

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.0
 %OM: 3.5
 PREV.CROP: ZEAMD - Dent corn
 %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	05/16/18	06/04/18	06/14/18	AME
TIME - BEGIN	13:57	09:40	14:45	24H
TIME - END	14:11	09:45	15:20	24H
AIR TEMPERATURE	84	76	89	F
% REL.HUMIDITY	48	45	39	
WIND DIRECTION	NORTHEAST	NORTHWEST	SOUTHEAST	
WIND SPEED	6.0	6.0	4.0	M/H
CLOUD COVER	CLEAR-0%	CLEAR-0%	HAZY SUN-	
DEW	TO BE SEL	NO	NO	
SOIL MOISTURE	DRY/ DRY	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	TO BE SEL	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	76/4.00	69/4.00	79/4.00	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		---/12	---/15	
CZ 3548 LL		4.00/4.00	8.00/10.0	IN
(PLANTED) 05/16/2018		19 DAP	29 DAP	
PEST *				
P, Waterhemp, commo		---/16	---/18	
		1.00/3.00	2.00/10.0	IN
P, Tall morning glo		---/14	---/18	
		0.50/3.00	0.50/6.00	IN
P, Giant foxtail		---/14	---/19	
		0.25/6.00	2.00/12.0	IN

*** TIMING CODES**

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

*** STAGE CODE**

12 = TRIFOLIOLATE LEAF ON THE 2ND NODE UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4 LEAVES UNFOLDED
15 = TRIFOLIOLATE LEAF ON THE 5TH NODE UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = 9 OR MORE LEAVES UNFOLDED

TITLE: Valent PPO's in Liberty Link Soybean Systems. AS-400
CREATED: 05/11/2018 **REVISED:** 11/01/2018 **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	TREATMENT	DOSAGE			GLXMA	AMATA	PHBPU	SETFA	GLXMA	AMATA
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %	CON %
					06/07/18	06/07/18	06/07/18	06/07/18	06/14/18	06/14/18
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»LIBERTY 2.34L	0.585	LAA	11	11	92	88	73	0	96
	B»LIQUID AMS	3.67	PMV	11						
	C»LIBERTY 2.34L	0.585	LAA	12						
	D SELECT MAX	0.045	LAA	12						
	E»LIQUID AMS	3.67	PMV	12						
	F»ACTIVATOR 90	0.25	PMV	12						
3A	»FIERCE 76WG	0.143	LAA	9	4	99	58	60	0	95
	B»LIBERTY 2.34L	0.585	LAA	12						
	C SELECT MAX	0.045	LAA	12						
	D»LIQUID AMS	3.67	PMV	12						
	E»ACTIVATOR 90	0.25	PMV	12						
4A	BOUNDARY 6.5EC	1.625	LAA	9	1	92	58	78	0	88
	B»LIBERTY 2.34L	0.585	LAA	12						
	C SELECT MAX	0.045	LAA	12						
	D»LIQUID AMS	3.67	PMV	12						
	E»ACTIVATOR 90	0.25	PMV	12						
5A	»AUTHOR. ELITE	1.37	LAA	9	1	93	65	68	0	90
	B»LIBERTY 2.34L	0.585	LAA	12						
	C SELECT MAX	0.045	LAA	12						
	D»LIQUID AMS	3.67	PMV	12						
	E»ACTIVATOR 90	0.25	PMV	12						
6A	»ZIDUA PRO 4.09	0.144	LAA	9	0	87	55	67	0	87
	B»LIBERTY 2.34L	0.585	LAA	12						
	C SELECT MAX	0.045	LAA	12						
	D»LIQUID AMS	3.67	PMV	12						
	E»ACTIVATOR 90	0.25	PMV	12						
7A	»FIERCEMTZ 2.64	0.33	LAA	9	9	98	67	57	0	96
	B»LIBERTY 2.34L	0.585	LAA	12						
	C SELECT MAX	0.045	LAA	12						
	D»LIQUID AMS	3.67	PMV	12						
	E»ACTIVATOR 90	0.25	PMV	12						
8A	»FIERCE 76WG	0.178	LAA	9	9	99	58	73	0	99
	B»LIBERTY 2.34L	0.585	LAA	12						
	C SELECT MAX	0.045	LAA	12						
	D»LIQUID AMS	3.67	PMV	12						
	E»ACTIVATOR 90	0.25	PMV	12						
9A	»AUTHOR. SUPREM	0.25	LAA	9	0	95	58	72	0	87
	B»LIBERTY 2.34L	0.585	LAA	12						
	C SELECT MAX	0.045	LAA	12						
	D»LIQUID AMS	3.67	PMV	12						
	E»ACTIVATOR 90	0.25	PMV	12						
10A	»V-10452 3.04SC	0.143	LAA	9	8	99	75	68	0	99
	B»LIBERTY 2.34L	0.585	LAA	12						
	C SELECT MAX	0.045	LAA	12						
	D»LIQUID AMS	3.67	PMV	12						
	E»ACTIVATOR 90	0.25	PMV	12						
LSD (0.05)					2.1	6.3	13.0	16.2	0.0	9.8
STANDARD DEVIATION					1.0	3.0	6.2	7.7	0.0	4.7

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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	TREATMENT	DOSAGE	PHBPU	SETFA	GLXMA	AMATA	PHBPU	SETFA
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					06/14/18	06/14/18	06/25/18	06/25/18
1A	CHECK	0.00	NA	0	0	0	0	0
2A	»LIBERTY 2.34L	0.585	LAA	11	97	93	0	95
	B»LIQUID AMS	3.67	PMV	11				
	C»LIBERTY 2.34L	0.585	LAA	12				
	D SELECT MAX	0.045	LAA	12				
	E»LIQUID AMS	3.67	PMV	12				
	F»ACTIVATOR 90	0.25	PMV	12				
3A	»FIERCE 76WG	0.143	LAA	9	55	47	0	99
	B»LIBERTY 2.34L	0.585	LAA	12				
	C SELECT MAX	0.045	LAA	12				
	D»LIQUID AMS	3.67	PMV	12				
	E»ACTIVATOR 90	0.25	PMV	12				
4A	BOUNDARY 6.5EC	1.625	LAA	9	57	68	0	98
	B»LIBERTY 2.34L	0.585	LAA	12				
	C SELECT MAX	0.045	LAA	12				
	D»LIQUID AMS	3.67	PMV	12				
	E»ACTIVATOR 90	0.25	PMV	12				
5A	»AUTHOR. ELITE	1.37	LAA	9	67	63	0	99
	B»LIBERTY 2.34L	0.585	LAA	12				
	C SELECT MAX	0.045	LAA	12				
	D»LIQUID AMS	3.67	PMV	12				
	E»ACTIVATOR 90	0.25	PMV	12				
6A	»ZIDUA PRO 4.09	0.144	LAA	9	57	60	0	96
	B»LIBERTY 2.34L	0.585	LAA	12				
	C SELECT MAX	0.045	LAA	12				
	D»LIQUID AMS	3.67	PMV	12				
	E»ACTIVATOR 90	0.25	PMV	12				
7A	»FIERCEMTZ 2.64	0.33	LAA	9	65	60	0	98
	B»LIBERTY 2.34L	0.585	LAA	12				
	C SELECT MAX	0.045	LAA	12				
	D»LIQUID AMS	3.67	PMV	12				
	E»ACTIVATOR 90	0.25	PMV	12				
8A	»FIERCE 76WG	0.178	LAA	9	58	65	0	99
	B»LIBERTY 2.34L	0.585	LAA	12				
	C SELECT MAX	0.045	LAA	12				
	D»LIQUID AMS	3.67	PMV	12				
	E»ACTIVATOR 90	0.25	PMV	12				
9A	»AUTHOR. SUPREM	0.25	LAA	9	55	63	0	96
	B»LIBERTY 2.34L	0.585	LAA	12				
	C SELECT MAX	0.045	LAA	12				
	D»LIQUID AMS	3.67	PMV	12				
	E»ACTIVATOR 90	0.25	PMV	12				
10A	»V-10452 3.04SC	0.143	LAA	9	72	60	0	99
	B»LIBERTY 2.34L	0.585	LAA	12				
	C SELECT MAX	0.045	LAA	12				
	D»LIQUID AMS	3.67	PMV	12				
	E»ACTIVATOR 90	0.25	PMV	12				
LSD (0.05)					11.9	13.3	0.0	2.5
STANDARD DEVIATION					5.6	6.3	0.0	1.2
							1.3	0.6
							0.0	0.0

TITLE: Valent PPO's in Liberty Link Soybean Systems. AS-400
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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	TREATMENT	DOSAGE		GLXMA	AMATA	PHBPU	SETFA	YIELD	
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	BU/A
					07/12/18	07/12/18	07/12/18	07/12/18	10/04/18
1A	CHECK	0.00	NA	0	0	0	0	0	21
2A	»LIBERTY 2.34L	0.585	LAA	11	0	95	93	92	64
	B»LIQUID AMS	3.67	PMV	11					
	C»LIBERTY 2.34L	0.585	LAA	12					
	D SELECT MAX	0.045	LAA	12					
	E»LIQUID AMS	3.67	PMV	12					
	F»ACTIVATOR 90	0.25	PMV	12					
3A	»FIERCE 76WG	0.143	LAA	9	0	99	95	99	67
	B»LIBERTY 2.34L	0.585	LAA	12					
	C SELECT MAX	0.045	LAA	12					
	D»LIQUID AMS	3.67	PMV	12					
	E»ACTIVATOR 90	0.25	PMV	12					
4A	BOUNDARY 6.5EC	1.625	LAA	9	0	98	98	99	77
	B»LIBERTY 2.34L	0.585	LAA	12					
	C SELECT MAX	0.045	LAA	12					
	D»LIQUID AMS	3.67	PMV	12					
	E»ACTIVATOR 90	0.25	PMV	12					
5A	»AUTHOR. ELITE	1.37	LAA	9	0	99	95	99	63
	B»LIBERTY 2.34L	0.585	LAA	12					
	C SELECT MAX	0.045	LAA	12					
	D»LIQUID AMS	3.67	PMV	12					
	E»ACTIVATOR 90	0.25	PMV	12					
6A	»ZIDUA PRO 4.09	0.144	LAA	9	0	98	96	99	77
	B»LIBERTY 2.34L	0.585	LAA	12					
	C SELECT MAX	0.045	LAA	12					
	D»LIQUID AMS	3.67	PMV	12					
	E»ACTIVATOR 90	0.25	PMV	12					
7A	»FIERCEMTZ 2.64	0.33	LAA	9	0	99	98	99	67
	B»LIBERTY 2.34L	0.585	LAA	12					
	C SELECT MAX	0.045	LAA	12					
	D»LIQUID AMS	3.67	PMV	12					
	E»ACTIVATOR 90	0.25	PMV	12					
8A	»FIERCE 76WG	0.178	LAA	9	0	99	96	99	68
	B»LIBERTY 2.34L	0.585	LAA	12					
	C SELECT MAX	0.045	LAA	12					
	D»LIQUID AMS	3.67	PMV	12					
	E»ACTIVATOR 90	0.25	PMV	12					
9A	»AUTHOR. SUPREM	0.25	LAA	9	0	99	96	99	83
	B»LIBERTY 2.34L	0.585	LAA	12					
	C SELECT MAX	0.045	LAA	12					
	D»LIQUID AMS	3.67	PMV	12					
	E»ACTIVATOR 90	0.25	PMV	12					
10A	»V-10452 3.04SC	0.143	LAA	9	0	99	95	99	69
	B»LIBERTY 2.34L	0.585	LAA	12					
	C SELECT MAX	0.045	LAA	12					
	D»LIQUID AMS	3.67	PMV	12					
	E»ACTIVATOR 90	0.25	PMV	12					
LSD (0.05)					0.0	1.8	3.3	0.9	14.0
STANDARD DEVIATION					0.0	0.9	1.6	0.4	6.7

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING
 09 = --- / PREEMERGENCE 05/16/2018(1)
 11 = --- / EPOST 06/04/2018(2)

* TIMING CODES

12 = --- / POST 06/14/2018(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 %	06/07/2018	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMATA	CON %	06/07/2018	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	PHBPU	CON %	06/07/2018	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	SETFA	CON %	06/07/2018	04	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	GLXMA	CON %	06/14/2018	01	P	GLXMA	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMATA	CON %	06/14/2018	02	P	AMATA	18	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	06/14/2018	03	P	PHBPU	18	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/14/2018	04	P	SETFA	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	GLXMA	CON %	06/25/2018	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	06/25/2018	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	PHBPU	CON %	06/25/2018	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	06/25/2018	04	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	GLXMA	CON %	07/12/2018	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	AMATA	CON %	07/12/2018	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	PHBPU	CON %	07/12/2018	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	07/12/2018	04	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	YIELD	BU/A	10/04/2018	01	P	GLXMA		RAW	ALL	YLD	BU	---	1.00 A	NO	0001	0	N

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

01 = CZ 3548 LL

* STAGE CODE

15 = TRIFOLIOLATE LEAF ON THE 5TH NODE UNFOLDED

18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

19 = 9 OR MORE LEAVES UNFOLDED