

TRIAL # US 216/17/01 003 01 : USBAYLL AS-400
APPLICATIONS

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	04	UNIT
TIMINGS	09	11	12	13	
TYPE	LIQUID MI	LIQUID MI	LIQUID MI	LIQUID MI	
APPLICATION DATE	05/31/17	06/21/17	06/27/17	07/03/17	AME
TIME - BEGIN	07:35	08:45	09:00	08:55	24H
TIME - END	07:45	08:50	09:30	09:10	24H
AIR TEMPERATURE	64	74	69	83	F
% REL.HUMIDITY	70	71	47	56	
WIND DIRECTION	NORTH	EAST	NORTH	SOUTHWEST	
WIND SPEED	4.0	2.0	4.0	3.0	M/H
CLOUD COVER	CLEAR-0%	CLEAR-0%	CLEAR-0%	CLEAR-0%	
DEW	TO BE SEL	NO	NO	NO	
SOIL MOISTURE	MOIST/MOI	MOIST/MOI	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	TO BE SEL	TO BE SEL	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	63/4.00	74/4.00	79/4.00	80/4.00	F/IN
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION					
NOZZLE VOLUME	0.00	0.00	0.00	0.00	GPM
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SCREEN SIZE					
SCREEN SZ DESC	NA	NA	NA	NA	
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
BOOM HEIGHT	20.0	20.0	20.0	20.0	IN
SPEED	3.00	3.00	3.00	3.00	M/H
MIX SIZE	0.330	0.330	0.330	0.330	
MIX SIZE UNIT	GAL	GAL	GAL	GAL	
SPRAY VOLUME	20.00	20.00	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	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	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	DEN / STG MIN / MAX	
CROP *					
P, SOYBEAN CZ3737LL (PLANTED) 05/30/2017		---/15 5.00/7.00 22 DAP	---/17 9.00/9.00 28 DAP	---/19 12.0/12.0 34 DAP	IN
PEST *					
P, VELVETLEAF		---/14 2.00/3.00	---/16 3.00/5.00		IN
P, WATERHEMP, COMMO		---/18 3.00/4.00	---/19 3.00/5.00	---/19 4.00/4.00	IN
P, MORNINGGLORY, TA		---/10 0.50/0.50	---/12 1.00/2.00	---/10 0.50/0.50	IN

*** CONTINUE

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SPECIE AND STAGE	DEN / STG	DEN / STG	DEN / STG	DEN / STG	
	MIN / MAX	MIN / MAX	MIN / MAX	MIN / MAX	
PEST * P, FOXTAIL, GIANT		---/13 2.00/3.00	---/14 3.00/5.00	---/14 4.00/4.00	IN

* TIMING CODES

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

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 13 = 3 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 14 = 4 LEAVES UNFOLDED
 15 = 5TH LEAF (3RD TRIFOLIATE LEAF) UNFOLDED, 4 NODES
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 17 = 7TH LEAF (5TH TRIFOLIATE LEAF) UNFOLDED, 6 NODES
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = 9 OR MORE LEAVES UNFOLDED, 8 OR MORE NODES

**TRIAL # US 216/17/01 003 01 : USBAYLL AS-400
DATA MEAN**

TITLE: Increased Liberty Rates in Liberty Link Soybean. AS-400
CREATED: 05/01/2017 **REVISED:** 09/12/2017 **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	ABUTH	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»	AUTHOR. FIRST	0.284	LAA	9	C	C	C	C	C	10
B»	LIBERTY 2.34L	0.59	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
D»	LIBERTY 2.34L	0.59	LAA	13						
E»	LIQUID AMS	2.50	PMV	13						
2A»	AUTHOR. FIRST	0.284	LAA	9	C	C	C	C	C	15
B»	LIBERTY 2.34L	0.79	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
D»	LIBERTY 2.34L	0.79	LAA	13						
E»	LIQUID AMS	2.50	PMV	13						
3A»	AUTHOR. FIRST	0.284	LAA	9	C	C	C	C	C	10
B»	LIBERTY 2.34L	0.59	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
4A»	AUTHOR. FIRST	0.284	LAA	9	C	C	C	C	C	11
B»	LIBERTY 2.34L	0.79	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
5A»	AUTHOR. FIRST	0.284	LAA	9	26	99	87	97	99	19
B»	CADET 0.91EC	0.004	LAA	11						
C»	LIBERTY 2.34L	0.59	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
6A	CHECK	0.00	NA	0	0	0	0	0	0	0
7A»	AUTHOR. FIRST	0.284	LAA	9	31	99	90	97	99	23
B»	ANTHEM MAXX 4.	0.117	LAA	11						
C»	LIBERTY 2.34L	0.59	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
8A»	VALOR XLT 40WG	4.00	OMA	0	C	C	C	C	C	23
B»	VALOR SX 51WDG	0.075	LAA	9						
C	CLASSIC 25WG	0.0258	LAA	9						
D»	ZIDUA 85WG	0.159	LAA	12						
E»	LIBERTY 2.34L	0.59	LAA	12						
F»	LIQUID AMS	2.50	PMV	12						
G»	LIBERTY 2.34L	0.59	LAA	13						
H»	LIQUID AMS	2.50	PMV	13						
		LSD (0.05)			1.3	0.0	4.0	1.0	0.0	2.3
		STANDARD DEVIATION			0.6	0.0	1.9	0.5	0.0	1.1

TRIAL # US 216/17/01 003 01 : USBAYLL AS-400
DATA MEAN

TITLE: Increased Liberty Rates in Liberty Link Soybean. AS-400
CREATED: 05/01/2017 **REVISED:** 09/12/2017 **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	ABUTH	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»	AUTHOR. FIRST	0.284	LAA	9	99	94	99	99	10	99
B»	LIBERTY 2.34L	0.59	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
D»	LIBERTY 2.34L	0.59	LAA	13						
E»	LIQUID AMS	2.50	PMV	13						
2A»	AUTHOR. FIRST	0.284	LAA	9	99	98	99	99	10	99
B»	LIBERTY 2.34L	0.79	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
D»	LIBERTY 2.34L	0.79	LAA	13						
E»	LIQUID AMS	2.50	PMV	13						
3A»	AUTHOR. FIRST	0.284	LAA	9	96	92	99	99	10	92
B»	LIBERTY 2.34L	0.59	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
4A»	AUTHOR. FIRST	0.284	LAA	9	98	95	99	99	10	94
B»	LIBERTY 2.34L	0.79	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
5A»	AUTHOR. FIRST	0.284	LAA	9	87	75	69	99	12	83
B»	CADET 0.91EC	0.004	LAA	11						
C»	LIBERTY 2.34L	0.59	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
6A	CHECK	0.00	NA	0	0	0	0	0	0	0
7A»	AUTHOR. FIRST	0.284	LAA	9	99	83	90	98	17	97
B»	ANTHEM MAXX 4.	0.117	LAA	11						
C»	LIBERTY 2.34L	0.59	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
8A»	VALOR XLT 40WG	4.00	OMA	0	99	96	99	99	20	97
B»	VALOR SX 51WDG	0.075	LAA	9						
C	CLASSIC 25WG	0.0258	LAA	9						
D»	ZIDUA 85WG	0.159	LAA	12						
E»	LIBERTY 2.34L	0.59	LAA	12						
F»	LIQUID AMS	2.50	PMV	12						
G»	LIBERTY 2.34L	0.59	LAA	13						
H»	LIQUID AMS	2.50	PMV	13						
	LSD (0.05)				2.1	4.6	0.7	0.7	1.8	4.4
	STANDARD DEVIATION				1.0	2.1	0.3	0.3	0.8	2.0

TRIAL # US 216/17/01 003 01 : USBAYLL AS-400
DATA MEAN

TITLE: Increased Liberty Rates in Liberty Link Soybean. AS-400
CREATED: 05/01/2017 **REVISED:** 09/12/2017 **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	ABUTH
		RATE	UNIT	TM	CON % 07/11/17	CON % 07/11/17	CON % 07/11/17
1A	AUTHOR. FIRST	0.284	LAA	9	96	99	99
B	LIBERTY 2.34L	0.59	LAA	12			
C	LIQUID AMS	2.50	PMV	12			
D	LIBERTY 2.34L	0.59	LAA	13			
E	LIQUID AMS	2.50	PMV	13			
2A	AUTHOR. FIRST	0.284	LAA	9	98	99	99
B	LIBERTY 2.34L	0.79	LAA	12			
C	LIQUID AMS	2.50	PMV	12			
D	LIBERTY 2.34L	0.79	LAA	13			
E	LIQUID AMS	2.50	PMV	13			
3A	AUTHOR. FIRST	0.284	LAA	9	89	98	99
B	LIBERTY 2.34L	0.59	LAA	12			
C	LIQUID AMS	2.50	PMV	12			
4A	AUTHOR. FIRST	0.284	LAA	9	90	98	99
B	LIBERTY 2.34L	0.79	LAA	12			
C	LIQUID AMS	2.50	PMV	12			
5A	AUTHOR. FIRST	0.284	LAA	9	70	63	99
B	CADET 0.91EC	0.004	LAA	11			
C	LIBERTY 2.34L	0.59	LAA	11			
D	LIQUID AMS	2.50	PMV	11			
6A	CHECK	0.00	NA	0	0	0	0
7A	AUTHOR. FIRST	0.284	LAA	9	81	89	98
B	ANTHEM MAXX 4.	0.117	LAA	11			
C	LIBERTY 2.34L	0.59	LAA	11			
D	LIQUID AMS	2.50	PMV	11			
8A	VALOR XLT 40WG	4.00	OMA	0	95	99	99
B	VALOR SX 51WDG	0.075	LAA	9			
C	CLASSIC 25WG	0.0258	LAA	9			
D	ZIDUA 85WG	0.159	LAA	12			
E	LIBERTY 2.34L	0.59	LAA	12			
F	LIQUID AMS	2.50	PMV	12			
G	LIBERTY 2.34L	0.59	LAA	13			
H	LIQUID AMS	2.50	PMV	13			
LSD (0.05)					6.5	3.3	0.7
STANDARD DEVIATION					3.0	1.5	0.3

» = SUPPLEMENTAL CHEMICAL

---,M,C,D = MISSING DATA

*** TIMING CODES**

00 = --- / UNTREATED TIMING
 09 = --- / PREEMERGENCE 05/31/2017(1)
 11 = --- / EPOST 06/21/2017(2)
 12 = --- / POST 06/27/2017(3)
 13 = --- / LPOST 07/03/2017(4)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	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	ABUTH	CON %	06/29/2017	05	P	ABUTH		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

TRIAL # US 216/17/01 003 01 : USBAYLL AS-400
 DATA MEAN

TITLE: Increased Liberty Rates in Liberty Link Soybean. AS-400

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
010	ABUTH	CON %	07/06/2017	05	P	ABUTH		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
015	ABUTH	CON %	07/11/2017	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = CZ3737LL