

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.4  
 %OM: 4.8  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: 0  
 PLOT WIDTH: 7.5 X 36 FEET  
 PLOT AREA: 270 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	11	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	05/22/09	06/15/09	AME
AIR TEMPERATURE	85	75	F
% REL.HUMIDITY	57	41	
WIND DIRECTION	SOUTH	NORTHEAST	
WIND SPEED	2.0	5.0	M/H
CLOUD COVER	CLEAR	CLOUDY	
DEW	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SCREEN SIZE			
SCREEN SZ DESC	NA	NA	
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	---	---	
	DN/SG/MMZ		
*** CROP ***			
CORN, DENT		---/15	
PIONEER 34A20		12.0/12.0	IN
05/22/2009			
*** PEST ***			
VELVETLEAF		---/12	
		1.00/3.00	IN
RAGWEED, COMMON		---/13	
		2.00/4.00	IN
MORNINGGLORY, TA		---/13	
		1.00/2.00	IN
FOXTAIL, GIANT		---/15	
		2.00/6.00	IN

## \* TIMING CODES

09 = ----- / PREEMERGENCE  
 11 = ----- / EPOST

## \* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5 LEAVES UNFOLDED  
 15 = 5 LEAVES UNFOLDED

**TITLE:** Samson Combinations for Weed Control Systems in RR/LL Corn. C-500  
**CREATED:** 04/19/2009 **REVISED:** 10/09/2009 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 36.00 FT LONG  
**PLOT AREA:** 270.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	AMBEL	ABUTH	PHBPU	ZEAMD
		RATE	UNIT	TM	CON % 06/25/09	CON % 06/25/09	CON % 06/25/09	CON % 06/25/09	CON % 06/25/09	CON % 07/13/09
1A»	SAMSON	0.031	LAA	11	0	90	93	91	87	0
B	CLARITY	0.21	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
2A»	SAMSON	0.031	LAA	11	0	83	95	91	94	0
B	ATRAZINE DF	0.90	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
3A»	SAMSON	0.031	LAA	11	0	85	99	99	98	0
B	ATRAZINE DF	0.90	LAA	11						
C	CLARITY	0.21	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
4A	DUAL II MAGNUM	1.34	LAA	9	0	99	70	92	80	0
B»	SAMSON	0.031	LAA	11						
C	CLARITY	0.21	LAA	11						
D»	LIQUID AMS	2.50	PMV	11						
5A	DUAL II MAGNUM	1.34	LAA	9	0	99	99	99	98	0
B»	SAMSON	0.031	LAA	11						
C	ATRAZINE DF	0.90	LAA	11						
D»	MISO	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
6A	DUAL II MAGNUM	1.34	LAA	9	0	99	99	99	99	0
B»	SAMSON	0.031	LAA	11						
C	ATRAZINE DF	0.90	LAA	11						
D	CLARITY	0.21	LAA	11						
E»	LIQUID AMS	2.50	PMV	11						
7A	ATRAZINE DF	0.90	LAA	9	0	94	72	85	78	0
B»	SAMSON	0.031	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
8A	ATRAZINE DF	0.90	LAA	9	0	43	30	55	53	0
B	ACCENT 75WG	0.031	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
9A	ATRAZINE DF	0.90	LAA	9	0	55	53	72	58	0
B»	OPTION 35WDG	0.033	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
11A	DUAL II MAGNUM	1.34	LAA	9	0	99	94	98	79	0
B»	RNDUP POWERMAX	0.77	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
12A»	CAPRENO 3.45 S	0.081	LAA	11	0	96	99	99	98	0
B	ATRAZINE DF	0.50	LAA	11						
C»	SAMSON	0.031	LAA	11						
D»	COC	1.00	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
LSD (0.05)					0.00	5.86	7.89	4.40	7.32	0.00
STANDARD DEVIATION					0.00	2.82	3.81	2.12	3.53	0.00

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REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			SETFA	AMBEL	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 07/13/09	CON % 07/13/09	CON % 07/13/09	CON % 07/13/09
1A»	SAMSON	0.031	LAA	11	83	90	87	79
B	CLARITY	0.21	LAA	11				
C»	LIQUID AMS	2.50	PMV	11				
2A»	SAMSON	0.031	LAA	11	84	96	93	88
B	ATRAZINE DF	0.90	LAA	11				
C»	LIQUID AMS	2.50	PMV	11				
3A»	SAMSON	0.031	LAA	11	80	99	99	92
B	ATRAZINE DF	0.90	LAA	11				
C	CLARITY	0.21	LAA	11				
D»	LIQUID AMS	2.50	PMV	11				
4A	DUAL II MAGNUM	1.34	LAA	9	99	62	68	62
B»	SAMSON	0.031	LAA	11				
C	CLARITY	0.21	LAA	11				
D»	LIQUID AMS	2.50	PMV	11				
5A	DUAL II MAGNUM	1.34	LAA	9	99	99	99	96
B»	SAMSON	0.031	LAA	11				
C	ATRAZINE DF	0.90	LAA	11				
D»	MISO	1.00	PMV	11				
E»	LIQUID AMS	2.50	PMV	11				
6A	DUAL II MAGNUM	1.34	LAA	9	98	99	99	97
B»	SAMSON	0.031	LAA	11				
C	ATRAZINE DF	0.90	LAA	11				
D	CLARITY	0.21	LAA	11				
E»	LIQUID AMS	2.50	PMV	11				
7A	ATRAZINE DF	0.90	LAA	9	89	63	68	70
B»	SAMSON	0.031	LAA	11				
C»	LIQUID AMS	2.50	PMV	11				
8A	ATRAZINE DF	0.90	LAA	9	88	60	67	63
B	ACCENT 75WG	0.031	LAA	11				
C»	LIQUID AMS	2.50	PMV	11				
9A	ATRAZINE DF	0.90	LAA	9	79	63	68	50
B»	OPTION 35WDG	0.033	LAA	11				
C»	LIQUID AMS	2.50	PMV	11				
10A	CHECK	0.00	NA	0	0	0	0	0
11A	DUAL II MAGNUM	1.34	LAA	9	97	94	89	67
B»	RNDUP POWERMAX	0.77	LAA	11				
C»	LIQUID AMS	2.50	PMV	11				
12A»	CAPRENO 3.45 S	0.081	LAA	11	96	99	99	93
B	ATRAZINE DF	0.50	LAA	11				
C»	SAMSON	0.031	LAA	11				
D»	COC	1.00	PMV	11				
E»	LIQUID AMS	2.50	PMV	11				
LSD (0.05)					5.40	10.20	10.23	6.79
STANDARD DEVIATION					2.60	4.92	4.93	3.27

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 09 = ----- / PREEMERGENCE 05/22/2009(1)  
 11 = ----- / EPOST 06/15/2009(2)

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 %	06/25/2009	01	P	ZEAMD		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	CTRTR	SS	NOTE
002	SETFA	CON %	06/25/2009	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMBEL	CON %	06/25/2009	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/25/2009	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	06/25/2009	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	07/13/2009	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	07/13/2009	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMBEL	CON %	07/13/2009	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	07/13/2009	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	07/13/2009	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = PIONEER 34A20