APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 5.6
%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	UNIT
TIMINGS	09	12	
TYPE	LIQUID MI	LIQUID MI	
APPLICATION DATE	06/07/18	07/03/18	AME
TIME - BEGIN	14:55	09:50	24H
TIME - END	15:07	10:10	24H
AIR TEMPERATURE	90	85	F
% REL.HUMIDITY	43	75	
WIND DIRECTION	SOUTHWEST	SOUTHEAST	
WIND SPEED	5.0	4.0	M/H
CLOUD COVER	PAR.CLOUD	CLEAR-0%	
DEW	TO BE SEL	NO	
SOIL MOISTURE	DRY/ DRY	MOIST/MOI	
SOIL CONDITION	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	84/4.00	81/4.00	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	
STINE 9746-20		10.0/16.0	IN
(PLANTED) 06/07/2018		26 DAP	
PEST *			
P, Velvetleaf		---/16	
		1.00/8.00	IN
P, Amaranth, Palmer		---/19	
		0.50/6.00	IN
P, Barnyardgrass, c		---/13	
		1.00/6.00	IN

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

*** STAGE CODE**
13 = 3 LEAVES UNFOLDED
16 = 6 LEAVES UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

DATA MEAN

TITLE: UPI Weed Control Programs in Corn. VC-1

CREATED: 06/06/2018 **REVISED:** 08/27/2018 **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 % 06/21/18	ECHCG CON % 06/21/18	AMAPA CON % 06/21/18	ABUTH CON % 06/21/18	ZEAMD CON % 06/29/18	ECHCG CON % 06/29/18
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»MOCCASIN II PL	1.24	LAA	9	0	98	89	94	0	97
B	ATRAZINE DF	1.00	LAA	12						
C	»RNDUP POWERMAX	1.125	LAA	12						
D	»MOCCASIN II PL	0.955	LAA	12						
E	»LIQUID AMS	2.50	PMV	12						
3A	»MOCCASIN II PL	1.24	LAA	9	0	95	93	94	0	93
B	ATRAZINE DF	1.00	LAA	12						
C	»RNDUP POWERMAX	1.125	LAA	12						
D	»COYOTE 3.67SE	2.20	LAA	12						
E	»ACTIVATOR 90	0.25	PMV	12						
F	»LIQUID AMS	2.50	PMV	12						
4A	»MOCCASIN II PL	1.24	LAA	9	0	95	90	93	0	94
B	ATRAZINE DF	1.00	LAA	12						
C	»HALEX GT 4.38L	2.19	LAA	12						
D	»ACTIVATOR 90	0.25	PMV	12						
E	»LIQUID AMS	2.50	PMV	12						
5A	»HALEX GT 4.38L	2.19	LAA	12	C	C	C	C	C	C
B	»ACTIVATOR 90	0.25	PMV	12						
C	»LIQUID AMS	2.50	PMV	12						
6A	»MOCCASIN II PL	1.24	LAA	9	0	94	89	92	0	94
B	ATRAZINE DF	1.00	LAA	12						
C	»INTERMOC 3.57E	1.785	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
7A	»COYOTE 3.67SE	2.20	LAA	9	0	99	99	99	0	99
B	ATRAZINE DF	1.00	LAA	9						
C	»INTERMOC 3.57E	1.785	LAA	12						
D	»RNDUP POWERMAX	1.125	LAA	12						
E	»LIQUID AMS	2.50	PMV	12						
8A	»COYOTE 3.67SE	2.20	LAA	9	0	99	96	97	0	98
B	ATRAZINE DF	1.00	LAA	9						
C	»INTERLINE 2.34	0.585	LAA	12						
D	»RNDUP POWERMAX	1.125	LAA	12						
E	»MOCCASIN II PL	1.24	LAA	12						
F	»LIQUID AMS	2.50	PMV	12						
9A	»COYOTE 3.67SE	2.20	LAA	9	0	99	97	99	0	99
B	»INTERMOC 3.57E	1.785	LAA	12						
C	»RNDUP POWERMAX	1.125	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
10A	»MOCCASIN II PL	1.24	LAA	9	0	94	91	93	0	92
B	»RNDUP POWERMAX	1.125	LAA	12						
C	»INTERLINE 2.34	0.585	LAA	12						
D	»COYOTE 3.67SE	2.20	LAA	12						
E	»ACTIVATOR 90	0.25	PMV	12						
F	»LIQUID AMS	2.50	PMV	12						
	LSD (0.05)				0.0	31.0	29.0	30.8	0.0	30.7
	STANDARD DEVIATION				0.0	14.7	13.7	14.6	0.0	14.6

DATA MEAN

TITLE: UPI Weed Control Programs in Corn. VC-1

CREATED: 06/06/2018 **REVISED:** 08/27/2018 **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 % 06/29/18	ABUTH CON % 06/29/18	ZEAMD CON % 07/10/18	ECHCG CON % 07/10/18	AMAPA CON % 07/10/18	ABUTH CON % 07/10/18
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»MOCCASIN II PL	1.24	LAA	9	84	91	0	99	89	97
B	ATRAZINE DF	1.00	LAA	12						
C	»RNDUP POWERMAX	1.125	LAA	12						
D	»MOCCASIN II PL	0.955	LAA	12						
E	»LIQUID AMS	2.50	PMV	12						
3A	»MOCCASIN II PL	1.24	LAA	9	89	93	0	99	99	99
B	ATRAZINE DF	1.00	LAA	12						
C	»RNDUP POWERMAX	1.125	LAA	12						
D	»COYOTE 3.67SE	2.20	LAA	12						
E	»ACTIVATOR 90	0.25	PMV	12						
F	»LIQUID AMS	2.50	PMV	12						
4A	»MOCCASIN II PL	1.24	LAA	9	86	92	0	99	94	99
B	ATRAZINE DF	1.00	LAA	12						
C	»HALEX GT 4.38L	2.19	LAA	12						
D	»ACTIVATOR 90	0.25	PMV	12						
E	»LIQUID AMS	2.50	PMV	12						
5A	»HALEX GT 4.38L	2.19	LAA	12	C	C	0	99	84	99
B	»ACTIVATOR 90	0.25	PMV	12						
C	»LIQUID AMS	2.50	PMV	12						
6A	»MOCCASIN II PL	1.24	LAA	9	87	90	0	99	99	99
B	ATRAZINE DF	1.00	LAA	12						
C	»INTERMOC 3.57E	1.785	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
7A	»COYOTE 3.67SE	2.20	LAA	9	99	99	0	99	99	98
B	ATRAZINE DF	1.00	LAA	9						
C	»INTERMOC 3.57E	1.785	LAA	12						
D	»RNDUP POWERMAX	1.125	LAA	12						
E	»LIQUID AMS	2.50	PMV	12						
8A	»COYOTE 3.67SE	2.20	LAA	9	97	96	0	99	99	98
B	ATRAZINE DF	1.00	LAA	9						
C	»INTERLINE 2.34	0.585	LAA	12						
D	»RNDUP POWERMAX	1.125	LAA	12						
E	»MOCCASIN II PL	1.24	LAA	12						
F	»LIQUID AMS	2.50	PMV	12						
9A	»COYOTE 3.67SE	2.20	LAA	9	97	98	0	99	99	99
B	»INTERMOC 3.57E	1.785	LAA	12						
C	»RNDUP POWERMAX	1.125	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
10A	»MOCCASIN II PL	1.24	LAA	9	90	89	0	99	99	99
B	»RNDUP POWERMAX	1.125	LAA	12						
C	»INTERLINE 2.34	0.585	LAA	12						
D	»COYOTE 3.67SE	2.20	LAA	12						
E	»ACTIVATOR 90	0.25	PMV	12						
F	»LIQUID AMS	2.50	PMV	12						
	LSD (0.05)				27.4	30.6	0.0	32.0	30.1	31.9
	STANDARD DEVIATION				13.0	14.5	0.0	15.2	14.3	15.1

DATA MEAN

TITLE: UPI Weed Control Programs in Corn. VC-1

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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 NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07/17/18	ECHCG CON % 07/17/18	AMAPA CON % 07/17/18	ABUTH CON % 07/17/18	ZEAMD CON % 07/24/18	ECHCG CON % 07/24/18
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»MOCCASIN II PL	1.24	LAA	9	0	99	89	97	0	99
B	ATRAZINE DF	1.00	LAA	12						
C	»RNDUP POWERMAX	1.125	LAA	12						
D	»MOCCASIN II PL	0.955	LAA	12						
E	»LIQUID AMS	2.50	PMV	12						
3A	»MOCCASIN II PL	1.24	LAA	9	0	99	99	99	0	99
B	ATRAZINE DF	1.00	LAA	12						
C	»RNDUP POWERMAX	1.125	LAA	12						
D	»COYOTE 3.67SE	2.20	LAA	12						
E	»ACTIVATOR 90	0.25	PMV	12						
F	»LIQUID AMS	2.50	PMV	12						
4A	»MOCCASIN II PL	1.24	LAA	9	0	99	93	99	0	99
B	ATRAZINE DF	1.00	LAA	12						
C	»HALEX GT 4.38L	2.19	LAA	12						
D	»ACTIVATOR 90	0.25	PMV	12						
E	»LIQUID AMS	2.50	PMV	12						
5A	»HALEX GT 4.38L	2.19	LAA	12	0	99	83	99	0	99
B	»ACTIVATOR 90	0.25	PMV	12						
C	»LIQUID AMS	2.50	PMV	12						
6A	»MOCCASIN II PL	1.24	LAA	9	0	99	99	99	0	99
B	ATRAZINE DF	1.00	LAA	12						
C	»INTERMOC 3.57E	1.785	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
7A	»COYOTE 3.67SE	2.20	LAA	9	0	99	99	98	0	99
B	ATRAZINE DF	1.00	LAA	9						
C	»INTERMOC 3.57E	1.785	LAA	12						
D	»RNDUP POWERMAX	1.125	LAA	12						
E	»LIQUID AMS	2.50	PMV	12						
8A	»COYOTE 3.67SE	2.20	LAA	9	0	99	99	98	0	99
B	ATRAZINE DF	1.00	LAA	9						
C	»INTERLINE 2.34	0.585	LAA	12						
D	»RNDUP POWERMAX	1.125	LAA	12						
E	»MOCCASIN II PL	1.24	LAA	12						
F	»LIQUID AMS	2.50	PMV	12						
9A	»COYOTE 3.67SE	2.20	LAA	9	0	99	98	98	0	99
B	»INTERMOC 3.57E	1.785	LAA	12						
C	»RNDUP POWERMAX	1.125	LAA	12						
D	»LIQUID AMS	2.50	PMV	12						
10A	»MOCCASIN II PL	1.24	LAA	9	0	99	99	99	0	99
B	»RNDUP POWERMAX	1.125	LAA	12						
C	»INTERLINE 2.34	0.585	LAA	12						
D	»COYOTE 3.67SE	2.20	LAA	12						
E	»ACTIVATOR 90	0.25	PMV	12						
F	»LIQUID AMS	2.50	PMV	12						
	LSD (0.05)				0.0	32.0	30.0	32.0	0.0	32.0
	STANDARD DEVIATION				0.0	15.2	14.2	15.2	0.0	15.2

DATA MEAN

TITLE: UPI Weed Control Programs in Corn. VC-1

CREATED: 06/06/2018 **REVISED:** 08/27/2018 **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 % 07/24/18	ABUTH CON % 07/24/18
1A	CHECK	0.00	NA	0	0	0
2A	»MOCCASIN II PL	1.24	LAA	9	87	96
B	ATRAZINE DF	1.00	LAA	12		
C	»RNDUP POWERMAX	1.125	LAA	12		
D	»MOCCASIN II PL	0.955	LAA	12		
E	»LIQUID AMS	2.50	PMV	12		
3A	»MOCCASIN II PL	1.24	LAA	9	99	99
B	ATRAZINE DF	1.00	LAA	12		
C	»RNDUP POWERMAX	1.125	LAA	12		
D	»COYOTE 3.67SE	2.20	LAA	12		
E	»ACTIVATOR 90	0.25	PMV	12		
F	»LIQUID AMS	2.50	PMV	12		
4A	»MOCCASIN II PL	1.24	LAA	9	92	99
B	ATRAZINE DF	1.00	LAA	12		
C	»HALEX GT 4.38L	2.19	LAA	12		
D	»ACTIVATOR 90	0.25	PMV	12		
E	»LIQUID AMS	2.50	PMV	12		
5A	»HALEX GT 4.38L	2.19	LAA	12	80	99
B	»ACTIVATOR 90	0.25	PMV	12		
C	»LIQUID AMS	2.50	PMV	12		
6A	»MOCCASIN II PL	1.24	LAA	9	99	98
B	ATRAZINE DF	1.00	LAA	12		
C	»INTERMOC 3.57E	1.785	LAA	12		
D	»LIQUID AMS	2.50	PMV	12		
7A	»COYOTE 3.67SE	2.20	LAA	9	99	97
B	ATRAZINE DF	1.00	LAA	9		
C	»INTERMOC 3.57E	1.785	LAA	12		
D	»RNDUP POWERMAX	1.125	LAA	12		
E	»LIQUID AMS	2.50	PMV	12		
8A	»COYOTE 3.67SE	2.20	LAA	9	99	97
B	ATRAZINE DF	1.00	LAA	9		
C	»INTERLINE 2.34	0.585	LAA	12		
D	»RNDUP POWERMAX	1.125	LAA	12		
E	»MOCCASIN II PL	1.24	LAA	12		
F	»LIQUID AMS	2.50	PMV	12		
9A	»COYOTE 3.67SE	2.20	LAA	9	98	98
B	»INTERMOC 3.57E	1.785	LAA	12		
C	»RNDUP POWERMAX	1.125	LAA	12		
D	»LIQUID AMS	2.50	PMV	12		
10A	»MOCCASIN II PL	1.24	LAA	9	99	99
B	»RNDUP POWERMAX	1.125	LAA	12		
C	»INTERLINE 2.34	0.585	LAA	12		
D	»COYOTE 3.67SE	2.20	LAA	12		
E	»ACTIVATOR 90	0.25	PMV	12		
F	»LIQUID AMS	2.50	PMV	12		
	LSD (0.05)				29.6	32.0
	STANDARD DEVIATION				14.0	15.2

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

*** TIMING CODES**
00 = --- / UNTREATED TIMING
09 = --- / PREEMERGENCE 06/07/2018(1)
12 = --- / POST 07/03/2018(2)

DATA MEAN

TITLE: UPI Weed Control Programs in Corn. VC-1

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 %	06/21/2018	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ECHCG	CON %	06/21/2018	02	P	ECHCG		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMAPA	CON %	06/21/2018	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/21/2018	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ZEAMD	CON %	06/29/2018	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ECHCG	CON %	06/29/2018	02	P	ECHCG		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	AMAPA	CON %	06/29/2018	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ABUTH	CON %	06/29/2018	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ZEAMD	CON %	07/10/2018	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ECHCG	CON %	07/10/2018	02	P	ECHCG		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMAPA	CON %	07/10/2018	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	07/10/2018	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD	CON %	07/17/2018	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ECHCG	CON %	07/17/2018	02	P	ECHCG		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	AMAPA	CON %	07/17/2018	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	ABUTH	CON %	07/17/2018	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ZEAMD	CON %	07/24/2018	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	ECHCG	CON %	07/24/2018	02	P	ECHCG		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	AMAPA	CON %	07/24/2018	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	ABUTH	CON %	07/24/2018	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

*** SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)**
01 = STINE 9746-20