

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
PH: 5.8  
%OM: 3.2  
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	06/05/17	07/03/17	07/14/17	07/26/17	AME
TIME - BEGIN	12:15	11:05	09:35	11:15	24H
TIME - END	12:40	11:15	10:15	11:20	24H
AIR TEMPERATURE	90	86	80	83	F
% REL.HUMIDITY	29	50	63	65	
WIND DIRECTION	NORTH	SOUTHWEST	NORTH	SOUTH	
WIND SPEED	7.5	3.0	4.0	6.0	M/H
CLOUD COVER	CLEAR-0%	CLEAR-0%	CLEAR-0%	PAR.CLOUD	
DEW	NO	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	TO BE SEL	TO BE SEL	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	83/4.00	81/4.00	78/4.00	81/4.00	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		---/14	---/17	---/65	
AG34X6 RR2XTEND		6.00/6.00	13.0/14.0	/	IN
(PLANTED) 06/05/2017		28 DAP	39 DAP	51 DAP	
PEST *					
P, VELVETLEAF		---/12	---/14	---/18	
		1.00/1.00	3.00/3.00	1.00/12.0	IN
P, WATERHEMP, COMMO			---/19	---/19	
			4.00/4.00	6.00/18.0	IN
P, RAGWEED, COMMON			---/16	---/16	
			3.00/3.00	2.00/8.00	IN

\*\*\* CONTINUE

TRIAL # US 220/17/01 002 01 : USFMCSYS\* C-400  
APPLICATIONS

SPECIE AND STAGE	DEN / STG	DEN / STG	DEN / STG	DEN / STG	
	MIN / MAX	MIN / MAX	MIN / MAX	MIN / MAX	
PEST * P, MORNINGGLORY, TA		---/14	---/16	---/19	IN
		1.00/1.00	2.00/4.00	2.00/8.00	
P, FOXTAIL, GIANT		---/13	---/13	---/19	IN
		3.00/3.00	2.00/2.00	2.00/8.00	

\* TIMING CODES

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

\* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3 LEAVES UNFOLDED  
 14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 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  
 65 = 50% OF FLOWERS OPEN (DETERMINATE); MAIN FLOWERING PERIOD (INDETERM.)

**TRIAL # US 220/17/01 002 01 : USFMCYSYS\* C-400  
DATA MEAN**

**TITLE:** Authority and Anthem Maxx Comparisons for Weed Control in Soybean. C-400  
**CREATED:** 05/09/2017 **REVISED:** 02/13/2018 **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	SETFA	ABUTH	PHBPU	GLXMA	SETFA
		RATE	UNIT	TM	CON % 06/18/17	CON % 06/18/17	CON % 06/18/17	CON % 06/18/17	CON % 07/06/17	CON % 07/06/17
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	AUTHOR. ELITE	1.31	LAA	9	0	99	99	96	0	91
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
3A	AUTHOR. ELITE	1.64	LAA	9	0	99	99	98	0	98
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
4A	F9314-3 3.8SC	0.238	LAA	9	0	98	98	97	0	89
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
5A	AUTHOR. MAXX 6	0.21	LAA	9	0	99	99	99	0	95
	B>ANTHEM MAXX 4.	0.10	LAA	9						
	C SELECT MAX	0.076	LAA	12						
	D>COC	1.00	PMV	12						
	E>LIQUID AMS	2.50	PMV	12						
6A	AUTHORITY MTZ	0.42	LAA	9	0	98	99	93	0	52
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
7A	F4242-1 4SC	0.50	LAA	9	0	91	95	91	0	62
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
8A	ANTHEM MAXX 4.	0.12	LAA	9	0	99	99	83	0	81
	B>METRIBUZIN 75D	0.28	LAA	9						
	C SELECT MAX	0.076	LAA	12						
	D>COC	1.00	PMV	12						
	E>LIQUID AMS	2.50	PMV	12						
9A	ZIDUA PRO 4.09	0.192	LAA	9	0	99	99	99	0	95
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
10A	BOUNDARY 6.5EC	1.46	LAA	9	0	99	57	33	0	90
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
11A	FIERCE 76WG	0.143	LAA	9	0	99	99	94	0	92
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
12A	AUTHOR. MAXX 6	0.21	LAA	9	0	99	99	97	0	62
	B>RNDUP POWERMAX	0.77	LAA	12						
	C>XTENDIMAX 2.9	0.50	LAA	12						
	D>AG16098	0.50	PMV	12						
13A	AUTHORITY MTZ	0.42	LAA	9	0	92	98	97	15	98
	B>ANTHEM MAXX 4.	0.10	LAA	11						
	C>RNDUP POWERMAX	0.77	LAA	11						
	D>XTENDIMAX 2.9	0.50	LAA	11						
	E>AG16098	0.50	PMV	11						

TRIAL # US 220/17/01 002 01 : USFMCSYS\* C-400  
DATA MEAN

TITLE: Authority and Anthem Maxx Comparisons for Weed Control in Soybean. C-400

TRT NUM	TREATMENT COMPONENT	DOSAGE			GLXMA	SETFA	ABUTH	PHBPU	GLXMA	SETFA
		RATE	UNIT	TM	CON % 06/18/17	CON % 06/18/17	CON % 06/18/17	CON % 06/18/17	CON % 07/06/17	CON % 07/06/17
14A	»AUTHORITY XL 7	0.28	LAA	9	0	94	99	98	0	90
	B DUAL MAGNUM	1.09	LAA	9						
	C»RNDUP POWERMAX	0.77	LAA	12						
	D»XTENDIMAX 2.9	0.50	LAA	12						
	E»AG16098	0.50	PMV	12						
15A	»FIERCCEMTZ 2.64	0.33	LAA	9	0	99	99	93	0	89
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»XTENDIMAX 2.9	0.50	LAA	12						
	D»AG16098	0.50	PMV	12						
16A	»RNDUP POWERMAX	0.77	LAA	11	C	C	C	C	15	96
	B»XTENDIMAX 2.9	0.50	LAA	11						
	C»ANTHEM MAXX 4.	0.10	LAA	11						
	D»AG16098	0.50	PMV	11						
17A	»RNDUP POWERMAX	0.77	LAA	11	C	C	C	C	0	95
	B»XTENDIMAX 2.9	0.50	LAA	11						
	C»WARRANT 3L	1.125	LAA	11						
	D»AG16098	0.50	PMV	11						
18A	»RNDUP POWERMAX	0.77	LAA	13	C	C	C	C	C	C
	B»XTENDIMAX 2.9	0.50	LAA	13						
	C»AG16098	0.50	PMV	13						
		LSD (0.05)			0.0	6.0	3.1	8.6	1.2	16.0
		STANDARD DEVIATION			0.0	3.0	1.5	4.3	0.6	7.9

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DATA MEAN**

**TITLE:** Authority and Anthem Maxx Comparisons for Weed Control in Soybean. C-400  
**CREATED:** 05/09/2017 **REVISED:** 02/13/2018 **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			ABUTH	PHBPU	GLXMA	SETFA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 07/06/17	CON % 07/06/17	CON % 07/17/17	CON % 07/17/17	CON % 07/17/17	CON % 07/17/17
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	AUTHOR. ELITE	1.31	LAA	9	91	81	C	C	C	C
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
3A	AUTHOR. ELITE	1.64	LAA	9	99	94	C	C	C	C
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
4A	F9314-3 3.8SC	0.238	LAA	9	96	91	C	C	C	C
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
5A	AUTHOR. MAXX 6	0.21	LAA	9	99	96	C	C	C	C
	B>ANTHEM MAXX 4.	0.10	LAA	9						
	C SELECT MAX	0.076	LAA	12						
	D>COC	1.00	PMV	12						
	E>LIQUID AMS	2.50	PMV	12						
6A	AUTHORITY MTZ	0.42	LAA	9	76	68	C	C	C	C
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
7A	F4242-1 4SC	0.50	LAA	9	89	82	C	C	C	C
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
8A	ANTHEM MAXX 4.	0.12	LAA	9	96	83	C	C	C	C
	B>METRIBUZIN 75D	0.28	LAA	9						
	C SELECT MAX	0.076	LAA	12						
	D>COC	1.00	PMV	12						
	E>LIQUID AMS	2.50	PMV	12						
9A	ZIDUA PRO 4.09	0.192	LAA	9	99	97	C	C	C	C
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
10A	BOUNDARY 6.5EC	1.46	LAA	9	68	47	C	C	C	C
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
11A	FIERCE 76WG	0.143	LAA	9	99	92	C	C	C	C
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
12A	AUTHOR. MAXX 6	0.21	LAA	9	91	92	C	C	C	C
	B>RNDUP POWERMAX	0.77	LAA	12						
	C>XTENDIMAX 2.9	0.50	LAA	12						
	D>AG16098	0.50	PMV	12						
13A	AUTHORITY MTZ	0.42	LAA	9	99	99	18	99	99	98
	B>ANTHEM MAXX 4.	0.10	LAA	11						
	C>RNDUP POWERMAX	0.77	LAA	11						
	D>XTENDIMAX 2.9	0.50	LAA	11						
	E>AG16098	0.50	PMV	11						

TRIAL # US 220/17/01 002 01 : USFMCSYS\* C-400  
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TRT NUM	TREATMENT COMPONENT	DOSAGE			ABUTH	PHBPU	GLXMA	SETFA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 07/06/17	CON % 07/06/17	CON % 07/17/17	CON % 07/17/17	CON % 07/17/17	CON % 07/17/17
14A	»AUTHORITY XL 7	0.28	LAA	9	97	95	C	C	C	C
	B DUAL MAGNUM	1.09	LAA	9						
	C»RNDUP POWERMAX	0.77	LAA	12						
	D»XTENDIMAX 2.9	0.50	LAA	12						
	E»AG16098	0.50	PMV	12						
15A	»FIERCEMTZ 2.64	0.33	LAA	9	98	93	C	C	C	C
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»XTENDIMAX 2.9	0.50	LAA	12						
	D»AG16098	0.50	PMV	12						
16A	»RNDUP POWERMAX	0.77	LAA	11	99	99	17	99	99	99
	B»XTENDIMAX 2.9	0.50	LAA	11						
	C»ANTHEM MAXX 4.	0.10	LAA	11						
	D»AG16098	0.50	PMV	11						
17A	»RNDUP POWERMAX	0.77	LAA	11	99	99	0	99	99	98
	B»XTENDIMAX 2.9	0.50	LAA	11						
	C»WARRANT 3L	1.125	LAA	11						
	D»AG16098	0.50	PMV	11						
18A	»RNDUP POWERMAX	0.77	LAA	13	C	C	C	C	C	C
	B»XTENDIMAX 2.9	0.50	LAA	13						
	C»AG16098	0.50	PMV	13						
		LSD (0.05)			15.8	10.7	0.7	0.0	0.0	0.3
		STANDARD DEVIATION			7.8	5.3	0.3	0.0	0.0	0.2

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**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	PHBPU	GLXMA	SETFA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 07/17/17	CON % 07/17/17	CON % 07/31/17	CON % 07/31/17	CON % 07/31/17	CON % 07/31/17
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	AUTHOR. ELITE	1.31	LAA	9	C	C	0	97	86	92
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
3A	AUTHOR. ELITE	1.64	LAA	9	C	C	0	99	99	95
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
4A	F9314-3 3.8SC	0.238	LAA	9	C	C	0	98	99	83
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
5A	AUTHOR. MAXX 6	0.21	LAA	9	C	C	0	99	99	95
	B>ANTHEM MAXX 4.	0.10	LAA	9						
	C SELECT MAX	0.076	LAA	12						
	D>COC	1.00	PMV	12						
	E>LIQUID AMS	2.50	PMV	12						
6A	AUTHORITY MTZ	0.42	LAA	9	C	C	0	95	99	89
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
7A	F4242-1 4SC	0.50	LAA	9	C	C	0	95	99	92
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
8A	ANTHEM MAXX 4.	0.12	LAA	9	C	C	0	97	96	87
	B>METRIBUZIN 75D	0.28	LAA	9						
	C SELECT MAX	0.076	LAA	12						
	D>COC	1.00	PMV	12						
	E>LIQUID AMS	2.50	PMV	12						
9A	ZIDUA PRO 4.09	0.192	LAA	9	C	C	0	99	99	96
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
10A	BOUNDARY 6.5EC	1.46	LAA	9	C	C	0	98	96	53
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
11A	FIERCE 76WG	0.143	LAA	9	C	C	0	97	99	89
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
12A	AUTHOR. MAXX 6	0.21	LAA	9	C	C	0	99	99	99
	B>RNDUP POWERMAX	0.77	LAA	12						
	C>XTENDIMAX 2.9	0.50	LAA	12						
	D>AG16098	0.50	PMV	12						
13A	AUTHORITY MTZ	0.42	LAA	9	99	99	0	99	99	99
	B>ANTHEM MAXX 4.	0.10	LAA	11						
	C>RNDUP POWERMAX	0.77	LAA	11						
	D>XTENDIMAX 2.9	0.50	LAA	11						
	E>AG16098	0.50	PMV	11						

TRIAL # US 220/17/01 002 01 : USFMCSYS\* C-400  
DATA MEAN

TITLE: Authority and Anthem Maxx Comparisons for Weed Control in Soybean. C-400

TRT NUM	TREATMENT COMPONENT	DOSAGE			PHBPU	PHBPU	GLXMA	SETFA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 07/17/17	CON % 07/17/17	CON % 07/31/17	CON % 07/31/17	CON % 07/31/17	CON % 07/31/17
14A»	AUTHORITY XL 7	0.28	LAA	9	C	C	2	99	99	99
	B DUAL MAGNUM	1.09	LAA	9						
	C»RNDUP POWERMAX	0.77	LAA	12						
	D»XTENDIMAX 2.9	0.50	LAA	12						
	E»AG16098	0.50	PMV	12						
15A»	FIERCCEMTZ 2.64	0.33	LAA	9	C	C	0	99	99	99
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»XTENDIMAX 2.9	0.50	LAA	12						
	D»AG16098	0.50	PMV	12						
16A»	RNDUP POWERMAX	0.77	LAA	11	99	99	0	99	99	99
	B»XTENDIMAX 2.9	0.50	LAA	11						
	C»ANTHEM MAXX 4.	0.10	LAA	11						
	D»AG16098	0.50	PMV	11						
17A»	RNDUP POWERMAX	0.77	LAA	11	99	99	0	98	96	99
	B»XTENDIMAX 2.9	0.50	LAA	11						
	C»WARRANT 3L	1.125	LAA	11						
	D»AG16098	0.50	PMV	11						
18A»	RNDUP POWERMAX	0.77	LAA	13	C	C	8	57	50	50
	B»XTENDIMAX 2.9	0.50	LAA	13						
	C»AG16098	0.50	PMV	13						
		LSD (0.05)			0.2	0.0	1.6	4.8	9.4	5.9
		STANDARD DEVIATION			0.1	0.0	0.8	2.4	4.7	2.9



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**CREATED:** 05/09/2017 **REVISED:** 02/13/2018 **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			AMBEL	AMATA	GLXMA	SETFA	ABUTH	AMBEL
		RATE	UNIT	TM	CON % 07/31/17	CON % 07/31/17	CON % 08/11/17	CON % 08/11/17	CON % 08/11/17	CON % 08/11/17
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	AUTHOR. ELITE	1.31	LAA	9	93	97	0	96	83	90
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
3A	AUTHOR. ELITE	1.64	LAA	9	95	98	0	99	99	94
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
4A	F9314-3 3.8SC	0.238	LAA	9	62	98	0	98	96	83
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
5A	AUTHOR. MAXX 6	0.21	LAA	9	97	99	0	98	99	95
	B>ANTHEM MAXX 4.	0.10	LAA	9						
	C SELECT MAX	0.076	LAA	12						
	D>COC	1.00	PMV	12						
	E>LIQUID AMS	2.50	PMV	12						
6A	AUTHORITY MTZ	0.42	LAA	9	65	98	0	97	96	88
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
7A	F4242-1 4SC	0.50	LAA	9	65	99	0	92	94	92
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
8A	ANTHEM MAXX 4.	0.12	LAA	9	98	99	0	96	99	83
	B>METRIBUZIN 75D	0.28	LAA	9						
	C SELECT MAX	0.076	LAA	12						
	D>COC	1.00	PMV	12						
	E>LIQUID AMS	2.50	PMV	12						
9A	ZIDUA PRO 4.09	0.192	LAA	9	98	99	0	99	99	96
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
10A	BOUNDARY 6.5EC	1.46	LAA	9	94	99	0	98	94	48
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
11A	FIERCE 76WG	0.143	LAA	9	96	96	0	98	99	90
	B SELECT MAX	0.076	LAA	12						
	C>COC	1.00	PMV	12						
	D>LIQUID AMS	2.50	PMV	12						
12A	AUTHOR. MAXX 6	0.21	LAA	9	99	99	0	99	99	99
	B>RNDUP POWERMAX	0.77	LAA	12						
	C>XTENDIMAX 2.9	0.50	LAA	12						
	D>AG16098	0.50	PMV	12						
13A	AUTHORITY MTZ	0.42	LAA	9	99	99	0	99	99	99
	B>ANTHEM MAXX 4.	0.10	LAA	11						
	C>RNDUP POWERMAX	0.77	LAA	11						
	D>XTENDIMAX 2.9	0.50	LAA	11						
	E>AG16098	0.50	PMV	11						

TRIAL # US 220/17/01 002 01 : USFMCSYS\* C-400  
DATA MEAN

TITLE: Authority and Anthem Maxx Comparisons for Weed Control in Soybean. C-400

TRT NUM	TREATMENT COMPONENT	DOSAGE			AMBEL	AMATA	GLXMA	SETFA	ABUTH	AMBEL
		RATE	UNIT	TM	CON % 07/31/17	CON % 07/31/17	CON % 08/11/17	CON % 08/11/17	CON % 08/11/17	CON % 08/11/17
14A	»AUTHORITY XL 7	0.28	LAA	9	99	99	0	99	99	99
	B DUAL MAGNUM	1.09	LAA	9						
	C»RNDUP POWERMAX	0.77	LAA	12						
	D»XTENDIMAX 2.9	0.50	LAA	12						
	E»AG16098	0.50	PMV	12						
15A	»FIERCEMTZ 2.64	0.33	LAA	9	99	99	0	99	99	99
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»XTENDIMAX 2.9	0.50	LAA	12						
	D»AG16098	0.50	PMV	12						
16A	»RNDUP POWERMAX	0.77	LAA	11	99	99	0	99	99	99
	B»XTENDIMAX 2.9	0.50	LAA	11						
	C»ANTHEM MAXX 4.	0.10	LAA	11						
	D»AG16098	0.50	PMV	11						
17A	»RNDUP POWERMAX	0.77	LAA	11	99	99	0	97	96	98
	B»XTENDIMAX 2.9	0.50	LAA	11						
	C»WARRANT 3L	1.125	LAA	11						
	D»AG16098	0.50	PMV	11						
18A	»RNDUP POWERMAX	0.77	LAA	13	99	66	0	98	93	90
	B»XTENDIMAX 2.9	0.50	LAA	13						
	C»AG16098	0.50	PMV	13						
		LSD (0.05)			35.5	11.1	0.0	3.2	12.4	6.6
		STANDARD DEVIATION			17.6	5.5	0.0	1.6	6.1	3.3

TRIAL # US 220/17/01 002 01 : USFMCSYS\* C-400  
DATA MEAN

**TITLE:** Authority and Anthem Maxx Comparisons for Weed Control in Soybean. C-400  
**CREATED:** 05/09/2017 **REVISED:** 02/13/2018 **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	AMATA
		RATE	UNIT	TM	CON % 08/11/17	CON % 08/11/17
1A	CHECK	0.00	NA	0	0	0
2A	AUTHOR. ELITE	1.31	LAA	9	90	95
	B SELECT MAX	0.076	LAA	12		
	C»COC	1.00	PMV	12		
	D»LIQUID AMS	2.50	PMV	12		
3A	AUTHOR. ELITE	1.64	LAA	9	91	96
	B SELECT MAX	0.076	LAA	12		
	C»COC	1.00	PMV	12		
	D»LIQUID AMS	2.50	PMV	12		
4A	F9314-3 3.8SC	0.238	LAA	9	60	98
	B SELECT MAX	0.076	LAA	12		
	C»COC	1.00	PMV	12		
	D»LIQUID AMS	2.50	PMV	12		
5A	AUTHOR. MAXX 6	0.21	LAA	9	97	99
	B»ANTHEM MAXX 4.	0.10	LAA	9		
	C SELECT MAX	0.076	LAA	12		
	D»COC	1.00	PMV	12		
	E»LIQUID AMS	2.50	PMV	12		
6A	AUTHORITY MTZ	0.42	LAA	9	65	96
	B SELECT MAX	0.076	LAA	12		
	C»COC	1.00	PMV	12		
	D»LIQUID AMS	2.50	PMV	12		
7A	F4242-1 4SC	0.50	LAA	9	65	99
	B SELECT MAX	0.076	LAA	12		
	C»COC	1.00	PMV	12		
	D»LIQUID AMS	2.50	PMV	12		
8A	ANTHEM MAXX 4.	0.12	LAA	9	98	99
	B»METRIBUZIN 75D	0.28	LAA	9		
	C SELECT MAX	0.076	LAA	12		
	D»COC	1.00	PMV	12		
	E»LIQUID AMS	2.50	PMV	12		
9A	ZIDUA PRO 4.09	0.192	LAA	9	98	99
	B SELECT MAX	0.076	LAA	12		
	C»COC	1.00	PMV	12		
	D»LIQUID AMS	2.50	PMV	12		
10A	BOUNDARY 6.5EC	1.46	LAA	9	94	98
	B SELECT MAX	0.076	LAA	12		
	C»COC	1.00	PMV	12		
	D»LIQUID AMS	2.50	PMV	12		
11A	FIERCE 76WG	0.143	LAA	9	96	95
	B SELECT MAX	0.076	LAA	12		
	C»COC	1.00	PMV	12		
	D»LIQUID AMS	2.50	PMV	12		
12A	AUTHOR. MAXX 6	0.21	LAA	9	99	99
	B»RNDUP POWERMAX	0.77	LAA	12		
	C»XTENDIMAX 2.9	0.50	LAA	12		
	D»AG16098	0.50	PMV	12		
13A	AUTHORITY MTZ	0.42	LAA	9	99	99
	B»ANTHEM MAXX 4.	0.10	LAA	11		
	C»RNDUP POWERMAX	0.77	LAA	11		
	D»XTENDIMAX 2.9	0.50	LAA	11		
	E»AG16098	0.50	PMV	11		

TITLE: Authority and Anthem Maxx Comparisons for Weed Control in Soybean. C-400

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	AMATA CON % 08/11/17	AMATA CON % 08/11/17
14A	AUTHORITY XL 7	0.28	LAA	9	99	99
	B DUAL MAGNUM	1.09	LAA	9		
	C»RNDUP POWERMAX	0.77	LAA	12		
	D»XTENDIMAX 2.9	0.50	LAA	12		
	E»AG16098	0.50	PMV	12		
15A	FIERCCEMTZ 2.64	0.33	LAA	9	99	99
	B»RNDUP POWERMAX	0.77	LAA	12		
	C»XTENDIMAX 2.9	0.50	LAA	12		
	D»AG16098	0.50	PMV	12		
16A	RNDUP POWERMAX	0.77	LAA	11	99	99
	B»XTENDIMAX 2.9	0.50	LAA	11		
	C»ANTHEM MAXX 4.	0.10	LAA	11		
	D»AG16098	0.50	PMV	11		
17A	RNDUP POWERMAX	0.77	LAA	11	99	99
	B»XTENDIMAX 2.9	0.50	LAA	11		
	C»WARRANT 3L	1.125	LAA	11		
	D»AG16098	0.50	PMV	11		
18A	RNDUP POWERMAX	0.77	LAA	13	98	97
	B»XTENDIMAX 2.9	0.50	LAA	13		
	C»AG16098	0.50	PMV	13		
		LSD (0.05)			35.0	3.0
		STANDARD DEVIATION			17.3	1.5

» = SUPPLEMENTAL CHEMICAL

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

\* TIMING CODES

- 00 = --- / UNTREATED TIMING
- 09 = --- / PREEMERGENCE 06/05/2017(1)
- 11 = --- / EPOST 07/03/2017(2)
- 12 = --- / POST 07/14/2017(3)
- 13 = --- / LPOST 07/26/2017(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 %	06/18/2017	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/18/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ABUTH	CON %	06/18/2017	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	PHBPU	CON %	06/18/2017	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	GLXMA	CON %	07/06/2017	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	SETFA	CON %	07/06/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ABUTH	CON %	07/06/2017	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	PHBPU	CON %	07/06/2017	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	GLXMA	CON %	07/17/2017	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	SETFA	CON %	07/17/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	07/17/2017	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	07/17/2017	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	07/17/2017	05	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	PHBPU	CON %	07/17/2017	06	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	GLXMA	CON %	07/31/2017	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	07/31/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	07/31/2017	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	07/31/2017	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	AMBEL	CON %	07/31/2017	05	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	AMATA	CON %	07/31/2017	06	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	GLXMA	CON %	08/11/2017	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	SETFA	CON %	08/11/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	ABUTH	CON %	08/11/2017	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	AMBEL	CON %	08/11/2017	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
025	AMATA	CON %	08/11/2017	05	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
026	AMATA	CON %	08/11/2017	06	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = AG34X6 RR2XTEND