

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.6
 %OM: 4.7
 PREV.CROP: GLXMA - soybean;soya bean;soybean
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET
 PLOT AREA: 225 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQUID MI	LIQUID MI	LIQUID MI	
APPLICATION DATE	04/19/16	05/27/16	06/03/16	AME
TIME - BEGIN	13:45	06:50	11:33	24H
TIME - END	14:00	07:15	12:15	24H
AIR TEMPERATURE	77	70	83	F
% REL.HUMIDITY	36	87	38	
WIND DIRECTION	SOUTH	SOUTH	NORTH	
WIND SPEED	7.0	5.0	4.0	M/H
CLOUD COVER	PAR.CLOUD	OVERCAST-	PAR.CLOUD	
DEW	TO BE SEL	YES	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	DRY/MOIST	
SOIL CONDITION	TO BE SEL	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	65/4.00	69/4.00	76/4.00	F/IN
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION				
NOZZLE VOLUME	0.00	0.00	0.00	GPM
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SCREEN SIZE				
SCREEN SZ DESC	NA	NA	NA	
SWATH WIDTH	7.5	7.5	7.5	FT
BOOM HEIGHT	20.0	20.0	20.0	IN
SPEED	3.00	3.00	3.00	M/H
MIX SIZE	0.330	0.330	0.330	
MIX SIZE UNIT	GAL	GAL	GAL	
SPRAY VOLUME	20.00	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	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	
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	
CROP *				
P, dent corn N68K-3111A (PLANTED) 04/19/2016		---/13 7.00/8.00 38 DAP	---/15 10.0/12.0 45 DAP	IN
PEST *				
P, velvetleaf;velve		---/14 1.00/3.00	---/14 2.00/4.00	IN
P, tall amaranth;co		---/13 0.50/0.50	---/10 0.50/0.50	IN
P, common lambsquar		---/15 0.50/1.00	---/19 2.00/4.00	IN

*** CONTINUE

SPECIE AND STAGE	DEN / STG	DEN / STG	DEN / STG	
	MIN / MAX	MIN / MAX	MIN / MAX	
PEST * P, common morning g		---/15 2.00/4.00	---/18 4.00/6.00	IN
P, giant foxtail;no		---/14 2.00/5.00	---/14 3.00/8.00	IN
P, beach cocklebur;		---/13 3.00/4.00	---/14 3.00/4.00	IN

* TIMING CODES

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

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
 13 = 3 LEAVES UNFOLDED
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 14 = 4 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 15 = 5 LEAVES UNFOLDED
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Weed Control Systems Using Tolpyralate Combinations in Corn. AS-100
CREATED: 04/08/2016 **REVISED:** 08/24/2016 **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	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	7 DAT 06/02/16	7 DAT 06/02/16	7 DAT 06/02/16	7 DAT 06/02/16	7 DAT 06/02/16	7 DAT 06/02/16
1A»	DUAL II MAGNUM	1.43	LAA	9	0	96	80	98	37	17
2A»	TOLPYRALATE 3.	0.026	LAA	11	0	94	99	99	99	89
	B ATRAZINE DF	0.875	LAA	11						
	C»MSO	0.50	PMV	11						
	D 28% UAN	2.50	PMV	11						
3A»	TOLPYRALATE 3.	0.036	LAA	11	0	95	99	99	99	92
	B ATRAZINE DF	0.875	LAA	11						
	C»MSO	0.50	PMV	11						
	D 28% UAN	2.50	PMV	11						
4A»	TOLPYRALATE 3.	0.026	LAA	11	5	96	99	99	99	95
	B ATRAZINE DF	0.875	LAA	11						
	C DUAL II MAGNUM	1.91	LAA	11						
	D»MSO	0.50	PMV	11						
	E 28% UAN	2.50	PMV	11						
5A»	TOLPYRALATE 3.	0.026	LAA	11	5	97	99	99	99	95
	B ATRAZINE DF	0.875	LAA	11						
	C»SURPASS NXT	1.969	LAA	11						
	D»MSO	0.50	PMV	11						
	E 28% UAN	2.50	PMV	11						
6A»	TOLPYRALATE 3.	0.026	LAA	11	0	93	99	99	99	99
	B ATRAZINE DF	0.875	LAA	11						
	C»STATUS 56DG	0.175	LAA	11						
	D»MSO	0.50	PMV	11						
	E 28% UAN	2.50	PMV	11						
7A	DUAL II MAGNUM	1.43	LAA	9	0	99	99	99	99	74
	B»TOLPYRALATE 3.	0.026	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»MSO	0.50	PMV	12						
	E 28% UAN	2.50	PMV	12						
8A	DUAL II MAGNUM	1.43	LAA	9	0	99	99	99	99	80
	B»TOLPYRALATE 3.	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	1.43	LAA	9	9	99	99	99	99	88
	B»TOLPYRALATE 3.	0.026	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D DUAL II MAGNUM	1.91	LAA	12						
	E»MSO	0.50	PMV	12						
	F 28% UAN	2.50	PMV	12						
10A	DUAL II MAGNUM	1.43	LAA	9	11	99	99	99	99	91
	B»TOLPYRALATE 3.	0.026	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D»SURPASS NXT	1.969	LAA	12						
	E»MSO	0.50	PMV	12						
	F 28% UAN	2.50	PMV	12						
11A	DUAL II MAGNUM	1.43	LAA	9	0	99	99	99	99	94
	B»TOLPYRALATE 3.	0.036	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D»RNDUP POWERMAX	0.77	LAA	12						
	E»MSO	0.50	PMV	12						
	F 28% UAN	2.50	PMV	12						
12A	CHECK	0.00	NA	0	0	0	0	0	0	0

TITLE: Weed Control Systems Using Tolpyralate Combinations in Corn. AS-100

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT		7 DAT 06/02/16	7 DAT 06/02/16	7 DAT 06/02/16	7 DAT 06/02/16	7 DAT 06/02/16	7 DAT 06/02/16
13A	DUAL II MAGNUM	1.43	LAA	9	5	98	99	99	99	78
	B»TOLPYRALATE 3.	0.036	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D»STEADFAST Q 37	1.50	OMA	0						
	E RESOLVE 25DF	0.0119	LAA	12						
	F ACCENT 75WG	0.0238	LAA	12						
	G»ISOXADIFEN-ETH	0.0078	LAA	12						
	H»MSO	0.50	PMV	12						
	I 28% UAN	2.50	PMV	12						
14A	DUAL II MAGNUM	1.43	LAA	9	0	94	99	99	99	94
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D»COC	0.50	PMV	12						
	E 28% UAN	2.50	PMV	12						
15A	DUAL II MAGNUM	1.43	LAA	9	0	99	97	99	99	84
	B IMPACT 2.8SC	0.021	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D»MSO	0.50	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
16A	DUAL II MAGNUM	1.43	LAA	9	0	99	99	99	99	99
	B»TOLPYRALATE 3.	0.036	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»LIBERTY 2.34L	0.42	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			3.4	3.5	2.2	1.0	6.4	6.4
		STANDARD DEVIATION			1.6	1.7	1.1	0.5	3.1	3.1

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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			XANST	ZEAMD	SETFA	CHEAL	AMATA	ABUTH
		RATE	UNIT	TM	7 DAT 06/02/16	14 DAT 06/09/16	14 DAT 06/09/16	14 DAT 06/09/16	14 DAT 06/09/16	14 DAT 06/09/16
1A»	DUAL II MAGNUM	1.43	LAA	9	17	0	84	77	90	0
2A»	TOLPYRALATE 3.	0.026	LAA	11	99	0	92	99	99	99
	B ATRAZINE DF	0.875	LAA	11						
	C»MSO	0.50	PMV	11						
	D 28% UAN	2.50	PMV	11						
3A»	TOLPYRALATE 3.	0.036	LAA	11	99	0	96	99	99	99
	B ATRAZINE DF	0.875	LAA	11						
	C»MSO	0.50	PMV	11						
	D 28% UAN	2.50	PMV	11						
4A»	TOLPYRALATE 3.	0.026	LAA	11	99	0	96	99	99	99
	B ATRAZINE DF	0.875	LAA	11						
	C DUAL II MAGNUM	1.91	LAA	11						
	D»MSO	0.50	PMV	11						
	E 28% UAN	2.50	PMV	11						
5A»	TOLPYRALATE 3.	0.026	LAA	11	99	0	98	99	99	99
	B ATRAZINE DF	0.875	LAA	11						
	C»SURPASS NXT	1.969	LAA	11						
	D»MSO	0.50	PMV	11						
	E 28% UAN	2.50	PMV	11						
6A»	TOLPYRALATE 3.	0.026	LAA	11	99	0	89	99	99	99
	B ATRAZINE DF	0.875	LAA	11						
	C»STATUS 56DG	0.175	LAA	11						
	D»MSO	0.50	PMV	11						
	E 28% UAN	2.50	PMV	11						
7A	DUAL II MAGNUM	1.43	LAA	9	95	0	99	99	99	99
	B»TOLPYRALATE 3.	0.026	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»MSO	0.50	PMV	12						
	E 28% UAN	2.50	PMV	12						
8A	DUAL II MAGNUM	1.43	LAA	9	95	0	99	99	99	99
	B»TOLPYRALATE 3.	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	1.43	LAA	9	94	2	99	99	99	99
	B»TOLPYRALATE 3.	0.026	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D DUAL II MAGNUM	1.91	LAA	12						
	E»MSO	0.50	PMV	12						
	F 28% UAN	2.50	PMV	12						
10A	DUAL II MAGNUM	1.43	LAA	9	94	0	99	99	99	99
	B»TOLPYRALATE 3.	0.026	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D»SURPASS NXT	1.969	LAA	12						
	E»MSO	0.50	PMV	12						
	F 28% UAN	2.50	PMV	12						
11A	DUAL II MAGNUM	1.43	LAA	9	99	0	99	99	99	99
	B»TOLPYRALATE 3.	0.036	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D»RNDUP POWERMAX	0.77	LAA	12						
	E»MSO	0.50	PMV	12						
	F 28% UAN	2.50	PMV	12						
12A	CHECK	0.00	NA	0	0	0	0	0	0	0

TITLE: Weed Control Systems Using Tolpyralate Combinations in Corn. AS-100

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	XANST	ZEAMD	SETFA	CHEAL	AMATA	ABUTH
		RATE	UNIT		7 DAT 06/02/16	14 DAT 06/09/16	14 DAT 06/09/16	14 DAT 06/09/16	14 DAT 06/09/16	14 DAT 06/09/16
13A	DUAL II MAGNUM	1.43	LAA	9	92	0	99	99	99	99
	B»TOLPYRALATE 3.	0.036	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D»STEADFAST Q 37	1.50	OMA	0						
	E RESOLVE 25DF	0.0119	LAA	12						
	F ACCENT 75WG	0.0238	LAA	12						
	G»ISOXADIFEN-ETH	0.0078	LAA	12						
	H»MSO	0.50	PMV	12						
	I 28% UAN	2.50	PMV	12						
14A	DUAL II MAGNUM	1.43	LAA	9	97	1	86	99	99	99
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D»COC	0.50	PMV	12						
	E 28% UAN	2.50	PMV	12						
15A	DUAL II MAGNUM	1.43	LAA	9	93	0	99	99	99	99
	B IMPACT 2.8SC	0.021	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D»MSO	0.50	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
16A	DUAL II MAGNUM	1.43	LAA	9	99	0	98	99	99	99
	B»TOLPYRALATE 3.	0.036	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»LIBERTY 2.34L	0.42	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			3.6	1.1	4.5	2.4	0.0	0.0
		STANDARD DEVIATION			1.8	0.5	2.2	1.2	0.0	0.0

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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	XANST	ZEAMD	SETFA	CHEAL	AMATA
		RATE	UNIT	TM	14 DAT 06/09/16	14 DAT 06/09/16	30 DAT 06/24/16	30 DAT 06/24/16	30 DAT 06/24/16	30 DAT 06/24/16
1A»	DUAL II MAGNUM	1.43	LAA	9	0	0	0	89	73	90
2A»	TOLPYRALATE 3.	0.026	LAA	11	91	99	0	83	99	99
	B ATRAZINE DF	0.875	LAA	11						
	C»MSO	0.50	PMV	11						
	D 28% UAN	2.50	PMV	11						
3A»	TOLPYRALATE 3.	0.036	LAA	11	90	99	0	84	99	99
	B ATRAZINE DF	0.875	LAA	11						
	C»MSO	0.50	PMV	11						
	D 28% UAN	2.50	PMV	11						
4A»	TOLPYRALATE 3.	0.026	LAA	11	94	99	0	89	99	99
	B ATRAZINE DF	0.875	LAA	11						
	C DUAL II MAGNUM	1.91	LAA	11						
	D»MSO	0.50	PMV	11						
	E 28% UAN	2.50	PMV	11						
5A»	TOLPYRALATE 3.	0.026	LAA	11	95	99	0	89	99	99
	B ATRAZINE DF	0.875	LAA	11						
	C»SURPASS NXT	1.969	LAA	11						
	D»MSO	0.50	PMV	11						
	E 28% UAN	2.50	PMV	11						
6A»	TOLPYRALATE 3.	0.026	LAA	11	99	99	0	86	99	99
	B ATRAZINE DF	0.875	LAA	11						
	C»STATUS 56DG	0.175	LAA	11						
	D»MSO	0.50	PMV	11						
	E 28% UAN	2.50	PMV	11						
7A	DUAL II MAGNUM	1.43	LAA	9	53	88	0	99	99	99
	B»TOLPYRALATE 3.	0.026	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»MSO	0.50	PMV	12						
	E 28% UAN	2.50	PMV	12						
8A	DUAL II MAGNUM	1.43	LAA	9	62	93	0	99	99	99
	B»TOLPYRALATE 3.	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	1.43	LAA	9	60	93	0	99	99	99
	B»TOLPYRALATE 3.	0.026	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D DUAL II MAGNUM	1.91	LAA	12						
	E»MSO	0.50	PMV	12						
	F 28% UAN	2.50	PMV	12						
10A	DUAL II MAGNUM	1.43	LAA	9	67	95	0	99	99	99
	B»TOLPYRALATE 3.	0.026	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D»SURPASS NXT	1.969	LAA	12						
	E»MSO	0.50	PMV	12						
	F 28% UAN	2.50	PMV	12						
11A	DUAL II MAGNUM	1.43	LAA	9	90	99	0	99	99	99
	B»TOLPYRALATE 3.	0.036	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D»RNDUP POWERMAX	0.77	LAA	12						
	E»MSO	0.50	PMV	12						
	F 28% UAN	2.50	PMV	12						
12A	CHECK	0.00	NA	0	0	0	0	0	0	0

TITLE: Weed Control Systems Using Tolpyralate Combinations in Corn. AS-100

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	PHBPU	XANST	ZEAMD	SETFA	CHEAL	AMATA
		RATE	UNIT		14 DAT 06/09/16	14 DAT 06/09/16	30 DAT 06/24/16	30 DAT 06/24/16	30 DAT 06/24/16	30 DAT 06/24/16
13A	DUAL II MAGNUM	1.43	LAA	9	83	98	0	99	99	99
	B»TOLPYRALATE 3.	0.036	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D»STEADFAST Q 37	1.50	OMA	0						
	E RESOLVE 25DF	0.0119	LAA	12						
	F ACCENT 75WG	0.0238	LAA	12						
	G»ISOXADIFEN-ETH	0.0078	LAA	12						
	H»MSO	0.50	PMV	12						
	I 28% UAN	2.50	PMV	12						
14A	DUAL II MAGNUM	1.43	LAA	9	90	98	0	88	99	99
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D»COC	0.50	PMV	12						
	E 28% UAN	2.50	PMV	12						
15A	DUAL II MAGNUM	1.43	LAA	9	70	93	0	96	99	99
	B IMPACT 2.8SC	0.021	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D»MSO	0.50	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
16A	DUAL II MAGNUM	1.43	LAA	9	98	99	0	98	99	99
	B»TOLPYRALATE 3.	0.036	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»LIBERTY 2.34L	0.42	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			10.2	3.1	0.0	4.8	2.4	2.1
		STANDARD DEVIATION			5.0	1.5	0.0	2.3	1.2	1.0

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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			ABUTH	PHBPU	XANST	ZEAMD	SETFA	CHEAL
		RATE	UNIT	TM	30 DAT 06/24/16	30 DAT 06/24/16	30 DAT 06/24/16	45 DAT 07/09/16	45 DAT 07/09/16	45 DAT 07/09/16
1A»	DUAL II MAGNUM	1.43	LAA	9	0	0	0	0	89	73
2A»	TOLPYRALATE 3.	0.026	LAA	11	99	86	98	0	67	99
	B ATRAZINE DF	0.875	LAA	11						
	C»MSO	0.50	PMV	11						
	D 28% UAN	2.50	PMV	11						
3A»	TOLPYRALATE 3.	0.036	LAA	11	99	83	98	0	78	99
	B ATRAZINE DF	0.875	LAA	11						
	C»MSO	0.50	PMV	11						
	D 28% UAN	2.50	PMV	11						
4A»	TOLPYRALATE 3.	0.026	LAA	11	99	86	99	0	82	99
	B ATRAZINE DF	0.875	LAA	11						
	C DUAL II MAGNUM	1.91	LAA	11						
	D»MSO	0.50	PMV	11						
	E 28% UAN	2.50	PMV	11						
5A»	TOLPYRALATE 3.	0.026	LAA	11	99	86	99	0	77	99
	B ATRAZINE DF	0.875	LAA	11						
	C»SURPASS NXT	1.969	LAA	11						
	D»MSO	0.50	PMV	11						
	E 28% UAN	2.50	PMV	11						
6A»	TOLPYRALATE 3.	0.026	LAA	11	99	96	99	0	57	99
	B ATRAZINE DF	0.875	LAA	11						
	C»STATUS 56DG	0.175	LAA	11						
	D»MSO	0.50	PMV	11						
	E 28% UAN	2.50	PMV	11						
7A	DUAL II MAGNUM	1.43	LAA	9	99	48	87	0	99	99
	B»TOLPYRALATE 3.	0.026	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»MSO	0.50	PMV	12						
	E 28% UAN	2.50	PMV	12						
8A	DUAL II MAGNUM	1.43	LAA	9	99	53	95	0	95	99
	B»TOLPYRALATE 3.	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	1.43	LAA	9	99	58	96	0	99	99
	B»TOLPYRALATE 3.	0.026	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D DUAL II MAGNUM	1.91	LAA	12						
	E»MSO	0.50	PMV	12						
	F 28% UAN	2.50	PMV	12						
10A	DUAL II MAGNUM	1.43	LAA	9	99	63	99	0	98	99
	B»TOLPYRALATE 3.	0.026	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D»SURPASS NXT	1.969	LAA	12						
	E»MSO	0.50	PMV	12						
	F 28% UAN	2.50	PMV	12						
11A	DUAL II MAGNUM	1.43	LAA	9	99	87	99	0	99	99
	B»TOLPYRALATE 3.	0.036	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D»RNDUP POWERMAX	0.77	LAA	12						
	E»MSO	0.50	PMV	12						
	F 28% UAN	2.50	PMV	12						
12A	CHECK	0.00	NA	0	0	0	0	0	0	0

TITLE: Weed Control Systems Using Tolpyralate Combinations in Corn. AS-100

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ABUTH	PHBPU	XANST	ZEAMD	SETFA	CHEAL
		RATE	UNIT		30 DAT 06/24/16	30 DAT 06/24/16	30 DAT 06/24/16	45 DAT 07/09/16	45 DAT 07/09/16	45 DAT 07/09/16
13A	DUAL II MAGNUM	1.43	LAA	9	99	85	99	0	96	99
	B»TOLPYRALATE 3.	0.036	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D»STEADFAST Q 37	1.50	OMA	0						
	E RESOLVE 25DF	0.0119	LAA	12						
	F ACCENT 75WG	0.0238	LAA	12						
	G»ISOXADIFEN-ETH	0.0078	LAA	12						
	H»MSO	0.50	PMV	12						
	I 28% UAN	2.50	PMV	12						
14A	DUAL II MAGNUM	1.43	LAA	9	99	91	98	0	88	99
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D»COC	0.50	PMV	12						
	E 28% UAN	2.50	PMV	12						
15A	DUAL II MAGNUM	1.43	LAA	9	99	57	92	0	97	99
	B IMPACT 2.8SC	0.021	LAA	12						
	C ATRAZINE DF	0.875	LAA	12						
	D»MSO	0.50	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
16A	DUAL II MAGNUM	1.43	LAA	9	99	97	99	0	97	99
	B»TOLPYRALATE 3.	0.036	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»LIBERTY 2.34L	0.42	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			0.0	11.1	4.1	0.0	4.9	2.4
		STANDARD DEVIATION			0.0	5.5	2.0	0.0	2.4	1.2

TITLE: Weed Control Systems Using Tolpyralate Combinations in Corn. AS-100
CREATED: 04/08/2016 **REVISED:** 08/24/2016 **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	ABUTH	PHBPU	XANST
		RATE	UNIT	TM	45 DAT 07/09/16	45 DAT 07/09/16	45 DAT 07/09/16	45 DAT 07/09/16
1A	DUAL II MAGNUM	1.43	LAA	9	90	0	0	0
2A	TOLPYRALATE 3.	0.026	LAA	11	99	99	77	95
	B ATRAZINE DF	0.875	LAA	11				
	C»MSO	0.50	PMV	11				
	D 28% UAN	2.50	PMV	11				
3A	TOLPYRALATE 3.	0.036	LAA	11	99	99	75	96
	B ATRAZINE DF	0.875	LAA	11				
	C»MSO	0.50	PMV	11				
	D 28% UAN	2.50	PMV	11				
4A	TOLPYRALATE 3.	0.026	LAA	11	99	99	83	99
	B ATRAZINE DF	0.875	LAA	11				
	C DUAL II MAGNUM	1.91	LAA	11				
	D»MSO	0.50	PMV	11				
	E 28% UAN	2.50	PMV	11				
5A	TOLPYRALATE 3.	0.026	LAA	11	99	99	88	96
	B ATRAZINE DF	0.875	LAA	11				
	C»SURPASS NXT	1.969	LAA	11				
	D»MSO	0.50	PMV	11				
	E 28% UAN	2.50	PMV	11				
6A	TOLPYRALATE 3.	0.026	LAA	11	98	99	96	96
	B ATRAZINE DF	0.875	LAA	11				
	C»STATUS 56DG	0.175	LAA	11				
	D»MSO	0.50	PMV	11				
	E 28% UAN	2.50	PMV	11				
7A	DUAL II MAGNUM	1.43	LAA	9	96	99	40	84
	B»TOLPYRALATE 3.	0.026	LAA	12				
	C ATRAZINE DF	1.00	LAA	12				
	D»MSO	0.50	PMV	12				
	E 28% UAN	2.50	PMV	12				
8A	DUAL II MAGNUM	1.43	LAA	9	99	99	43	93
	B»TOLPYRALATE 3.	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	1.43	LAA	9	96	99	53	93
	B»TOLPYRALATE 3.	0.026	LAA	12				
	C ATRAZINE DF	0.875	LAA	12				
	D DUAL II MAGNUM	1.91	LAA	12				
	E»MSO	0.50	PMV	12				
	F 28% UAN	2.50	PMV	12				
10A	DUAL II MAGNUM	1.43	LAA	9	99	99	60	99
	B»TOLPYRALATE 3.	0.026	LAA	12				
	C ATRAZINE DF	0.875	LAA	12				
	D»SURPASS NXT	1.969	LAA	12				
	E»MSO	0.50	PMV	12				
	F 28% UAN	2.50	PMV	12				
11A	DUAL II MAGNUM	1.43	LAA	9	99	99	83	98
	B»TOLPYRALATE 3.	0.036	LAA	12				
	C ATRAZINE DF	0.875	LAA	12				
	D»RNDUP POWERMAX	0.77	LAA	12				
	E»MSO	0.50	PMV	12				
	F 28% UAN	2.50	PMV	12				
12A	CHECK	0.00	NA	0	0	0	0	0

TITLE: Weed Control Systems Using Tolpyralate Combinations in Corn. AS-100

TRT NUM	TREATMENT COMPONENT	DOSAGE			AMATA	ABUTH	PHBPU	XANST
		RATE	UNIT	TM	45 DAT 07/09/16	45 DAT 07/09/16	45 DAT 07/09/16	45 DAT 07/09/16
13A	DUAL II MAGNUM	1.43	LAA	9	99	99	83	97
	B>>TOLPYRALATE 3.	0.036	LAA	12				
	C ATRAZINE DF	0.875	LAA	12				
	D>>STEADFAST Q 37	1.50	OMA	0				
	E RESOLVE 25DF	0.0119	LAA	12				
	F ACCENT 75WG	0.0238	LAA	12				
	G>>ISOXADIFEN-ETH	0.0078	LAA	12				
	H>>MSO	0.50	PMV	12				
	I 28% UAN	2.50	PMV	12				
14A	DUAL II MAGNUM	1.43	LAA	9	99	99	88	95
	B CALLISTO 4SC	0.094	LAA	12				
	C ATRAZINE DF	0.875	LAA	12				
	D>>COC	0.50	PMV	12				
	E 28% UAN	2.50	PMV	12				
15A	DUAL II MAGNUM	1.43	LAA	9	99	99	73	91
	B IMPACT 2.8SC	0.021	LAA	12				
	C ATRAZINE DF	0.875	LAA	12				
	D>>MSO	0.50	PMV	12				
	E>>LIQUID AMS	2.50	PMV	12				
16A	DUAL II MAGNUM	1.43	LAA	9	99	99	95	98
	B>>TOLPYRALATE 3.	0.036	LAA	12				
	C ATRAZINE DF	1.00	LAA	12				
	D>>LIBERTY 2.34L	0.42	LAA	12				
	E>>LIQUID AMS	2.50	PMV	12				
	LSD (0.05)				4.7	0.0	10.6	5.1
	STANDARD DEVIATION				2.3	0.0	5.2	2.5

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING
 09 = --- / PREEMERGENCE 04/19/2016(1)
 11 = --- / EPOST 05/27/2016(2)
 12 = --- / POST 06/03/2016(3)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	7 DAT	06/02/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	7 DAT	06/02/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	7 DAT	06/02/2016	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	7 DAT	06/02/2016	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	7 DAT	06/02/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	7 DAT	06/02/2016	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	XANST	7 DAT	06/02/2016	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	14 DAT	06/09/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	14 DAT	06/09/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	14 DAT	06/09/2016	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	14 DAT	06/09/2016	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	14 DAT	06/09/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	14 DAT	06/09/2016	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST	14 DAT	06/09/2016	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	ZEAMD	30 DAT	06/24/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	30 DAT	06/24/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	CHEAL	30 DAT	06/24/2016	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	AMATA	30 DAT	06/24/2016	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ABUTH	30 DAT	06/24/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	PHBPU	30 DAT	06/24/2016	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	XANST	30 DAT	06/24/2016	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	ZEAMD	45 DAT	07/09/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	SETFA	45 DAT	07/09/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	CHEAL	45 DAT	07/09/2016	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
025	AMATA	45 DAT	07/09/2016	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
026	ABUTH	45 DAT	07/09/2016	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
027	PHBPU	45 DAT	07/09/2016	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
028	XANST	45 DAT	07/09/2016	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = N68K-3111A