINE DF	1.00	LAA	9							
C»	ACTIVATOR 90	0.25	PMV	9							
D»	LIQUID AMS	2.50	PMV	9							
7A»	RNDUP POWERMAX	0.75	LAA	9	98	95	99	91	96	78	
B	HARNESS XTRA	3.50	LAA	9							
C	BALANCE PRO 4	0.047	LAA	9							
D»	LIQUID AMS	2.50	PMV	9							
8A	CHECK	0.00	NA	0	0	0	0	0	0	0	
9A»	RESOLVE 25DF	0.023	LAA	9	90	70	77	60	67	60	
B»	ISOXAFLOTOLE 7	0.047	LAA	9							
C	ATRAZINE DF	1.00	LAA	9							
D»	RNDUP POWERMAX	0.75	LAA	11							
E»	LIQUID AMS	2.50	PMV	11							
					LSD (0.05)	10.53	13.91	10.75	7.86	5.63	5.59
					STANDARD DEVIATION	5.00	6.56	5.07	3.71	2.65	2.64

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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
PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	STEME	LAMAM	ERICA	CHEAL	ABUTH
		RATE	UNIT	TM	CON % 06/23/08	CON % 06/23/08	CON % 06/23/08	CON % 06/23/08	CON % 06/23/08	CON % 06/23/08
1A»	GLYFOS EXTRA 3	0.75	LAA	9	0	27	20	27	22	0
B»	METRIBUZIN 75D	0.125	LAA	9						
C»	LIQUID AMS	2.50	PMV	9						
2A»	GLYFOS EXTRA 3	0.75	LAA	9	0	58	47	37	33	0
B»	METRIBUZIN 75D	0.188	LAA	9						
C»	LIQUID AMS	2.50	PMV	9						
3A»	GLYFOS EXTRA 3	0.75	LAA	9	0	78	68	58	47	27
B»	METRIBUZIN 75D	0.25	LAA	9						
C»	LIQUID AMS	2.50	PMV	9						
4A»	GLYFOS EXTRA 3	0.75	LAA	9	0	99	99	98	97	89
B»	METRIBUZIN 75D	0.094	LAA	9						
C»	LIQUID AMS	2.50	PMV	9						
D»	GLYFOS EXTRA 3	0.75	LAA	11						
E»	METRIBUZIN 75D	0.094	LAA	11						
F»	LIQUID AMS	2.50	PMV	11						
5A»	GLYFOS EXTRA 3	0.75	LAA	9	0	90	83	81	83	50
B	ATRAZINE DF	1.00	LAA	9						
C»	LIQUID AMS	2.50	PMV	9						
6A»	HALEX GT 4.38L	1.97	LAA	9	0	99	99	93	98	91
B	ATRAZINE DF	1.00	LAA	9						
C»	ACTIVATOR 90	0.25	PMV	9						
D»	LIQUID AMS	2.50	PMV	9						
7A»	RNDUP POWERMAX	0.75	LAA	9	0	97	98	93	99	87
B	HARNESS XTRA	3.50	LAA	9						
C	BALANCE PRO 4	0.047	LAA	9						
D»	LIQUID AMS	2.50	PMV	9						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A»	RESOLVE 25DF	0.023	LAA	9	0	99	99	94	97	92
B»	ISOXAFLOTOLE 7	0.047	LAA	9						
C	ATRAZINE DF	1.00	LAA	9						
D»	RNDUP POWERMAX	0.75	LAA	11						
E»	LIQUID AMS	2.50	PMV	11						
LSD (0.05)					0.00	9.92	11.00	14.45	11.45	7.59
STANDARD DEVIATION					0.00	4.68	5.18	6.81	5.40	3.58

TITLE: Metribuzin options for weed control in glyphosate-resistant no-till corn. N-100
CREATED: 04/12/2008 **REVISED:** 11/11/2008 **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
PLOT AREA: 225.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE	SETFA	PHBPU
NUM	COMPONENT	RATE	CON %	CON %
		UNIT	06/23/08	06/23/08
1A»	GLYFOS EXTRA 3	0.75	LAA 9	0
B»	METRIBUZIN 75D	0.125	LAA 9	
C»	LIQUID AMS	2.50	PMV 9	
2A»	GLYFOS EXTRA 3	0.75	LAA 9	0
B»	METRIBUZIN 75D	0.188	LAA 9	
C»	LIQUID AMS	2.50	PMV 9	
3A»	GLYFOS EXTRA 3	0.75	LAA 9	0
B»	METRIBUZIN 75D	0.25	LAA 9	
C»	LIQUID AMS	2.50	PMV 9	
4A»	GLYFOS EXTRA 3	0.75	LAA 9	94
B»	METRIBUZIN 75D	0.094	LAA 9	
C»	LIQUID AMS	2.50	PMV 9	
D»	GLYFOS EXTRA 3	0.75	LAA 11	
E»	METRIBUZIN 75D	0.094	LAA 11	
F»	LIQUID AMS	2.50	PMV 11	
5A»	GLYFOS EXTRA 3	0.75	LAA 9	55
B	ATRAZINE DF	1.00	LAA 9	
C»	LIQUID AMS	2.50	PMV 9	
6A»	HALEX GT 4.38L	1.97	LAA 9	88
B	ATRAZINE DF	1.00	LAA 9	
C»	ACTIVATOR 90	0.25	PMV 9	
D»	LIQUID AMS	2.50	PMV 9	
7A»	RNDUP POWERMAX	0.75	LAA 9	93
B	HARNES XTRA	3.50	LAA 9	
C	BALANCE PRO 4	0.047	LAA 9	
D»	LIQUID AMS	2.50	PMV 9	
8A	CHECK	0.00	NA 0	0
9A»	RESOLVE 25DF	0.023	LAA 9	96
B»	ISOXAFLOTOLE 7	0.047	LAA 9	
C	ATRAZINE DF	1.00	LAA 9	
D»	RNDUP POWERMAX	0.75	LAA 11	
E»	LIQUID AMS	2.50	PMV 11	
LSD (0.05)			3.57	4.76
STANDARD DEVIATION			1.69	2.25

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/06/2008(1)
 11 = ----- / EPOST 06/09/2008(2)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	STEME	CON %	05/12/2008	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	LAMAM	CON %	05/12/2008	03	P	LAMAM		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ERICA	CON %	05/12/2008	04	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	05/12/2008	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	05/12/2008	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	STEME	CON %	05/21/2008	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	LAMAM	CON %	05/21/2008	03	P	LAMAM		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ERICA	CON %	05/21/2008	04	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	05/21/2008	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ABUTH	CON %	05/21/2008	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD	CON %	06/08/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Metribuzin options for weed control in glyphosate-resistant no-till corn. N-100

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
012	STEME	CON %	06/08/2008	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	LAMAM	CON %	06/08/2008	03	P	LAMAM		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ERICA	CON %	06/08/2008	04	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	06/08/2008	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	ABUTH	CON %	06/08/2008	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	SETFA	CON %	06/08/2008	07	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	06/08/2008	08	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ZEAMD	CON %	06/23/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	STEME	CON %	06/23/2008	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	LAMAM	CON %	06/23/2008	03	P	LAMAM		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	ERICA	CON %	06/23/2008	04	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	CHEAL	CON %	06/23/2008	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	ABUTH	CON %	06/23/2008	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
025	SETFA	CON %	06/23/2008	07	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
026	PHBPU	CON %	06/23/2008	08	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = DK 6018RR