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	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQUID MI	LIQUID MI	LIQUID MI	
APPLICATION DATE	06/06/19	07/06/19	07/23/19	AME
TIME - BEGIN	14:30	13:20	09:55	24H
TIME - END	14:45	13:30	10:00	24H
AIR TEMPERATURE	89	88	77	F
% REL.HUMIDITY	48	68	56	
WIND DIRECTION	EAST	WEST	NORTH	
WIND SPEED	4.0		3.0	M/H
CLOUD COVER	PAR.CLOUD	PAR.CLOUD	CLEAR-0%	
DEW	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	TO BE SEL	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	82/4.00	82/4.00	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	N/A	N/A	N/A	
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, Soybean		---/15	---/64	
CZ 3601LL		10.0/10.0	18.0/18.0	IN
(PLANTED) 06/06/2019		30 DAP	47 DAP	
PEST *				
P, Velvetleaf		---/15	---/18	
		2.00/4.00	4.00/8.00	IN
P, Waterhemp, commo		---/19	---/19	
		3.00/6.00	2.00/10.0	IN
P, Tall morning glo		---/15	---/19	
		2.00/4.00	4.00/6.00	IN

*** CONTINUE

SPECIE AND STAGE	DEN / STG MIN / MAX	DEN / STG MIN / MAX	DEN / STG MIN / MAX	
PEST * P, Giant foxtail		---/15 3.00/6.00	---/17 8.00/8.00	IN

*** TIMING CODES**

09 = --- / PREEMERGENCE
11 = --- / EPOST
12 = --- / POST

*** STAGE CODE**

15 = TRIFOLIOLATE LEAF ON THE 5TH NODE UNFOLDED
15 = 5 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7 LEAVES UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
64 = 40% OF FLOWERS OPEN (DETERMINATE)

DATA MEAN

TITLE: Valent Actives in a Liberty Link System. Lost 40
CREATED: 04/10/2019 **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 % 06/26/19	SETFA CON % 06/26/19	AMATA CON % 06/26/19	ABUTH CON % 06/26/19	PHBPU CON % 06/26/19	GLXMA CON % 07/18/19
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»SCOUT 2.34SL	0.585	LAA	11	0	C	C	C	C	0
B	»LIQUID AMS	2.50	PMV	11						
C	»SCOUT 2.34SL	0.585	LAA	12						
D	SELECT MAX	0.0682	LAA	12						
E	»INDUCE	0.25	PMV	12						
F	»LIQUID AMS	2.50	PMV	12						
3A	»SCOUT 2.34SL	0.585	LAA	11	0	C	C	C	C	2
B	»V-10440 2.3SC	0.1078	LAA	11						
C	»LIQUID AMS	2.50	PMV	11						
D	»SCOUT 2.34SL	0.585	LAA	12						
E	SELECT MAX	0.0682	LAA	12						
F	»INDUCE	0.25	PMV	12						
G	»LIQUID AMS	2.50	PMV	12						
4A	»FIERCE EZ 3.04	0.1425	LAA	9	1	99	99	99	98	0
B	»SCOUT 2.34SL	0.585	LAA	11						
C	SELECT MAX	0.0682	LAA	11						
D	»INDUCE	0.25	PMV	11						
E	»LIQUID AMS	2.50	PMV	11						
5A	»FIERCEMTZ 2.64	0.33	LAA	9	0	99	99	99	95	0
B	»SCOUT 2.34SL	0.585	LAA	11						
C	SELECT MAX	0.0682	LAA	11						
D	»INDUCE	0.25	PMV	11						
E	»LIQUID AMS	2.50	PMV	11						
6A	»FIERCE EZ 3.04	0.1425	LAA	9	1	97	99	98	96	0
B	»SCOUT 2.34SL	0.585	LAA	11						
C	»V-10440 2.3SC	0.1078	LAA	11						
D	SELECT MAX	0.0682	LAA	11						
E	»INDUCE	0.25	PMV	11						
F	»LIQUID AMS	2.50	PMV	11						
7A	»FIERCEMTZ 2.64	0.33	LAA	9	0	98	98	98	96	2
B	»SCOUT 2.34SL	0.585	LAA	11						
C	»V-10440 2.3SC	0.1078	LAA	11						
D	SELECT MAX	0.0682	LAA	11						
E	»INDUCE	0.25	PMV	11						
F	»LIQUID AMS	2.50	PMV	11						
8A	»AUTHORITY MTZ	0.3094	LAA	9	0	70	95	80	83	3
B	»SCOUT 2.34SL	0.585	LAA	11						
C	»ANTHEM MAXX 4.	0.084	LAA	11						
D	SELECT MAX	0.0682	LAA	11						
E	»INDUCE	0.25	PMV	11						
F	»LIQUID AMS	2.50	PMV	11						
9A	»ZIDUA PRO 4.09	0.144	LAA	9	0	92	93	95	87	3
B	»SCOUT 2.34SL	0.585	LAA	11						
C	»V-10440 2.3SC	0.1078	LAA	11						
D	SELECT MAX	0.0682	LAA	11						
E	»INDUCE	0.25	PMV	11						
F	»LIQUID AMS	2.50	PMV	11						
	LSD (0.05)				1.1	5.8	2.2	11.1	8.2	1.5
	STANDARD DEVIATION				0.5	2.7	1.0	5.3	3.9	0.7

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CREATED: 04/10/2019 **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	SETFA CON % 07/18/19	AMATA CON % 07/18/19	ABUTH CON % 07/18/19	PHBPU CON % 07/18/19	GLXMA CON % 08/02/19	SETFA CON % 08/02/19
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»SCOUT 2.34SL	0.585	LAA	11	96	82	99	99	0	98
B	»LIQUID AMS	2.50	PMV	11						
C	»SCOUT 2.34SL	0.585	LAA	12						
D	SELECT MAX	0.0682	LAA	12						
E	»INDUCE	0.25	PMV	12						
F	»LIQUID AMS	2.50	PMV	12						
3A	»SCOUT 2.34SL	0.585	LAA	11	95	82	99	99	0	98
B	»V-10440 2.3SC	0.1078	LAA	11						
C	»LIQUID AMS	2.50	PMV	11						
D	»SCOUT 2.34SL	0.585	LAA	12						
E	SELECT MAX	0.0682	LAA	12						
F	»INDUCE	0.25	PMV	12						
G	»LIQUID AMS	2.50	PMV	12						
4A	»FIERCE EZ 3.04	0.1425	LAA	9	99	99	99	99	0	99
B	»SCOUT 2.34SL	0.585	LAA	11						
C	SELECT MAX	0.0682	LAA	11						
D	»INDUCE	0.25	PMV	11						
E	»LIQUID AMS	2.50	PMV	11						
5A	»FIERCEMTZ 2.64	0.33	LAA	9	99	99	99	97	0	99
B	»SCOUT 2.34SL	0.585	LAA	11						
C	SELECT MAX	0.0682	LAA	11						
D	»INDUCE	0.25	PMV	11						
E	»LIQUID AMS	2.50	PMV	11						
6A	»FIERCE EZ 3.04	0.1425	LAA	9	99	99	99	98	0	99
B	»SCOUT 2.34SL	0.585	LAA	11						
C	»V-10440 2.3SC	0.1078	LAA	11						
D	SELECT MAX	0.0682	LAA	11						
E	»INDUCE	0.25	PMV	11						
F	»LIQUID AMS	2.50	PMV	11						
7A	»FIERCEMTZ 2.64	0.33	LAA	9	99	98	99	99	0	98
B	»SCOUT 2.34SL	0.585	LAA	11						
C	»V-10440 2.3SC	0.1078	LAA	11						
D	SELECT MAX	0.0682	LAA	11						
E	»INDUCE	0.25	PMV	11						
F	»LIQUID AMS	2.50	PMV	11						
8A	»AUTHORITY MTZ	0.3094	LAA	9	97	96	99	98	0	99
B	»SCOUT 2.34SL	0.585	LAA	11						
C	»ANTHEM MAXX 4.	0.084	LAA	11						
D	SELECT MAX	0.0682	LAA	11						
E	»INDUCE	0.25	PMV	11						
F	»LIQUID AMS	2.50	PMV	11						
9A	»ZIDUA PRO 4.09	0.144	LAA	9	99	94	99	98	0	99
B	»SCOUT 2.34SL	0.585	LAA	11						
C	»V-10440 2.3SC	0.1078	LAA	11						
D	SELECT MAX	0.0682	LAA	11						
E	»INDUCE	0.25	PMV	11						
F	»LIQUID AMS	2.50	PMV	11						
	LSD (0.05)				2.0	4.9	0.0	2.1	0.0	1.1
	STANDARD DEVIATION				1.0	2.3	0.0	1.0	0.0	0.5

TITLE: Valent Actives in a Liberty Link System. Lost 40
CREATED: 04/10/2019 **REVISED:** 11/12/2019 **COMPLETED:** N
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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	AMATA CON % 08/02/19	ABUTH CON % 08/02/19	PHBPU CON % 08/02/19	YIELD BU/A 11/06/19
1A	CHECK	0.00	NA	0	0	0	0	67.4
2A	»SCOUT 2.34SL	0.585	LAA	11	98	99	99	86.9
B	»LIQUID AMS	2.50	PMV	11				
C	»SCOUT 2.34SL	0.585	LAA	12				
D	SELECT MAX	0.0682	LAA	12				
E	»INDUCE	0.25	PMV	12				
F	»LIQUID AMS	2.50	PMV	12				
3A	»SCOUT 2.34SL	0.585	LAA	11	98	99	99	87.7
B	»V-10440 2.3SC	0.1078	LAA	11				
C	»LIQUID AMS	2.50	PMV	11				
D	»SCOUT 2.34SL	0.585	LAA	12				
E	SELECT MAX	0.0682	LAA	12				
F	»INDUCE	0.25	PMV	12				
G	»LIQUID AMS	2.50	PMV	12				
4A	»FIERCE EZ 3.04	0.1425	LAA	9	99	99	99	87.9
B	»SCOUT 2.34SL	0.585	LAA	11				
C	SELECT MAX	0.0682	LAA	11				
D	»INDUCE	0.25	PMV	11				
E	»LIQUID AMS	2.50	PMV	11				
5A	»FIERCEMTZ 2.64	0.33	LAA	9	99	99	97	87.3
B	»SCOUT 2.34SL	0.585	LAA	11				
C	SELECT MAX	0.0682	LAA	11				
D	»INDUCE	0.25	PMV	11				
E	»LIQUID AMS	2.50	PMV	11				
6A	»FIERCE EZ 3.04	0.1425	LAA	9	99	99	99	87.1
B	»SCOUT 2.34SL	0.585	LAA	11				
C	»V-10440 2.3SC	0.1078	LAA	11				
D	SELECT MAX	0.0682	LAA	11				
E	»INDUCE	0.25	PMV	11				
F	»LIQUID AMS	2.50	PMV	11				
7A	»FIERCEMTZ 2.64	0.33	LAA	9	99	99	99	86.3
B	»SCOUT 2.34SL	0.585	LAA	11				
C	»V-10440 2.3SC	0.1078	LAA	11				
D	SELECT MAX	0.0682	LAA	11				
E	»INDUCE	0.25	PMV	11				
F	»LIQUID AMS	2.50	PMV	11				
8A	»AUTHORITY MTZ	0.3094	LAA	9	99	99	99	88.7
B	»SCOUT 2.34SL	0.585	LAA	11				
C	»ANTHEM MAXX 4.	0.084	LAA	11				
D	SELECT MAX	0.0682	LAA	11				
E	»INDUCE	0.25	PMV	11				
F	»LIQUID AMS	2.50	PMV	11				
9A	»ZIDUA PRO 4.09	0.144	LAA	9	92	99	98	85.2
B	»SCOUT 2.34SL	0.585	LAA	11				
C	»V-10440 2.3SC	0.1078	LAA	11				
D	SELECT MAX	0.0682	LAA	11				
E	»INDUCE	0.25	PMV	11				
F	»LIQUID AMS	2.50	PMV	11				
	LSD (0.05)				1.5	0.0	1.8	11.58
	STANDARD DEVIATION				0.7	0.0	0.9	5.46

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

*** TIMING CODES**
00 = --- / UNTREATED TIMING
09 = --- / PREEMERGENCE 06/06/2019(1)
11 = --- / EPOST 07/06/2019(2)

*** TIMING CODES**
12 = --- / POST 07/23/2019(3)

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 %	06/26/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/26/2019	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	06/26/2019	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/26/2019	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	06/26/2019	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	07/18/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	07/18/2019	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMATA	CON %	07/18/2019	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	07/18/2019	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	07/18/2019	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	GLXMA	CON %	08/02/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	08/02/2019	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMATA	CON %	08/02/2019	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	CON %	08/02/2019	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	PHBPU	CON %	08/02/2019	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	YIELD	BU/A	11/06/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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