APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.1
%OM: 1.9
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	UNIT
TIMINGS	09	12	
TYPE	LIQUID MI	LIQUID MI	
APPLICATION DATE	06/14/19	07/09/19	AME
TIME - BEGIN	11:00	13:00	24H
TIME - END	11:40	13:30	24H
AIR TEMPERATURE	74	86	F
% REL.HUMIDITY	50	64	
WIND DIRECTION	SOUTHWEST	SOUTH	
WIND SPEED	8.0	5.0	M/H
CLOUD COVER	OVERCAST-	OVERCAST-	
DEW	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/ DRY	
SOIL CONDITION	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	64/4.00	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	N/A	N/A	
SWATH WIDTH	7.5	7.5	FT
BOOM HEIGHT	20.0	20.0	IN
SPEED	3.00	3.00	M/H
MIX SIZE	0.330	0.330	
MIX SIZE UNIT	GAL	GAL	
SPRAY VOLUME	20.00	20.00	
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, Dent corn		---/16	
DKC55-20		12.0/12.0	IN
(PLANTED) 06/14/2019		25 DAP	
PEST *			
P, Velvetleaf		---/14	
		1.00/4.00	IN
P, Waterhemp, commo		---/19	
		2.00/4.00	IN
P, Giant foxtail		---/14	
		1.00/6.00	IN

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

*** STAGE CODE**
14 = 4 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6 LEAVES UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Weed Control Systems in RR/LL Corn. Perry
CREATED: 04/16/2019 **REVISED:** 10/31/2019 **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 % 07/09/19	SETFA CON % 07/09/19	AMATA CON % 07/09/19	ABUTH CON % 07/09/19	ZEAMD CON % 07/17/19	SETFA CON % 07/17/19
1A	»ACURON 3.44 ZC	2.58	LAA	9	0	99	99	96	0	98
2A	»ANTHEM MAXX 4.	0.134	LAA	9	0	99	99	98	0	99
B	CALLISTO 4SC	0.188	LAA	9						
C	ATRAZINE DF	2.00	LAA	9						
3A	»VERDICT 5.57L	0.696	LAA	9	0	98	98	97	0	96
B	ATRAZINE DF	1.00	LAA	9						
4A	»RESICORE 3.29S	2.47	LAA	9	0	98	99	99	0	98
B	ATRAZINE DF	1.00	LAA	9						
5A	»HARNESS MAX 3.	2.26	LAA	9	0	99	99	96	0	98
B	ATRAZINE DF	1.00	LAA	9						
6A	»ACURON 3.44 ZC	1.29	LAA	9	0	97	98	96	0	99
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	99	95	86	0	98
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	99	99	0	99
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	96	99	99	0	99
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	98	99	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	98	99	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	99	99	0	99
B	ATRAZINE DF	2.00	LAA	9						
C	»INTERLINE 2.34	0.79	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
13A	»TRIZMET II 5.5	2.75	LAA	9	0	97	96	93	0	99
B	»MESOTRYONE 4L	0.094	LAA	12						
C	»DUPLICATOR 6 4	1.125	LAA	12						
D	»AMS ALL	2.50	PMV	12						
14A	»KEYSTONE NXT 5	2.24	LAA	9	0	96	98	76	0	96
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						

TITLE: Weed Control Systems in RR/LL Corn. Perry

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07/09/19	SETFA CON % 07/09/19	AMATA CON % 07/09/19	ABUTH CON % 07/09/19	ZEAMD CON % 07/17/19	SETFA CON % 07/17/19
15A	»KEYSTONE NXT 5	2.24	LAA	9	0	98	99	91	0	98
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						
16A	HARNESS XTRA	2.24	LAA	9	0	96	98	95	0	99
B	»IMPACTZ 4.26SC	0.356	LAA	12						
C	»MSO	0.50	PMV	12						
D	»LIQUID AMS	2.50	PMV	12						
17A	CHECK	0.00	NA	0	0	0	0	0	0	0
18A	»HALEX GT 4.38L	2.19	LAA	12	0	C	C	C	0	98
B	ATRAZINE DF	0.50	LAA	12						
C	»ACTIVATOR 90	0.25	PMV	13						
D	»LIQUID AMS	2.50	PMV	12						
19A	»CAPRENO 3.45 S	0.081	LAA	12	0	C	C	C	0	96
B	DEGREE XTRA	1.52	LAA	12						
C	»RNDUP POWERMAX	1.125	LAA	12						
20A	»ANTHEM MAXX 4.	0.134	LAA	12	0	C	C	C	0	96
B	ATRAZINE DF	1.50	LAA	12						
C	CALLISTO 4SC	0.094	LAA	12						
D	»RNDUP POWERMAX	1.125	LAA	12						
E	»ACTIVATOR 90	0.25	PMV	12						
	LSD (0.05)				0.0	2.4	1.8	5.8	0.0	2.3
	STANDARD DEVIATION				0.0	1.2	0.9	2.9	0.0	1.2

TITLE: Weed Control Systems in RR/LL Corn. Perry
CREATED: 04/16/2019 **REVISED:** 10/31/2019 **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	AMATA CON % 07/17/19	ABUTH CON % 07/17/19	ZEAMD CON % 08/05/19	SETFA CON % 08/05/19	AMATA CON % 08/05/19	ABUTH CON % 08/05/19
1A	»ACURON 3.44 ZC	2.58	LAA	9	99	99	0	98	99	99
2A	»ANTHEM MAXX 4.	0.134	LAA	9	99	98	0	96	99	98
B	CALLISTO 4SC	0.188	LAA	9						
C	ATRAZINE DF	2.00	LAA	9						
3A	»VERDICT 5.57L	0.696	LAA	9	99	98	0	95	98	98
B	ATRAZINE DF	1.00	LAA	9						
4A	»RESICORE 3.29S	2.47	LAA	9	99	99	0	96	99	99
B	ATRAZINE DF	1.00	LAA	9						
5A	»HARNESS MAX 3.	2.26	LAA	9	99	99	0	98	99	98
B	ATRAZINE DF	1.00	LAA	9						
6A	»ACURON 3.44 ZC	1.29	LAA	9	99	99	0	99	99	99
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	99	99	0	98	98	99
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	99	99	0	99	99	99
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	99	99	0	99	99	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	99	99	0	99	99	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	99	99	0	99	99	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	99	99	0	99	99	99
B	ATRAZINE DF	2.00	LAA	9						
C	»INTERLINE 2.34	0.79	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
13A	»TRIZMET II 5.5	2.75	LAA	9	99	98	0	99	99	99
B	»MESOTRYONE 4L	0.094	LAA	12						
C	»DUPLICATOR 6 4	1.125	LAA	12						
D	»AMS ALL	2.50	PMV	12						
14A	»KEYSTONE NXT 5	2.24	LAA	9	99	99	0	84	99	96
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						

DATA MEAN

TITLE: Weed Control Systems in RR/LL Corn. Perry

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	AMATA CON % 07/17/19	ABUTH CON % 07/17/19	ZEAMD CON % 08/05/19	SETFA CON % 08/05/19	AMATA CON % 08/05/19	ABUTH CON % 08/05/19
15A	»KEYSTONE NXT 5	2.24	LAA	9	98	99	0	99	99	99
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						
16A	HARNESS XTRA	2.24	LAA	9	98	99	0	98	98	99
B	»IMPACTZ 4.26SC	0.356	LAA	12						
C	»MSO	0.50	PMV	12						
D	»LIQUID AMS	2.50	PMV	12						
17A	CHECK	0.00	NA	0	0	0	0	0	0	0
18A	»HALEX GT 4.38L	2.19	LAA	12	97	99	0	99	99	99
B	ATRAZINE DF	0.50	LAA	12						
C	»ACTIVATOR 90	0.25	PMV	13						
D	»LIQUID AMS	2.50	PMV	12						
19A	»CAPRENO 3.45 S	0.081	LAA	12	95	99	0	99	92	99
B	DEGREE XTRA	1.52	LAA	12						
C	»RNDUP POWERMAX	1.125	LAA	12						
20A	»ANTHEM MAXX 4.	0.134	LAA	12	98	99	0	99	95	99
B	ATRAZINE DF	1.50	LAA	12						
C	CALLISTO 4SC	0.094	LAA	12						
D	»RNDUP POWERMAX	1.125	LAA	12						
E	»ACTIVATOR 90	0.25	PMV	12						
	LSD (0.05)				1.6	1.0	0.0	4.9	2.6	1.2
	STANDARD DEVIATION				0.8	0.5	0.0	2.4	1.3	0.6

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

*** TIMING CODES**
00 = --- / UNTREATED TIMING
09 = --- / PREEMERGENCE 06/14/2019(1)
12 = --- / POST 07/09/2019(2)
13 = --- / LPOST

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 %	07/09/2019	01	P	ZEAMD	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	07/09/2019	02	P	SETFA	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	07/09/2019	03	P	AMATA	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	07/09/2019	04	P	ABUTH	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ZEAMD	CON %	07/17/2019	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	SETFA	CON %	07/17/2019	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	AMATA	CON %	07/17/2019	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ABUTH	CON %	07/17/2019	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ZEAMD	CON %	08/05/2019	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	SETFA	CON %	08/05/2019	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	08/05/2019	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	08/05/2019	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

*** STAGE CODE**
14 = 4 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6 LEAVES UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED