

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	06/12/09	AME
AIR TEMPERATURE	68	F
% REL.HUMIDITY	72	
WIND DIRECTION	NORTHEAST	
WIND SPEED	4.0	M/H
CLOUD COVER	CLOUDY	
DEW	YES	
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	---/14	
GH 9145RR/LL	3.00/5.00	IN
05/21/2009		
*** PEST ***		
VELVETLEAF	---/13	
	2.00/4.00	IN
WATERHEMP, COMMO	---/19	
	2.00/5.00	IN
LAMBSQUARTERS, C	---/17	
	1.00/1.00	IN
MORNINGGLORY, TA	---/13	
	1.00/2.00	IN
FOXTAIL, GIANT	---/13	
	3.00/5.00	IN
COCKLEBUR, COMMO	---/13	
	3.00/5.00	IN

* TIMING CODES

12 = ----- / POST

* STAGE CODE

13 = 3 LEAVES UNFOLDED
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 14 = 4 LEAVES UNFOLDED
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Rimsulfuron/Nicosulfuron Combinations for Weed Control in RR/LL Corn. AS-200
CREATED: 04/15/2009 **REVISED:** 08/27/2009 **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 CON % 06/17/09	ZEAMD CON % 06/22/09	SETFA CON % 06/22/09	CHEAL CON % 06/22/09	AMATA CON % 06/22/09	ABUTH CON % 06/22/09
		RATE	UNIT	TM						
1A»	MANA NICORIM 7	0.0176	LAA	12	9	4	95	68	72	80
	B»COC	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
2A	STEADFAST 75WG	0.0176	LAA	12	7	4	95	72	75	86
	B»COC	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
3A»	MANA NICORIM 7	0.035	LAA	12	14	8	99	93	86	99
	B»COC	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
4A	STEADFAST 75WG	0.035	LAA	12	15	8	99	95	88	99
	B»COC	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
5A»	MANA NICORIM 7	0.07	LAA	12	24	35	99	99	91	99
	B»COC	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
6A	STEADFAST 75WG	0.07	LAA	12	22	29	99	99	91	99
	B»COC	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
7A»	MANA NICO 75DF	0.01172	LAA	12	14	8	99	99	87	99
	B»MANA RIMS 25DF	0.00586	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
8A	ACCENT 75WG	0.01172	LAA	12	13	7	98	99	77	99
	B RESOLVE 25DF	0.00586	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
9A»	MANA NICO 75DF	0.02344	LAA	12	12	7	99	99	85	99
	B»MANA RIMS 25DF	0.01172	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
10A	ACCENT 75WG	0.02344	LAA	12	13	7	99	99	89	99
	B RESOLVE 25DF	0.01172	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
11A»	MANA NICO 75DF	0.04688	LAA	12	39	31	99	99	98	99
	B»MANA RIMS 25DF	0.02344	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
12A	ACCENT 75WG	0.04688	LAA	12	33	28	99	99	97	99
	B RESOLVE 25DF	0.02344	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
13A»	MANA NICO 75DF	0.035	LAA	12	9	2	85	99	88	99
	B ATRAZINE DF	1.35	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
14A	STEADFAST 75WG	0.035	LAA	12	9	3	86	99	97	99
	B ATRAZINE DF	1.35	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
15A»	MANA NICO 75DF	0.035	LAA	12	9	2	92	99	97	99
	B CALLISTO 4SC	0.094	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						

TITLE: Rimsulfuron/Nicosulfuron Combinations for Weed Control in RR/LL Corn. AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		ZEAMD	ZEAMD	SETFA	CHEAL	AMATA	ABUTH
		RATE	UNIT TM	CON % 06/17/09	CON % 06/22/09	CON % 06/22/09	CON % 06/22/09	CON % 06/22/09	CON % 06/22/09
16A	STEADFAST 75WG	0.035	LAA 12	12	6	96	99	99	99
	B CALLISTO 4SC	0.094	LAA 12						
	C»COC	1.00	PMV 12						
	D 28% UAN	2.50	PMV 12						
17A»	MANA NICO 75DF	0.035	LAA 12	13	6	84	99	88	96
	B MARKSMAN SC	0.40	LAA 12						
	C»COC	1.00	PMV 12						
	D 28% UAN	2.50	PMV 12						
18A	CHECK	0.00	NA 0	0	0	0	0	0	0
19A	STEADFAST 75WG	0.035	LAA 12	9	4	84	99	91	99
	B MARKSMAN SC	0.40	LAA 12						
	C»COC	1.00	PMV 12						
	D 28% UAN	2.50	PMV 12						
20A»	IMPACT 2.8SC	0.016	LAA 12	0	0	99	99	99	99
	B ATRAZINE DF	0.50	LAA 12						
	C»MSO	1.00	PMV 12						
	D 28% UAN	2.50	PMV 12						
		LSD (0.05)		5.87	3.68	4.14	4.30	8.94	1.54
		STANDARD DEVIATION		2.91	1.82	2.00	2.13	4.42	0.764

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CREATED: 04/15/2009 **REVISED:** 08/27/2009 **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			XANST	PHBPU	ZEAMD	SETFA	CHEAL	AMATA
		RATE	UNIT	TM	CON % 06/22/09	CON % 06/22/09	CON % 07/11/09	CON % 07/11/09	CON % 07/11/09	CON % 07/11/09
1A»	MANA NICORIM 7	0.0176	LAA	12	88	67	0	88	63	53
	B»COC	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
2A	STEADFAST 75WG	0.0176	LAA	12	90	70	0	88	63	53
	B»COC	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
3A»	MANA NICORIM 7	0.035	LAA	12	99	84	0	97	83	62
	B»COC	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
4A	STEADFAST 75WG	0.035	LAA	12	99	85	0	96	89	60
	B»COC	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
5A»	MANA NICORIM 7	0.07	LAA	12	99	88	2	99	99	73
	B»COC	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
6A	STEADFAST 75WG	0.07	LAA	12	99	90	2	98	99	70
	B»COC	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
7A»	MANA NICO 75DF	0.01172	LAA	12	99	88	0	96	99	68
	B»MANA RIMS 25DF	0.00586	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
8A	ACCENT 75WG	0.01172	LAA	12	99	84	0	95	98	62
	B RESOLVE 25DF	0.00586	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
9A»	MANA NICO 75DF	0.02344	LAA	12	99	85	0	98	99	70
	B»MANA RIMS 25DF	0.01172	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
10A	ACCENT 75WG	0.02344	LAA	12	99	86	0	98	99	72
	B RESOLVE 25DF	0.01172	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
11A»	MANA NICO 75DF	0.04688	LAA	12	99	91	9	99	99	79
	B»MANA RIMS 25DF	0.02344	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
12A	ACCENT 75WG	0.04688	LAA	12	99	90	7	85	99	82
	B RESOLVE 25DF	0.02344	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
13A»	MANA NICO 75DF	0.035	LAA	12	99	92	0	84	99	88
	B ATRAZINE DF	1.35	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
14A	STEADFAST 75WG	0.035	LAA	12	99	97	0	85	99	93
	B ATRAZINE DF	1.35	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
15A»	MANA NICO 75DF	0.035	LAA	12	99	85	0	87	99	95
	B CALLISTO 4SC	0.094	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						

TITLE: Rimsulfuron/Nicosulfuron Combinations for Weed Control in RR/LL Corn. AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		XANST	PHBPU	ZEAMD	SETFA	CHEAL	AMATA
		RATE	UNIT TM	CON % 06/22/09	CON % 06/22/09	CON % 07/11/09	CON % 07/11/09	CON % 07/11/09	CON % 07/11/09
16A	STEADFAST 75WG	0.035	LAA 12	99	94	0	93	99	98
	B CALLISTO 4SC	0.094	LAA 12						
	C»COC	1.00	PMV 12						
	D 28% UAN	2.50	PMV 12						
17A»	MANA NICO 75DF	0.035	LAA 12	99	89	10	89	94	93
	B MARKSMAN SC	0.40	LAA 12						
	C»COC	1.00	PMV 12						
	D 28% UAN	2.50	PMV 12						
18A	CHECK	0.00	NA 0	0	0	0	0	0	0
19A	STEADFAST 75WG	0.035	LAA 12	99	84	0	80	99	88
	B MARKSMAN SC	0.40	LAA 12						
	C»COC	1.00	PMV 12						
	D 28% UAN	2.50	PMV 12						
20A»	IMPACT 2.8SC	0.016	LAA 12	99	98	0	97	99	99
	B ATRAZINE DF	0.50	LAA 12						
	C»MSO	1.00	PMV 12						
	D 28% UAN	2.50	PMV 12						
		LSD (0.05)		2.00	7.00	3.00	9.79	4.44	9.47
		STANDARD DEVIATION		1.00	3.48	1.47	4.84	2.20	4.69

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CREATED: 04/15/2009 **REVISED:** 08/27/2009 **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			ABUTH CON % 07/11/09	XANST CON % 07/11/09	PHBPU CON % 07/11/09
		RATE	UNIT	TM			
1A»	MANA NICORIM 7	0.0176	LAA	12	67	72	58
B»	COC	1.00	PMV	12			
C	28% UAN	2.50	PMV	12			
2A	STEADFAST 75WG	0.0176	LAA	12	70	72	62
B»	COC	1.00	PMV	12			
C	28% UAN	2.50	PMV	12			
3A»	MANA NICORIM 7	0.035	LAA	12	89	90	73
B»	COC	1.00	PMV	12			
C	28% UAN	2.50	PMV	12			
4A	STEADFAST 75WG	0.035	LAA	12	89	89	75
B»	COC	1.00	PMV	12			
C	28% UAN	2.50	PMV	12			
5A»	MANA NICORIM 7	0.07	LAA	12	98	95	86
B»	COC	1.00	PMV	12			
C	28% UAN	2.50	PMV	12			
6A	STEADFAST 75WG	0.07	LAA	12	98	96	87
B»	COC	1.00	PMV	12			
C	28% UAN	2.50	PMV	12			
7A»	MANA NICO 75DF	0.01172	LAA	12	88	91	80
B»	MANA RIMS 25DF	0.00586	LAA	12			
C»	COC	1.00	PMV	12			
D	28% UAN	2.50	PMV	12			
8A	ACCENT 75WG	0.01172	LAA	12	93	89	79
B	RESOLVE 25DF	0.00586	LAA	12			
C»	COC	1.00	PMV	12			
D	28% UAN	2.50	PMV	12			
9A»	MANA NICO 75DF	0.02344	LAA	12	94	94	79
B»	MANA RIMS 25DF	0.01172	LAA	12			
C»	COC	1.00	PMV	12			
D	28% UAN	2.50	PMV	12			
10A	ACCENT 75WG	0.02344	LAA	12	94	95	78
B	RESOLVE 25DF	0.01172	LAA	12			
C»	COC	1.00	PMV	12			
D	28% UAN	2.50	PMV	12			
11A»	MANA NICO 75DF	0.04688	LAA	12	99	97	85
B»	MANA RIMS 25DF	0.02344	LAA	12			
C»	COC	1.00	PMV	12			
D	28% UAN	2.50	PMV	12			
12A	ACCENT 75WG	0.04688	LAA	12	99	98	85
B	RESOLVE 25DF	0.02344	LAA	12			
C»	COC	1.00	PMV	12			
D	28% UAN	2.50	PMV	12			
13A»	MANA NICO 75DF	0.035	LAA	12	99	99	90
B	ATRAZINE DF	1.35	LAA	12			
C»	COC	1.00	PMV	12			
D	28% UAN	2.50	PMV	12			
14A	STEADFAST 75WG	0.035	LAA	12	99	97	94
B	ATRAZINE DF	1.35	LAA	12			
C»	COC	1.00	PMV	12			
D	28% UAN	2.50	PMV	12			
15A»	MANA NICO 75DF	0.035	LAA	12	99	98	82
B	CALLISTO 4SC	0.094	LAA	12			
C»	COC	1.00	PMV	12			
D	28% UAN	2.50	PMV	12			

TITLE: Rimsulfuron/Nicosulfuron Combinations for Weed Control in RR/LL Corn. AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ABUTH CON % 07/11/09	XANST CON % 07/11/09	PHBPU CON % 07/11/09
		RATE	UNIT				
16A	STEADFAST 75WG	0.035	LAA	12	99	98	94
	B CALLISTO 4SC	0.094	LAA	12			
	C»COC	1.00	PMV	12			
	D 28% UAN	2.50	PMV	12			
17A»	MANA NICO 75DF	0.035	LAA	12	99	99	88
	B MARKSMAN SC	0.40	LAA	12			
	C»COC	1.00	PMV	12			
	D 28% UAN	2.50	PMV	12			
18A	CHECK	0.00	NA	0	0	0	0
19A	STEADFAST 75WG	0.035	LAA	12	98	97	79
	B MARKSMAN SC	0.40	LAA	12			
	C»COC	1.00	PMV	12			
	D 28% UAN	2.50	PMV	12			
20A»	IMPACT 2.8SC	0.016	LAA	12	99	98	95
	B ATRAZINE DF	0.50	LAA	12			
	C»MSO	1.00	PMV	12			
	D 28% UAN	2.50	PMV	12			
LSD (0.05)					5.91	6.54	8.94
STANDARD DEVIATION					2.92	3.24	4.42

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

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

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 %	06/17/2009	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ZEAMD	CON %	06/22/2009	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	SETFA	CON %	06/22/2009	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/22/2009	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMATA	CON %	06/22/2009	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ABUTH	CON %	06/22/2009	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	XANST	CON %	06/22/2009	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	PHBPU	CON %	06/22/2009	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ZEAMD	CON %	07/11/2009	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	SETFA	CON %	07/11/2009	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	CHEAL	CON %	07/11/2009	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	AMATA	CON %	07/11/2009	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ABUTH	CON %	07/11/2009	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST	CON %	07/11/2009	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	PHBPU	CON %	07/11/2009	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = GH 9145RR/LL