

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.6
%OM: 4.7
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: 0
PLOT WIDTH: 7.5 X 30 FEET
PLOT AREA: 225 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMIX	
APPLICATION DATE	06/17/09	AME
AIR TEMPERATURE	78	F
% REL.HUMIDITY	64	
WIND DIRECTION	WEST	
WIND SPEED	5.0	M/H
CLOUD COVER	PARTCLDY	
DEW	NO	
SOIL MOISTURE	MOIST/MOI	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	SPRBAC	
PROPELLANT	COMCO2	
PLACEMENT	BRFOSO	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SCREEN SIZE		
SCREEN SZ DESC	NA	
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
SPRAY VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	---/16	
GH 9145RR/LL	18.0/20.0	IN
05/21/2009		
*** PEST ***		
VELVETLEAF	---/16	
	4.00/8.00	IN
WATERHEMP, TALL	---/19	
	2.00/6.00	IN
LAMBSQUARTERS, C	---/19	
	2.00/6.00	IN
MORNINGGLORY, TA	---/18	
	2.00/4.00	IN
SMARTWEED, PENNS	---/19	
	4.00/8.00	IN
FOXTAIL, GIANT	---/15	
	2.00/8.00	IN
COCKLEBUR, COMMO	---/16	
	6.00/12.0	IN

* TIMING CODES

12 = ----- / POST

* STAGE CODE

15 = 5 LEAVES UNFOLDED
16 = 6 LEAVES UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Postemergence combinations for weed control in glyphosate-resistant corn. AS-200
CREATED: 04/13/2009 **REVISED:** 08/31/2009 **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			ZEAMD	SETFA	AMATU	CHEAL	POLPY	ABUTH
		RATE	UNIT	TM	CON % 06/25/09	CON % 06/25/09	CON % 06/25/09	CON % 06/25/09	CON % 06/25/09	CON % 06/25/09
1A	»HELOPYR 1.5SL	0.094	LAA	12	10	0	93	30	92	94
2A	»HELOPYR 1.5SL	0.129	LAA	12	11	0	98	43	97	96
3A	»STARANE ULTRA	0.129	LAA	12	10	0	99	52	98	96
4A	»HELM BW 4.5AE	0.70	LAA	12	0	99	99	97	96	95
5A	»HELOSATE PLUS	0.75	LAA	12	0	99	99	98	98	97
6A	»HELM 70 A 4.5	0.70	LAA	12	0	99	99	96	96	97
7A	»HELM 70 HA 4.5	0.70	LAA	12	0	99	99	94	98	99
8A	»RNDUP POWERMAX	0.77	LAA	12	0	99	99	95	98	99
9A	»HELOSATE PLUS	0.75	LAA	12	15	99	99	99	99	99
	B»HELOPYR 1.5SL	0.094	LAA	12						
10A	»HELOSATE PLUS	0.75	LAA	12	17	99	99	99	99	99
	B»HELOPYR 1.5SL	0.129	LAA	12						
11A	WIDEMATCH 1.5E	0.188	LAA	12	17	0	95	55	97	94
12A	ATRAZINE DF	1.00	LAA	12	0	55	87	91	85	86
	B»COC	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
13A	»LAUDIS 3.5SC	0.083	LAA	12	0	94	99	99	99	99
	B ATRAZINE DF	0.50	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
14A	CHECK	0.00	NA	0	0	0	0	0	0	0
15A	STEADFAST 75WG	0.035	LAA	12	12	99	87	95	96	99
	B»COC	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
16A	CALLISTO 4SC	0.094	LAA	12	0	86	99	99	99	99
	B ATRAZINE DF	1.00	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
		LSD (0.05)			4.89	4.35	4.71	8.06	4.71	5.00
		STANDARD DEVIATION			2.39	2.13	2.31	3.95	2.31	2.45

TITLE: Postemergence combinations for weed control in glyphosate-resistant corn. AS-200
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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			XANST	PHBPU	ZEAMD	SETFA	AMATU	CHEAL
		RATE	UNIT	TM	CON % 06/25/09	CON % 06/25/09	CON % 07/14/09	CON % 07/14/09	CON % 07/14/09	CON % 07/14/09
1A	HELOPYR 1.5SL	0.094	LAA	12	96	94	0	0	86	47
2A	HELOPYR 1.5SL	0.129	LAA	12	98	97	0	0	94	75
3A	STARANE ULTRA	0.129	LAA	12	99	96	0	0	95	68
4A	HELM BW 4.5AE	0.70	LAA	12	97	83	0	99	99	98
5A	HELOSATE PLUS	0.75	LAA	12	98	79	0	99	99	99
6A	HELM 70 A 4.5	0.70	LAA	12	98	79	0	99	95	94
7A	HELM 70 HA 4.5	0.70	LAA	12	99	88	0	99	99	98
8A	RNDUP POWERMAX	0.77	LAA	12	99	84	0	99	99	97
9A	HELOSATE PLUS	0.75	LAA	12	99	97	0	99	99	97
	B>HELOPYR 1.5SL	0.094	LAA	12						
10A	HELOSATE PLUS	0.75	LAA	12	99	98	0	99	99	99
	B>HELOPYR 1.5SL	0.129	LAA	12						
11A	WIDEMATCH 1.5E	0.188	LAA	12	96	97	8	0	83	65
12A	ATRAZINE DF	1.00	LAA	12	70	84	0	68	93	98
	B>COC	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
13A	LAUDIS 3.5SC	0.083	LAA	12	97	91	0	97	99	99
	B ATRAZINE DF	0.50	LAA	12						
	C>COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
14A	CHECK	0.00	NA	0	0	0	0	0	0	0
15A	STEADFAST 75WG	0.035	LAA	12	99	91	0	99	86	87
	B>COC	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
16A	CALLISTO 4SC	0.094	LAA	12	99	97	0	93	99	99
	B ATRAZINE DF	1.00	LAA	12						
	C>COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
		LSD (0.05)			2.73	5.21	1.20	3.46	7.00	7.92
		STANDARD DEVIATION			1.34	2.55	0.589	1.69	3.42	3.88

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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			POLPY	ABUTH	XANST	PHBPU	ZEAMD	SETFA
		RATE	UNIT	TM	CON % 07/14/09	CON % 07/14/09	CON % 07/14/09	CON % 07/14/09	CON % 07/28/09	CON % 07/28/09
1A»	HELOPYR 1.5SL	0.094	LAA	12	91	93	92	91	0	0
2A»	HELOPYR 1.5SL	0.129	LAA	12	99	99	98	96	0	0
3A»	STARANE ULTRA	0.129	LAA	12	98	96	98	96	0	0
4A»	HELM BW 4.5AE	0.70	LAA	12	98	99	93	75	0	99
5A»	HELOSATE PLUS	0.75	LAA	12	99	99	94	79	0	99
6A»	HELM 70 A 4.5	0.70	LAA	12	99	99	91	80	0	99
7A»	HELM 70 HA 4.5	0.70	LAA	12	99	98	91	74	0	99
8A»	RNDUP POWERMAX	0.77	LAA	12	99	98	91	78	0	99
9A»	HELOSATE PLUS	0.75	LAA	12	99	98	96	96	0	99
	B»HELOPYR 1.5SL	0.094	LAA	12						
10A»	HELOSATE PLUS	0.75	LAA	12	99	99	98	98	0	99
	B»HELOPYR 1.5SL	0.129	LAA	12						
11A	WIDEMATCH 1.5E	0.188	LAA	12	99	98	93	94	0	0
12A	ATRAZINE DF	1.00	LAA	12	95	85	78	73	0	63
	B»COC	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
13A»	LAUDIS 3.5SC	0.083	LAA	12	99	99	97	97	0	95
	B ATRAZINE DF	0.50	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
14A	CHECK	0.00	NA	0	0	0	0	0	0	0
15A	STEADFAST 75WG	0.035	LAA	12	99	99	92	86	0	99
	B»COC	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
16A	CALLISTO 4SC	0.094	LAA	12	99	99	98	98	0	92
	B ATRAZINE DF	1.00	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
		LSD (0.05)			2.95	3.30	5.00	6.83	0.00	5.14
		STANDARD DEVIATION			1.44	1.62	2.46	3.34	0.00	2.52

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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			AMATU	CHEAL	POLPY	ABUTH	XANST	PHBPU
		RATE	UNIT	TM	CON % 07/28/09	CON % 07/28/09	CON % 07/28/09	CON % 07/28/09	CON % 07/28/09	CON % 07/28/09
1A	HELOPYR 1.5SL	0.094	LAA	12	85	37	87	93	89	88
2A	HELOPYR 1.5SL	0.129	LAA	12	92	77	99	99	98	94
3A	STARANE ULTRA	0.129	LAA	12	86	67	99	92	95	91
4A	HELM BW 4.5AE	0.70	LAA	12	98	98	98	98	93	68
5A	HELOSATE PLUS	0.75	LAA	12	99	99	99	99	92	73
6A	HELM 70 A 4.5	0.70	LAA	12	94	94	99	98	90	78
7A	HELM 70 HA 4.5	0.70	LAA	12	99	98	99	96	92	78
8A	RNDUP POWERMAX	0.77	LAA	12	99	98	99	97	95	82
9A	HELOSATE PLUS	0.75	LAA	12	99	98	99	98	96	94
	B>HELOPYR 1.5SL	0.094	LAA	12						
10A	HELOSATE PLUS	0.75	LAA	12	99	99	99	99	98	97
	B>HELOPYR 1.5SL	0.129	LAA	12						
11A	WIDEMATCH 1.5E	0.188	LAA	12	80	67	99	99	91	92
12A	ATRAZINE DF	1.00	LAA	12	93	98	96	83	73	71
	B>COC	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
13A	LAUDIS 3.5SC	0.083	LAA	12	99	99	99	99	95	94
	B ATRAZINE DF	0.50	LAA	12						
	C>COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
14A	CHECK	0.00	NA	0	0	0	0	0	0	0
15A	STEADFAST 75WG	0.035	LAA	12	85	84	99	99	92	83
	B>COC	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
16A	CALLISTO 4SC	0.094	LAA	12	99	99	99	99	96	96
	B ATRAZINE DF	1.00	LAA	12						
	C>COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
LSD (0.05)					6.66	5.27	3.19	4.30	7.18	11.69
STANDARD DEVIATION					3.26	2.58	1.56	2.11	3.52	5.72

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 12 = ----- / POST 06/17/2009(1)

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 %	06/25/2009	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/25/2009	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATU	CON %	06/25/2009	03	P	AMATU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/25/2009	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	POLPY	CON %	06/25/2009	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ABUTH	CON %	06/25/2009	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	XANST	CON %	06/25/2009	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	PHBPU	CON %	06/25/2009	08	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ZEAMD	CON %	07/14/2009	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Postemergence combinations for weed control in glyphosate-resistant corn. AS-200

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
010	SETFA	CON %	07/14/2009	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATU	CON %	07/14/2009	03	P	AMATU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	CHEAL	CON %	07/14/2009	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	POLPY	CON %	07/14/2009	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	CON %	07/14/2009	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	XANST	CON %	07/14/2009	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	PHBPU	CON %	07/14/2009	08	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ZEAMD	CON %	07/28/2009	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	SETFA	CON %	07/28/2009	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	AMATU	CON %	07/28/2009	03	P	AMATU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	CHEAL	CON %	07/28/2009	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	POLPY	CON %	07/28/2009	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	ABUTH	CON %	07/28/2009	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	XANST	CON %	07/28/2009	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	PHBPU	CON %	07/28/2009	08	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = GH 9145RR/LL