APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 5.8
%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	UNIT
TIMINGS	09	11	
TYPE	LIQUID MI	LIQUID MI	
APPLICATION DATE	06/06/19	07/06/19	AME
TIME - BEGIN	14:50	13:50	24H
TIME - END	15:00	14:00	24H
AIR TEMPERATURE	88	88	F
% REL.HUMIDITY	45	80	
WIND DIRECTION	EAST	WEST	
WIND SPEED	3.0	2.0	M/H
CLOUD COVER	PAR.CLOUD	PAR.CLOUD	
DEW	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	79/4.00	83/4.00	F/IN
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION			
NOZZLE VOLUME	0.00	0.00	GPM
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SCREEN SIZE			
SCREEN SZ DESC	N/A	N/A	
SWATH WIDTH	7.5	7.5	FT
BOOM HEIGHT	20.0	20.0	IN
SPEED	3.00	3.00	M/H
MIX SIZE	0.330	0.330	
MIX SIZE UNIT	GAL	GAL	
SPRAY VOLUME	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	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	
CROP *			
P, Soybean		---/15	
GH3546X RR2XTEND		8.00/10.0	IN
(PLANTED) 06/06/2019		30 DAP	
PEST *			
P, Waterhemp, commo		---/19	
		2.00/4.00	IN
P, Tall morning glo		---/15	
		2.00/6.00	IN

*** TIMING CODES**
09 = --- / PREEMERGENCE

*** TIMING CODES**
11 = --- / EPOST

*** STAGE CODE**
15 = TRIFOLIOLATE LEAF ON THE 5TH NODE UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Tavium Applications Compared to Competitor Residuals for Weed Control in Xtend Soybean System. Lost 40
CREATED: 04/14/2019 **REVISED:** 11/12/2019 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:**
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	AMATA CON % 07/08/19	PHBPU CON % 07/08/19	GLXMA CON % 07/08/19	AMATA CON % 07/12/19	PHBPU CON % 07/12/19	GLXMA CON % 07/12/19
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	BOUNDARY 6.5EC	1.46	LAA	9	99	81	2	99	93	2
B»	INTACT	0.50	PMV	11						
C»	CLASS ACT RIDI	1.00	PMV	11						
D»	TAVIUM PLUS 3.	1.50	LAA	11						
E»	RNDUP POWERMAX	1.00	LAA	11						
3A»	BROADAXE XC 7L	1.37	LAA	9	90	93	2	93	96	1
B»	INTACT	0.50	PMV	11						
C»	CLASS ACT RIDI	1.00	PMV	11						
D»	TAVIUM PLUS 3.	1.50	LAA	11						
E»	RNDUP POWERMAX	1.00	LAA	11						
4A»	PREFIX 5.29EC	1.32	LAA	9	98	78	2	98	93	1
B»	INTACT	0.50	PMV	11						
C»	CLASS ACT RIDI	1.00	PMV	11						
D»	TAVIUM PLUS 3.	1.50	LAA	11						
E»	RNDUP POWERMAX	1.00	LAA	11						
5A»	VALOR XLT 40WG	3.00	OMA	0	96	85	1	99	92	0
B»	VALOR SX 51WDG	0.056	LAA	9						
C	CLASSIC 25WG	0.019	LAA	9						
D»	INTACT	0.50	PMV	11						
E»	CLASS ACT RIDI	1.00	PMV	11						
F»	XTENDIMAX 2.9	0.50	LAA	11						
G»	RNDUP POWERMAX	1.00	LAA	11						
6A»	ZIDUA PRO 4.09	0.144	LAA	9	95	93	0	99	95	0
B»	INTACT	0.50	PMV	11						
C»	CLASS ACT RIDI	1.00	PMV	11						
D»	ENGENIA 5L	0.50	LAA	11						
E»	RNDUP POWERMAX	1.00	LAA	11						
	LSD (0.05)				4.7	25.2	0.4	2.1	10.8	0.6
	STANDARD DEVIATION				2.1	11.3	0.2	1.0	4.9	0.3

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PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	AMATA CON % 07/20/19	PHBPU CON % 07/20/19	GLXMA CON % 07/20/19	AMATA CON % 08/03/19	PHBPU CON % 08/03/19	GLXMA CON % 08/03/19
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	BOUNDARY 6.5EC	1.46	LAA	9	99	95	0	99	94	0
B»	INTACT	0.50	PMV	11						
C»	CLASS ACT RIDI	1.00	PMV	11						
D»	TAVIUM PLUS 3.	1.50	LAA	11						
E»	RNDUP POWERMAX	1.00	LAA	11						
3A»	BROADAXE XC 7L	1.37	LAA	9	98	99	0	98	99	0
B»	INTACT	0.50	PMV	11						
C»	CLASS ACT RIDI	1.00	PMV	11						
D»	TAVIUM PLUS 3.	1.50	LAA	11						
E»	RNDUP POWERMAX	1.00	LAA	11						
4A»	PREFIX 5.29EC	1.32	LAA	9	99	95	0	99	94	0
B»	INTACT	0.50	PMV	11						
C»	CLASS ACT RIDI	1.00	PMV	11						
D»	TAVIUM PLUS 3.	1.50	LAA	11						
E»	RNDUP POWERMAX	1.00	LAA	11						
5A»	VALOR XLT 40WG	3.00	OMA	0	99	94	0	99	95	0
B»	VALOR SX 51WDG	0.056	LAA	9						
C	CLASSIC 25WG	0.019	LAA	9						
D»	INTACT	0.50	PMV	11						
E»	CLASS ACT RIDI	1.00	PMV	11						
F»	XTENDIMAX 2.9	0.50	LAA	11						
G»	RNDUP POWERMAX	1.00	LAA	11						
6A»	ZIDUA PRO 4.09	0.144	LAA	9	99	97	0	99	97	0
B»	INTACT	0.50	PMV	11						
C»	CLASS ACT RIDI	1.00	PMV	11						
D»	ENGENIA 5L	0.50	LAA	11						
E»	RNDUP POWERMAX	1.00	LAA	11						
	LSD (0.05)				1.7	6.6	0.0	1.7	6.8	0.0
	STANDARD DEVIATION				0.8	3.0	0.0	0.8	3.1	0.0

TITLE: Tavium Applications Compared to Competitor Residuals for Weed Control in Xtend Soybean System. Lost 40
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PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:**
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 % 10/09/19	AMATA CON % 10/09/19	PHBPU CON % 10/09/19	YIELD BU/A 11/05/19
1A	CHECK	0.00	NA	0	0	0	0	49.3
2A	BOUNDARY 6.5EC	1.46	LAA	9	0	99	93	62.5
	B»INTACT	0.50	PMV	11				
	C»CLASS ACT RIDI	1.00	PMV	11				
	D»TAVIUM PLUS 3.	1.50	LAA	11				
	E»RNDUP POWERMAX	1.00	LAA	11				
3A	»BROADAXE XC 7L	1.37	LAA	9	0	98	99	61.9
	B»INTACT	0.50	PMV	11				
	C»CLASS ACT RIDI	1.00	PMV	11				
	D»TAVIUM PLUS 3.	1.50	LAA	11				
	E»RNDUP POWERMAX	1.00	LAA	11				
4A	»PREFIX 5.29EC	1.32	LAA	9	0	99	94	61.8
	B»INTACT	0.50	PMV	11				
	C»CLASS ACT RIDI	1.00	PMV	11				
	D»TAVIUM PLUS 3.	1.50	LAA	11				
	E»RNDUP POWERMAX	1.00	LAA	11				
5A	»VALOR XLT 40WG	3.00	OMA	0	0	99	94	62.3
	B»VALOR SX 51WDG	0.056	LAA	9				
	C CLASSIC 25WG	0.019	LAA	9				
	D»INTACT	0.50	PMV	11				
	E»CLASS ACT RIDI	1.00	PMV	11				
	F»XTENDIMAX 2.9	0.50	LAA	11				
	G»RNDUP POWERMAX	1.00	LAA	11				
6A	»ZIDUA PRO 4.09	0.144	LAA	9	0	99	94	61.9
	B»INTACT	0.50	PMV	11				
	C»CLASS ACT RIDI	1.00	PMV	11				
	D»ENGENIA 5L	0.50	LAA	11				
	E»RNDUP POWERMAX	1.00	LAA	11				
	LSD (0.05)				0.0	1.7	8.5	13.71
	STANDARD DEVIATION				0.0	0.8	3.8	6.15

» **= SUPPLEMENTAL CHEMICAL**

*** TIMING CODES**
00 = --- / UNTREATED TIMING
09 = --- / PREEMERGENCE 06/06/2019(1)
11 = --- / EPOST 07/06/2019(2)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
002	AMATA	CON %	07/08/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	PHBPU	CON %	07/08/2019	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
001	GLXMA	CON %	07/08/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMATA	CON %	07/12/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	07/12/2019	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	GLXMA	CON %	07/12/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMATA	CON %	07/20/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	PHBPU	CON %	07/20/2019	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	07/20/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	08/03/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	08/03/2019	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	GLXMA	CON %	08/03/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	GLXMA	CON %	10/09/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	AMATA	CON %	10/09/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	PHBPU	CON %	10/09/2019	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	YIELD	BU/A	11/05/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

*** SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)**
01 = GH3546X RR2XTEND