

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	02	UNIT
TIMINGS	09	11	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	05/21/09	06/09/09	AME
AIR TEMPERATURE	82	68	F
% REL.HUMIDITY	42	60	
WIND DIRECTION	SOUTHWEST	NORTHWEST	
WIND SPEED	5.0		M/H
CLOUD COVER	CLEAR	PARTCLDY	
DEW	NO	NO	
SOIL MOISTURE	DRY/MOIST	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
SCREEN SIZE			
SCREEN SZ DESC	NA	NA	
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
SPRAY 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		---/13	
GH 9145RR/LL		6.00/6.00	IN
05/21/2009			
*** PEST ***			
VELVETLEAF		---/12	
		1.00/3.00	IN
WATERHEMP, COMMO		---/16	
		1.00/2.00	IN
LAMBSQUARTERS, C		---/15	
		1.00/1.00	IN
MORNINGGLORY, TA		---/12	
		1.00/2.00	IN
FOXTAIL, GIANT		---/13	
		1.00/4.00	IN
COCKLEBUR, COMMO		---/13	
		2.00/4.00	IN

* TIMING CODES

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

* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 13 = 3 LEAVES UNFOLDED
 13 = 3 LEAVES UNFOLDED
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: 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	TREATMENT	DOSAGE		ZEAMD	SETFA	AMATA	CHEAL	ABUTH	XANST
NUM	COMPONENT	RATE	UNIT TM	CON % 06/22/09	CON % 06/22/09	CON % 06/22/09	CON % 06/22/09	CON % 06/22/09	CON % 06/22/09
1A»	NIC-IT 2L	0.023	LAA 11	0	80	78	91	95	92
	B ATRAZINE DF	1.00	LAA 11						
	C»COC	1.00	PMV 11						
	D 28% UAN	2.50	PMV 11						
2A»	NIC-IT 2L	0.031	LAA 11	0	88	83	92	95	94
	B ATRAZINE DF	1.00	LAA 11						
	C»COC	1.00	PMV 11						
	D 28% UAN	2.50	PMV 11						
3A»	NIC-IT 2L	0.023	LAA 11	2	79	97	97	98	98
	B BANVEL 4SL	0.375	LAA 11						
	C»COC	1.00	PMV 11						
	D 28% UAN	2.50	PMV 11						
4A»	NIC-IT 2L	0.031	LAA 11	0	87	98	99	99	98
	B BANVEL 4SL	0.375	LAA 11						
	C»COC	1.00	PMV 11						
	D 28% UAN	2.50	PMV 11						
5A»	NIC-IT 2L	0.023	LAA 11	2	85	99	99	99	99
	B BANVEL 4SL	0.25	LAA 11						
	C ATRAZINE DF	1.00	LAA 11						
	D»COC	1.00	PMV 11						
	E 28% UAN	2.50	PMV 11						
6A»	NIC-IT 2L	0.031	LAA 11	5	91	73	98	99	99
	B»HARASS 75SG	0.0023	LAA 11						
	C»COC	1.00	PMV 11						
	D 28% UAN	2.50	PMV 11						
7A	ACCENT 75WG	0.031	LAA 11	0	92	94	98	95	95
	B ATRAZINE DF	1.00	LAA 11						
	C»COC	1.00	PMV 11						
	D 28% UAN	2.50	PMV 11						
8A	ACCENT 75WG	0.032	LAA 11	0	93	61	87	92	86
	B RESOLVE 25DF	0.002	LAA 11						
	C»COC	1.00	PMV 11						
	D 28% UAN	2.50	PMV 11						
9A	HARNESS (7EC)	1.25	LAA 9	0	98	97	98	92	92
	B»NIC-IT 2L	0.031	LAA 11						
	C»COC	1.00	PMV 11						
	D 28% UAN	2.50	PMV 11						
10A»	CHA-023 25WG	0.0078	LAA 11	0	81	60	73	88	87
	B»ACTIVATOR 90	0.25	PMV 11						
	C 28% UAN	2.50	PMV 11						
11A»	CHA-023 25WG	0.016	LAA 11	0	90	75	90	95	94
	B»ACTIVATOR 90	0.25	PMV 11						
	C 28% UAN	2.50	PMV 11						
12A»	CHA-023 25WG	0.031	LAA 11	2	98	75	88	98	98
	B»ACTIVATOR 90	0.25	PMV 11						
	C 28% UAN	2.50	PMV 11						
13A	RESOLVE 25DF	0.0078	LAA 11	0	84	63	82	92	83
	B»ACTIVATOR 90	0.25	PMV 11						
	C 28% UAN	2.50	PMV 11						
14A	RESOLVE 25DF	0.0156	LAA 11	0	96	79	95	99	93
	B»ACTIVATOR 90	0.25	PMV 11						
	C 28% UAN	2.50	PMV 11						

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TRT	TREATMENT	DOSAGE	ZEAMD	SETFA	AMATA	CHEAL	ABUTH	XANST
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					06/22/09	06/22/09	06/22/09	06/22/09
15A	RESOLVE 25DF	0.0313	LAA	11	0	98	83	98
	B»ACTIVATOR 90	0.25	PMV	11				99
	C 28% UAN	2.50	PMV	11				97
16A»	CHA-024 2L	0.018	LAA	11	0	96	84	99
	B»ACTIVATOR 90	0.25	PMV	11				99
	C 28% UAN	2.50	PMV	11				95
17A»	CHA-024 2L	0.035	LAA	11	0	98	81	93
	B»ACTIVATOR 90	0.25	PMV	11				99
	C 28% UAN	2.50	PMV	11				98
18A	CHECK	0.00	NA	0	0	0	0	0
19A	STEADFAST 75WG	0.018	LAA	11	0	93	71	89
	B»ACTIVATOR 90	0.25	PMV	11				96
	C 28% UAN	2.50	PMV	11				96
20A	RESOLVE 25DF	0.035	LAA	11	2	98	75	96
	B»ACTIVATOR 90	0.25	PMV	11				97
	C 28% UAN	2.50	PMV	11				96
LSD (0.05)					2.32	6.00	13.84	6.44
STANDARD DEVIATION					1.15	3.00	6.85	3.19
								4.12
								2.00
								5.35
								2.65

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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		PHBPU	ZEAMD	SETFA	AMATA	CHEAL	ABUTH	
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %	
					06/22/09	07/10/09	07/10/09	07/10/09	07/10/09	
1A»	NIC-IT 2L	0.023	LAA	11	83	0	75	68	90	86
	B ATRAZINE DF	1.00	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
2A»	NIC-IT 2L	0.031	LAA	11	91	0	78	67	90	88
	B ATRAZINE DF	1.00	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
3A»	NIC-IT 2L	0.023	LAA	11	90	0	72	85	85	86
	B BANVEL 4SL	0.375	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
4A»	NIC-IT 2L	0.031	LAA	11	89	0	80	94	98	98
	B BANVEL 4SL	0.375	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
5A»	NIC-IT 2L	0.023	LAA	11	96	0	75	98	99	99
	B BANVEL 4SL	0.25	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
6A»	NIC-IT 2L	0.031	LAA	11	88	0	88	72	96	98
	B»HARASS 75SG	0.0023	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
7A	ACCENT 75WG	0.031	LAA	11	95	0	85	88	97	94
	B ATRAZINE DF	1.00	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
8A	ACCENT 75WG	0.032	LAA	11	83	0	87	50	86	89
	B RESOLVE 25DF	0.002	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
9A	HARNESS (7EC)	1.25	LAA	9	81	0	97	96	97	91
	B»NIC-IT 2L	0.031	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
10A»	CHA-023 25WG	0.0078	LAA	11	70	0	78	55	77	79
	B»ACTIVATOR 90	0.25	PMV	11						
	C 28% UAN	2.50	PMV	11						
11A»	CHA-023 25WG	0.016	LAA	11	76	0	83	55	78	79
	B»ACTIVATOR 90	0.25	PMV	11						
	C 28% UAN	2.50	PMV	11						
12A»	CHA-023 25WG	0.031	LAA	11	83	0	92	60	88	89
	B»ACTIVATOR 90	0.25	PMV	11						
	C 28% UAN	2.50	PMV	11						
13A	RESOLVE 25DF	0.0078	LAA	11	70	0	76	43	72	79
	B»ACTIVATOR 90	0.25	PMV	11						
	C 28% UAN	2.50	PMV	11						
14A	RESOLVE 25DF	0.0156	LAA	11	80	0	86	47	86	90
	B»ACTIVATOR 90	0.25	PMV	11						
	C 28% UAN	2.50	PMV	11						

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TRT	TREATMENT	DOSAGE	PHBPU	ZEAMD	SETFA	AMATA	CHEAL	ABUTH
NUM	COMPONENT	RATE	CON %	CON %	CON %	CON %	CON %	CON %
		UNIT	06/22/09	07/10/09	07/10/09	07/10/09	07/10/09	07/10/09
15A	RESOLVE 25DF	0.0313	LAA 11	83	0	91	47	91
	B»ACTIVATOR 90	0.25	PMV 11					92
	C 28% UAN	2.50	PMV 11					
16A»	CHA-024 2L	0.018	LAA 11	89	0	90	60	89
	B»ACTIVATOR 90	0.25	PMV 11					90
	C 28% UAN	2.50	PMV 11					
17A»	CHA-024 2L	0.035	LAA 11	85	0	97	65	90
	B»ACTIVATOR 90	0.25	PMV 11					96
	C 28% UAN	2.50	PMV 11					
18A	CHECK	0.00	NA 0	33	0	0	0	0
19A	STEADFAST 75WG	0.018	LAA 11	78	0	87	57	82
	B»ACTIVATOR 90	0.25	PMV 11					85
	C 28% UAN	2.50	PMV 11					
20A	RESOLVE 25DF	0.035	LAA 11	82	0	95	68	90
	B»ACTIVATOR 90	0.25	PMV 11					89
	C 28% UAN	2.50	PMV 11					
LSD (0.05)			22.13	0.00	8.54	24.55	10.40	11.34
STANDARD DEVIATION			10.95	0.00	4.23	12.15	5.15	5.61

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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		XANST	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %
				07/10/09	07/10/09
1A»	NIC-IT 2L	0.023	LAA 11	88	72
	B ATRAZINE DF	1.00	LAA 11		
	C»COC	1.00	PMV 11		
	D 28% UAN	2.50	PMV 11		
2A»	NIC-IT 2L	0.031	LAA 11	90	82
	B ATRAZINE DF	1.00	LAA 11		
	C»COC	1.00	PMV 11		
	D 28% UAN	2.50	PMV 11		
3A»	NIC-IT 2L	0.023	LAA 11	92	81
	B BANVEL 4SL	0.375	LAA 11		
	C»COC	1.00	PMV 11		
	D 28% UAN	2.50	PMV 11		
4A»	NIC-IT 2L	0.031	LAA 11	96	86
	B BANVEL 4SL	0.375	LAA 11		
	C»COC	1.00	PMV 11		
	D 28% UAN	2.50	PMV 11		
5A»	NIC-IT 2L	0.023	LAA 11	98	91
	B BANVEL 4SL	0.25	LAA 11		
	C ATRAZINE DF	1.00	LAA 11		
	D»COC	1.00	PMV 11		
	E 28% UAN	2.50	PMV 11		
6A»	NIC-IT 2L	0.031	LAA 11	97	83
	B»HARASS 75SG	0.0023	LAA 11		
	C»COC	1.00	PMV 11		
	D 28% UAN	2.50	PMV 11		
7A	ACCENT 75WG	0.031	LAA 11	93	91
	B ATRAZINE DF	1.00	LAA 11		
	C»COC	1.00	PMV 11		
	D 28% UAN	2.50	PMV 11		
8A	ACCENT 75WG	0.032	LAA 11	81	72
	B RESOLVE 25DF	0.002	LAA 11		
	C»COC	1.00	PMV 11		
	D 28% UAN	2.50	PMV 11		
9A	HARNESS (7EC)	1.25	LAA 9	83	80
	B»NIC-IT 2L	0.031	LAA 11		
	C»COC	1.00	PMV 11		
	D 28% UAN	2.50	PMV 11		
10A»	CHA-023 25WG	0.0078	LAA 11	77	55
	B»ACTIVATOR 90	0.25	PMV 11		
	C 28% UAN	2.50	PMV 11		
11A»	CHA-023 25WG	0.016	LAA 11	79	50
	B»ACTIVATOR 90	0.25	PMV 11		
	C 28% UAN	2.50	PMV 11		
12A»	CHA-023 25WG	0.031	LAA 11	84	62
	B»ACTIVATOR 90	0.25	PMV 11		
	C 28% UAN	2.50	PMV 11		
13A	RESOLVE 25DF	0.0078	LAA 11	74	60
	B»ACTIVATOR 90	0.25	PMV 11		
	C 28% UAN	2.50	PMV 11		
14A	RESOLVE 25DF	0.0156	LAA 11	81	67
	B»ACTIVATOR 90	0.25	PMV 11		
	C 28% UAN	2.50	PMV 11		

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

TRT	TREATMENT	DOSAGE	XANST	PHBPU
NUM	COMPONENT	RATE	CON %	CON %
		UNIT	TM	07/10/09
15A	RESOLVE 25DF	0.0313	LAA 11	86
	B»ACTIVATOR 90	0.25	PMV 11	78
	C 28% UAN	2.50	PMV 11	
16A»	CHA-024 2L	0.018	LAA 11	88
	B»ACTIVATOR 90	0.25	PMV 11	82
	C 28% UAN	2.50	PMV 11	
17A»	CHA-024 2L	0.035	LAA 11	96
	B»ACTIVATOR 90	0.25	PMV 11	85
	C 28% UAN	2.50	PMV 11	
18A	CHECK	0.00	NA 0	0
19A	STEADFAST 75WG	0.018	LAA 11	80
	B»ACTIVATOR 90	0.25	PMV 11	62
	C 28% UAN	2.50	PMV 11	
20A	RESOLVE 25DF	0.035	LAA 11	88
	B»ACTIVATOR 90	0.25	PMV 11	65
	C 28% UAN	2.50	PMV 11	
LSD (0.05)			12.28	14.00
STANDARD DEVIATION			6.08	6.93

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

09 = ----- / PREEMERGENCE 05/21/2009(1)

11 = ----- / EPOST 06/09/2009(2)

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 %	06/22/2009	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/22/2009	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	06/22/2009	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/22/2009	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/22/2009	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	XANST	CON %	06/22/2009	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	06/22/2009	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	07/10/2009	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	07/10/2009	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	07/10/2009	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	CHEAL	CON %	07/10/2009	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	07/10/2009	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	XANST	CON %	07/10/2009	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	PHBPU	CON %	07/10/2009	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