

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.6
 %OM: 4.7
 PREV.CROP: GLXMA - soybean;soya bean;soybean
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET
 PLOT AREA: 225 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQUID MI	LIQUID MI	LIQUID MI	
APPLICATION DATE	05/20/16	06/02/16	06/13/16	AME
TIME - BEGIN	08:50	11:10	10:30	24H
TIME - END	09:05	11:20	10:55	24H
AIR TEMPERATURE	62	80	83	F
% REL.HUMIDITY	50	40	40	
WIND DIRECTION	EAST	NORTHEAST	SOUTHEAST	
WIND SPEED	7.0	5.0	6.0	M/H
CLOUD COVER	CLOUDY--6	PAR.CLOUD	CLEAR-0%	
DEW	TO BE SEL	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	DRY/MOIST	
SOIL CONDITION	TO BE SEL	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	60/4.00	74/4.00	83/4.00	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	NA	NA	NA	
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	0.260	0.330	0.330	
MIX SIZE UNIT	GAL	GAL	GAL	
SPRAY VOLUME	15.00	15.00	15.00	
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 MYCOGEN MY13C99 (PLANTED) 05/19/2016		---/12 4.00/5.00 14 DAP	---/13 5.00/7.00 25 DAP	IN
PEST *				
P, velvetleaf;velve		---/10 0.50/1.00	---/14 1.00/2.00	IN
P, common morning g		---/10 0.50/1.00	---/16 0.50/3.00	IN
P, giant foxtail;no		---/11 0.50/1.00	---/14 2.00/5.00	IN

*** CONTINUE

SPECIE AND STAGE	DEN / STG	DEN / STG	DEN / STG	
	MIN / MAX	MIN / MAX	MIN / MAX	
PEST * P, beach cocklebur;		---/10 0.50/1.50	---/14 2.00/6.00	IN

* TIMING CODES

09 = --- / PREEMERGENCE
 11 = --- / EPOST
 12 = --- / POST

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
 11 = FIRST LEAF UNFOLDED
 12 = 2 LEAVES UNFOLDED
 13 = 3 LEAVES UNFOLDED
 14 = 4 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Enlist Corn Weed Control Programs. AS-100
CREATED: 04/07/2016 **REVISED:** 11/20/2016 **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		TM	ZEAMD CON % 06/09/16	ZEAMD CON % 06/13/16	SETFA CON % 06/13/16	ABUTH CON % 06/13/16	PHBPU CON % 06/13/16	XANST CON % 06/13/16
		RATE	UNIT							
1A»	SURESTART II 4	1.30	LAA	9	C	C	C	C	C	C
B»	DURANGO 4AE	1.00	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
2A»	SURESTART II 4	1.30	LAA	9	C	C	C	C	C	C
B»	ENLIST DUO 3.3	1.46	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
3A»	SURESTART II 4	1.30	LAA	9	C	C	C	C	C	C
B»	ENLIST DUO 3.3	1.94	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
4A	HARNESS XTRA	3.50	LAA	9	C	C	C	C	C	C
B»	RNDUP POWERMAX	1.00	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
5A	CHECK	0.00	NA	0	C	C	C	C	C	C
6A»	VERDICT 5.57L	0.52	LAA	9	C	C	C	C	C	C
B»	RNDUP POWERMAX	1.00	LAA	12						
C»	STATUS 56DG	0.175	LAA	12						
D»	ACTIVATOR 90	0.25	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
7A»	SURESTART II 4	1.04	LAA	11	0	0	99	99	95	99
B»	DURANGO 4AE	1.00	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
8A»	SURESTART II 4	1.04	LAA	11	0	0	99	99	98	99
B»	ENLIST DUO 3.3	1.46	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
9A»	SURESTART II 4	1.04	LAA	11	0	0	99	99	98	99
B»	ENLIST DUO 3.3	1.94	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
10A»	HALEX GT 4.38L	1.97	LAA	11	0	0	99	99	97	99
B»	ACTIVATOR 90	0.25	PMV	11						
C»	LIQUID AMS	2.50	PMV	11						
LSD (0.05)					0.0	0.0	0.0	0.0	1.8	0.0
STANDARD DEVIATION					0.0	0.0	0.0	0.0	0.9	0.0

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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		TM	ZEAMD CON % 06/18/16	SETFA CON % 06/18/16	ABUTH CON % 06/18/16	PHBPU CON % 06/18/16	XANST CON % 06/18/16	ZEAMD CON % 06/25/16
		RATE	UNIT							
1A»	SURESTART II 4	1.30	LAA	9	3	99	99	89	98	0
B»	DURANGO 4AE	1.00	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
2A»	SURESTART II 4	1.30	LAA	9	0	99	99	97	99	0
B»	ENLIST DUO 3.3	1.46	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
3A»	SURESTART II 4	1.30	LAA	9	0	99	99	98	99	0
B»	ENLIST DUO 3.3	1.94	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
4A	HARNESS XTRA	3.50	LAA	9	0	99	98	94	98	0
B»	RNDUP POWERMAX	1.00	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
6A»	VERDICT 5.57L	0.52	LAA	9	0	99	98	96	99	0
B»	RNDUP POWERMAX	1.00	LAA	12						
C»	STATUS 56DG	0.175	LAA	12						
D»	ACTIVATOR 90	0.25	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
7A»	SURESTART II 4	1.04	LAA	11	0	99	98	95	99	0
B»	DURANGO 4AE	1.00	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
8A»	SURESTART II 4	1.04	LAA	11	0	99	96	95	99	0
B»	ENLIST DUO 3.3	1.46	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
9A»	SURESTART II 4	1.04	LAA	11	0	98	99	96	99	0
B»	ENLIST DUO 3.3	1.94	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
10A»	HALEX GT 4.38L	1.97	LAA	11	0	98	99	95	96	0
B»	ACTIVATOR 90	0.25	PMV	11						
C»	LIQUID AMS	2.50	PMV	11						
LSD (0.05)					3.1	0.8	3.3	3.8	3.1	0.0
STANDARD DEVIATION					1.5	0.4	1.6	1.8	1.5	0.0

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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		TM	SETFA	ABUTH	PHBPU	XANST	SETFA	ABUTH
		RATE	UNIT		CON % 06/25/16	CON % 06/25/16	CON % 06/25/16	CON % 06/25/16	CON % 07/05/16	CON % 07/05/15
1A»	SURESTART II 4	1.30	LAA	9	99	99	73	99	99	99
B»	DURANGO 4AE	1.00	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
2A»	SURESTART II 4	1.30	LAA	9	99	98	96	99	99	99
B»	ENLIST DUO 3.3	1.46	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
3A»	SURESTART II 4	1.30	LAA	9	99	99	96	99	99	98
B»	ENLIST DUO 3.3	1.94	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
4A	HARNESS XTRA	3.50	LAA	9	99	99	84	99	99	99
B»	RNDUP POWERMAX	1.00	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
6A»	VERDICT 5.57L	0.52	LAA	9	99	99	96	96	99	99
B»	RNDUP POWERMAX	1.00	LAA	12						
C»	STATUS 56DG	0.175	LAA	12						
D»	ACTIVATOR 90	0.25	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
7A»	SURESTART II 4	1.04	LAA	11	99	98	87	99	99	99
B»	DURANGO 4AE	1.00	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
8A»	SURESTART II 4	1.04	LAA	11	99	99	95	99	99	98
B»	ENLIST DUO 3.3	1.46	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
9A»	SURESTART II 4	1.04	LAA	11	99	98	94	98	99	99
B»	ENLIST DUO 3.3	1.94	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
10A»	HALEX GT 4.38L	1.97	LAA	11	98	98	91	90	98	99
B»	ACTIVATOR 90	0.25	PMV	11						
C»	LIQUID AMS	2.50	PMV	11						
LSD (0.05)					0.6	2.2	6.1	4.3	0.7	1.7
STANDARD DEVIATION					0.3	1.0	2.9	2.0	0.3	0.8

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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	TREATMENT	DOSAGE	PHBPU	XANST
NUM	COMPONENT	RATE	CON %	CON %
		UNIT	07/05/16	07/05/16
1A»	SURESTART II 4	1.30	LAA 9	72
B»	DURANGO 4AE	1.00	LAA 12	99
C»	LIQUID AMS	2.50	PMV 12	
2A»	SURESTART II 4	1.30	LAA 9	96
B»	ENLIST DUO 3.3	1.46	LAA 12	99
C»	LIQUID AMS	2.50	PMV 12	
3A»	SURESTART II 4	1.30	LAA 9	93
B»	ENLIST DUO 3.3	1.94	LAA 12	99
C»	LIQUID AMS	2.50	PMV 12	
4A	HARNESS XTRA	3.50	LAA 9	80
B»	RNDUP POWERMAX	1.00	LAA 12	96
C»	LIQUID AMS	2.50	PMV 12	
5A	CHECK	0.00	NA 0	0
6A»	VERDICT 5.57L	0.52	LAA 9	94
B»	RNDUP POWERMAX	1.00	LAA 12	96
C»	STATUS 56DG	0.175	LAA 12	
D»	ACTIVATOR 90	0.25	PMV 12	
E»	LIQUID AMS	2.50	PMV 12	
7A»	SURESTART II 4	1.04	LAA 11	83
B»	DURANGO 4AE	1.00	LAA 11	99
C»	LIQUID AMS	2.50	PMV 11	
8A»	SURESTART II 4	1.04	LAA 11	89
B»	ENLIST DUO 3.3	1.46	LAA 11	99
C»	LIQUID AMS	2.50	PMV 11	
9A»	SURESTART II 4	1.04	LAA 11	91
B»	ENLIST DUO 3.3	1.94	LAA 11	97
C»	LIQUID AMS	2.50	PMV 11	
10A»	HALEX GT 4.38L	1.97	LAA 11	88
B»	ACTIVATOR 90	0.25	PMV 11	99
C»	LIQUID AMS	2.50	PMV 11	
		LSD (0.05)	7.1	4.2
		STANDARD DEVIATION	3.4	2.0

» = SUPPLEMENTAL CHEMICAL

---,M,C,D = MISSING DATA

* TIMING CODES

00 = --- / UNTREATED TIMING
 09 = --- / PREEMERGENCE 05/20/2016(1)
 11 = --- / EPOST 06/02/2016(2)
 12 = --- / POST 06/13/2016(3)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	CON %	06/09/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ZEAMD	CON %	06/13/2016	01	P	ZEAMD	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	SETFA	CON %	06/13/2016	02	P	SETFA	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/13/2016	03	P	ABUTH	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	06/13/2016	04	P	PHBPU	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	XANST	CON %	06/13/2016	05	P	XANST	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	06/18/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/18/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	06/18/2016	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	06/18/2016	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	XANST	CON %	06/18/2016	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Enlist Corn Weed Control Programs. AS-100

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
012	ZEAMD	CON %	06/25/2016	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	SETFA	CON %	06/25/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	CON %	06/25/2016	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	PHBPU	CON %	06/25/2016	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	XANST	CON %	06/25/2016	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	SETFA	CON %	07/05/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	ABUTH	CON %	07/05/2015	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	PHBPU	CON %	07/05/2016	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	XANST	CON %	07/05/2016	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - VARIETY/SPECIES INFO (IF APPLICABLE)

01 = MYCOGEN MY13C99

* STAGE CODE

13 = 3 LEAVES UNFOLDED

14 = 4 LEAVES UNFOLDED

14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED