

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	05	09	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	04/12/10	04/22/10	AME
AIR TEMPERATURE	77	74	F
% REL.HUMIDITY	27	41	
WIND DIRECTION	SOUTH	SOUTH	
WIND SPEED	6.0	1.0	M/H
CLOUD COVER	CLEAR	CLEAR	
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		---/01	
G85V88RR/LL		/	IN
04/22/2010			

* TIMING CODES

05 = ----- / EPP 15DBP
 09 = ----- / PREEMERGENCE

* STAGE CODE

01 = BEGINNING OF IMBIBITION

TITLE: Preemergence Herbicide Systems for Weed Control in RR/LL Corn. AS-100
CREATED: 04/05/2010 **REVISED:** 11/17/2010 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			PHBPU	ZEAMD	SETFA	CHEAL	AMATA	ABUTH
		RATE	UNIT	TM	CON % 05/14/10	CON % 05/28/10	CON % 05/28/10	CON % 05/28/10	CON % 05/28/10	CON % 05/28/10
1A»	FIERCE 76WG	0.14	LAA	5	77	0	78	99	96	89
B	ATRAZINE DF	1.00	LAA	5						
2A	LUMAX	2.96	LAA	9	93	0	99	99	99	99
3A»	LEXAR 3.7L	3.24	LAA	9	93	0	98	99	99	99
4A»	CORVUS 2.6SC	0.114	LAA	9	72	0	88	99	99	99
B	ATRAZINE DF	1.00	LAA	9						
5A»	VERDICT 5.57L	0.696	LAA	9	97	0	96	99	99	99
6A»	SHARPEN 2.85L	0.067	LAA	9	99	0	99	99	99	99
B»	GUARDS MAX 5L	2.66	LAA	9						
7A	CHECK	0.00	NA	0	0	0	0	0	0	0
8A»	PREQUEL 45WG	0.047	LAA	0	60	0	89	99	99	99
B	RESOLVE 25DF	0.016	LAA	9						
C»	ISOX AFLUTOLE 7	0.031	LAA	9						
D	CINCH ATZ	1.375	LAA	9						
					LS D (0.05)					
					STANDARD DEVIATION					
					4.84	0.00	6.30	0.00	3.22	2.50
					2.26	0.00	2.94	0.00	1.50	1.17

TITLE: Preemergence Herbicide Systems for Weed Control in RR/LL Corn. AS-100
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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		TM	XANST	PHBPU	ZEAMD	SETFA	CHEAL	AMATA
		RATE	UNIT		CON % 05/28/10	CON % 05/28/10	CON % 06/18/10	CON % 06/18/10	CON % 06/18/10	CON % 06/18/10
1A»	FIERCE 76WG	0.14	LAA	5	75	68	0	73	99	99
B	ATRAZINE DF	1.00	LAA	5						
2A	LUMAX	2.96	LAA	9	98	97	0	98	99	99
3A»	LEXAR 3.7L	3.24	LAA	9	99	98	0	96	99	99
4A»	CORVUS 2.6SC	0.114	LAA	9	89	84	0	78	99	99
B	ATRAZINE DF	1.00	LAA	9						
5A»	VERDICT 5.57L	0.696	LAA	9	98	97	0	87	99	99
6A»	SHARPEN 2.85L	0.067	LAA	9	99	98	0	97	99	99
B»	GUARDS MAX 5L	2.66	LAA	9						
7A	CHECK	0.00	NA	0	0	0	0	0	0	0
8A»	PREQUEL 45WG	0.047	LAA	0	68	57	0	81	99	99
B	RESOLVE 25DF	0.016	LAA	9						
C»	ISOXAFLUTOLE 7	0.031	LAA	9						
D	CINCH ATZ	1.375	LAA	9						
		LSD (0.05)			6.57	6.58	0.00	9.59	0.00	0.00
		STANDARD DEVIATION			3.06	3.07	0.00	4.47	0.00	0.00

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PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE		ABUTH	XANST	PHBPU	YIELD
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	BU/A
			TM	06/18/10	06/18/10	06/18/10	10/14/10
1A»	FIERCE 76WG	0.14	LAA 5	82	70	63	205.5
B	ATRAZINE DF	1.00	LAA 5				
2A	LUMAX	2.96	LAA 9	99	94	89	200.2
3A»	LEXAR 3.7L	3.24	LAA 9	99	95	92	217.9
4A»	CORVUS 2.6SC	0.114	LAA 9	99	94	73	238.6
B	ATRAZINE DF	1.00	LAA 9				
5A»	VERDICT 5.57L	0.696	LAA 9	92	90	83	196.1
6A»	SHARPEN 2.85L	0.067	LAA 9	99	97	94	207.2
B»	GUARDS MAX 5L	2.66	LAA 9				
7A	CHECK	0.00	NA 0	0	0	0	147.1
8A»	PREQUEL 45WG	0.047	LAA 0	99	62	40	223.7
B	RESOLVE 25DF	0.016	LAA 9				
C»	ISOX AFLUTOLE 7	0.031	LAA 9				
D	CINCH ATZ	1.375	LAA 9				
LSD (0.05)				5.59	7.38	10.18	31.00
STANDARD DEVIATION				2.61	3.44	4.74	14.45

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 05 = ----- / EPP 15DBP 04/12/2010(1)
 09 = ----- / PREEMERGENCE 04/22/2010(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 %	05/14/2010	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/14/2010	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/14/2010	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	05/14/2010	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	05/14/2010	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	XANST	CON %	05/14/2010	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	05/14/2010	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	05/28/2010	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	05/28/2010	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	05/28/2010	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	05/28/2010	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	05/28/2010	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	XANST	CON %	05/28/2010	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	PHBPU	CON %	05/28/2010	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	ZEAMD	CON %	06/18/2010	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	06/18/2010	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	CHEAL	CON %	06/18/2010	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	AMATA	CON %	06/18/2010	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ABUTH	CON %	06/18/2010	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	XANST	CON %	06/18/2010	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	PHBPU	CON %	06/18/2010	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	YIELD	BU/A	10/14/2010	01	P	ZEAMD		RAW	---	YLD	---	---	0.00 ---	NO	0001	0	Y

* SEE INDIVIDUAL EVALUATION COMMENTS UNDER SPECIFIC TRIAL NOTES

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

01 = G85V88RR/LL