APPLICATIONS

SOIL INFORMATION

TEXTURE: N/A
PH: 6.0
%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	13	
TYPE	LIQUID MI	LIQUID MI	LIQUID MI	
APPLICATION DATE	06/08/20	06/24/20	07/10/20	AME
TIME - BEGIN	11:30	14:00	10:25	24H
TIME - END	12:15	14:16	10:30	24H
AIR TEMPERATURE	87	76	80	F
% REL.HUMIDITY	42	43	58	
WIND DIRECTION	SOUTHEAST	NORTHWEST	NORTHWEST	
WIND SPEED	7.0	4.5	7.0	M/H
CLOUD COVER	CLEAR-0%	PAR.CLOUD	CLEAR-0%	
DEW	TO BE SEL	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/ DRY	
SOIL CONDITION	TO BE SEL	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	82/4.00	83/4.00	81/4.00	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		---/13	---/17	
WASHINGTON 2038L		4.00/5.00	11.0/11.0	IN
(PLANTED) 06/03/2020		21 DAP	37 DAP	
PEST *				
P, Amaranth, Palmer		---/17	---/18	
		1.00/3.00	1.00/12.0	IN
P, Tall morning glo		---/12	---/12	
		1.00/2.00	1.00/2.00	IN
P, Giant foxtail		---/13		
		1.00/4.00		IN

*** TIMING CODES**
09 = --- / PREEMERGENCE
11 = --- / EPOST
13 = --- / LPOST

*** STAGE CODE**
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = TRIFOLIOLATE LEAF ON THE 3RD NODE UNFOLDED
13 = 3 LEAVES UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = TRIFOLIOLATE LEAF ON THE 7TH NODE UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

DATA MEAN

TITLE: Valent Actives in a Liberty Link System. M-9 200
CREATED: 04/28/2020 **REVISED:** 10/20/2020 **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 RATE	UNIT	TM	GLXMA CON % 06/29/20	SETFA CON % 06/29/20	AMAPA CON % 06/29/20	PHBPU CON % 06/29/20	GLXMA CON % 07/20/20	SETFA CON % 07/20/20
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»SCOUT 2.34SL	32.00	ZMA	11	5	98	97	98	0	97
B	»LIQUID AMS	2.50	PMV	11						
C	»SCOUT 2.34SL	32.00	ZMA	13						
D	»INDUCE	0.25	PMV	13						
E	»LIQUID AMS	2.50	PMV	13						
3A	»SCOUT 2.34SL	32.00	ZMA	11	13	96	97	98	0	99
B	»PERPETUO 2.3L	6.00	ZMA	11						
C	»LIQUID AMS	2.50	PMV	11						
D	»SCOUT 2.34SL	32.00	ZMA	13						
E	»INDUCE	0.25	PMV	13						
F	»LIQUID AMS	2.50	PMV	13						
4A	»FIERCE EZ 3.04	6.00	ZMA	9	20	99	99	98	0	98
B	»SCOUT 2.34SL	32.00	ZMA	11						
C	»INDUCE	0.25	PMV	11						
D	»LIQUID AMS	2.50	PMV	11						
5A	»FIERCEMTZ 2.64	16.00	ZMA	9	22	98	99	98	0	99
B	»SCOUT 2.34SL	32.00	ZMA	11						
C	»INDUCE	0.25	PMV	11						
D	»LIQUID AMS	2.50	PMV	11						
6A	»FIERCE EZ 3.04	6.00	ZMA	9	22	99	99	98	0	99
B	»SCOUT 2.34SL	32.00	ZMA	11						
C	»PERPETUO 2.3L	6.00	ZMA	11						
D	»INDUCE	0.25	PMV	11						
E	»LIQUID AMS	2.50	PMV	11						
7A	»FIERCEMTZ 2.64	16.00	ZMA	9	27	99	99	99	0	98
B	»SCOUT 2.34SL	32.00	ZMA	11						
C	»PERPETUO 2.3L	6.00	ZMA	11						
D	»INDUCE	0.25	PMV	11						
E	»LIQUID AMS	2.50	PMV	11						
8A	»AUTHORITY MTZ	11.00	OMA	9	10	98	99	99	0	99
B	»SCOUT 2.34SL	32.00	ZMA	11						
C	»ANTHEM MAXX 4.	2.50	ZMA	11						
D	»INDUCE	0.25	PMV	11						
E	»LIQUID AMS	2.50	PMV	11						
9A	»ZIDUA PRO 4.09	4.50	ZMA	9	10	98	99	99	0	97
B	»SCOUT 2.34SL	32.00	ZMA	11						
C	»PERPETUO 2.3L	6.00	ZMA	11						
D	»INDUCE	0.25	PMV	11						
E	»LIQUID AMS	2.50	PMV	11						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				7.1	1.4	1.6	1.8	0.0	2.2
	STANDARD DEVIATION				3.4	0.7	0.7	0.9	0.0	1.0

DATA MEAN

TITLE: Valent Actives in a Liberty Link System. M-9 200
CREATED: 04/28/2020 **REVISED:** 10/20/2020 **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 RATE	UNIT	TM	AMAPA CON % 07/20/20	PHBPU CON % 07/20/20	ABUTH CON % 07/20/20	GLXMA CON % 08/03/20	SETFA CON % 08/03/20	AMAPA CON % 08/03/20
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»SCOUT 2.34SL	32.00	ZMA	11	94	98	99	0	97	94
B	»LIQUID AMS	2.50	PMV	11						
C	»SCOUT 2.34SL	32.00	ZMA	13						
D	»INDUCE	0.25	PMV	13						
E	»LIQUID AMS	2.50	PMV	13						
3A	»SCOUT 2.34SL	32.00	ZMA	11	96	97	99	0	99	96
B	»PERPETUO 2.3L	6.00	ZMA	11						
C	»LIQUID AMS	2.50	PMV	11						
D	»SCOUT 2.34SL	32.00	ZMA	13						
E	»INDUCE	0.25	PMV	13						
F	»LIQUID AMS	2.50	PMV	13						
4A	»FIERCE EZ 3.04	6.00	ZMA	9	96	96	99	0	98	96
B	»SCOUT 2.34SL	32.00	ZMA	11						
C	»INDUCE	0.25	PMV	11						
D	»LIQUID AMS	2.50	PMV	11						
5A	»FIERCEMTZ 2.64	16.00	ZMA	9	95	96	99	0	99	95
B	»SCOUT 2.34SL	32.00	ZMA	11						
C	»INDUCE	0.25	PMV	11						
D	»LIQUID AMS	2.50	PMV	11						
6A	»FIERCE EZ 3.04	6.00	ZMA	9	99	96	99	0	99	98
B	»SCOUT 2.34SL	32.00	ZMA	11						
C	»PERPETUO 2.3L	6.00	ZMA	11						
D	»INDUCE	0.25	PMV	11						
E	»LIQUID AMS	2.50	PMV	11						
7A	»FIERCEMTZ 2.64	16.00	ZMA	9	99	95	99	0	98	99
B	»SCOUT 2.34SL	32.00	ZMA	11						
C	»PERPETUO 2.3L	6.00	ZMA	11						
D	»INDUCE	0.25	PMV	11						
E	»LIQUID AMS	2.50	PMV	11						
8A	»AUTHORITY MTZ	11.00	OMA	9	99	97	99	0	99	98
B	»SCOUT 2.34SL	32.00	ZMA	11						
C	»ANTHEM MAXX 4.	2.50	ZMA	11						
D	»INDUCE	0.25	PMV	11						
E	»LIQUID AMS	2.50	PMV	11						
9A	»ZIDUA PRO 4.09	4.50	ZMA	9	99	98	99	0	97	99
B	»SCOUT 2.34SL	32.00	ZMA	11						
C	»PERPETUO 2.3L	6.00	ZMA	11						
D	»INDUCE	0.25	PMV	11						
E	»LIQUID AMS	2.50	PMV	11						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				3.5	3.0	0.3	0.0	2.2	3.4
	STANDARD DEVIATION				1.7	1.4	0.1	0.0	1.0	1.6

DATA MEAN

TITLE: Valent Actives in a Liberty Link System. M-9 200
CREATED: 04/28/2020 **REVISED:** 10/20/2020 **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 RATE	UNIT	TM	PHBPU CON % 08/03/20	ABUTH CON % 08/03/20	YIELD BU/A 10/15/20
1A	CHECK	0.00	NA	0	0	0	12.2
2A	»SCOUT 2.34SL	32.00	ZMA	11	98	99	58.7
B	»LIQUID AMS	2.50	PMV	11			
C	»SCOUT 2.34SL	32.00	ZMA	13			
D	»INDUCE	0.25	PMV	13			
E	»LIQUID AMS	2.50	PMV	13			
3A	»SCOUT 2.34SL	32.00	ZMA	11	97	99	57.8
B	»PERPETUO 2.3L	6.00	ZMA	11			
C	»LIQUID AMS	2.50	PMV	11			
D	»SCOUT 2.34SL	32.00	ZMA	13			
E	»INDUCE	0.25	PMV	13			
F	»LIQUID AMS	2.50	PMV	13			
4A	»FIERCE EZ 3.04	6.00	ZMA	9	96	99	54.2
B	»SCOUT 2.34SL	32.00	ZMA	11			
C	»INDUCE	0.25	PMV	11			
D	»LIQUID AMS	2.50	PMV	11			
5A	»FIERCEMTZ 2.64	16.00	ZMA	9	96	99	56.6
B	»SCOUT 2.34SL	32.00	ZMA	11			
C	»INDUCE	0.25	PMV	11			
D	»LIQUID AMS	2.50	PMV	11			
6A	»FIERCE EZ 3.04	6.00	ZMA	9	96	99	57.4
B	»SCOUT 2.34SL	32.00	ZMA	11			
C	»PERPETUO 2.3L	6.00	ZMA	11			
D	»INDUCE	0.25	PMV	11			
E	»LIQUID AMS	2.50	PMV	11			
7A	»FIERCEMTZ 2.64	16.00	ZMA	9	95	99	57.8
B	»SCOUT 2.34SL	32.00	ZMA	11			
C	»PERPETUO 2.3L	6.00	ZMA	11			
D	»INDUCE	0.25	PMV	11			
E	»LIQUID AMS	2.50	PMV	11			
8A	»AUTHORITY MTZ	11.00	OMA	9	97	99	60.2
B	»SCOUT 2.34SL	32.00	ZMA	11			
C	»ANTHEM MAXX 4.	2.50	ZMA	11			
D	»INDUCE	0.25	PMV	11			
E	»LIQUID AMS	2.50	PMV	11			
9A	»ZIDUA PRO 4.09	4.50	ZMA	9	98	99	62.8
B	»SCOUT 2.34SL	32.00	ZMA	11			
C	»PERPETUO 2.3L	6.00	ZMA	11			
D	»INDUCE	0.25	PMV	11			
E	»LIQUID AMS	2.50	PMV	11			
10A	CHECK	0.00	NA	0	0	0	8.1
	LSD (0.05)				3.0	0.0	13.19
	STANDARD DEVIATION				1.4	0.0	6.28

» **= SUPPLEMENTAL CHEMICAL**

*** TIMING CODES**
00 = --- / UNTREATED TIMING
09 = --- / PREEMERGENCE 06/08/2020(1)
11 = --- / EPOST 06/24/2020(2)
13 = --- / LPOST 07/10/2020(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 %	06/29/2020	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

DATA MEAN

TITLE: Valent Actives in a Liberty Link System. M-9 200

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
002	SETFA	CON %	06/29/2020	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMAPA	CON %	06/29/2020	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	PHBPU	CON %	06/29/2020	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	GLXMA	CON %	07/20/2020	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	SETFA	CON %	07/20/2020	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	AMAPA	CON %	07/20/2020	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	PHBPU	CON %	07/20/2020	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	07/20/2020	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	GLXMA	CON %	08/03/2020	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	SETFA	CON %	08/03/2020	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	AMAPA	CON %	08/03/2020	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	08/03/2020	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	CON %	08/03/2020	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	YIELD	BU/A	10/15/2020	01	P	GLXMA		RAW	ALL	YLD	BU	---	1.00 A	NO	0001	0	N

*** SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)**
01 = WASHINGTON 2038LLGT27