

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
PH: 6.6
%OM: 3.5
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	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQUID MI	LIQUID MI	LIQUID MI	
APPLICATION DATE	05/15/17	06/08/17	06/16/17	AME
TIME - BEGIN	16:30	11:15	08:10	24H
TIME - END	16:45	11:30	08:15	24H
AIR TEMPERATURE	87	84	79	F
% REL.HUMIDITY	40	34	60	
WIND DIRECTION	SOUTH	NORTH	NORTHWEST	
WIND SPEED	8.0	6.0	1.0	M/H
CLOUD COVER	HAZY SUN-	CLEAR-0%	CLEAR-0%	
DEW	TO BE SEL	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	TO BE SEL	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	77/4.00	75/4.00	74/4.00	F/IN
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION				
NOZZLE VOLUME	0.00	0.00	0.00	GPM
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SCREEN SIZE				
SCREEN SZ DESC	NA	NA	NA	
SWATH WIDTH	7.5	7.5	7.5	FT
BOOM HEIGHT	20.0	20.0	20.0	IN
SPEED	3.00	3.00	3.00	M/H
MIX SIZE	0.330	0.330	0.330	
MIX SIZE UNIT	GAL	GAL	GAL	
SPRAY VOLUME	20.00	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT	TO BE SEL	TO BE SEL	TO BE SEL	
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	DEN / STG MIN / MAX	
CROP *				
P, CORN, DENT G10T63-3122 E-Z (PLANTED) 05/15/2017		---/14 6.00/6.00 24 DAP	---/16 / 32 DAP	IN
PEST *				
P, MORNINGGLORY, TA		---/12 0.50/2.00	---/14 2.00/3.00	IN
P, FOXTAIL, GIANT		---/14 1.00/2.00	---/16 2.00/3.00	IN

* TIMING CODES

09 = --- / PREEMERGENCE

* TIMING CODES

11 = --- / EPOST
12 = --- / POST

* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4 LEAVES UNFOLDED
14 = 4 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6 LEAVES UNFOLDED
16 = 6 LEAVES UNFOLDED

**TRIAL # US 156/17/01 002 02 : UCSYNSEQ AS-300
DATA MEAN**

TITLE: Grass Control with Split Application of Acuron in RR/LL Corn. AS-300
CREATED: 04/21/2017 **REVISED:** 03/20/2018 **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	PHBPU	ZEAMD	SETFA	PHBPU
		RATE	UNIT	TM	CON % 06/05/17	CON % 06/05/17	CON % 06/05/17	CON % 06/15/17	CON % 06/15/17	CON % 06/15/17
1A»	ACURON 3.44 ZC	2.58	LAA	11	0	0	0	0	76	93
B»	ACTIVATOR 90	0.25	PMV	11						
2A»	ACURON 3.44 ZC	1.08	LAA	9	0	92	83	0	97	98
B»	ACURON 3.44 ZC	1.51	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
3A»	ACURON 3.44 ZC	1.29	LAA	9	0	98	91	0	98	99
B»	ACURON 3.44 ZC	1.29	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
4A»	ACURON 3.44 ZC	1.72	LAA	9	0	99	96	0	95	99
B»	ACURON 3.44 ZC	0.86	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
6A»	ACURON 3.44 ZC	1.29	LAA	9	0	99	93	0	92	94
B»	ACURON 3.44 ZC	1.29	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
7A»	ACURON 3.44 ZC	1.08	LAA	9	0	99	97	0	90	92
B»	ACURON 3.44 ZC	1.51	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
8A»	ACURON 3.44 ZC	1.72	LAA	9	0	99	97	0	99	93
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
LSD (0.05)					0.0	4.0	5.9	0.0	6.2	3.5
STANDARD DEVIATION					0.0	1.9	2.7	0.0	2.9	1.6

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REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	PHBPU	ZEAMD	SETFA	PHBPU
		RATE	UNIT	TM	CON % 06/22/17	CON % 06/22/17	CON % 06/22/17	CON % 06/30/17	CON % 06/30/17	CON % 06/30/17
1A»	ACURON 3.44 ZC	2.58	LAA	11	0	70	95	0	67	85
B»	ACTIVATOR 90	0.25	PMV	11						
2A»	ACURON 3.44 ZC	1.08	LAA	9	0	99	99	0	98	99
B»	ACURON 3.44 ZC	1.51	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
3A»	ACURON 3.44 ZC	1.29	LAA	9	0	99	98	0	97	97
B»	ACURON 3.44 ZC	1.29	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
4A»	ACURON 3.44 ZC	1.72	LAA	9	0	96	98	0	95	96
B»	ACURON 3.44 ZC	0.86	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
6A»	ACURON 3.44 ZC	1.29	LAA	9	0	93	99	0	92	98
B»	ACURON 3.44 ZC	1.29	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
7A»	ACURON 3.44 ZC	1.08	LAA	9	0	92	99	0	94	98
B»	ACURON 3.44 ZC	1.51	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
8A»	ACURON 3.44 ZC	1.72	LAA	9	0	99	98	0	99	98
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
LSD (0.05)					0.0	4.8	1.4	0.0	5.7	8.8
STANDARD DEVIATION					0.0	2.2	0.6	0.0	2.7	4.1

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PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	PHBPU	ZEAMD	SETFA	PHBPU
		RATE	UNIT	TM	CON % 07/06/17	CON % 07/06/17	CON % 07/06/17	CON % 07/12/17	CON % 07/12/17	CON % 07/12/17
1A»	ACURON 3.44 ZC	2.58	LAA	11	0	68	84	C	C	C
B»	ACTIVATOR 90	0.25	PMV	11						
2A»	ACURON 3.44 ZC	1.08	LAA	9	0	97	99	C	C	C
B»	ACURON 3.44 ZC	1.51	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
3A»	ACURON 3.44 ZC	1.29	LAA	9	0	97	99	C	C	C
B»	ACURON 3.44 ZC	1.29	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
4A»	ACURON 3.44 ZC	1.72	LAA	9	0	95	96	C	C	C
B»	ACURON 3.44 ZC	0.86	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
6A»	ACURON 3.44 ZC	1.29	LAA	9	0	91	99	0	90	99
B»	ACURON 3.44 ZC	1.29	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
7A»	ACURON 3.44 ZC	1.08	LAA	9	0	91	99	0	88	97
B»	ACURON 3.44 ZC	1.51	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
8A»	ACURON 3.44 ZC	1.72	LAA	9	0	99	97	0	98	96
B»	RNDUP POWERMAX	1.125	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
LSD (0.05)					0.0	7.2	3.9	0.0	7.9	1.5
STANDARD DEVIATION					0.0	3.3	1.8	0.0	3.7	0.7

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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	ZEAMD		
NUM	COMPONENT	RATE	UNIT	TM	CON %
					10/09/17
1A»	ACURON 3.44 ZC	2.58	LAA	11	231
B»	ACTIVATOR 90	0.25	PMV	11	
2A»	ACURON 3.44 ZC	1.08	LAA	9	237
B»	ACURON 3.44 ZC	1.51	LAA	11	
C»	ACTIVATOR 90	0.25	PMV	11	
3A»	ACURON 3.44 ZC	1.29	LAA	9	225
B»	ACURON 3.44 ZC	1.29	LAA	11	
C»	ACTIVATOR 90	0.25	PMV	11	
4A»	ACURON 3.44 ZC	1.72	LAA	9	226
B»	ACURON 3.44 ZC	0.86	LAA	11	
C»	ACTIVATOR 90	0.25	PMV	11	
5A	CHECK	0.00	NA	0	185
6A»	ACURON 3.44 ZC	1.29	LAA	9	232
B»	ACURON 3.44 ZC	1.29	LAA	12	
C»	ACTIVATOR 90	0.25	PMV	12	
7A»	ACURON 3.44 ZC	1.08	LAA	9	231
B»	ACURON 3.44 ZC	1.51	LAA	12	
C»	ACTIVATOR 90	0.25	PMV	12	
8A»	ACURON 3.44 ZC	1.72	LAA	9	236
B»	RNDUP POWERMAX	1.125	LAA	12	
C»	LIQUID AMS	2.50	PMV	12	
LSD (0.05)					24.3
STANDARD DEVIATION					11.3

» = SUPPLEMENTAL CHEMICAL ---,M,C,D = MISSING DATA

* TIMING CODES

00 = --- / UNTREATED TIMING
 09 = --- / PREEMERGENCE 05/15/2017(1)
 11 = --- / EPOST 06/08/2017(2)
 12 = --- / POST 06/16/2017(3)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	ZEAMD	CON %	06/05/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/05/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	PHBPU	CON %	06/05/2017	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ZEAMD	CON %	06/15/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	SETFA	CON %	06/15/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/15/2017	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	06/22/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/22/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	PHBPU	CON %	06/22/2017	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ZEAMD	CON %	06/30/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	SETFA	CON %	06/30/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/30/2017	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD	CON %	07/06/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	07/06/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	PHBPU	CON %	07/06/2017	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	ZEAMD	CON %	07/12/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	SETFA	CON %	07/12/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	07/12/2017	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ZEAMD	CON %	10/09/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = G10T63-3122 E-Z