

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
PH: 5.8
%OM: 3.4
PREV.CROP: ZEAMD - CORN, DENT
%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	13	
TYPE	LIQUID MI	LIQUID MI	LIQUID MI	
APPLICATION DATE	05/31/17	06/21/17	07/03/17	AME
TIME - BEGIN	07:25	09:00	08:30	24H
TIME - END	07:30	09:30	08:40	24H
AIR TEMPERATURE	64	74	83	F
% REL.HUMIDITY	70	71	56	
WIND DIRECTION	NORTH	EAST	SOUTH	
WIND SPEED	4.0	2.0	3.0	M/H
CLOUD COVER	CLEAR-0%	CLEAR-0%	CLEAR-0%	
DEW	TO BE SEL	NO	NO	
SOIL MOISTURE	MOIST/MOI	MOIST/MOI	MOIST/MOI	
SOIL CONDITION	TO BE SEL	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	63/4.00	74/4.00	80/4.00	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	NA	NA	NA	
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		---/18	---/19	
CZ3737LL		1.50/2.00	12.0/12.0	IN
(PLANTED) 05/30/2017		22 DAP	34 DAP	
PEST *				
P, WATERHEMP, COMMO		---/16	---/16	
		2.00/3.00	2.00/3.00	IN
P, LAMBSQUARTERS, C		---/18	---/14	
		1.50/2.00	1.00/1.00	IN
P, MORNINGGLORY, TA		---/13	---/12	
		1.00/2.00	1.00/1.00	IN

*** CONTINUE

TRIAL # US 215/17/01 003 01 : USVCOBLL* AS-400
APPLICATIONS

SPECIE AND STAGE	DEN / STG	DEN / STG	DEN / STG	
	MIN / MAX	MIN / MAX	MIN / MAX	
PEST * P, FOXTAIL, GIANT		---/13 2.00/3.00	---/12 2.00/2.00	IN

* TIMING CODES

09 = --- / PREEMERGENCE
 11 = --- / EPOST
 13 = --- / LPOST

* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 12 = 2 LEAVES UNFOLDED
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 13 = 3 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 18 = 8TH LEAF (6TH TRIFOLIATE LEAF) UNFOLDED, 7 NODES
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = 9 OR MORE LEAVES UNFOLDED, 8 OR MORE NODES

TRIAL # US 215/17/01 003 01 : USVCOBLL* AS-400
DATA MEAN

TITLE: Valent PPO's in Liberty Link Soybean Systems. AS-400
CREATED: 05/05/2017 **REVISED:** 02/20/2018 **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 NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	AMATA	PHBPU	SETFA	CHEAL	GLXMA	
		RATE	UNIT	TM	CON % 06/29/17	CON % 06/29/17	CON % 06/29/17	CON % 06/29/17	CON % 06/29/17	CON % 07/06/17	
1A»	LIBERTY 2.34L	0.53	LAA	11	15	91	84	99	97	13	
B»	LIQUID AMS	3.67	PMV	11							
C	SELECT MAX	0.068	LAA	13							
D»	LIBERTY 2.34L	0.53	LAA	13							
E»	LIQUID AMS	3.67	PMV	13							
F»	ACTIVATOR 90	0.25	PMV	13							
2A»	FIERCE 76WG	0.143	LAA	9	15	99	84	98	99	14	
B»	LIBERTY 2.34L	0.53	LAA	11							
C»	LIQUID AMS	3.67	PMV	11							
D	SELECT MAX	0.068	LAA	13							
E»	LIBERTY 2.34L	0.53	LAA	13							
F»	LIQUID AMS	3.67	PMV	13							
G»	ACTIVATOR 90	0.25	PMV	13							
3A	CHECK	0.00	NA	0	0	0	0	0	0	0	
4A»	RESOURCE	0.027	LAA	11	27	88	88	98	96	18	
B»	LIBERTY 2.34L	0.53	LAA	11							
C»	LIQUID AMS	3.67	PMV	11							
D»	ACTIVATOR 90	0.25	PMV	11							
E	SELECT MAX	0.068	LAA	13							
F»	LIBERTY 2.34L	0.53	LAA	13							
G»	LIQUID AMS	3.67	PMV	13							
H»	ACTIVATOR 90	0.25	PMV	13							
5A	COBRA 2EC	0.195	LAA	11	39	94	88	99	99	25	
B»	LIBERTY 2.34L	0.53	LAA	11							
C»	LIQUID AMS	3.67	PMV	11							
D»	ACTIVATOR 90	0.25	PMV	11							
E	SELECT MAX	0.068	LAA	13							
F»	LIBERTY 2.34L	0.53	LAA	13							
G»	LIQUID AMS	3.67	PMV	13							
H»	ACTIVATOR 90	0.25	PMV	13							
6A	CHECK	0.00	NA	0	0	0	0	0	0	0	
					LSD (0.05)	2.4	5.0	3.0	1.1	5.1	2.6
					STANDARD DEVIATION	1.1	2.3	1.3	0.5	2.3	1.2

**TRIAL # US 215/17/01 003 01 : USVCOBLL* AS-400
DATA MEAN**

TITLE: Valent PPO's in Liberty Link Soybean Systems. AS-400
CREATED: 05/05/2017 **REVISED:** 02/20/2018 **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 NUM	TREATMENT COMPONENT	DOSAGE			AMATA	PHBPU	SETFA	CHEAL	GLXMA	AMATA
		RATE	UNIT	TM	CON % 07/06/17	CON % 07/06/17	CON % 07/06/17	CON % 07/06/17	CON % 07/11/17	CON % 07/11/17
1A»	LIBERTY 2.34L	0.53	LAA	11	98	91	99	99	10	99
B»	LIQUID AMS	3.67	PMV	11						
C	SELECT MAX	0.068	LAA	13						
D»	LIBERTY 2.34L	0.53	LAA	13						
E»	LIQUID AMS	3.67	PMV	13						
F»	ACTIVATOR 90	0.25	PMV	13						
2A»	FIERCE 76WG	0.143	LAA	9	99	92	99	99	10	99
B»	LIBERTY 2.34L	0.53	LAA	11						
C»	LIQUID AMS	3.67	PMV	11						
D	SELECT MAX	0.068	LAA	13						
E»	LIBERTY 2.34L	0.53	LAA	13						
F»	LIQUID AMS	3.67	PMV	13						
G»	ACTIVATOR 90	0.25	PMV	13						
3A	CHECK	0.00	NA	0	0	0	0	0	0	0
4A»	RESOURCE	0.027	LAA	11	97	94	99	99	14	99
B»	LIBERTY 2.34L	0.53	LAA	11						
C»	LIQUID AMS	3.67	PMV	11						
D»	ACTIVATOR 90	0.25	PMV	11						
E	SELECT MAX	0.068	LAA	13						
F»	LIBERTY 2.34L	0.53	LAA	13						
G»	LIQUID AMS	3.67	PMV	13						
H»	ACTIVATOR 90	0.25	PMV	13						
5A	COBRA 2EC	0.195	LAA	11	99	94	99	99	16	99
B»	LIBERTY 2.34L	0.53	LAA	11						
C»	LIQUID AMS	3.67	PMV	11						
D»	ACTIVATOR 90	0.25	PMV	11						
E	SELECT MAX	0.068	LAA	13						
F»	LIBERTY 2.34L	0.53	LAA	13						
G»	LIQUID AMS	3.67	PMV	13						
H»	ACTIVATOR 90	0.25	PMV	13						
6A	CHECK	0.00	NA	0	0	0	0	0	0	0
					LSD (0.05)	2.0	0.0	0.0	1.7	0.0
					STANDARD DEVIATION	0.9	0.0	0.0	0.8	0.0

TRIAL # US 215/17/01 003 01 : USVCOBLL* AS-400
DATA MEAN

TITLE: Valent PPO's in Liberty Link Soybean Systems. AS-400
CREATED: 05/05/2017 **REVISED:** 02/20/2018 **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 NUM	TREATMENT COMPONENT	DOSAGE			PHBPU	SETFA	CHEAL	GLXMA	AMATA	PHBPU	
		RATE	UNIT	TM	CON % 07/11/17	CON % 07/11/17	CON % 07/11/17	CON % 07/17/17	CON % 07/17/17	CON % 07/17/17	
1A»	LIBERTY 2.34L	0.53	LAA	11	95	99	99	0	98	85	
B»	LIQUID AMS	3.67	PMV	11							
C	SELECT MAX	0.068	LAA	13							
D»	LIBERTY 2.34L	0.53	LAA	13							
E»	LIQUID AMS	3.67	PMV	13							
F»	ACTIVATOR 90	0.25	PMV	13							
2A»	FIERCE 76WG	0.143	LAA	9	95	99	99	0	99	86	
B»	LIBERTY 2.34L	0.53	LAA	11							
C»	LIQUID AMS	3.67	PMV	11							
D	SELECT MAX	0.068	LAA	13							
E»	LIBERTY 2.34L	0.53	LAA	13							
F»	LIQUID AMS	3.67	PMV	13							
G»	ACTIVATOR 90	0.25	PMV	13							
3A	CHECK	0.00	NA	0	0	0	0	0	0	0	
4A»	RESOURCE	0.027	LAA	11	95	99	98	8	98	84	
B»	LIBERTY 2.34L	0.53	LAA	11							
C»	LIQUID AMS	3.67	PMV	11							
D»	ACTIVATOR 90	0.25	PMV	11							
E	SELECT MAX	0.068	LAA	13							
F»	LIBERTY 2.34L	0.53	LAA	13							
G»	LIQUID AMS	3.67	PMV	13							
H»	ACTIVATOR 90	0.25	PMV	13							
5A	COBRA 2EC	0.195	LAA	11	95	99	99	8	99	84	
B»	LIBERTY 2.34L	0.53	LAA	11							
C»	LIQUID AMS	3.67	PMV	11							
D»	ACTIVATOR 90	0.25	PMV	11							
E	SELECT MAX	0.068	LAA	13							
F»	LIBERTY 2.34L	0.53	LAA	13							
G»	LIQUID AMS	3.67	PMV	13							
H»	ACTIVATOR 90	0.25	PMV	13							
6A	CHECK	0.00	NA	0	0	0	0	0	0	0	
					LSD (0.05)	1.9	0.0	0.9	2.7	1.3	3.3
					STANDARD DEVIATION	0.8	0.0	0.4	1.2	0.6	1.5

TRIAL # US 215/17/01 003 01 : USVCOBLL* AS-400
DATA MEAN

TITLE: Valent PPO's in Liberty Link Soybean Systems. AS-400
 CREATED: 05/05/2017 REVISED: 02/20/2018 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	SETFA	CHEAL
NUM	COMPONENT	RATE	CON %	CON %
		UNIT	07/17/17	07/17/17
1A»	LIBERTY 2.34L	0.53	LAA 11	99
B»	LIQUID AMS	3.67	PMV 11	98
C	SELECT MAX	0.068	LAA 13	
D»	LIBERTY 2.34L	0.53	LAA 13	
E»	LIQUID AMS	3.67	PMV 13	
F»	ACTIVATOR 90	0.25	PMV 13	
2A»	FIERCE 76WG	0.143	LAA 9	99
B»	LIBERTY 2.34L	0.53	LAA 11	98
C»	LIQUID AMS	3.67	PMV 11	
D	SELECT MAX	0.068	LAA 13	
E»	LIBERTY 2.34L	0.53	LAA 13	
F»	LIQUID AMS	3.67	PMV 13	
G»	ACTIVATOR 90	0.25	PMV 13	
3A	CHECK	0.00	NA 0	0
4A»	RESOURCE	0.027	LAA 11	99
B»	LIBERTY 2.34L	0.53	LAA 11	94
C»	LIQUID AMS	3.67	PMV 11	
D»	ACTIVATOR 90	0.25	PMV 11	
E	SELECT MAX	0.068	LAA 13	
F»	LIBERTY 2.34L	0.53	LAA 13	
G»	LIQUID AMS	3.67	PMV 13	
H»	ACTIVATOR 90	0.25	PMV 13	
5A	COBRA 2EC	0.195	LAA 11	99
B»	LIBERTY 2.34L	0.53	LAA 11	
C»	LIQUID AMS	3.67	PMV 11	
D»	ACTIVATOR 90	0.25	PMV 11	
E	SELECT MAX	0.068	LAA 13	
F»	LIBERTY 2.34L	0.53	LAA 13	
G»	LIQUID AMS	3.67	PMV 13	
H»	ACTIVATOR 90	0.25	PMV 13	
6A	CHECK	0.00	NA 0	0
		LSD (0.05)	0.0	3.5
		STANDARD DEVIATION	0.0	1.6

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING
 09 = --- / PREEMERGENCE 05/31/2017(1)
 11 = --- / EPOST 06/21/2017(2)
 13 = --- / LPOST 07/03/2017(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 %	06/29/2017	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMATA	CON %	06/29/2017	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	PHBPU	CON %	06/29/2017	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	SETFA	CON %	06/29/2017	04	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL	CON %	06/29/2017	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	07/06/2017	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	AMATA	CON %	07/06/2017	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	PHBPU	CON %	07/06/2017	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	07/06/2017	04	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	07/06/2017	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	GLXMA	CON %	07/11/2017	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	AMATA	CON %	07/11/2017	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	07/11/2017	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	07/11/2017	04	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Valent PPO's in Liberty Link Soybean Systems. AS-400

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
015	CHEAL	CON %	07/11/2017	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	GLXMA	CON %	07/17/2017	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	AMATA	CON %	07/17/2017	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	07/17/2017	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	SETFA	CON %	07/17/2017	04	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	CHEAL	CON %	07/17/2017	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = CZ3737LL