

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.1
 %OM: 5.5
 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	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/06/14	05/27/14	06/02/14	AME
AIR TEMPERATURE	81	86	85	F
% REL.HUMIDITY	32	41	39	
WIND DIRECTION	EAST	SOUTHWEST	SOUTHWEST	
WIND SPEED	6.0	5.0	2.0	M/H
CLOUD COVER	CLEAR	PARTCLDY	PARTCLDY	
DEW	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION				
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
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	---	---	---	
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, CORN, DENT		---/14	---/15	
NK 70J-3011A		8.00/8.00	18.0/18.0	IN
(PLANTED) 05/05/2014		22 DAP	28 DAP	
PEST *				
P, VELVETLEAF		---/13 1.00/3.00	---/14 2.00/4.00	IN
P, WATERHEMP, COMMO		---/18 1.00/3.00	---/19 2.00/6.00	IN
P, LAMBSQUARTERS, C		---/19 1.00/2.00	---/19 2.00/6.00	IN
P, MORNINGGLORY, TA		---/11 1.00/2.00	---/15 2.00/4.00	IN
P, FOXTAIL, GIANT		---/14 1.00/3.00	---/15 18.0/18.0	IN
P, COCKLEBUR, COMMO		---/12 2.00/4.00	---/14 2.00/6.00	IN

* TIMING CODES

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

* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4 LEAVES UNFOLDED
14 = 4 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5 LEAVES UNFOLDED
15 = 5 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Weed Control Systems with Tolpyralate in RR/LL Corn. AS-400
CREATED: 04/13/2014 **REVISED:** 07/21/2014 **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	SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				05/26/14	05/26/14	05/26/14	05/26/14	05/26/14	05/26/14
1A	BICEP II MAG	1.79	LAA 9	0	97	99	99	88	87
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»MSO	0.50	PMV 12						
	E»LIQUID AMS	2.50	PMV 12						
2A»	VERDICT 5.57L	0.52	LAA 9	0	99	99	99	99	98
	B ATRAZINE DF	1.00	LAA 9						
	C»TOLPYRALATE 3.	0.026	LAA 12						
	D ATRAZINE DF	1.00	LAA 12						
	E»MSO	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
3A	HARNESS XTRA	2.10	LAA 9	0	99	99	99	93	90
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»MSO	0.50	PMV 12						
	E»LIQUID AMS	2.50	PMV 12						
4A	HARNESS (7EC)	1.31	LAA 9	0	97	99	99	72	60
	B»TOLPYRALATE 3.	0.036	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»MSO	0.50	PMV 12						
	E»LIQUID AMS	2.50	PMV 12						
5A	HARNESS (7EC)	1.31	LAA 9	0	98	99	99	75	63
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»STATUS 56DG	0.088	LAA 12						
	E»MSO	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
6A	HARNESS (7EC)	1.31	LAA 9	0	99	99	99	81	62
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»ZIDUA 85WG	0.08	LAA 12						
	E»MSO	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
7A	DUAL II MAGNUM	1.43	LAA 9	0	98	97	96	62	50
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»WARRANT 3L	1.125	LAA 12						
	E»MSO	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
8A	DUAL II MAGNUM	1.43	LAA 9	0	98	96	96	60	53
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»RNDUP POWERMAX	1.125	LAA 12						
	E»SUPERB HC	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
9A	DUAL II MAGNUM	1.43	LAA 9	0	97	96	96	57	47
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»LIBERTY 2.34L	0.40	LAA 12						
	E»SUPERB HC	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
10A	DUAL II MAGNUM	1.43	LAA 9	0	99	96	95	53	50
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D 2,4-D-DMA	0.50	LAA 12						
	E»SUPERB HC	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						

TITLE: Weed Control Systems with Tolpyralate in RR/LL Corn. AS-400

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %
					05/26/14	05/26/14	05/26/14	05/26/14	05/26/14
11A»	TOLPYRALATE 3.	0.036	LAA	11	0	C	C	C	C
	B ATRAZINE DF	1.00	LAA	11					
	C»MSO	0.50	PMV	11					
	D»LIQUID AMS	2.50	PMV	11					
12A	CHECK	0.00	NA	0	0	0	0	0	0
13A»	TOLPYRALATE 3.	0.036	LAA	11	0	C	C	C	C
	B ATRAZINE DF	1.00	LAA	11					
	C»RNDUP POWERMAX	1.125	LAA	11					
	D»SUPERB HC	0.50	PMV	11					
	E»LIQUID AMS	2.50	PMV	11					
14A»	TOLPYRALATE 3.	0.036	LAA	11	0	C	C	C	C
	B ATRAZINE DF	1.00	LAA	11					
	C»LIBERTY 2.34L	0.40	LAA	11					
	D»SUPERB HC	0.50	PMV	11					
	E»LIQUID AMS	2.50	PMV	11					
LSD (0.05)					0.00	1.47	0.871	2.32	7.35
STANDARD DEVIATION					0.00	0.716	0.424	1.13	3.57
									7.48
									3.64

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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		XANST	ZEAMD	SETFA	CHEAL	AMATA	ABUTH
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				05/26/14	06/06/14	06/06/14	06/06/14	06/06/14	06/06/14
1A	BICEP II MAG	1.79	LAA 9	78	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»LIQUID AMS	2.50	PMV 12						
2A»	VERDICT 5.57L	0.52	LAA 9	98	0	99	99	99	99
	B ATRAZINE DF	1.00	LAA 9						
	C»TOLPYRALATE 3.	0.026	LAA 12						
	D ATRAZINE DF	1.00	LAA 12						
	E»MSO	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
3A	HARNESS XTRA	2.10	LAA 9	88	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»LIQUID AMS	2.50	PMV 12						
4A	HARNESS (7EC)	1.31	LAA 9	53	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»LIQUID AMS	2.50	PMV 12						
5A	HARNESS (7EC)	1.31	LAA 9	57	0	99	99	99	99
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»STATUS 56DG	0.088	LAA 12						
	E»MSO	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
6A	HARNESS (7EC)	1.31	LAA 9	57	0	99	99	99	99
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»ZIDUA 85WG	0.08	LAA 12						
	E»MSO	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
7A	DUAL II MAGNUM	1.43	LAA 9	50	0	99	99	99	99
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»WARRANT 3L	1.125	LAA 12						
	E»MSO	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
8A	DUAL II MAGNUM	1.43	LAA 9	43	0	99	99	99	99
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»RNDUP POWERMAX	1.125	LAA 12						
	E»SUPERB HC	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
9A	DUAL II MAGNUM	1.43	LAA 9	43	0	99	99	99	99
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»LIBERTY 2.34L	0.40	LAA 12						
	E»SUPERB HC	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
10A	DUAL II MAGNUM	1.43	LAA 9	47	48	99	99	99	99
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D 2,4-D-DMA	0.50	LAA 12						
	E»SUPERB HC	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						

TITLE: Weed Control Systems with Tolpyralate in RR/LL Corn. AS-400

TRT	TREATMENT	DOSAGE			XANST	ZEAMD	SETFA	CHEAL	AMATA	ABUTH
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %	CON %
					05/26/14	06/06/14	06/06/14	06/06/14	06/06/14	06/06/14
11A	TOLPYRALATE 3.	0.036	LAA	11	C	0	99	99	99	99
	B ATRAZINE DF	1.00	LAA	11						
	C»MSO	0.50	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
12A	CHECK	0.00	NA	0	0	0	0	0	0	0
13A	TOLPYRALATE 3.	0.036	LAA	11	C	0	98	99	97	99
	B ATRAZINE DF	1.00	LAA	11						
	C»RNDUP POWERMAX	1.125	LAA	11						
	D»SUPERB HC	0.50	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
14A	TOLPYRALATE 3.	0.036	LAA	11	C	0	99	99	99	99
	B ATRAZINE DF	1.00	LAA	11						
	C»LIBERTY 2.34L	0.40	LAA	11						
	D»SUPERB HC	0.50	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
LSD (0.05)					6.35	3.43	0.259	0.00	1.00	0.00
STANDARD DEVIATION					3.09	1.67	0.126	0.00	0.462	0.00

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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	TREATMENT	DOSAGE		PHBPU	XANST	ZEAMD	SETFA	CHEAL	AMATA
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/06/14	06/06/14	06/26/14	06/26/14	06/26/14	06/26/14
1A	BICEP II MAG	1.79	LAA 9	98	98	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»LIQUID AMS	2.50	PMV 12						
2A»	VERDICT 5.57L	0.52	LAA 9	99	99	0	99	99	99
	B ATRAZINE DF	1.00	LAA 9						
	C»TOLPYRALATE 3.	0.026	LAA 12						
	D ATRAZINE DF	1.00	LAA 12						
	E»MSO	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
3A	HARNESS XTRA	2.10	LAA 9	99	99	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»LIQUID AMS	2.50	PMV 12						
4A	HARNESS (7EC)	1.31	LAA 9	96	99	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»LIQUID AMS	2.50	PMV 12						
5A	HARNESS (7EC)	1.31	LAA 9	99	99	0	99	99	99
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»STATUS 56DG	0.088	LAA 12						
	E»MSO	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
6A	HARNESS (7EC)	1.31	LAA 9	95	99	0	99	99	99
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»ZIDUA 85WG	0.08	LAA 12						
	E»MSO	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
7A	DUAL II MAGNUM	1.43	LAA 9	89	96	0	99	99	99
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»WARRANT 3L	1.125	LAA 12						
	E»MSO	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
8A	DUAL II MAGNUM	1.43	LAA 9	90	98	0	99	99	99
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»RNDUP POWERMAX	1.125	LAA 12						
	E»SUPERB HC	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
9A	DUAL II MAGNUM	1.43	LAA 9	98	99	0	99	99	99
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»LIBERTY 2.34L	0.40	LAA 12						
	E»SUPERB HC	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
10A	DUAL II MAGNUM	1.43	LAA 9	99	99	8	99	99	99
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D 2,4-D-DMA	0.50	LAA 12						
	E»SUPERB HC	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						

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TRT	TREATMENT	DOSAGE		PHBPU	XANST	ZEAMD	SETFA	CHEAL	AMATA
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %
					06/06/14	06/06/14	06/26/14	06/26/14	06/26/14
11A	TOLPYRALATE 3.	0.036	LAA	11	93	99	0	98	99
	B ATRAZINE DF	1.00	LAA	11					
	C»MSO	0.50	PMV	11					
	D»LIQUID AMS	2.50	PMV	11					
12A	CHECK	0.00	NA	0	0	0	0	0	0
13A	TOLPYRALATE 3.	0.036	LAA	11	96	99	0	98	99
	B ATRAZINE DF	1.00	LAA	11					
	C»RNDUP POWERMAX	1.125	LAA	11					
	D»SUPERB HC	0.50	PMV	11					
	E»LIQUID AMS	2.50	PMV	11					
14A	TOLPYRALATE 3.	0.036	LAA	11	97	99	0	99	99
	B ATRAZINE DF	1.00	LAA	11					
	C»LIBERTY 2.34L	0.40	LAA	11					
	D»SUPERB HC	0.50	PMV	11					
	E»LIQUID AMS	2.50	PMV	11					
LSD (0.05)					3.49	2.35	1.13	1.20	0.00
STANDARD DEVIATION					1.70	1.15	0.549	0.582	0.00
									2.59
									1.26

TITLE: Weed Control Systems with Tolpyralate in RR/LL Corn. AS-400
CREATED: 04/13/2014 **REVISED:** 07/21/2014 **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		ABUTH	PHBPU	XANST	ZEAMD	SETFA	CHEAL
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/26/14	06/26/14	06/26/14	07/08/14	07/08/14	07/08/14
1A	BICEP II MAG	1.79	LAA 9	99	94	96	0	98	99
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»MSO	0.50	PMV 12						
	E»LIQUID AMS	2.50	PMV 12						
2A»	VERDICT 5.57L	0.52	LAA 9	99	97	98	0	99	99
	B ATRAZINE DF	1.00	LAA 9						
	C»TOLPYRALATE 3.	0.026	LAA 12						
	D ATRAZINE DF	1.00	LAA 12						
	E»MSO	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
3A	HARNESS XTRA	2.10	LAA 9	99	96	98	0	99	99
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»MSO	0.50	PMV 12						
	E»LIQUID AMS	2.50	PMV 12						
4A	HARNESS (7EC)	1.31	LAA 9	99	90	93	0	99	99
	B»TOLPYRALATE 3.	0.036	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»MSO	0.50	PMV 12						
	E»LIQUID AMS	2.50	PMV 12						
5A	HARNESS (7EC)	1.31	LAA 9	99	97	98	0	99	99
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»STATUS 56DG	0.088	LAA 12						
	E»MSO	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
6A	HARNESS (7EC)	1.31	LAA 9	99	90	95	0	99	99
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»ZIDUA 85WG	0.08	LAA 12						
	E»MSO	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
7A	DUAL II MAGNUM	1.43	LAA 9	99	89	92	0	99	99
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»WARRANT 3L	1.125	LAA 12						
	E»MSO	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
8A	DUAL II MAGNUM	1.43	LAA 9	99	96	98	0	99	99
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»RNDUP POWERMAX	1.125	LAA 12						
	E»SUPERB HC	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
9A	DUAL II MAGNUM	1.43	LAA 9	99	98	99	0	99	99
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D»LIBERTY 2.34L	0.40	LAA 12						
	E»SUPERB HC	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
10A	DUAL II MAGNUM	1.43	LAA 9	99	98	99	9	99	99
	B»TOLPYRALATE 3.	0.026	LAA 12						
	C ATRAZINE DF	1.00	LAA 12						
	D 2,4-D-DMA	0.50	LAA 12						
	E»SUPERB HC	0.50	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						

TITLE: Weed Control Systems with Tolpyralate in RR/LL Corn. AS-400

TRT	TREATMENT	DOSAGE		ABUTH	PHBPU	XANST	ZEAMD	SETFA	CHEAL
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %
					06/26/14	06/26/14	06/26/14	07/08/14	07/08/14
11A»	TOLPYRALATE 3.	0.036	LAA	11	99	83	90	0	99
	B ATRAZINE DF	1.00	LAA	11					
	C»MSO	0.50	PMV	11					
	D»LIQUID AMS	2.50	PMV	11					
12A	CHECK	0.00	NA	0	0	0	0	0	0
13A»	TOLPYRALATE 3.	0.036	LAA	11	99	87	92	0	98
	B ATRAZINE DF	1.00	LAA	11					
	C»RNDUP POWERMAX	1.125	LAA	11					
	D»SUPERB HC	0.50	PMV	11					
	E»LIQUID AMS	2.50	PMV	11					
14A»	TOLPYRALATE 3.	0.036	LAA	11	99	93	96	0	99
	B ATRAZINE DF	1.00	LAA	11					
	C»LIBERTY 2.34L	0.40	LAA	11					
	D»SUPERB HC	0.50	PMV	11					
	E»LIQUID AMS	2.50	PMV	11					
LSD (0.05)					0.00	4.29	3.43	0.518	0.747
STANDARD DEVIATION					0.00	2.09	1.67	0.252	0.363
									0.00

TITLE: Weed Control Systems with Tolpyralate in RR/LL Corn. AS-400
CREATED: 04/13/2014 **REVISED:** 07/21/2014 **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		AMATA	ABUTH	PHBPU	XANST
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %
				07/08/14	07/08/14	07/08/14	07/08/14
1A	BICEP II MAG	1.79	LAA 9	99	99	93	93
	B»TOLPYRALATE 3.	0.026	LAA 12				
	C ATRAZINE DF	1.00	LAA 12				
	D»MSO	0.50	PMV 12				
	E»LIQUID AMS	2.50	PMV 12				
2A»	VERDICT 5.57L	0.52	LAA 9	99	99	97	98
	B ATRAZINE DF	1.00	LAA 9				
	C»TOLPYRALATE 3.	0.026	LAA 12				
	D ATRAZINE DF	1.00	LAA 12				
	E»MSO	0.50	PMV 12				
	F»LIQUID AMS	2.50	PMV 12				
3A	HARNESS XTRA	2.10	LAA 9	99	99	95	97
	B»TOLPYRALATE 3.	0.026	LAA 12				
	C ATRAZINE DF	1.00	LAA 12				
	D»MSO	0.50	PMV 12				
	E»LIQUID AMS	2.50	PMV 12				
4A	HARNESS (7EC)	1.31	LAA 9	99	99	84	88
	B»TOLPYRALATE 3.	0.036	LAA 12				
	C ATRAZINE DF	1.00	LAA 12				
	D»MSO	0.50	PMV 12				
	E»LIQUID AMS	2.50	PMV 12				
5A	HARNESS (7EC)	1.31	LAA 9	99	99	96	97
	B»TOLPYRALATE 3.	0.026	LAA 12				
	C ATRAZINE DF	1.00	LAA 12				
	D»STATUS 56DG	0.088	LAA 12				
	E»MSO	0.50	PMV 12				
	F»LIQUID AMS	2.50	PMV 12				
6A	HARNESS (7EC)	1.31	LAA 9	99	99	87	94
	B»TOLPYRALATE 3.	0.026	LAA 12				
	C ATRAZINE DF	1.00	LAA 12				
	D»ZIDUA 85WG	0.08	LAA 12				
	E»MSO	0.50	PMV 12				
	F»LIQUID AMS	2.50	PMV 12				
7A	DUAL II MAGNUM	1.43	LAA 9	99	99	90	92
	B»TOLPYRALATE 3.	0.026	LAA 12				
	C ATRAZINE DF	1.00	LAA 12				
	D»WARRANT 3L	1.125	LAA 12				
	E»MSO	0.50	PMV 12				
	F»LIQUID AMS	2.50	PMV 12				
8A	DUAL II MAGNUM	1.43	LAA 9	99	99	96	97
	B»TOLPYRALATE 3.	0.026	LAA 12				
	C ATRAZINE DF	1.00	LAA 12				
	D»RNDUP POWERMAX	1.125	LAA 12				
	E»SUPERB HC	0.50	PMV 12				
	F»LIQUID AMS	2.50	PMV 12				
9A	DUAL II MAGNUM	1.43	LAA 9	99	99	98	99
	B»TOLPYRALATE 3.	0.026	LAA 12				
	C ATRAZINE DF	1.00	LAA 12				
	D»LIBERTY 2.34L	0.40	LAA 12				
	E»SUPERB HC	0.50	PMV 12				
	F»LIQUID AMS	2.50	PMV 12				
10A	DUAL II MAGNUM	1.43	LAA 9	99	99	98	99
	B»TOLPYRALATE 3.	0.026	LAA 12				
	C ATRAZINE DF	1.00	LAA 12				
	D 2,4-D-DMA	0.50	LAA 12				
	E»SUPERB HC	0.50	PMV 12				
	F»LIQUID AMS	2.50	PMV 12				

TITLE: Weed Control Systems with Tolpyralate in RR/LL Corn. AS-400

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	AMATA CON % 07/08/14	ABUTH CON % 07/08/14	PHBPU CON % 07/08/14	XANST CON % 07/08/14
11A»TOLPYRALATE 3.	0.036	LAA	11	99	99	81	88
B ATRAZINE DF	1.00	LAA	11				
C»MSO	0.50	PMV	11				
D»LIQUID AMS	2.50	PMV	11				
12A CHECK	0.00	NA	0	0	0	0	0
13A»TOLPYRALATE 3.	0.036	LAA	11	99	99	86	89
B ATRAZINE DF	1.00	LAA	11				
C»RNDUP POWERMAX	1.125	LAA	11				
D»SUPERB HC	0.50	PMV	11				
E»LIQUID AMS	2.50	PMV	11				
14A»TOLPYRALATE 3.	0.036	LAA	11	97	99	92	93
B ATRAZINE DF	1.00	LAA	11				
C»LIBERTY 2.34L	0.40	LAA	11				
D»SUPERB HC	0.50	PMV	11				
E»LIQUID AMS	2.50	PMV	11				
LSD (0.05)				1.55	0.00	4.71	4.09
STANDARD DEVIATION				0.756	0.00	2.29	2.00

» = SUPPLEMENTAL CHEMICAL

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

* TIMING CODES

00 = ----- / UNTREATED TIMING

09 = ----- / PREEMERGENCE 05/06/2014(1)

11 = ----- / EPOST 05/27/2014(2)

12 = ----- / POST 06/02/2014(3)

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 %	05/26/2014	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/26/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/26/2014	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	05/26/2014	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	05/26/2014	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	05/26/2014	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	XANST	CON %	05/26/2014	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	06/06/2014	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	06/06/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/06/2014	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	06/06/2014	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	06/06/2014	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	06/06/2014	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST	CON %	06/06/2014	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	ZEAMD	CON %	06/26/2014	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	06/26/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	CHEAL	CON %	06/26/2014	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	AMATA	CON %	06/26/2014	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ABUTH	CON %	06/26/2014	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	PHBPU	CON %	06/26/2014	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	XANST	CON %	06/26/2014	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	ZEAMD	CON %	07/08/2014	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	SETFA	CON %	07/08/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	CHEAL	CON %	07/08/2014	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
025	AMATA	CON %	07/08/2014	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
026	ABUTH	CON %	07/08/2014	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
027	PHBPU	CON %	07/08/2014	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
028	XANST	CON %	07/08/2014	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = NK 70J-3011A