APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.0
%OM: 3.6
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	06/12/20	06/24/20	07/01/20	AME
TIME - BEGIN	09:00	14:00	14:10	24H
TIME - END	09:20	14:20	14:20	24H
AIR TEMPERATURE	79	75	83	F
% REL.HUMIDITY	47	56	58	
WIND DIRECTION	NORTHEAST	WEST	SOUTH	
WIND SPEED	3.0	5.0	4.0	M/H
CLOUD COVER	CLEAR-0%	PAR.CLOUD	PAR.CLOUD	
DEW	TO BE SEL	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	DRY/ DRY	
SOIL CONDITION	TO BE SEL	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	68/4.00	74/4.00	95/4.00	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		---/12	---/15	
NK1082-5222A-EZ1		4.00/4.00	11.0/12.0	IN
(PLANTED) 06/11/2020		13 DAP	20 DAP	
PEST *				
P, Amaranth, Palmer		---/13	---/15	
		0.50/1.00	2.00/4.00	IN
P, Anoda, spurred		---/10	---/15	
		0.25/1.50	2.00/3.00	IN
P, Tall morning glo		---/10	---/11	
		0.25/1.00	0.50/2.00	IN

*** CONTINUE

SPECIE AND STAGE	DEN / STG MIN / MAX	DEN / STG MIN / MAX	DEN / STG MIN / MAX	
PEST *				
P, Giant foxtail		---/12	---/14	
		0.25/3.00	0.50/4.00	IN

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

*** STAGE CODE**
10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2 LEAVES UNFOLDED
12 = 2 LEAVES UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4 LEAVES UNFOLDED
15 = 5 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Bayer Midwest Corn Portfolio. R-3N
CREATED: 04/27/2020 **REVISED:** 10/02/2020 **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 RATE	UNIT	TM	ZEAMD CON % 06/24/20	SETFA CON % 06/24/20	PHBPU CON % 06/24/20	ANVCR CON % 06/24/20	ZEAMD CON % 07/01/20	SETFA CON % 07/01/20
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»CORVUS 2.6SC	5.60	ZMA	9	0	95	89	90	0	92
B	»HARNESS EXTRA	2.00	QMA	9						
3A	»BAL FLEXX 2L	5.00	ZMA	9	0	96	87	83	0	96
B	»HARNESS EXTRA	2.00	QMA	9						
4A	»HARNESS MAX 3.	75.00	ZMA	9	0	93	87	88	0	93
B	AATREX 4L	3.00	PMA	9						
5A	»ACURON 3.44 ZC	2.75	QMA	9	0	93	87	82	0	90
6A	»CAPRENO 3.45 S	3.00	ZMA	11	C	C	C	C	2	93
B	»DEGREE XTRA 4S	3.00	QMA	11						
C	»RNDUP POWERMAX	32.00	ZMA	11						
D	»LIQUID AMS	2.50	PMV	11						
7A	»HARNESS MAX 3.	64.00	ZMA	11	C	C	C	C	6	99
B	AATREX 4L	2.00	PMA	11						
C	»RNDUP POWERMAX	32.00	ZMA	11						
D	»LIQUID AMS	2.50	PMV	11						
8A	»DEGREE XTRA 4S	3.00	QMA	11	C	C	C	C	0	98
B	»DIFLEXX 4L	8.00	ZMA	11						
C	»RNDUP POWERMAX	32.00	ZMA	11						
D	»CLASS ACT RIDI	1.00	PMV	11						
9A	»HALEX GT 4.38L	3.60	PMA	11	C	C	C	C	0	88
B	AATREX 4L	2.00	PMA	11						
C	»ACTIVATOR 90	0.25	PMV	11						
D	»LIQUID AMS	2.50	PMV	11						
10A	»CORVUS 2.6SC	4.50	ZMA	9	0	90	92	85	0	78
B	AATREX 4L	3.00	PMA	9						
C	»HARNESS MAX 3.	40.00	ZMA	12						
D	»RNDUP POWERMAX	32.00	ZMA	12						
E	»LIQUID AMS	2.50	PMV	12						
11A	»BAL FLEXX 2L	3.00	ZMA	9	0	93	90	82	0	93
B	»HARNESS EXTRA	1.60	QMA	9						
C	»CAPRENO 3.45 S	3.00	ZMA	12						
D	»RNDUP POWERMAX	32.00	ZMA	12						
E	»LIQUID AMS	2.50	PMV	12						
12A	»ACURON 3.44 ZC	1.50	QMA	9	0	88	88	88	0	78
B	»HALEX GT 4.38L	3.60	PMA	12						
C	AATREX 4L	2.00	PMA	12						
D	»ACTIVATOR 90	0.25	PMV	12						
E	»LIQUID AMS	2.50	PMV	12						
	LSD (0.05)				0.0	2.6	4.3	7.7	0.6	4.3
	STANDARD DEVIATION				0.0	1.2	2.1	3.7	0.3	2.1

TITLE: Bayer Midwest Corn Portfolio. R-3N
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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 NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	PHBPU CON % 07/01/20	ANVCR CON % 07/01/20	AMAPA CON % 07/01/20	ZEAMD CON % 07/15/20	SETFA CON % 07/15/20	PHBPU CON % 07/15/20
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»CORVUS 2.6SC	5.60	ZMA	9	88	93	99	0	88	87
B	»HARNESS EXTRA	2.00	QMA	9						
3A	»BAL FLEXX 2L	5.00	ZMA	9	83	87	99	0	88	80
B	»HARNESS EXTRA	2.00	QMA	9						
4A	»HARNESS MAX 3.	75.00	ZMA	9	85	90	99	0	83	82
B	AATREX 4L	3.00	PMA	9						
5A	»ACURON 3.44 ZC	2.75	QMA	9	82	88	99	0	77	80
6A	»CAPRENO 3.45 S	3.00	ZMA	11	98	98	99	0	92	93
B	»DEGREE XTRA 4S	3.00	QMA	11						
C	»RNDUP POWERMAX	32.00	ZMA	11						
D	»LIQUID AMS	2.50	PMV	11						
7A	»HARNESS MAX 3.	64.00	ZMA	11	98	96	99	0	98	95
B	AATREX 4L	2.00	PMA	11						
C	»RNDUP POWERMAX	32.00	ZMA	11						
D	»LIQUID AMS	2.50	PMV	11						
8A	»DEGREE XTRA 4S	3.00	QMA	11	95	93	99	0	96	92
B	»DIFLEXX 4L	8.00	ZMA	11						
C	»RNDUP POWERMAX	32.00	ZMA	11						
D	»CLASS ACT RIDI	1.00	PMV	11						
9A	»HALEX GT 4.38L	3.60	PMA	11	99	98	99	0	82	96
B	AATREX 4L	2.00	PMA	11						
C	»ACTIVATOR 90	0.25	PMV	11						
D	»LIQUID AMS	2.50	PMV	11						
10A	»CORVUS 2.6SC	4.50	ZMA	9	88	88	99	0	98	95
B	AATREX 4L	3.00	PMA	9						
C	»HARNESS MAX 3.	40.00	ZMA	12						
D	»RNDUP POWERMAX	32.00	ZMA	12						
E	»LIQUID AMS	2.50	PMV	12						
11A	»BAL FLEXX 2L	3.00	ZMA	9	82	80	99	0	97	95
B	»HARNESS EXTRA	1.60	QMA	9						
C	»CAPRENO 3.45 S	3.00	ZMA	12						
D	»RNDUP POWERMAX	32.00	ZMA	12						
E	»LIQUID AMS	2.50	PMV	12						
12A	»ACURON 3.44 ZC	1.50	QMA	9	82	83	94	0	97	98
B	»HALEX GT 4.38L	3.60	PMA	12						
C	AATREX 4L	2.00	PMA	12						
D	»ACTIVATOR 90	0.25	PMV	12						
E	»LIQUID AMS	2.50	PMV	12						
	LSD (0.05)				6.8	8.5	4.0	0.0	3.0	7.9
	STANDARD DEVIATION				3.3	4.1	1.9	0.0	1.4	3.8

DATA MEAN

TITLE: Bayer Midwest Corn Portfolio. R-3N
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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
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PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	ANVCR CON % 07/15/20	AMAPA CON % 07/15/20	ZEAMD CON % 08/05/20	SETFA CON % 08/05/20	PHBPU CON % 08/05/20	ANVCR CON % 08/05/20
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»CORVUS 2.6SC	5.60	ZMA	9	92	98	0	82	82	83
B	»HARNESS EXTRA	2.00	QMA	9						
3A	»BAL FLEXX 2L	5.00	ZMA	9	83	98	0	82	70	78
B	»HARNESS EXTRA	2.00	QMA	9						
4A	»HARNESS MAX 3.	75.00	ZMA	9	87	99	0	73	75	83
B	AATREX 4L	3.00	PMA	9						
5A	»ACURON 3.44 ZC	2.75	QMA	9	88	99	0	67	67	87
6A	»CAPRENO 3.45 S	3.00	ZMA	11	90	99	0	88	90	83
B	»DEGREE XTRA 4S	3.00	QMA	11						
C	»RNDUP POWERMAX	32.00	ZMA	11						
D	»LIQUID AMS	2.50	PMV	11						
7A	»HARNESS MAX 3.	64.00	ZMA	11	90	99	0	94	93	85
B	AATREX 4L	2.00	PMA	11						
C	»RNDUP POWERMAX	32.00	ZMA	11						
D	»LIQUID AMS	2.50	PMV	11						
8A	»DEGREE XTRA 4S	3.00	QMA	11	90	99	0	93	90	80
B	»DIFLEXX 4L	8.00	ZMA	11						
C	»RNDUP POWERMAX	32.00	ZMA	11						
D	»CLASS ACT RIDI	1.00	PMV	11						
9A	»HALEX GT 4.38L	3.60	PMA	11	92	98	0	70	92	88
B	AATREX 4L	2.00	PMA	11						
C	»ACTIVATOR 90	0.25	PMV	11						
D	»LIQUID AMS	2.50	PMV	11						
10A	»CORVUS 2.6SC	4.50	ZMA	9	88	99	0	95	93	82
B	AATREX 4L	3.00	PMA	9						
C	»HARNESS MAX 3.	40.00	ZMA	12						
D	»RNDUP POWERMAX	32.00	ZMA	12						
E	»LIQUID AMS	2.50	PMV	12						
11A	»BAL FLEXX 2L	3.00	ZMA	9	88	99	0	93	88	82
B	»HARNESS EXTRA	1.60	QMA	9						
C	»CAPRENO 3.45 S	3.00	ZMA	12						
D	»RNDUP POWERMAX	32.00	ZMA	12						
E	»LIQUID AMS	2.50	PMV	12						
12A	»ACURON 3.44 ZC	1.50	QMA	9	96	99	0	95	92	91
B	»HALEX GT 4.38L	3.60	PMA	12						
C	AATREX 4L	2.00	PMA	12						
D	»ACTIVATOR 90	0.25	PMV	12						
E	»LIQUID AMS	2.50	PMV	12						
	LSD (0.05)				8.2	2.0	0.0	5.5	11.6	10.0
	STANDARD DEVIATION				4.0	0.9	0.0	2.7	5.6	4.8

DATA MEAN

TITLE: Bayer Midwest Corn Portfolio. R-3N
CREATED: 04/27/2020 **REVISED:** 10/02/2020 **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 RATE	UNIT	TM	AMAPA CON % 08/05/20
1A	CHECK	0.00	NA	0	0
2A	»CORVUS 2.6SC	5.60	ZMA	9	98
B	»HARNESS EXTRA	2.00	QMA	9	
3A	»BAL FLEXX 2L	5.00	ZMA	9	98
B	»HARNESS EXTRA	2.00	QMA	9	
4A	»HARNESS MAX 3.	75.00	ZMA	9	99
B	AATREX 4L	3.00	PMA	9	
5A	»ACURON 3.44 ZC	2.75	QMA	9	99
6A	»CAPRENO 3.45 S	3.00	ZMA	11	99
B	»DEGREE XTRA 4S	3.00	QMA	11	
C	»RNDUP POWERMAX	32.00	ZMA	11	
D	»LIQUID AMS	2.50	PMV	11	
7A	»HARNESS MAX 3.	64.00	ZMA	11	99
B	AATREX 4L	2.00	PMA	11	
C	»RNDUP POWERMAX	32.00	ZMA	11	
D	»LIQUID AMS	2.50	PMV	11	
8A	»DEGREE XTRA 4S	3.00	QMA	11	99
B	»DIFLEXX 4L	8.00	ZMA	11	
C	»RNDUP POWERMAX	32.00	ZMA	11	
D	»CLASS ACT RIDI	1.00	PMV	11	
9A	»HALEX GT 4.38L	3.60	PMA	11	98
B	AATREX 4L	2.00	PMA	11	
C	»ACTIVATOR 90	0.25	PMV	11	
D	»LIQUID AMS	2.50	PMV	11	
10A	»CORVUS 2.6SC	4.50	ZMA	9	99
B	AATREX 4L	3.00	PMA	9	
C	»HARNESS MAX 3.	40.00	ZMA	12	
D	»RNDUP POWERMAX	32.00	ZMA	12	
E	»LIQUID AMS	2.50	PMV	12	
11A	»BAL FLEXX 2L	3.00	ZMA	9	99
B	»HARNESS EXTRA	1.60	QMA	9	
C	»CAPRENO 3.45 S	3.00	ZMA	12	
D	»RNDUP POWERMAX	32.00	ZMA	12	
E	»LIQUID AMS	2.50	PMV	12	
12A	»ACURON 3.44 ZC	1.50	QMA	9	99
B	»HALEX GT 4.38L	3.60	PMA	12	
C	AATREX 4L	2.00	PMA	12	
D	»ACTIVATOR 90	0.25	PMV	12	
E	»LIQUID AMS	2.50	PMV	12	
	LSD (0.05)				2.0
	STANDARD DEVIATION				0.9

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

*** TIMING CODES**
00 = --- / UNTREATED TIMING
09 = --- / PREEMERGENCE 06/12/2020(1)
11 = --- / EPOST 06/24/2020(2)
12 = --- / POST 07/01/2020(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 %	06/24/2020	01	P	ZEAMD	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Bayer Midwest Corn Portfolio. R-3N

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
002	SETFA	CON %	06/24/2020	02	P	SETFA	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	PHBPU	CON %	06/24/2020	03	P	PHBPU	10	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ANVCR	CON %	06/24/2020	04	P	ANVCR	10	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ZEAMD	CON %	07/01/2020	01	P	ZEAMD	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	SETFA	CON %	07/01/2020	02	P	SETFA	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	07/01/2020	03	P	PHBPU	11	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ANVCR	CON %	07/01/2020	04	P	ANVCR	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMAPA	CON %	07/01/2020	05	P	AMAPA	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ZEAMD	CON %	07/15/2020	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	SETFA	CON %	07/15/2020	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	07/15/2020	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ANVCR	CON %	07/15/2020	04	P	ANVCR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	AMAPA	CON %	07/15/2020	05	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	ZEAMD	CON %	08/05/2020	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	08/05/2020	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	PHBPU	CON %	08/05/2020	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	ANVCR	CON %	08/05/2020	04	P	ANVCR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	AMAPA	CON %	08/05/2020	05	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

*** SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)**
01 = NK1082-5222A-EZ1

*** STAGE CODE**
10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2 LEAVES UNFOLDED
12 = 2 LEAVES UNFOLDED
14 = 4 LEAVES UNFOLDED
15 = 5 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED