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	06/25/19	07/02/19	AME
TIME - BEGIN	18:00	10:45	10:10	24H
TIME - END	18:20	11:00	10:30	24H
AIR TEMPERATURE	83	83	87	F
% REL.HUMIDITY	52	52	70	
WIND DIRECTION	SOUTHWEST	WEST	SOUTHWEST	
WIND SPEED	10.0	6.0	2.0	M/H
CLOUD COVER	PAR.CLOUD	CLEAR-0%	CLEAR-0%	
DEW	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	TO BE SEL	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	76/4.00	71/4.00	80/4.00	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	
CROP *				
P, Dent corn		---/14	---/15	
DKC55-20		8.00/8.00	18.0/18.0	IN
(PLANTED) 06/04/2019		21 DAP	28 DAP	
PEST *				
P, Waterhemp, commo		---/13	---/19	
		0.25/1.00	6.00/10.0	IN
P, Tall morning glo		---/11	---/13	
		0.50/1.50	1.00/3.00	IN

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

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

*** STAGE CODE**
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4 LEAVES UNFOLDED
15 = 5 LEAVES UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Bayer Monsanto Integrated Corn Herbicide Programs. Lost 40-B
CREATED: 04/04/2019 **REVISED:** 10/29/2019 **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 % 06/25/19	ZEAMD CON % 07/01/19	ZEAMD CON % 07/15/19	AMATA CON % 06/25/19	PHBPU CON % 06/25/19	AMATA CON % 07/01/19
1A	»HARNESS EXTRA	3.36	LAA	9	0	0	0	98	95	98
2A	»HARNESS EXTRA	2.80	LAA	9	0	0	0	98	95	98
B	»BAL FLEXX 2L	0.047	LAA	9						
3A	»HARNESS EXTRA	2.80	LAA	9	0	0	0	99	98	99
B	»CORVUS 2.6SC	0.067	LAA	9						
4A	»CORVUS 2.6SC	0.0914	LAA	9	0	0	0	88	93	78
B	ATRAZINE DF	1.00	LAA	9						
5A	»CORVUS 2.6SC	0.0914	LAA	9	0	0	0	98	94	92
B	»HARNESS EXTRA	2.24	LAA	9						
6A	»HARNESS MAX 3.	1.92	LAA	9	0	0	0	99	98	97
B	ATRAZINE DF	1.00	LAA	9						
7A	»ACURON 3.44 ZC	2.15	LAA	9	0	0	0	95	99	93
8A	»RESICORE 3.29S	2.06	LAA	9	0	0	0	99	99	99
B	ATRAZINE DF	1.00	LAA	9						
9A	»HARNESS MAX 3.	1.92	LAA	9	0	0	0	99	99	98
B	ATRAZINE DF	1.00	LAA	9						
C	»DIFLEXX 4L	0.25	LAA	12						
D	»MSO	1.00	PMV	12						
E	»LIQUID AMS	2.50	PMV	12						
10A	»HARNESS MAX 3.	1.92	LAA	9	0	0	0	98	99	98
B	ATRAZINE DF	1.00	LAA	9						
C	»DIFLEXX DUO 1.	0.287	LAA	12						
D	»MSO	1.00	PMV	12						
E	»LIQUID AMS	2.50	PMV	12						
11A	»HARNESS MAX 3.	1.92	LAA	9	0	0	0	96	88	96
B	ATRAZINE DF	1.00	LAA	9						
C	»CAPRENO 3.45 S	0.0809	LAA	12						
D	»NIS 90	0.25	PMV	12						
E	»LIQUID AMS	2.50	PMV	12						
12A	»CORVUS 2.6SC	0.067	LAA	9	0	0	0	93	99	91
B	ATRAZINE DF	1.00	LAA	9						
C	»HARNESS MAX 3.	1.68	LAA	11						
D	»NIS 90	0.25	PMV	11						
E	»LIQUID AMS	2.50	PMV	11						
13A	»HARNESS EXTRA	2.80	LAA	9	0	0	0	99	94	98
B	»BAL FLEXX 2L	0.047	LAA	9						
C	»DIFLEXX 4L	0.25	LAA	12						
D	»MSO	1.00	PMV	12						
E	»LIQUID AMS	2.50	PMV	12						
14A	»HARNESS EXTRA	2.80	LAA	9	0	0	0	99	96	96
B	»BAL FLEXX 2L	0.047	LAA	9						
C	»CAPRENO 3.45 S	0.0809	LAA	12						
D	»NIS 90	0.25	PMV	12						
E	»LIQUID AMS	2.50	PMV	12						
15A	»HARNESS MAX 3.	1.20	LAA	9	0	0	0	99	99	98
B	»HARNESS MAX 3.	1.20	LAA	11						
C	»NIS 90	0.25	PMV	11						
D	»LIQUID AMS	2.50	PMV	11						
16A	DEGREE XTRA	3.03	LAA	11	0	0	0	0	0	93
B	»CAPRENO 3.45 S	0.0809	LAA	11						
C	»NIS 90	0.25	PMV	11						
D	»LIQUID AMS	2.50	PMV	11						

TITLE: Bayer Monsanto Integrated Corn Herbicide Programs. Lost 40-B

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	ZEAMD CON % 06/25/19	ZEAMD CON % 07/01/19	ZEAMD CON % 07/15/19	AMATA CON % 06/25/19	PHBPU CON % 06/25/19	AMATA CON % 07/01/19
17A	»HALEX GT 4.38L	1.97	LAA	11	0	0	0	C	C	92
B	ATRAZINE DF	1.00	LAA	11						
C	»NIS 90	0.25	PMV	11						
D	»LIQUID AMS	2.50	PMV	11						
18A	CHECK	0.00	NA	0	0	0	0	C	C	0
	LSD (0.05)				0.0	0.0	0.0	4.5	7.6	6.9
	STANDARD DEVIATION				0.0	0.0	0.0	2.2	3.7	3.4

TITLE: Bayer Monsanto Integrated Corn Herbicide Programs. Lost 40-B
CREATED: 04/04/2019 **REVISED:** 10/29/2019 **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	PHBPU CON % 07/01/19	AMATA CON % 07/15/19	PHBPU CON % 07/15/19
1	A»HARNESS EXTRA	3.36	LAA	9	95	94	91
2	A»HARNESS EXTRA	2.80	LAA	9	95	96	95
	B»BAL FLEXX 2L	0.047	LAA	9			
3	A»HARNESS EXTRA	2.80	LAA	9	99	99	99
	B»CORVUS 2.6SC	0.067	LAA	9			
4	A»CORVUS 2.6SC	0.0914	LAA	9	96	73	96
	B ATRAZINE DF	1.00	LAA	9			
5	A»CORVUS 2.6SC	0.0914	LAA	9	96	90	94
	B»HARNESS EXTRA	2.24	LAA	9			
6	A»HARNESS MAX 3.	1.92	LAA	9	99	98	99
	B ATRAZINE DF	1.00	LAA	9			
7	A»ACURON 3.44 ZC	2.15	LAA	9	99	93	99
8	A»RESICORE 3.29S	2.06	LAA	9	99	99	99
	B ATRAZINE DF	1.00	LAA	9			
9	A»HARNESS MAX 3.	1.92	LAA	9	99	99	99
	B ATRAZINE DF	1.00	LAA	9			
	C»DIFLEXX 4L	0.25	LAA	12			
	D»MSO	1.00	PMV	12			
	E»LIQUID AMS	2.50	PMV	12			
10	A»HARNESS MAX 3.	1.92	LAA	9	99	98	99
	B ATRAZINE DF	1.00	LAA	9			
	C»DIFLEXX DUO 1.	0.287	LAA	12			
	D»MSO	1.00	PMV	12			
	E»LIQUID AMS	2.50	PMV	12			
11	A»HARNESS MAX 3.	1.92	LAA	9	91	96	90
	B ATRAZINE DF	1.00	LAA	9			
	C»CAPRENO 3.45 S	0.0809	LAA	12			
	D»NIS 90	0.25	PMV	12			
	E»LIQUID AMS	2.50	PMV	12			
12	A»CORVUS 2.6SC	0.067	LAA	9	99	90	99
	B ATRAZINE DF	1.00	LAA	9			
	C»HARNESS MAX 3.	1.68	LAA	11			
	D»NIS 90	0.25	PMV	11			
	E»LIQUID AMS	2.50	PMV	11			
13	A»HARNESS EXTRA	2.80	LAA	9	96	98	94
	B»BAL FLEXX 2L	0.047	LAA	9			
	C»DIFLEXX 4L	0.25	LAA	12			
	D»MSO	1.00	PMV	12			
	E»LIQUID AMS	2.50	PMV	12			
14	A»HARNESS EXTRA	2.80	LAA	9	96	98	98
	B»BAL FLEXX 2L	0.047	LAA	9			
	C»CAPRENO 3.45 S	0.0809	LAA	12			
	D»NIS 90	0.25	PMV	12			
	E»LIQUID AMS	2.50	PMV	12			
15	A»HARNESS MAX 3.	1.20	LAA	9	99	99	99
	B»HARNESS MAX 3.	1.20	LAA	11			
	C»NIS 90	0.25	PMV	11			
	D»LIQUID AMS	2.50	PMV	11			
16	A DEGREE XTRA	3.03	LAA	11	99	85	99
	B»CAPRENO 3.45 S	0.0809	LAA	11			
	C»NIS 90	0.25	PMV	11			
	D»LIQUID AMS	2.50	PMV	11			

TITLE: Bayer Monsanto Integrated Corn Herbicide Programs. Lost 40-B

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	PHBPU CON % 07/01/19	AMATA CON % 07/15/19	PHBPU CON % 07/15/19
17A	»HALEX GT 4.38L	1.97	LAA	11	99	90	99
B	ATRAZINE DF	1.00	LAA	11			
C	»NIS 90	0.25	PMV	11			
D	»LIQUID AMS	2.50	PMV	11			
18A	CHECK	0.00	NA	0	0	0	0
	LSD (0.05)				5.9	6.6	7.0
	STANDARD DEVIATION				2.9	3.3	3.4

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

*** TIMING CODES**
00 = --- / UNTREATED TIMING
09 = --- / PREEMERGENCE 06/04/2019(1)
11 = --- / EPOST 06/25/2019(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 %	06/25/2019	01	P	ZEAMD	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ZEAMD	CON %	07/01/2019	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	07/15/2019	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMATA	CON %	06/25/2019	02	P	AMATA	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	PHBPU	CON %	06/25/2019	03	P	PHBPU	11	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMATA	CON %	07/01/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	07/01/2019	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMATA	CON %	07/15/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	PHBPU	CON %	07/15/2019	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

*** STAGE CODE**
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4 LEAVES UNFOLDED