APPLICATIONS

SOIL INFORMATION

TEXTURE: SIC
PH: 6.2
%OM: 3.5
PREV.CROP: GLXMA - Soybean
%RESIDUE: 0
PLOT WIDTH: 7.5 X 30 FEET
PLOT AREA: 225 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQUID MI	LIQUID MI	LIQUID MI	
APPLICATION DATE	06/04/19	07/02/19	07/02/19	AME
TIME - BEGIN	17:00	09:15	13:40	24H
TIME - END	17:30	09:30	14:10	24H
AIR TEMPERATURE	83	85	95	F
% REL.HUMIDITY	52	70	50	
WIND DIRECTION	SOUTHWEST	SOUTHWEST	SOUTHWEST	
WIND SPEED	10.0	3.0	6.0	M/H
CLOUD COVER	PAR.CLOUD	CLEAR-0%	PAR.CLOUD	
DEW	NO	NO	YES	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	MOIST/MOI	
SOIL CONDITION	TO BE SEL	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	76/4.00	77/4.00	92/4.00	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	N/A	N/A	N/A	
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	
PEST *				
P, Waterhemp, commo		---/19 5.00/10.0	---/19 5.00/10.0	IN
P, Dent corn		---/15 18.0/18.0	---/15 18.0/18.0	IN
DKC55-20 (PLANTED) 06/04/2019		28 DAP	28 DAP	

*** TIMING CODES**
09 = --- / PREEMERGENCE
11 = --- / EPOST
12 = --- / POST

*** STAGE CODE**
15 = 5 LEAVES UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Weed Control Systems in RR/LL Corn. LOST 40-B
CREATED: 04/11/2019 **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	ZEAMD CON % 07/02/19	AMATA CON % 07/02/19	ZEAMD CON % 07/12/19	AMATA CON % 07/12/19	ZEAMD CON % 08/02/19	AMATA CON % 08/02/19
1A	»ACURON 3.44 ZC	2.58	LAA	9	0	92	0	89	0	88
2A	»ANTHEM MAXX 4.	0.134	LAA	9	0	95	0	92	0	87
B	CALLISTO 4SC	0.188	LAA	9						
C	ATRAZINE DF	2.00	LAA	9						
3A	»VERDICT 5.57L	0.78	LAA	9	0	80	0	65	0	58
B	ATRAZINE DF	1.00	LAA	9						
4A	»RESICORE 3.29S	2.47	LAA	9	0	98	0	99	0	98
B	ATRAZINE DF	1.00	LAA	9						
5A	»HARNESS MAX 3.	2.26	LAA	9	0	97	0	98	0	96
B	ATRAZINE DF	1.00	LAA	9						
6A	»ACURON 3.44 ZC	1.29	LAA	9	0	73	0	94	0	94
B	»HALEX GT 4.38L	1.97	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D	»ACTIVATOR 90	0.25	PMV	12						
E	»LIQUID AMS	2.50	PMV	12						
7A	BICEP II MAG	2.06	LAA	9	0	65	0	88	0	88
B	»HALEX GT 4.38L	1.97	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D	»ACTIVATOR 90	0.25	PMV	12						
E	»LIQUID AMS	2.50	PMV	12						
8A	»HARNESS MAX 3.	1.92	LAA	9	0	97	0	99	0	98
B	ATRAZINE DF	1.00	LAA	9						
C	»DIFLEXX DUO 1.	0.383	LAA	12						
D	ATRAZINE DF	0.50	LAA	12						
E	»RNDUP POWERMAX	1.125	LAA	12						
9A	»ANTHEM MAXX 4.	0.134	LAA	9	0	94	0	98	0	98
B	ATRAZINE DF	1.50	LAA	9						
C	CALLISTO 4SC	0.125	LAA	9						
D	»STATUS 56DG	0.105	LAA	12						
E	»RNDUP POWERMAX	1.125	LAA	12						
F	»ACTIVATOR 90	0.25	PMV	12						
10A	»CORVUS 2.6SC	0.091	LAA	9	0	83	5	99	0	99
B	ATRAZINE DF	1.00	LAA	9						
C	»RNDUP POWERMAX	1.125	LAA	12						
D	»HARNESS MAX 3.	1.68	LAA	12						
E	ATRAZINE DF	0.50	LAA	12						
11A	»BAL FLEXX 2L	0.063	LAA	9	0	94	0	99	0	99
B	HARNESS XTRA	2.24	LAA	9						
C	»RNDUP POWERMAX	1.125	LAA	12						
D	»CAPRENO 3.45 S	0.081	LAA	12						
E	ATRAZINE DF	0.50	LAA	12						
12A	»COYOTE 3.67SE	2.20	LAA	9	0	98	1	99	0	98
B	ATRAZINE DF	2.00	LAA	9						
C	»INTERLINE 2.34	0.79	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
13A	»TRIPZIN 4ZC	0.91	LAA	9	0	77	0	99	0	99
B	»COYOTE 3.67SE	1.47	LAA	12						
C	»INTERLINE 2.34	0.79	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
14A	»TRIZAR 3.7SC	2.78	LAA	9	0	93	0	97	0	96
B	»DUPLICATOR 6 4	1.125	LAA	12						
C	»ATRA-5 L	0.50	LAA	12						
D	»AMS ALL	2.50	PMV	12						

TITLE: Weed Control Systems in RR/LL Corn. LOST 40-B

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07/02/19	AMATA CON % 07/02/19	ZEAMD CON % 07/12/19	AMATA CON % 07/12/19	ZEAMD CON % 08/02/19	AMATA CON % 08/02/19
15A	»TRIZMET II 5.5	2.75	LAA	9	0	68	1	91	0	88
B	»MESOTRYONE 4L	0.094	LAA	12						
C	»DUPLICATOR 6 4	1.125	LAA	12						
D	»AMS ALL	2.50	PMV	12						
16A	»KEYSTONE NXT 5	2.24	LAA	9	0	86	1	94	0	93
B	»SHIELDEX 3.33S	0.035	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D	»MSO	0.50	PMV	12						
E	»LIQUID AMS	2.50	PMV	12						
17A	»KEYSTONE NXT 5	2.24	LAA	9	0	82	0	98	0	96
B	TOUGH 5EC	0.31	LAA	12						
C	ATRAZINE DF	1.20	LAA	12						
D	»RNDUP POWERMAX	1.125	LAA	12						
E	»LIQUID AMS	2.50	PMV	12						
18A	HARNESS XTRA	2.24	LAA	9	0	91	0	97	0	96
B	»IMPACTZ 4.26SC	0.356	LAA	12						
C	»MSO	0.50	PMV	12						
D	»LIQUID AMS	2.50	PMV	12						
19A	CHECK	0.00	NA	0	0	0	0	0	0	0
20A	»HALEX GT 4.38L	2.19	LAA	11	C	C	3	94	0	96
B	ATRAZINE DF	0.50	LAA	11						
C	»ACTIVATOR 90	0.25	PMV	11						
D	»LIQUID AMS	2.50	PMV	11						
21A	»CAPRENO 3.45 S	0.081	LAA	11	C	C	1	92	0	90
B	DEGREE XTRA	1.52	LAA	11						
C	»RNDUP POWERMAX	1.125	LAA	11						
22A	»ANTHEM MAXX 4.	0.134	LAA	11	C	C	1	99	0	97
B	ATRAZINE DF	1.50	LAA	11						
C	CALLISTO 4SC	0.094	LAA	11						
D	»RNDUP POWERMAX	1.125	LAA	11						
E	»ACTIVATOR 90	0.25	PMV	11						
23A	»MES-O-SATE 4.3	1.99	LAA	11	C	C	1	98	0	96
B	»ATRA-5 L	0.50	LAA	11						
C	»AMS ALL	2.50	PMV	11						
24A	»DUPLICATOR 6 4	1.125	LAA	11	C	C	0	81	0	75
B	»ATRA-5 L	0.50	LAA	11						
C	»PRIMARY	0.63	PMV	11						
	LSD (0.05)				0.0	8.5	0.9	4.8	0.0	6.1
	STANDARD DEVIATION				0.0	4.2	0.4	2.4	0.0	3.0

TITLE: Weed Control Systems in RR/LL Corn. LOST 40-B
CREATED: 04/11/2019 **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	YIELD CON % 11/06/19
1A	»ACURON 3.44 ZC	2.58	LAA	9	191.2
2A	»ANTHEM MAXX 4.	0.134	LAA	9	178.6
B	CALLISTO 4SC	0.188	LAA	9	
C	ATRAZINE DF	2.00	LAA	9	
3A	»VERDICT 5.57L	0.78	LAA	9	187.2
B	ATRAZINE DF	1.00	LAA	9	
4A	»RESICORE 3.29S	2.47	LAA	9	191.8
B	ATRAZINE DF	1.00	LAA	9	
5A	»HARNESS MAX 3.	2.26	LAA	9	195.7
B	ATRAZINE DF	1.00	LAA	9	
6A	»ACURON 3.44 ZC	1.29	LAA	9	187.7
B	»HALEX GT 4.38L	1.97	LAA	12	
C	ATRAZINE DF	0.50	LAA	12	
D	»ACTIVATOR 90	0.25	PMV	12	
E	»LIQUID AMS	2.50	PMV	12	
7A	BICEP II MAG	2.06	LAA	9	186.2
B	»HALEX GT 4.38L	1.97	LAA	12	
C	ATRAZINE DF	0.50	LAA	12	
D	»ACTIVATOR 90	0.25	PMV	12	
E	»LIQUID AMS	2.50	PMV	12	
8A	»HARNESS MAX 3.	1.92	LAA	9	189.8
B	ATRAZINE DF	1.00	LAA	9	
C	»DIFLEXX DUO 1.	0.383	LAA	12	
D	ATRAZINE DF	0.50	LAA	12	
E	»RNDUP POWERMAX	1.125	LAA	12	
9A	»ANTHEM MAXX 4.	0.134	LAA	9	195.6
B	ATRAZINE DF	1.50	LAA	9	
C	CALLISTO 4SC	0.125	LAA	9	
D	»STATUS 56DG	0.105	LAA	12	
E	»RNDUP POWERMAX	1.125	LAA	12	
F	»ACTIVATOR 90	0.25	PMV	12	
10A	»CORVUS 2.6SC	0.091	LAA	9	178.2
B	ATRAZINE DF	1.00	LAA	9	
C	»RNDUP POWERMAX	1.125	LAA	12	
D	»HARNESS MAX 3.	1.68	LAA	12	
E	ATRAZINE DF	0.50	LAA	12	
11A	»BAL FLEXX 2L	0.063	LAA	9	188.4
B	HARNESS XTRA	2.24	LAA	9	
C	»RNDUP POWERMAX	1.125	LAA	12	
D	»CAPRENO 3.45 S	0.081	LAA	12	
E	ATRAZINE DF	0.50	LAA	12	
12A	»COYOTE 3.67SE	2.20	LAA	9	192.0
B	ATRAZINE DF	2.00	LAA	9	
C	»INTERLINE 2.34	0.79	LAA	12	
D	»LIQUID AMS	2.50	PMV	12	
13A	»TRIPZIN 4ZC	0.91	LAA	9	175.9
B	»COYOTE 3.67SE	1.47	LAA	12	
C	»INTERLINE 2.34	0.79	LAA	12	
D	»LIQUID AMS	2.50	PMV	12	
14A	»TRIZAR 3.7SC	2.78	LAA	9	178.0
B	»DUPLICATOR 6 4	1.125	LAA	12	
C	»ATRA-5 L	0.50	LAA	12	
D	»AMS ALL	2.50	PMV	12	

TITLE: Weed Control Systems in RR/LL Corn. LOST 40-B

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	YIELD CON % 11/06/19
15A	»TRIZMET II 5.5	2.75	LAA	9	192.1
B	»MESOTRYONE 4L	0.094	LAA	12	
C	»DUPLICATOR 6 4	1.125	LAA	12	
D	»AMS ALL	2.50	PMV	12	
16A	»KEYSTONE NXT 5	2.24	LAA	9	185.2
B	»SHIELDEX 3.33S	0.035	LAA	12	
C	ATRAZINE DF	0.50	LAA	12	
D	»MSO	0.50	PMV	12	
E	»LIQUID AMS	2.50	PMV	12	
17A	»KEYSTONE NXT 5	2.24	LAA	9	173.8
B	TOUGH 5EC	0.31	LAA	12	
C	ATRAZINE DF	1.20	LAA	12	
D	»RNDUP POWERMAX	1.125	LAA	12	
E	»LIQUID AMS	2.50	PMV	12	
18A	HARNESS XTRA	2.24	LAA	9	162.2
B	»IMPACTZ 4.26SC	0.356	LAA	12	
C	»MSO	0.50	PMV	12	
D	»LIQUID AMS	2.50	PMV	12	
19A	CHECK	0.00	NA	0	186.1
20A	»HALEX GT 4.38L	2.19	LAA	11	193.0
B	ATRAZINE DF	0.50	LAA	11	
C	»ACTIVATOR 90	0.25	PMV	11	
D	»LIQUID AMS	2.50	PMV	11	
21A	»CAPRENO 3.45 S	0.081	LAA	11	183.9
B	DEGREE XTRA	1.52	LAA	11	
C	»RNDUP POWERMAX	1.125	LAA	11	
22A	»ANTHEM MAXX 4.	0.134	LAA	11	176.5
B	ATRAZINE DF	1.50	LAA	11	
C	CALLISTO 4SC	0.094	LAA	11	
D	»RNDUP POWERMAX	1.125	LAA	11	
E	»ACTIVATOR 90	0.25	PMV	11	
23A	»MES-O-SATE 4.3	1.99	LAA	11	193.6
B	»ATRA-5 L	0.50	LAA	11	
C	»AMS ALL	2.50	PMV	11	
24A	»DUPLICATOR 6 4	1.125	LAA	11	203.4
B	»ATRA-5 L	0.50	LAA	11	
C	»PRIMARY	0.63	PMV	11	
		LSD (0.05)			26.26
		STANDARD DEVIATION			13.13

» **= SUPPLEMENTAL CHEMICAL** **---,M,C,D = MISSING DATA**

*** TIMING CODES**
00 = --- / UNTREATED TIMING
09 = --- / PREEMERGENCE 06/04/2019(1)
11 = --- / EPOST 07/02/2019(2)
12 = --- / POST 07/02/2019(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 %	07/02/2019	01	P	ZEAMD	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMATA	CON %	07/02/2019	02	P	AMATA	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ZEAMD	CON %	07/12/2019	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	07/12/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ZEAMD	CON %	08/02/2019	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMATA	CON %	08/02/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	YIELD	CON %	11/06/2019	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

*** SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)**
01 = DKC55-20

*** STAGE CODE**
15 = 5 LEAVES UNFOLDED

*** STAGE CODE**
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED