APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.1
%OM: 3.6
PREV.CROP: ZEAMD - Dent corn
%RESIDUE: 0
PLOT WIDTH: 7.5 X 30 FEET
PLOT AREA: 225 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQUID MI	LIQUID MI	
APPLICATION DATE	06/06/19	07/08/19	AME
TIME - BEGIN	13:55	15:20	24H
TIME - END	14:20	15:45	24H
AIR TEMPERATURE	89	83	F
% REL.HUMIDITY	48	63	
WIND DIRECTION	EAST	EAST	
WIND SPEED	4.0	4.0	M/H
CLOUD COVER	PAR.CLOUD	PAR.CLOUD	
DEW	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	81/4.00	81/4.00	F/IN
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION			
NOZZLE VOLUME	0.00	0.00	GPM
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SCREEN SIZE			
SCREEN SZ DESC	N/A	N/A	
SWATH WIDTH	7.5	7.5	FT
BOOM HEIGHT	20.0	20.0	IN
SPEED	3.00	3.00	M/H
MIX SIZE	0.330	0.330	
MIX SIZE UNIT	GAL	GAL	
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	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	
CROP *			
P, Soybean		---/16	
CZ 3601LL		11.0/11.0	IN
(PLANTED) 06/06/2019		32 DAP	
PEST *			
P, Waterhemp, commo		---/19 1.00/12.0	IN
P, Tall morning glo		---/16 2.00/8.00	IN
P, Giant foxtail		---/17 2.00/16.0	IN

*** TIMING CODES**
09 = --- / PREEMERGENCE
12 = --- / POST

*** STAGE CODE**
16 = TRIFOLIOLATE LEAF ON THE 6TH NODE UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7 LEAVES UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

DATA MEAN

TITLE: Weed Control Systems in Libery-Link Soybean. Lo
CREATED: 04/16/2019 **REVISED:** 11/12/2019 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:**
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 RATE	UNIT	TM	GLXMA CON % 07/08/19	AMATA CON % 07/08/19	PHBPU CON % 07/08/19	SETFA CON % 07/08/19	GLXMA CON % 07/18/19	AMATA CON % 07/18/19
1A	»FIERCEMTZ 2.64	0.33	LAA	9	0	88	60	89	0	98
B	»SCOUT 2.34SL	0.59	LAA	12						
C	»LIQUID AMS	5.00	PMV	12						
2A	»FIERCE EZ 3.04	0.14	LAA	9	0	89	75	92	2	98
B	»SCOUT 2.34SL	0.59	LAA	12						
C	»LIQUID AMS	5.00	PMV	12						
D	»V-10440 2.3SC	0.108	LAA	12						
3A	»ZIDUA PRO 4.09	0.192	LAA	9	0	86	75	90	0	97
B	»LIBERTY 2.34L	0.59	LAA	12						
C	OUTLOOK 6EC	0.47	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
4A	»PANTHER PRO 4.	0.49	LAA	9	0	96	72	83	0	99
B	»CHEETAH 2.34L	0.59	LAA	12						
C	»WARRANT 3L	1.125	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
5A	»AQUAPEN 3.8L	0.95	LAA	9	0	96	65	82	0	98
B	»ME-TRY-BUZIN 4	0.50	LAA	9						
C	»LIBERTY 2.34L	0.59	LAA	12						
D	»ME-TOO-LCHLR I	0.975	LAA	12						
E	»AMS ALL	2.50	PMV	12						
6A	»ME-TOO-LACHLOR	1.625	LAA	9	0	83	63	93	14	98
B	»LIBERTY 2.34L	0.59	LAA	12						
C	»FOMA 1.88L	0.294	LAA	12						
D	»AMS ALL	2.50	PMV	12						
7A	»MOCCASIN MTZ 4	1.47	LAA	9	0	96	72	98	1	99
B	»INTERLINE 2.34	0.79	LAA	12						
C	»MOCCASIN II PL	1.24	LAA	12						
D	»LIQUID AMS	5.00	PMV	12						
8A	»SHUTDOWN 4.16L	0.25	LAA	9	0	88	53	70	1	99
B	»TRICOR 75DF	0.375	LAA	9						
C	»INTERLINE 2.34	0.79	LAA	12						
D	»MOCCASIN II PL	1.24	LAA	12						
E	»LIQUID AMS	5.00	PMV	12						
9A	»ZONE ELITE 7EC	1.37	LAA	9	0	80	73	95	11	97
B	»LIBERTY 2.34L	0.59	LAA	12						
C	»HELMET 7.8EC	0.98	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				0.0	11.7	25.0	12.8	1.2	32.6
	STANDARD DEVIATION				0.0	5.5	11.9	6.1	0.6	15.4

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PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	PHBPU CON % 07/18/19	SETFA CON % 07/18/19	GLXMA CON % 08/07/19	AMATA CON % 08/07/19	PHBPU CON % 08/07/19	SETFA CON % 08/07/19
1A	»FIERCEMTZ 2.64	0.33	LAA	9	94	98	0	99	87	99
B	»SCOUT 2.34SL	0.59	LAA	12						
C	»LIQUID AMS	5.00	PMV	12						
2A	»FIERCE EZ 3.04	0.14	LAA	9	96	98	0	99	96	98
B	»SCOUT 2.34SL	0.59	LAA	12						
C	»LIQUID AMS	5.00	PMV	12						
D	»V-10440 2.3SC	0.108	LAA	12						
3A	»ZIDUA PRO 4.09	0.192	LAA	9	95	99	0	96	95	99
B	»LIBERTY 2.34L	0.59	LAA	12						
C	OUTLOOK 6EC	0.47	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
4A	»PANTHER PRO 4.	0.49	LAA	9	95	97	0	99	93	99
B	»CHEETAH 2.34L	0.59	LAA	12						
C	»WARRANT 3L	1.125	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
5A	»AQUAPEN 3.8L	0.95	LAA	9	95	98	0	98	92	99
B	»ME-TRY-BUZIN 4	0.50	LAA	9						
C	»LIBERTY 2.34L	0.59	LAA	12						
D	»ME-TOO-LCHLR I	0.975	LAA	12						
E	»AMS ALL	2.50	PMV	12						
6A	»ME-TOO-LACHLOR	1.625	LAA	9	96	98	0	96	90	97
B	»LIBERTY 2.34L	0.59	LAA	12						
C	»FOMA 1.88L	0.294	LAA	12						
D	»AMS ALL	2.50	PMV	12						
7A	»MOCCASIN MTZ 4	1.47	LAA	9	96	99	0	99	93	99
B	»INTERLINE 2.34	0.79	LAA	12						
C	»MOCCASIN II PL	1.24	LAA	12						
D	»LIQUID AMS	5.00	PMV	12						
8A	»SHUTDOWN 4.16L	0.25	LAA	9	95	98	0	99	95	99
B	»TRICOR 75DF	0.375	LAA	9						
C	»INTERLINE 2.34	0.79	LAA	12						
D	»MOCCASIN II PL	1.24	LAA	12						
E	»LIQUID AMS	5.00	PMV	12						
9A	»ZONE ELITE 7EC	1.37	LAA	9	96	99	0	99	94	99
B	»LIBERTY 2.34L	0.59	LAA	12						
C	»HELMET 7.8EC	0.98	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				30.7	31.6	0.0	32.4	31.1	32.1
	STANDARD DEVIATION				14.6	15.0	0.0	15.3	14.7	15.2

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LOCATION: Urbana **RESEARCHED BY:**
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 RATE	UNIT	TM	YIELD BU/A 11/05/19
1A	»FIERCEMTZ 2.64	0.33	LAA	9	81.3
B	»SCOUT 2.34SL	0.59	LAA	12	
C	»LIQUID AMS	5.00	PMV	12	
2A	»FIERCE EZ 3.04	0.14	LAA	9	77.3
B	»SCOUT 2.34SL	0.59	LAA	12	
C	»LIQUID AMS	5.00	PMV	12	
D	»V-10440 2.3SC	0.108	LAA	12	
3A	»ZIDUA PRO 4.09	0.192	LAA	9	81.7
B	»LIBERTY 2.34L	0.59	LAA	12	
C	OUTLOOK 6EC	0.47	LAA	12	
D	»LIQUID AMS	2.50	PMV	12	
4A	»PANTHER PRO 4.	0.49	LAA	9	76.0
B	»CHEETAH 2.34L	0.59	LAA	12	
C	»WARRANT 3L	1.125	LAA	12	
D	»LIQUID AMS	2.50	PMV	12	
5A	»AQUAPEN 3.8L	0.95	LAA	9	80.2
B	»ME-TRY-BUZIN 4	0.50	LAA	9	
C	»LIBERTY 2.34L	0.59	LAA	12	
D	»ME-TOO-LCHLR I	0.975	LAA	12	
E	»AMS ALL	2.50	PMV	12	
6A	»ME-TOO-LACHLOR	1.625	LAA	9	79.2
B	»LIBERTY 2.34L	0.59	LAA	12	
C	»FOMA 1.88L	0.294	LAA	12	
D	»AMS ALL	2.50	PMV	12	
7A	»MOCCASIN MTZ 4	1.47	LAA	9	78.0
B	»INTERLINE 2.34	0.79	LAA	12	
C	»MOCCASIN II PL	1.24	LAA	12	
D	»LIQUID AMS	5.00	PMV	12	
8A	»SHUTDOWN 4.16L	0.25	LAA	9	83.5
B	»TRICOR 75DF	0.375	LAA	9	
C	»INTERLINE 2.34	0.79	LAA	12	
D	»MOCCASIN II PL	1.24	LAA	12	
E	»LIQUID AMS	5.00	PMV	12	
9A	»ZONE ELITE 7EC	1.37	LAA	9	76.4
B	»LIBERTY 2.34L	0.59	LAA	12	
C	»HELMET 7.8EC	0.98	LAA	12	
D	»LIQUID AMS	2.50	PMV	12	
10A	CHECK	0.00	NA	0	53.9
		LSD (0.05)			6.87
		STANDARD DEVIATION			3.27

» **= SUPPLEMENTAL CHEMICAL**

*** TIMING CODES**
00 = --- / UNTREATED TIMING
09 = --- / PREEMERGENCE 06/06/2019(1)
12 = --- / POST 07/08/2019(2)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	GLXMA	CON %	07/08/2019	01	P	GLXMA	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMATA	CON %	07/08/2019	02	P	AMATA	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	PHBPU	CON %	07/08/2019	03	P	PHBPU	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	SETFA	CON %	07/08/2019	04	P	SETFA	17	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Weed Control Systems in Libery-Link Soybean. Lo

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
005	GLXMA	CON %	07/18/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMATA	CON %	07/18/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	07/18/2019	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	07/18/2019	04	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	GLXMA	CON %	08/07/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	08/07/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	PHBPU	CON %	08/07/2019	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	08/07/2019	04	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	YIELD	BU/A	11/05/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

*** SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)**
01 = CZ 3601LL

*** STAGE CODE**
16 = TRIFOLIOLATE LEAF ON THE 6TH NODE UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7 LEAVES UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED