

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
PH: 6.1
%OM: 5.5
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	12	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	05/06/14	06/02/14	AME
AIR TEMPERATURE	80	85	F
% REL.HUMIDITY	35	39	
WIND DIRECTION	EAST	SOUTHWEST	
WIND SPEED	6.0	4.0	M/H
CLOUD COVER	CLEAR	PARTCLDY	
DEW	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION			
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	---	---	
FOLIAGE HEIGHT			FT
FOLIAGE WIDTH			FT
ROW WIDTH			FT
SPRAY VOL LWA/TRV			
S VOL LWA/TRV UNIT			
LEAF WALL AREA			M2H
TREE ROW VOLUME			M3H
SPECIE AND STAGE	DEN / STG MIN / MAX	DEN / STG MIN / MAX	
CROP *			
P, CORN, DENT NK 70J-3011A (PLANTED) 05/05/2014		---/15 18.0/18.0 28 DAP	IN
PEST *			
P, VELVETLEAF		---/14 2.00/4.00	IN
P, WATERHEMP, COMMO		---/18 2.00/4.00	IN
P, LAMBSQUARTERS, C		---/19 2.00/4.00	IN
P, MORNINGGLORY, TA		---/15 2.00/4.00	IN
P, FOXTAIL, GIANT		---/13 2.00/4.00	IN
P, COCKLEBUR, COMMO		---/13 2.00/6.00	IN

*** TIMING CODES**

09 = ----- / PREEMERGENCE
12 = ----- / POST

*** STAGE CODE**

13 = 3 LEAVES UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Acuron (A19707) for Weed Control in RR/LL Corn. AS-400
CREATED: 04/14/2014 **REVISED:** 07/18/2014 **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	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 05/30/14	CON % 05/30/14	CON % 05/30/14	CON % 05/30/14	CON % 05/30/14	CON % 05/30/14
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»ACURON 3.44 ZC	2.58	LAA	9	0	98	99	99	99	95
3A	»ACURON 3.44 ZC	2.58	LAA	9	0	99	99	99	99	98
	B ATRAZINE DF	0.75	LAA	9						
4A	»ACURON 3.44 ZC	2.58	LAA	9	0	99	99	99	99	97
	B»TOUCHDN TOTAL	0.98	LAA	12						
	C»STATUS 56DG	0.175	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
5A	»ANTHEM ATZ 4.5	1.125	LAA	9	0	95	99	99	97	91
	B»SOLSTICE 4L	0.078	LAA	9						
6A	»KEYSTONE NXT 5	3.50	LAA	9	0	99	99	99	99	95
	B»HORNET 68.5WG	0.171	LAA	9						
7A	»VERDICT 5.57L	0.78	LAA	9	0	99	99	99	99	98
	B ATRAZINE DF	1.50	LAA	9						
8A	»CORVUS 2.6SC	0.114	LAA	9	0	96	99	99	99	96
	B ATRAZINE DF	1.50	LAA	9						
		LSD (0.05)			0.00	1.62	0.00	0.00	1.24	3.50
		STANDARD DEVIATION			0.00	0.753	0.00	0.00	0.577	1.63

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REPS: 03

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		RATE	UNIT	TM	CON % 05/30/14	CON % 06/17/14	CON % 06/17/14	CON % 06/17/14	CON % 06/17/14	CON % 06/17/14
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»ACURON 3.44 ZC	2.58	LAA	9	98	0	95	99	99	99
3A	»ACURON 3.44 ZC	2.58	LAA	9	99	0	99	99	99	99
	B ATRAZINE DF	0.75	LAA	9						
4A	»ACURON 3.44 ZC	2.58	LAA	9	98	0	99	99	99	99
	B»TOUCHDN TOTAL	0.98	LAA	12						
	C»STATUS 56DG	0.175	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
5A	»ANTHEM ATZ 4.5	1.125	LAA	9	91	0	93	99	99	99
	B»SOLSTICE 4L	0.078	LAA	9						
6A	»KEYSTONE NXT 5	3.50	LAA	9	97	0	99	99	99	99
	B»HORNET 68.5WG	0.171	LAA	9						
7A	»VERDICT 5.57L	0.78	LAA	9	99	0	95	99	99	99
	B ATRAZINE DF	1.50	LAA	9						
8A	»CORVUS 2.6SC	0.114	LAA	9	96	0	89	99	99	99
	B ATRAZINE DF	1.50	LAA	9						
		LSD (0.05)			2.12	0.00	3.85	0.00	0.00	0.00
		STANDARD DEVIATION			1.00	0.00	1.80	0.00	0.00	0.00

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PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			PHBPU	XANST	ZEAMD	SETFA	CHEAL	AMATA
		RATE	UNIT	TM	CON % 06/17/14	CON % 06/17/14	CON % 06/29/14	CON % 06/29/14	CON % 06/29/14	CON % 06/29/14
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»ACURON 3.44 ZC	2.58	LAA	9	89	94	0	97	99	99
3A	»ACURON 3.44 ZC	2.58	LAA	9	97	98	0	99	99	99
	B ATRAZINE DF	0.75	LAA	9						
4A	»ACURON 3.44 ZC	2.58	LAA	9	98	99	0	99	99	99
	B»TOUCHDN TOTAL	0.98	LAA	12						
	C»STATUS 56DG	0.175	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
5A	»ANTHEM ATZ 4.5	1.125	LAA	9	79	83	0	95	99	99
	B»SOLSTICE 4L	0.078	LAA	9						
6A	»KEYSTONE NXT 5	3.50	LAA	9	91	95	0	99	99	99
	B»HORNET 68.5WG	0.171	LAA	9						
7A	»VERDICT 5.57L	0.78	LAA	9	97	98	0	94	99	99
	B ATRAZINE DF	1.50	LAA	9						
8A	»CORVUS 2.6SC	0.114	LAA	9	91	93	0	84	99	99
	B ATRAZINE DF	1.50	LAA	9						
		LSD (0.05)			4.83	3.00	0.00	3.35	0.00	0.00
		STANDARD DEVIATION			2.25	1.39	0.00	1.56	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 NUM COMPONENT	DOSAGE RATE	UNIT	TM	ABUTH CON % 06/29/14	PHBPU CON % 06/29/14	XANST CON % 06/29/14
1A CHECK	0.00	NA	0	0	0	0
2A»ACURON 3.44 ZC	2.58	LAA	9	99	88	95
3A»ACURON 3.44 ZC B ATRAZINE DF	2.58 0.75	LAA LAA	9 9	99	94	98
4A»ACURON 3.44 ZC B»TOUCHDN TOTAL C»STATUS 56DG D»LIQUID AMS	2.58 0.98 0.175 2.50	LAA LAA LAA PMV	9 12 12 12	99	98	99
5A»ANTHEM ATZ 4.5 B»SOLSTICE 4L	1.125 0.078	LAA LAA	9 9	99	84	91
6A»KEYSTONE NXT 5 B»HORNET 68.5WG	3.50 0.171	LAA LAA	9 9	99	86	93
7A»VERDICT 5.57L B ATRAZINE DF	0.78 1.50	LAA LAA	9 9	99	94	97
8A»CORVUS 2.6SC B ATRAZINE DF	0.114 1.50	LAA LAA	9 9	99	87	94
	LSLSD (0.05)			0.00	5.61	2.32
	STANDARD DEVIATION			0.00	2.61	1.08

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/06/2014(1)
 12 = ----- / POST 06/02/2014(2)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
001	ZEAMD	CON %	05/30/2014	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/30/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/30/2014	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	05/30/2014	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	05/30/2014	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	05/30/2014	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	XANST	CON %	05/30/2014	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	06/17/2014	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	06/17/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/17/2014	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	06/17/2014	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	06/17/2014	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	06/17/2014	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST	CON %	06/17/2014	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	ZEAMD	CON %	06/29/2014	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	06/29/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	CHEAL	CON %	06/29/2014	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	AMATA	CON %	06/29/2014	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ABUTH	CON %	06/29/2014	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	PHBPU	CON %	06/29/2014	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	XANST	CON %	06/29/2014	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = NK 70J-3011A