

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.3
%OM: 3.4
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: 0
PLOT WIDTH: 7.5 X 35 FEET
PLOT AREA: 262.5 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQUID MI	LIQUID MI	
APPLICATION DATE	04/21/17	06/05/17	AME
TIME - BEGIN	09:30	09:00	24H
TIME - END	10:00	09:15	24H
AIR TEMPERATURE	54	78	F
% REL.HUMIDITY	60	64	
WIND DIRECTION	NORTH	NORTHWEST	
WIND SPEED	6.0	3.0	M/H
CLOUD COVER	CLOUDY--6	CLEAR-0%	
DEW	TO BE SEL	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	58/4.00	79/4.00	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	0.290	0.290	
MIX SIZE UNIT	GAL	GAL	
SPRAY VOLUME	15.00	15.00	
SPRAY VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	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) 04/20/2017		---/16 10.0/10.0 46 DAP	IN
PEST *			
P, VELVETLEAF		---/14 2.00/3.00	IN
P, RAGWEED, COMMON		---/18 2.00/4.00	IN
P, MORNINGGLORY, TA		---/13 1.00/2.00	IN

*** CONTINUE

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

* TIMING CODES

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

* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 13 = 3 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 16 = 6 LEAVES UNFOLDED
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRIAL # US 107/17/01 00301 : UCISK1* C-500
DATA MEAN

TITLE: Weed Control Systems Using Tolpyralate Combinations in Corn. C-500
 CREATED: 04/17/2017 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 35.00 FT LONG
 PLOT AREA: 262.50 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	PHBPU	AMBEL	ABUTH	SETFA	ZEAMD
		RATE	UNIT	TM	CON % 06/12/17	CON % 06/12/17	CON % 06/12/17	CON % 06/12/17	CON % 06/12/17	CON % 06/20/17
1A»	DUAL II MAGNUM	1.60	LAA	9	0	65	58	71	99	0
2A»	DUAL II MAGNUM	1.60	LAA	9	0	65	87	99	99	0
	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	67	72	71	91	0
	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	65	83	90	99	0
	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	78	90	93	93	0
	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	92	90	98	99	0
	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	80	90	99	99	0
	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	82	90	99	96	0
	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	87	93	99	99	0
	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	3.6	12.0	17.9	8.0	0.0
	STANDARD DEVIATION				0.0	1.7	5.7	8.5	3.8	0.0

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 PLOT AREA: 262.50 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			PHBPU	AMBEL	ABUTH	SETFA	ZEAMD	PHBPU	
		RATE	UNIT	TM	CON % 06/20/17	CON % 06/20/17	CON % 06/20/17	CON % 06/20/17	CON % 07/06/17	CON % 07/06/17	
1A»	DUAL II MAGNUM	1.60	LAA	9	0	7	0	93	0	0	
2A»	DUAL II MAGNUM	1.60	LAA	9	20	52	73	99	0	37	
	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	33	78	98	99	0	57	
	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	37	81	99	99	0	65	
	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	62	99	99	99	0	75	
	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	67	99	99	99	0	76	
	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	67	99	99	99	0	68	
	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	37	77	99	99	0	52	
	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	78	99	99	99	0	75	
	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)	11.3	10.9	1.7	1.6	0.0	16.8
					STANDARD DEVIATION	5.4	5.2	0.8	0.7	0.0	8.0

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 PLOT AREA: 262.50 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			AMBEL	ABUTH	SETFA	ZEAMD	PHBPU	AMBEL
		RATE	UNIT	TM	CON % 07/06/17	CON % 07/06/17	CON % 07/06/17	CON % 07/20/17	CON % 07/20/17	CON % 07/20/17
1A»	DUAL II MAGNUM	1.60	LAA	9	27	0	92	0	0	43
2A»	DUAL II MAGNUM	1.60	LAA	9	82	99	87	0	37	78
	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	99	99	0	57	99
	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	99	99	0	63	99
	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	99	99	0	73	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	99	99	99	0	72	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	99	99	99	0	67	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	92	99	94	0	50	93
	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	99	99	0	72	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						
					LSLSD (0.05)					
					12.4	0.0	5.3	0.0	15.5	16.7
					STANDARD DEVIATION					
					5.9	0.0	2.5	0.0	7.4	7.9

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 DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
 PLOT SIZE: 7.50 FT WIDE X 35.00 FT LONG
 PLOT AREA: 262.50 SFT

REPS: 03

TRT	TREATMENT	DOSAGE			ABUTH	SETFA
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %
					07/20/17	07/20/17
1A»	DUAL II MAGNUM	1.60	LAA	9	0	87
2A»	DUAL II MAGNUM	1.60	LAA	9	99	85
	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	99
	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	99
	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	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	99	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
8A»	DUAL II MAGNUM	1.60	LAA	9	99	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	99	93
	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	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		
		LSD (0.05)			0.0	5.8
		STANDARD DEVIATION			0.0	2.8

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING
 09 = --- / PREEMERGENCE 04/21/2017(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	CTR	SS	NOTE
001	ZEAMD	CON %	06/12/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	PHBPU	CON %	06/12/2017	02	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMBEL	CON %	06/12/2017	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/12/2017	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
005	SETFA	CON %	06/12/2017	05	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	06/20/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	06/20/2017	02	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMBEL	CON %	06/20/2017	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	06/20/2017	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	SETFA	CON %	06/20/2017	05	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD	CON %	07/06/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	07/06/2017	02	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMBEL	CON %	07/06/2017	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	CON %	07/06/2017	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	SETFA	CON %	07/06/2017	05	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	ZEAMD	CON %	07/20/2017	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	PHBPU	CON %	07/20/2017	02	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	AMBEL	CON %	07/20/2017	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ABUTH	CON %	07/20/2017	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	SETFA	CON %	07/20/2017	05	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)
 01 = G10T63-3122 E-Z