

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIL  
PH: 6.6  
%OM: 4.7  
PREV.CROP: GLXMA - SOYBEAN  
%RESIDUE: 0  
PLOT WIDTH: 10 X 30 FEET  
PLOT AREA: 300 FEET

DESIGN: RCB  
REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	04	09	12	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	04/08/08	04/21/08	06/05/08	AME
AIR TEMPERATURE	49	77	81	F
% REL.HUMIDITY	63	55	86	
WIND DIRECTION	SOUTHEAST	SOUTHWEST	SOUTHWEST	
WIND SPEED	10.0	5.0	9.0	M/H
CLOUD COVER	CLOUDY	CLEAR	CLEAR	
DEW	---	---	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	IN
SCREEN SIZE				
SCREEN SZ DESC	NA	NA	NA	
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00		
SCREEN SIZE	GPA	GPA		
PRESSURE	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT	---	---	---	
DEN/ STG/ MINMAXSZ				
*** CROP ***				
CORN, DENT			---/16	
PIONEER 34A20			16.0/16.0	IN
04/21/2008				
*** PEST ***				
VELVETLEAF			MED/17	
			2.00/6.00	IN
WATERHEMP, COMMO			HGH/19	
			2.00/8.00	IN
LAMBSQUARTERS, C			HGH/19	
			2.00/8.00	IN
MORNINGGLORY, TA			HGH/19	
			2.00/4.00	IN
FOXTAIL, GIANT			HGH/15	
			4.00/12.0	IN

## \* TIMING CODES

04 = ----- / EPP 30 DBP  
09 = ----- / PREEMERGENCE  
12 = ----- / POST

## \* STAGE CODE

15 = 5 LEAVES UNFOLDED  
16 = 6 LEAVES UNFOLDED  
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** SureStart for residual control in glyphosate-resistant corn. AS-100  
**CREATED:** 03/26/2008 **REVISED:** 09/12/2008 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT WIDE X 30.00 FT LONG  
**PLOT AREA:** 300.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 05/29/08	CON % 05/29/08	CON % 05/29/08	CON % 05/29/08	CON % 05/29/08	CON % 05/29/08
1A»	SURESTART 4.16	1.59	LAA	4	0	89	95	96	90	72
B»	DURANGO 4AE	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
2A»	SURESTART 4.16	1.59	LAA	4	0	88	94	95	87	75
B	ATRAZINE DF	1.00	LAA	4						
C»	DURANGO 4AE	0.75	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
3A»	LEXAR 3.7L	2.31	LAA	4	0	93	98	98	98	77
B»	TOUCHDN TOTAL	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
4A»	KIH-485 85WG	0.27	LAA	4	0	96	93	95	80	73
B»	RNDUP POWERMAX	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
5A»	SURESTART 4.16	0.93	LAA	9	0	93	94	95	80	63
B»	DURANGO 4AE	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
6A»	SURESTART 4.16	1.06	LAA	9	0	96	97	98	81	67
B»	DURANGO 4AE	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
7A»	SURESTART 4.16	1.06	LAA	9	0	98	99	99	89	83
B	ATRAZINE DF	1.00	LAA	9						
C»	DURANGO 4AE	0.75	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
8A»	SURESTART 4.16	1.59	LAA	9	0	96	96	98	84	68
B»	DURANGO 4AE	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
9A»	SURESTART 4.16	1.59	LAA	9	0	98	99	99	93	85
B	ATRAZINE DF	1.00	LAA	9						
C»	DURANGO 4AE	0.75	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A»	LEXAR 3.7L	1.62	LAA	9	0	94	98	97	99	78
B»	TOUCHDN TOTAL	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
12A»	KIH-485 85WG	0.22	LAA	9	0	94	82	85	58	55
B»	RNDUP POWERMAX	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
	LSD (0.05)				0.00	7.25	4.38	4.08	8.90	12.87
	STANDARD DEVIATION				0.00	3.50	2.11	2.00	4.29	6.21

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REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/16/08	CON % 06/16/08	CON % 06/16/08	CON % 06/16/08	CON % 06/16/08	CON % 06/16/08
1A»	SURESTART 4.16	1.59	LAA	4	0	98	99	98	99	91
B»	DURANGO 4AE	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
2A»	SURESTART 4.16	1.59	LAA	4	0	99	99	99	99	94
B	ATRAZINE DF	1.00	LAA	4						
C»	DURANGO 4AE	0.75	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
3A»	LEXAR 3.7L	2.31	LAA	4	0	99	99	99	99	95
B»	TOUCHDN TOTAL	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
4A»	KIH-485 85WG	0.27	LAA	4	0	99	99	99	99	96
B»	RNDUP POWERMAX	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
5A»	SURESTART 4.16	0.93	LAA	9	0	94	99	99	94	77
B»	DURANGO 4AE	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
6A»	SURESTART 4.16	1.06	LAA	9	0	94	99	99	92	83
B»	DURANGO 4AE	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
7A»	SURESTART 4.16	1.06	LAA	9	0	99	99	99	99	97
B	ATRAZINE DF	1.00	LAA	9						
C»	DURANGO 4AE	0.75	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
8A»	SURESTART 4.16	1.59	LAA	9	0	99	99	99	98	86
B»	DURANGO 4AE	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
9A»	SURESTART 4.16	1.59	LAA	9	0	98	99	99	98	94
B	ATRAZINE DF	1.00	LAA	9						
C»	DURANGO 4AE	0.75	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A»	LEXAR 3.7L	1.62	LAA	9	0	99	99	99	99	96
B»	TOUCHDN TOTAL	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
12A»	KIH-485 85WG	0.22	LAA	9	0	99	98	99	99	94
B»	RNDUP POWERMAX	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
	LSD (0.05)				0.00	1.56	0.564	0.489	2.34	5.80
	STANDARD DEVIATION				0.00	0.751	0.272	0.236	1.13	2.80

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**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
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REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07/03/08	SETFA CON % 07/03/08	CHEAL CON % 07/03/08	AMATA CON % 07/03/08	ABUTH CON % 07/03/08	PHBPU CON % 07/03/08
1A»	SURESTART 4.16	1.59	LAA	4	0	96	99	97	95	86
B»	DURANGO 4AE	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
2A»	SURESTART 4.16	1.59	LAA	4	0	96	99	99	97	91
B	ATRAZINE DF	1.00	LAA	4						
C»	DURANGO 4AE	0.75	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
3A»	LEXAR 3.7L	2.31	LAA	4	0	98	99	99	99	94
B»	TOUCHDN TOTAL	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
4A»	KIH-485 85WG	0.27	LAA	4	0	99	99	99	99	95
B»	RNDUP POWERMAX	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
5A»	SURESTART 4.16	0.93	LAA	9	0	90	99	96	93	88
B»	DURANGO 4AE	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
6A»	SURESTART 4.16	1.06	LAA	9	0	94	99	99	97	91
B»	DURANGO 4AE	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
7A»	SURESTART 4.16	1.06	LAA	9	0	98	99	99	99	97
B	ATRAZINE DF	1.00	LAA	9						
C»	DURANGO 4AE	0.75	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
8A»	SURESTART 4.16	1.59	LAA	9	0	99	99	99	99	94
B»	DURANGO 4AE	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
9A»	SURESTART 4.16	1.59	LAA	9	0	97	99	99	99	92
B	ATRAZINE DF	1.00	LAA	9						
C»	DURANGO 4AE	0.75	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A»	LEXAR 3.7L	1.62	LAA	9	0	96	99	99	99	96
B»	TOUCHDN TOTAL	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
12A»	KIH-485 85WG	0.22	LAA	9	0	99	99	99	99	96
B»	RNDUP POWERMAX	0.75	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
LSD (0.05)					0.00	3.40	0.00	1.55	1.94	4.53
STANDARD DEVIATION					0.00	1.64	0.00	0.748	0.935	2.18

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 04 = ----- / EPP 30 DBP 04/08/2008(1)  
 09 = ----- / PREEMERGENCE 04/21/2008(2)  
 12 = ----- / POST 06/05/2008(3)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	ZEAMD	CON %	05/29/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/29/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
003	CHEAL	CON %	05/29/2008	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	05/29/2008	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	05/29/2008	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	05/29/2008	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	06/16/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/16/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	06/16/2008	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	06/16/2008	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/16/2008	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/16/2008	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD	CON %	07/03/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	07/03/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	07/03/2008	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	AMATA	CON %	07/03/2008	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	07/03/2008	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	07/03/2008	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = PIONEER 34A20