

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
PH: 5.8  
%OM: 2.7  
PREV.CROP: GLXMA - SOYBEAN  
%RESIDUE: 0  
PLOT WIDTH: 7.5 X 30 FEET  
PLOT AREA: 225 FEET

DESIGN: RCB  
REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQUID MI	LIQUID MI	
APPLICATION DATE	04/25/17	06/05/17	AME
TIME - BEGIN	07:00	08:20	24H
TIME - END	07:15	08:40	24H
AIR TEMPERATURE	54	77	F
% REL.HUMIDITY	67	63	
WIND DIRECTION	SOUTHEAST	NORTHWEST	
WIND SPEED	3.0	1.0	M/H
CLOUD COVER	PAR.CLOUD	CLEAR-0%	
DEW	TO BE SEL	NO	
SOIL MOISTURE	DRY/ DRY	DRY/MOIST	
SOIL CONDITION	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	57/4.00	78/4.00	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	NA	NA	
SWATH WIDTH	7.5	7.5	FT
BOOM HEIGHT	20.0	20.0	IN
SPEED	3.00	3.00	M/H
MIX SIZE	0.250	0.250	
MIX SIZE UNIT	GAL	GAL	
SPRAY VOLUME	15.00	15.00	
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, CORN, DENT G10T63-3122 E-Z (PLANTED) 04/24/2017		---/15 10.0/10.0 42 DAP	IN
PEST *			
P, VELVETLEAF		---/14 2.00/3.00	IN
P, MORNINGGLORY, TA		---/13 1.00/2.00	IN
P, FOXTAIL, GIANT		---/13 2.00/3.00	IN

\* TIMING CODES

09 = --- / PREEMERGENCE  
12 = --- / POST

\* STAGE CODE

13 = 3 LEAVES UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5 LEAVES UNFOLDED

TRIAL # US 158/17/01 00301 : UCISK2\* M-10S  
DATA MEAN

TITLE: Weed Control Systems Using Tolpyralate Combinations in Corn. C-500  
 CREATED: 04/18/2017 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			ZEAMD	ABUTH	SETFA	PHBPU	ZEAMD	ABUTH	
		RATE	UNIT	TM	CON % 06/12/17	CON % 06/12/17	CON % 06/12/17	CON % 06/12/17	CON % 06/20/17	CON % 06/20/17	
1A»	DUAL II MAGNUM	1.60	LAA	9	0	50	50	50	0	13	
2A»	DUAL II MAGNUM	1.60	LAA	9	0	96	99	96	0	96	
	B»SHIELDEX 3.33S	0.022	LAA	12							
	C»MSO	0.50	PMV	12							
	D 28% UAN	2.50	PMV	12							
3A»	DUAL II MAGNUM	1.60	LAA	9	0	98	99	95	0	98	
	B»SHIELDEX 3.33S	0.027	LAA	12							
	C»MSO	0.50	PMV	12							
	D 28% UAN	2.50	PMV	12							
4A»	DUAL II MAGNUM	1.60	LAA	9	0	95	99	92	0	98	
	B»SHIELDEX 3.33S	0.036	LAA	12							
	C»MSO	0.50	PMV	12							
	D 28% UAN	2.50	PMV	12							
5A»	DUAL II MAGNUM	1.60	LAA	9	0	99	99	99	0	99	
	B»SHIELDEX 3.33S	0.022	LAA	12							
	C ATRAZINE DF	1.00	LAA	12							
	D»MSO	0.50	PMV	12							
	E 28% UAN	2.50	PMV	12							
6A»	DUAL II MAGNUM	1.60	LAA	9	0	99	99	98	0	99	
	B»SHIELDEX 3.33S	0.027	LAA	12							
	C ATRAZINE DF	1.00	LAA	12							
	D»MSO	0.50	PMV	12							
	E 28% UAN	2.50	PMV	12							
7A	CHECK	0.00	NA	0	0	0	0	0	0	0	
8A»	DUAL II MAGNUM	1.60	LAA	9	0	99	99	99	0	99	
	B»SHIELDEX 3.33S	0.036	LAA	12							
	C ATRAZINE DF	1.00	LAA	12							
	D»MSO	0.50	PMV	12							
	E 28% UAN	2.50	PMV	12							
9A»	DUAL II MAGNUM	1.60	LAA	9	0	95	99	95	0	79	
	B IMPACT 2.8SC	0.021	LAA	12							
	C»MSO	0.50	PMV	12							
	D 28% UAN	2.50	PMV	12							
10A»	DUAL II MAGNUM	1.60	LAA	9	0	99	99	99	0	99	
	B IMPACT 2.8SC	0.021	LAA	12							
	C ATRAZINE DF	1.00	LAA	12							
	D»MSO	0.50	PMV	12							
	E 28% UAN	2.50	PMV	12							
					LSL (0.05)	0.0	1.7	0.0	3.3	0.0	3.9
					STANDARD DEVIATION	0.0	0.8	0.0	1.6	0.0	1.8

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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 NUM	TREATMENT COMPONENT	DOSAGE			SETFA	PHBPU	ZEAMD	ABUTH	SETFA	PHBPU
		RATE	UNIT	TM	CON % 06/20/17	CON % 06/20/17	CON % 07/05/17	CON % 07/05/17	CON % 07/05/17	CON % 07/05/17
1A»	DUAL II MAGNUM	1.60	LAA	9	93	33	0	13	90	37
2A»	DUAL II MAGNUM	1.60	LAA	9	99	84	0	92	99	87
	B»SHIELDEX 3.33S	0.022	LAA	12						
	C»MSO	0.50	PMV	12						
	D 28% UAN	2.50	PMV	12						
3A»	DUAL II MAGNUM	1.60	LAA	9	99	91	0	98	99	83
	B»SHIELDEX 3.33S	0.027	LAA	12						
	C»MSO	0.50	PMV	12						
	D 28% UAN	2.50	PMV	12						
4A»	DUAL II MAGNUM	1.60	LAA	9	99	88	0	98	99	85
	B»SHIELDEX 3.33S	0.036	LAA	12						
	C»MSO	0.50	PMV	12						
	D 28% UAN	2.50	PMV	12						
5A»	DUAL II MAGNUM	1.60	LAA	9	99	94	0	99	99	91
	B»SHIELDEX 3.33S	0.022	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»MSO	0.50	PMV	12						
	E 28% UAN	2.50	PMV	12						
6A»	DUAL II MAGNUM	1.60	LAA	9	99	98	0	98	99	94
	B»SHIELDEX 3.33S	0.027	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»MSO	0.50	PMV	12						
	E 28% UAN	2.50	PMV	12						
7A	CHECK	0.00	NA	0	0	0	0	0	0	0
8A»	DUAL II MAGNUM	1.60	LAA	9	99	97	0	99	99	96
	B»SHIELDEX 3.33S	0.036	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»MSO	0.50	PMV	12						
	E 28% UAN	2.50	PMV	12						
9A»	DUAL II MAGNUM	1.60	LAA	9	96	80	0	77	98	82
	B IMPACT 2.8SC	0.021	LAA	12						
	C»MSO	0.50	PMV	12						
	D 28% UAN	2.50	PMV	12						
10A»	DUAL II MAGNUM	1.60	LAA	9	99	97	0	98	98	97
	B IMPACT 2.8SC	0.021	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»MSO	0.50	PMV	12						
	E 28% UAN	2.50	PMV	12						
					LSL (0.05)					
					STANDARD DEVIATION					

TRIAL # US 158/17/01 00301 : UCISK2\* M-10S  
DATA MEAN

**TITLE:** Weed Control Systems Using Tolpyralate Combinations in Corn. C-500  
**CREATED:** 04/18/2017 **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			ZEAMD	ABUTH	SETFA	PHBPU
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					07/20/17	07/20/17	07/20/17	07/20/17
1A	DUAL II MAGNUM	1.60	LAA	9	0	13	90	37
2A	DUAL II MAGNUM	1.60	LAA	9	0	92	99	87
	B>>SHIELDEX 3.33S	0.022	LAA	12				
	C>>MSO	0.50	PMV	12				
	D 28% UAN	2.50	PMV	12				
3A	DUAL II MAGNUM	1.60	LAA	9	0	98	99	83
	B>>SHIELDEX 3.33S	0.027	LAA	12				
	C>>MSO	0.50	PMV	12				
	D 28% UAN	2.50	PMV	12				
4A	DUAL II MAGNUM	1.60	LAA	9	0	96	99	85
	B>>SHIELDEX 3.33S	0.036	LAA	12				
	C>>MSO	0.50	PMV	12				
	D 28% UAN	2.50	PMV	12				
5A	DUAL II MAGNUM	1.60	LAA	9	0	98	99	90
	B>>SHIELDEX 3.33S	0.022	LAA	12				
	C ATRAZINE DF	1.00	LAA	12				
	D>>MSO	0.50	PMV	12				
	E 28% UAN	2.50	PMV	12				
6A	DUAL II MAGNUM	1.60	LAA	9	0	96	99	93
	B>>SHIELDEX 3.33S	0.027	LAA	12				
	C ATRAZINE DF	1.00	LAA	12				
	D>>MSO	0.50	PMV	12				
	E 28% UAN	2.50	PMV	12				
7A	CHECK	0.00	NA	0	0	0	0	0
8A	DUAL II MAGNUM	1.60	LAA	9	0	99	99	95
	B>>SHIELDEX 3.33S	0.036	LAA	12				
	C ATRAZINE DF	1.00	LAA	12				
	D>>MSO	0.50	PMV	12				
	E 28% UAN	2.50	PMV	12				
9A	DUAL II MAGNUM	1.60	LAA	9	0	77	98	82
	B IMPACT 2.8SC	0.021	LAA	12				
	C>>MSO	0.50	PMV	12				
	D 28% UAN	2.50	PMV	12				
10A	DUAL II MAGNUM	1.60	LAA	9	0	98	97	95
	B IMPACT 2.8SC	0.021	LAA	12				
	C ATRAZINE DF	1.00	LAA	12				
	D>>MSO	0.50	PMV	12				
	E 28% UAN	2.50	PMV	12				
		LSD (0.05)			0.0	4.9	1.6	10.3
		STANDARD DEVIATION			0.0	2.3	0.8	4.9

» = SUPPLEMENTAL CHEMICAL

**\* TIMING CODES**

00 = --- / UNTREATED TIMING  
 09 = --- / PREEMERGENCE 04/25/2017(1)  
 12 = --- / POST 06/05/2017(2)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	CON %	06/12/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ABUTH	CON %	06/12/2017	02	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	SETFA	CON %	06/12/2017	03	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	PHBPU	CON %	06/12/2017	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TRIAL # US 158/17/01 003 01 : UCISK2\* M-10S  
 DATA MEAN

TITLE: Weed Control Systems Using Tolpyralate Combinations in Corn. C-500

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
005	ZEAMD	CON %	06/20/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ABUTH	CON %	06/20/2017	02	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/20/2017	03	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	PHBPU	CON %	06/20/2017	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ZEAMD	CON %	07/05/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ABUTH	CON %	07/05/2017	02	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	SETFA	CON %	07/05/2017	03	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	07/05/2017	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD	CON %	07/20/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	CON %	07/20/2017	02	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	SETFA	CON %	07/20/2017	03	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	PHBPU	CON %	07/20/2017	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = G10T63-3122 E-Z