

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: 0
PLOT WIDTH: 7.5 X 36 FEET
PLOT AREA: 270 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMIX	
APPLICATION DATE	05/28/10	AME
AIR TEMPERATURE	85	F
% REL.HUMIDITY	29	
WIND DIRECTION	NORTHEAST	
WIND SPEED	5.0	M/H
CLOUD COVER	CLEAR	
DEW	NO	
SOIL MOISTURE	DRY/MOIST	
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	42.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	---/15	
P1395XR	12.0/12.0	IN
04/21/2010		
*** PEST ***		
VELVETLEAF	---/15	
	4.00/6.00	IN
WATERHEMP, COMMO	---/19	
	3.00/5.00	IN
RAGWEED, COMMON	---/16	
	3.00/6.00	IN
LAMBSQUARTERS, C	---/19	
	3.00/6.00	IN
MORNINGGLORY, TA	---/19	
	2.00/6.00	IN
FOXTAIL, GIANT	---/16	
	4.00/8.00	IN
COCKLEBUR, COMMO	---/16	
	4.00/8.00	IN

* TIMING CODES

12 = ----- / POST

* STAGE CODE

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

TITLE: Ignite and AMS Replacements for Weed Control in RR/LL Corn. C-500
CREATED: 04/15/2010 **REVISED:** 08/18/2010 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 36.00 FT LONG
PLOT AREA: 270.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	AMATA	AMBEL	ABUTH
		RATE	UNIT	TM	CON % 06/06/10	CON % 06/06/10	CON % 06/06/10	CON % 06/06/10	CON % 06/06/10	CON % 06/06/10
1A»	IGNITE 2.33SL	0.30	LAA	12	0	89	75	88	83	93
2A»	IGNITE 2.33SL	0.30	LAA	12	0	96	83	96	97	99
	B»N-PAK AMS	56.50	ZMA	12						
3A»	IGNITE 2.33SL	0.30	LAA	12	0	96	84	97	98	99
	B»N-PAK AMS	113.00	ZMA	12						
4A»	IGNITE 2.33SL	0.30	LAA	12	0	94	83	93	99	99
	B»CLASS ACT NG	2.50	PMV	12						
5A»	IGNITE 2.33SL	0.30	LAA	12	0	96	86	98	99	99
	B»AGM 09026	1.00	QMA	12						
	C»CLASS ACT NG	2.50	PMV	12						
6A»	IGNITE 2.33SL	0.30	LAA	12	0	96	90	99	99	99
	B»AG 10003	2.00	PMV	12						
7A»	IGNITE 2.33SL	0.30	LAA	12	0	97	89	98	99	99
	B»AGM 09026	1.00	QMA	12						
	C»AG 10003	2.00	PMV	12						
8A»	IGNITE 2.33SL	0.30	LAA	12	0	93	74	93	90	98
	B»AG 10004	2.00	PMV	12						
9A»	IGNITE 2.33SL	0.30	LAA	12	0	91	79	94	95	98
	B»AGM 09026	1.00	QMA	12						
	C»AG 10004	2.00	PMV	12						
10A»	IGNITE 2.33SL	0.30	LAA	12	0	94	88	99	99	99
	B»AG 10009	2.00	PMV	12						
11A»	IGNITE 2.33SL	0.30	LAA	12	0	94	88	98	98	99
	B»AGM 09026	1.00	QMA	12						
	C»AG 10009	2.00	PMV	12						
12A»	IGNITE 2.33SL	0.30	LAA	12	0	97	99	99	99	99
	B»CORVUS 2.6SC	0.061	LAA	12						
	C»CLASS ACT NG	2.50	PMV	12						
13A»	IGNITE 2.33SL	0.30	LAA	12	0	99	98	99	99	99
	B»RNDUP POWERMAX	0.39	LAA	12						
	C»CLASS ACT NG	2.50	PMV	12						
14A»	IGNITE 2.33SL	0.30	LAA	12	0	97	99	99	99	99
	B»LAUDIS 3.5SC	0.055	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»CLASS ACT NG	2.50	PMV	12						
15A»	CAPRENO 3.45 S	0.081	LAA	12	0	67	97	98	98	99
	B ATRAZINE DF	0.50	LAA	12						
	C»CLASS ACT NG	2.50	PMV	12						
16A»	IGNITE 2.33SL	0.40	LAA	12	0	96	93	99	99	99
	B»N-PAK 28%N	2.50	PMV	12						
		LSD (0.05)			0.00	2.87	8.00	4.51	6.00	1.47
		STANDARD DEVIATION			0.00	1.40	3.91	2.21	2.92	0.722

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PLOT SIZE: 7.50 FT WIDE X 36.00 FT LONG
PLOT AREA: 270.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			PHBPU	XANST	ZEAMD	SETFA	CHEAL	AMATA
		RATE	UNIT	TM	CON % 06/06/10	CON % 06/06/10	CON % 06/25/10	CON % 06/25/10	CON % 06/25/10	CON % 06/25/10
1A»	IGNITE 2.33SL	0.30	LAA	12	80	90	0	72	40	72
2A»	IGNITE 2.33SL	0.30	LAA	12	93	99	0	85	63	91
	B»N-PAK AMS	56.50	ZMA	12						
3A»	IGNITE 2.33SL	0.30	LAA	12	93	99	0	83	55	85
	B»N-PAK AMS	113.00	ZMA	12						
4A»	IGNITE 2.33SL	0.30	LAA	12	90	98	0	83	58	87
	B»CLASS ACT NG	2.50	PMV	12						
5A»	IGNITE 2.33SL	0.30	LAA	12	91	99	0	83	63	91
	B»AGM 09026	1.00	QMA	12						
	C»CLASS ACT NG	2.50	PMV	12						
6A»	IGNITE 2.33SL	0.30	LAA	12	92	99	0	88	77	97
	B»AG 10003	2.00	PMV	12						
7A»	IGNITE 2.33SL	0.30	LAA	12	93	99	0	87	65	90
	B»AGM 09026	1.00	QMA	12						
	C»AG 10003	2.00	PMV	12						
8A»	IGNITE 2.33SL	0.30	LAA	12	87	95	0	77	65	86
	B»AG 10004	2.00	PMV	12						
9A»	IGNITE 2.33SL	0.30	LAA	12	84	95	0	72	55	80
	B»AGM 09026	1.00	QMA	12						
	C»AG 10004	2.00	PMV	12						
10A»	IGNITE 2.33SL	0.30	LAA	12	88	98	0	86	80	93
	B»AG 10009	2.00	PMV	12						
11A»	IGNITE 2.33SL	0.30	LAA	12	88	99	0	87	65	88
	B»AGM 09026	1.00	QMA	12						
	C»AG 10009	2.00	PMV	12						
12A»	IGNITE 2.33SL	0.30	LAA	12	97	99	0	96	99	99
	B»CORVUS 2.6SC	0.061	LAA	12						
	C»CLASS ACT NG	2.50	PMV	12						
13A»	IGNITE 2.33SL	0.30	LAA	12	98	99	0	96	99	99
	B»RNDUP POWERMAX	0.39	LAA	12						
	C»CLASS ACT NG	2.50	PMV	12						
14A»	IGNITE 2.33SL	0.30	LAA	12	96	99	0	93	99	99
	B»LAUDIS 3.5SC	0.055	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D»CLASS ACT NG	2.50	PMV	12						
15A»	CAPRENO 3.45 S	0.081	LAA	12	78	97	0	72	99	99
	B ATRAZINE DF	0.50	LAA	12						
	C»CLASS ACT NG	2.50	PMV	12						
16A»	IGNITE 2.33SL	0.40	LAA	12	95	99	0	92	86	99
	B»N-PAK 28%N	2.50	PMV	12						
		LSD (0.05)			4.87	3.08	0.00	6.54	7.67	4.24
		STANDARD DEVIATION			2.38	1.51	0.00	3.20	3.76	2.08

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PLOT SIZE: 7.50 FT WIDE X 36.00 FT LONG
PLOT AREA: 270.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			AMBEL	ABUTH	PHBPU	XANST
		RATE	UNIT	TM	CON % 06/25/10	CON % 06/25/10	CON % 06/25/10	CON % 06/25/10
1A»	IGNITE 2.33SL	0.30	LAA	12	80	73	50	70
2A»	IGNITE 2.33SL	0.30	LAA	12	99	99	72	86
	B»N-PAK AMS	56.50	ZMA	12				
3A»	IGNITE 2.33SL	0.30	LAA	12	99	99	73	88
	B»N-PAK AMS	113.00	ZMA	12				
4A»	IGNITE 2.33SL	0.30	LAA	12	99	99	75	87
	B»CLASS ACT NG	2.50	PMV	12				
5A»	IGNITE 2.33SL	0.30	LAA	12	99	99	75	87
	B»AGM 09026	1.00	QMA	12				
	C»CLASS ACT NG	2.50	PMV	12				
6A»	IGNITE 2.33SL	0.30	LAA	12	99	99	82	94
	B»AG 10003	2.00	PMV	12				
7A»	IGNITE 2.33SL	0.30	LAA	12	99	99	76	88
	B»AGM 09026	1.00	QMA	12				
	C»AG 10003	2.00	PMV	12				
8A»	IGNITE 2.33SL	0.30	LAA	12	99	99	75	89
	B»AG 10004	2.00	PMV	12				
9A»	IGNITE 2.33SL	0.30	LAA	12	99	99	72	83
	B»AGM 09026	1.00	QMA	12				
	C»AG 10004	2.00	PMV	12				
10A»	IGNITE 2.33SL	0.30	LAA	12	99	99	80	92
	B»AG 10009	2.00	PMV	12				
11A»	IGNITE 2.33SL	0.30	LAA	12	99	99	78	89
	B»AGM 09026	1.00	QMA	12				
	C»AG 10009	2.00	PMV	12				
12A»	IGNITE 2.33SL	0.30	LAA	12	99	99	94	98
	B»CORVUS 2.6SC	0.061	LAA	12				
	C»CLASS ACT NG	2.50	PMV	12				
13A»	IGNITE 2.33SL	0.30	LAA	12	99	99	89	98
	B»RNDUP POWERMAX	0.39	LAA	12				
	C»CLASS ACT NG	2.50	PMV	12				
14A»	IGNITE 2.33SL	0.30	LAA	12	99	99	91	98
	B»LAUDIS 3.5SC	0.055	LAA	12				
	C ATRAZINE DF	0.50	LAA	12				
	D»CLASS ACT NG	2.50	PMV	12				
15A»	CAPRENO 3.45 S	0.081	LAA	12	99	99	84	95
	B ATRAZINE DF	0.50	LAA	12				
	C»CLASS ACT NG	2.50	PMV	12				
16A»	IGNITE 2.33SL	0.40	LAA	12	99	99	81	94
	B»N-PAK 28%N	2.50	PMV	12				
		LSD (0.05)			0.00	6.37	7.24	5.76
		STANDARD DEVIATION			0.00	3.12	3.54	2.82

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

12 = ----- / POST 05/28/2010(1)

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 %	06/06/2010	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
002	SETFA	CON %	06/06/2010	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/06/2010	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/06/2010	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMBEL	CON %	06/06/2010	05	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ABUTH	CON %	06/06/2010	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	06/06/2010	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	XANST	CON %	06/06/2010	08	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ZEAMD	CON %	06/25/2010	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	SETFA	CON %	06/25/2010	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	CHEAL	CON %	06/25/2010	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	AMATA	CON %	06/25/2010	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMBEL	CON %	06/25/2010	05	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	CON %	06/25/2010	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	PHBPU	CON %	06/25/2010	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	XANST	CON %	06/25/2010	08	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = P1395XR