APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.2
%OM: 5.6
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	04/25/19	06/12/19	AME
TIME - BEGIN	11:50	14:40	24H
TIME - END	12:05	14:50	24H
AIR TEMPERATURE	66	81	F
% REL.HUMIDITY	60	35	
WIND DIRECTION	NORTHEAST	WEST	
WIND SPEED	2.0	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	52/4.00	74/4.00	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		---/13	
CZ 3601LL		6.00/6.00	IN
(PLANTED) 06/12/2019		0 DAP	
PEST *			
P, Velvetleaf		---/16	
		3.00/6.00	IN
P, Lambsquarters, c		---/19	
		2.00/6.00	IN
P, Morningglory, iv		---/17	
		2.00/4.00	IN

*** CONTINUE

SPECIE AND STAGE	DEN / STG MIN / MAX	DEN / STG MIN / MAX	
PEST *			
P, Giant foxtail		---/14 3.00/6.00	IN

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

*** STAGE CODE**
13 = TRIFOLIOLATE LEAF ON THE 3RD NODE UNFOLDED
14 = 4 LEAVES UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Weed Control Systems in Libery-Link Soybean. Monmouth
CREATED: 04/24/2019 **REVISED:** 11/12/2019 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: MONMOUTH **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 RATE	UNIT	TM	GLXMA CON % 05/31/19	SETFA CON % 05/31/19	CHEAL CON % 05/31/19	ABUTH CON % 05/31/19	IPOHE CON % 05/31/19	GLXMA CON % 06/21/19
1A	»FIERCEMTZ 2.64	0.33	LAA	9	0	98	99	96	92	0
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	99	99	95	95	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	0	96	99	85	85	0
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	95	98	93	90	0
B	»CHEETAH 2.34L	0.59	LAA	12						
C	»WARRANT 3L	1.125	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
5A	»MOCCASIN MTZ 4	1.47	LAA	9	0	99	99	87	87	0
B	»INTERLINE 2.34	0.79	LAA	12						
C	»MOCCASIN II PL	1.24	LAA	12						
D	»LIQUID AMS	5.00	PMV	12						
6A	»SHUTDOWN 4.16L	0.25	LAA	9	0	96	98	88	87	0
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						
7A	»ZONE ELITE 7EC	1.37	LAA	9	0	92	99	80	83	0
B	»LIBERTY 2.34L	0.59	LAA	12						
C	»HELMET 7.8EC	0.98	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				0.0	2.5	1.9	12.7	9.7	2.2
	STANDARD DEVIATION				0.0	1.2	0.9	5.9	4.5	1.0

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LOCATION: MONMOUTH **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 RATE	UNIT	TM	SETFA CON % 06/21/19	CHEAL CON % 06/21/19	ABUTH CON % 06/21/19	IPOHE CON % 06/21/19	GLXMA CON % 07/08/19	SETFA CON % 07/08/19
1A	»FIERCEMTZ 2.64	0.33	LAA	9	99	99	99	92	0	90
B	»SCOUT 2.34SL	0.59	LAA	12						
C	»LIQUID AMS	5.00	PMV	12						
2A	»FIERCE EZ 3.04	0.14	LAA	9	99	99	98	90	0	99
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	99	98	94	85	0	98
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	99	98	95	88	0	93
B	»CHEETAH 2.34L	0.59	LAA	12						
C	»WARRANT 3L	1.125	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
5A	»MOCCASIN MTZ 4	1.47	LAA	9	99	96	93	92	0	99
B	»INTERLINE 2.34	0.79	LAA	12						
C	»MOCCASIN II PL	1.24	LAA	12						
D	»LIQUID AMS	5.00	PMV	12						
6A	»SHUTDOWN 4.16L	0.25	LAA	9	99	99	96	96	0	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						
7A	»ZONE ELITE 7EC	1.37	LAA	9	99	98	91	88	0	95
B	»LIBERTY 2.34L	0.59	LAA	12						
C	»HELMET 7.8EC	0.98	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				0.0	2.2	5.8	6.5	0.0	8.2
	STANDARD DEVIATION				0.0	1.0	2.7	3.0	0.0	3.8

DATA MEAN

TITLE: Weed Control Systems in Libery-Link Soybean. Monmouth
CREATED: 04/24/2019 **REVISED:** 11/12/2019 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: MONMOUTH **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 RATE	UNIT	TM	CHEAL CON % 07/08/19	ABUTH CON % 07/08/19	IPOHE CON % 07/08/19	GLXMA CON % 08/07/19	SETFA CON % 08/07/19	CHEAL CON % 08/07/19
1A	»FIERCEMTZ 2.64	0.33	LAA	9	95	86	58	0	86	95
B	»SCOUT 2.34SL	0.59	LAA	12						
C	»LIQUID AMS	5.00	PMV	12						
2A	»FIERCE EZ 3.04	0.14	LAA	9	94	95	75	0	99	96
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	91	88	65	0	95	96
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	85	65	0	90	96
B	»CHEETAH 2.34L	0.59	LAA	12						
C	»WARRANT 3L	1.125	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
5A	»MOCCASIN MTZ 4	1.47	LAA	9	82	77	75	0	98	81
B	»INTERLINE 2.34	0.79	LAA	12						
C	»MOCCASIN II PL	1.24	LAA	12						
D	»LIQUID AMS	5.00	PMV	12						
6A	»SHUTDOWN 4.16L	0.25	LAA	9	98	75	83	0	98	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						
7A	»ZONE ELITE 7EC	1.37	LAA	9	98	63	70	0	96	98
B	»LIBERTY 2.34L	0.59	LAA	12						
C	»HELMET 7.8EC	0.98	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				8.0	14.8	23.9	0.0	11.8	13.0
	STANDARD DEVIATION				3.7	6.9	11.1	0.0	5.5	6.1

TITLE: Weed Control Systems in Libery-Link Soybean. Monmouth
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PROJECT TYPE: HERBICIDE
LOCATION: MONMOUTH **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 RATE	UNIT	TM	ABUTH CON % 08/07/19	IPOHE CON % 08/07/19	YIELD BU/A 10/24/19
1A	»FIERCEMTZ 2.64	0.33	LAA	9	83	62	55.4
B	»SCOUT 2.34SL	0.59	LAA	12			
C	»LIQUID AMS	5.00	PMV	12			
2A	»FIERCE EZ 3.04	0.14	LAA	9	90	73	57.8
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	85	68	56.8
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	87	75	58.4
B	»CHEETAH 2.34L	0.59	LAA	12			
C	»WARRANT 3L	1.125	LAA	12			
D	»LIQUID AMS	2.50	PMV	12			
5A	»MOCCASIN MTZ 4	1.47	LAA	9	67	83	57.9
B	»INTERLINE 2.34	0.79	LAA	12			
C	»MOCCASIN II PL	1.24	LAA	12			
D	»LIQUID AMS	5.00	PMV	12			
6A	»SHUTDOWN 4.16L	0.25	LAA	9	62	78	60.9
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			
7A	»ZONE ELITE 7EC	1.37	LAA	9	47	67	56.8
B	»LIBERTY 2.34L	0.59	LAA	12			
C	»HELMET 7.8EC	0.98	LAA	12			
D	»LIQUID AMS	2.50	PMV	12			
8A	CHECK	0.00	NA	0	0	0	9.9
	LSD (0.05)				23.7	20.1	7.52
	STANDARD DEVIATION				11.0	9.4	3.51

» **= SUPPLEMENTAL CHEMICAL**

*** TIMING CODES**
00 = --- / UNTREATED TIMING
09 = --- / PREEMERGENCE 04/25/2019(1)
12 = --- / POST 06/12/2019(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 %	05/31/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/31/2019	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/31/2019	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	05/31/2019	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	IPOHE	CON %	05/31/2019	05	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	06/21/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/21/2019	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	CHEAL	CON %	06/21/2019	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	06/21/2019	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	IPOHE	CON %	06/21/2019	05	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	GLXMA	CON %	07/08/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	07/08/2019	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	CHEAL	CON %	07/08/2019	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	CON %	07/08/2019	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	IPOHE	CON %	07/08/2019	05	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
016	GLXMA	CON %	08/07/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	SETFA	CON %	08/07/2019	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	CHEAL	CON %	08/07/2019	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ABUTH	CON %	08/07/2019	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	IPOHE	CON %	08/07/2019	05	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	YIELD	BU/A	10/24/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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