

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
PH: 6.1
%OM: 5.5
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: 0
PLOT WIDTH: 7.5 X 30 FEET
PLOT AREA: 225 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	11	12	13	
TYPE	LIQMIX	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/29/08	06/23/08	06/27/08	07/14/08	AME
AIR TEMPERATURE	76	84	78	86	F
% REL.HUMIDITY	30	31	67	35	
WIND DIRECTION	SOUTHEAST	NORTHWEST	SOUTHWEST	SOUTHWEST	M/H
WIND SPEED	3.0	7.0	7.0	5.0	
CLOUD COVER	CLEAR	PARTCLDY	PARTCLDY	CLEAR	
DEW	NO	NO	YES	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	IN
SCREEN SIZE					
SCREEN SZ DESC	NA	NA	NA	NA	
SWATH WIDTH	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
SCREEN SIZE	GPA	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE					AME
INC. START					24H
INC. END					24H
INC. DEPTH					IN
INC. EQUIPMENT	---	---	---	---	
DENSITY /					
*** CROP ***					
SOYBEAN		---/14	---/15	---/17	
A 3205RR		6.00/6.00	8.00/8.00	10.0/10.0	IN
05/29/2008					
*** PEST ***					
VELVETLEAF		---/10	---/11	---/00	
		0.50/0.50	1.00/2.00	/	IN
WATERHEMP, COMMO		---/18	---/19	---/18	
		2.00/2.00	2.00/10.0	2.00/4.00	IN
LAMBSQUARTERS, C		---/16	---/19	---/00	
		1.00/1.00	1.00/3.00	/	IN
MORNINGGLORY, TA		---/14	---/16	---/14	
		2.00/2.00	2.00/6.00	2.00/4.00	IN
FOXTAIL, GIANT		---/13	---/15	---/10	
		4.00/6.00	2.00/8.00	1.00/1.00	IN
COCKLEBUR, COMMO		---/13	---/18	---/12	
		4.00/4.00	2.00/10.0	2.00/2.00	IN

* TIMING CODES

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

* STAGE CODE

00 = DRY SEED; DORMANCY
10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
10 = FIRST LEAF THROUGH COLEOPTILE
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

* STAGE CODE

13 = 3 LEAVES UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH LEAF (3RD TRIFOLIATE LEAF) UNFOLDED, 4 NODES
15 = 5 LEAVES UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH LEAF (5TH TRIFOLIATE LEAF) UNFOLDED, 6 NODES
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Syngenta herbicide comparison for weed control in soybean.
CREATED: 05/03/2008 **REVISED:** 11/17/2008 **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 TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 06/19/08	SETFA CON % 06/19/08	AMATA CON % 06/19/08	CHEAL CON % 06/19/08	ABUTH CON % 06/19/08	PHBPU CON % 06/19/08
1A»PREFIX 5.32SL	1.00	LAA	9	0	82	91	94	62	60
B»TOUCHDN TOTAL	0.78	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
2A»PREFIX 5.32SL	1.33	LAA	9	0	92	96	98	75	70
B»TOUCHDN TOTAL	0.78	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
3A»BOUNDARY 6.5EC	1.22	LAA	9	0	91	89	93	57	43
B»TOUCHDN TOTAL	0.78	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
4A VALOR 51WG	0.064	LAA	9	0	65	94	95	73	63
B»TOUCHDN TOTAL	0.78	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
5A CLASSIC 25WG	0.005	LAA	9	0	50	95	97	83	74
B»HARMONY 50SG	0.016	LAA	9						
C VALOR 51WG	0.063	LAA	9						
D»TOUCHDN TOTAL	0.78	LAA	12						
E»LIQUID AMS	2.50	PMV	12						
6A»SONIC 70DF	0.131	LAA	9	0	43	84	92	75	67
B»TOUCHDN TOTAL	0.78	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
7A CHECK	0.00	NA	0	0	0	0	0	0	0
8A»TOUCHDN TOTAL	0.78	LAA	11	0	C	C	C	C	C
B»LIQUID AMS	2.50	PMV	11						
9A»TOUCHDN TOTAL	1.00	LAA	11	0	C	C	C	C	C
B REFLEX 2LC	0.25	LAA	11						
C»LIQUID AMS	2.50	PMV	11						
10A»TOUCHDN TOTAL	0.78	LAA	11	0	C	C	C	C	C
B»LIQUID AMS	2.50	PMV	11						
C»TOUCHDN TOTAL	0.78	LAA	13						
D»LIQUID AMS	2.50	PMV	13						
11A PURSUIT +	0.91	LAA	9	0	91	68	92	80	83
B»TOUCHDN TOTAL	0.78	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
12A CHECK	0.00	NA	0	0	C	C	C	C	C
LSD (0.05)				0.00	6.55	6.47	5.41	9.12	8.30
STANDARD DEVIATION				0.00	3.16	3.12	2.61	4.40	4.00

TITLE: Syngenta herbicide comparison for weed control in soybean.
CREATED: 05/03/2008 **REVISED:** 11/17/2008 **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	TREATMENT	DOSAGE			XANST	GLXMA	SETFA	AMATA	CHEAL	ABUTH
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %	CON %
					06/19/08	07/10/08	07/10/08	07/10/08	07/10/08	07/10/08
1A»	PREFIX 5.32SL	1.00	LAA	9	52	0	99	98	99	99
B»	TOUCHDN TOTAL	0.78	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
2A»	PREFIX 5.32SL	1.33	LAA	9	60	0	99	99	99	99
B»	TOUCHDN TOTAL	0.78	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
3A»	BOUNDARY 6.5EC	1.22	LAA	9	43	0	99	99	99	99
B»	TOUCHDN TOTAL	0.78	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
4A	VALOR 51WG	0.064	LAA	9	57	0	98	99	99	99
B»	TOUCHDN TOTAL	0.78	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
5A	CLASSIC 25WG	0.005	LAA	9	63	0	94	98	99	99
B»	HARMONY 50SG	0.016	LAA	9						
C	VALOR 51WG	0.063	LAA	9						
D»	TOUCHDN TOTAL	0.78	LAA	12						
E»	LIQUID AMS	2.50	PMV	12						
6A»	SONIC 70DF	0.131	LAA	9	57	0	95	91	99	99
B»	TOUCHDN TOTAL	0.78	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
7A	CHECK	0.00	NA	0	0	0	0	0	0	0
8A»	TOUCHDN TOTAL	0.78	LAA	11	C	0	94	95	99	99
B»	LIQUID AMS	2.50	PMV	11						
9A»	TOUCHDN TOTAL	1.00	LAA	11	C	6	99	97	99	99
B	REFLEX 2LC	0.25	LAA	11						
C»	LIQUID AMS	2.50	PMV	11						
10A»	TOUCHDN TOTAL	0.78	LAA	11	C	0	91	90	99	98
B»	LIQUID AMS	2.50	PMV	11						
C»	TOUCHDN TOTAL	0.78	LAA	13						
D»	LIQUID AMS	2.50	PMV	13						
11A	PURSUIT +	0.91	LAA	9	78	0	97	82	99	99
B»	TOUCHDN TOTAL	0.78	LAA	12						
C»	LIQUID AMS	2.50	PMV	12						
12A	CHECK	0.00	NA	0	C	0	0	0	0	0
LSD (0.05)					6.72	0.847	2.51	2.53	0.282	0.564
STANDARD DEVIATION					3.24	0.408	1.21	1.22	0.136	0.272

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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 TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	PHBPU CON % 07/10/08	XANST CON % 07/10/08	GLXMA CON % 07/30/08	SETFA CON % 07/30/08	AMATA CON % 07/30/08	CHEAL CON % 07/30/08
1A»PREFIX 5.32SL	1.00	LAA	9	83	94	0	93	91	99
B»TOUCHDN TOTAL	0.78	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
2A»PREFIX 5.32SL	1.33	LAA	9	85	97	0	96	99	98
B»TOUCHDN TOTAL	0.78	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
3A»BOUNDARY 6.5EC	1.22	LAA	9	80	89	0	96	91	99
B»TOUCHDN TOTAL	0.78	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
4A VALOR 51WG	0.064	LAA	9	92	98	0	72	79	99
B»TOUCHDN TOTAL	0.78	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
5A CLASSIC 25WG	0.005	LAA	9	92	96	0	68	81	99
B»HARMONY 50SG	0.016	LAA	9						
C VALOR 51WG	0.063	LAA	9						
D»TOUCHDN TOTAL	0.78	LAA	12						
E»LIQUID AMS	2.50	PMV	12						
6A»SONIC 70DF	0.131	LAA	9	93	97	0	68	65	96
B»TOUCHDN TOTAL	0.78	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
7A CHECK	0.00	NA	0	0	0	0	0	0	0
8A»TOUCHDN TOTAL	0.78	LAA	11	84	91	0	77	57	84
B»LIQUID AMS	2.50	PMV	11						
9A»TOUCHDN TOTAL	1.00	LAA	11	94	98	3	91	84	99
B REFLEX 2LC	0.25	LAA	11						
C»LIQUID AMS	2.50	PMV	11						
10A»TOUCHDN TOTAL	0.78	LAA	11	85	89	0	93	97	99
B»LIQUID AMS	2.50	PMV	11						
C»TOUCHDN TOTAL	0.78	LAA	13						
D»LIQUID AMS	2.50	PMV	13						
11A PURSUIT +	0.91	LAA	9	98	99	0	98	40	99
B»TOUCHDN TOTAL	0.78	LAA	12						
C»LIQUID AMS	2.50	PMV	12						
12A CHECK	0.00	NA	0	0	0	0	0	0	0
LSD (0.05)				4.68	4.55	0.747	6.82	10.00	3.41
STANDARD DEVIATION				2.25	2.20	0.36	3.29	4.83	1.65

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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	TREATMENT	DOSAGE	ABUTH	PHBPU	XANST
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %
				07/30/08	07/30/08
1A»	PREFIX 5.32SL	1.00	LAA 9	91	77
B»	TOUCHDN TOTAL	0.78	LAA 12		78
C»	LIQUID AMS	2.50	PMV 12		
2A»	PREFIX 5.32SL	1.33	LAA 9	97	83
B»	TOUCHDN TOTAL	0.78	LAA 12		87
C»	LIQUID AMS	2.50	PMV 12		
3A»	BOUNDARY 6.5EC	1.22	LAA 9	72	70
B»	TOUCHDN TOTAL	0.78	LAA 12		73
C»	LIQUID AMS	2.50	PMV 12		
4A	VALOR 51WG	0.064	LAA 9	89	78
B»	TOUCHDN TOTAL	0.78	LAA 12		75
C»	LIQUID AMS	2.50	PMV 12		
5A	CLASSIC 25WG	0.005	LAA 9	90	76
B»	HARMONY 50SG	0.016	LAA 9		78
C	VALOR 51WG	0.063	LAA 9		
D»	TOUCHDN TOTAL	0.78	LAA 12		
E»	LIQUID AMS	2.50	PMV 12		
6A»	SONIC 70DF	0.131	LAA 9	93	79
B»	TOUCHDN TOTAL	0.78	LAA 12		72
C»	LIQUID AMS	2.50	PMV 12		
7A	CHECK	0.00	NA 0	0	0
8A»	TOUCHDN TOTAL	0.78	LAA 11	78	53
B»	LIQUID AMS	2.50	PMV 11		60
9A»	TOUCHDN TOTAL	1.00	LAA 11	95	72
B	REFLEX 2LC	0.25	LAA 11		75
C»	LIQUID AMS	2.50	PMV 11		
10A»	TOUCHDN TOTAL	0.78	LAA 11	99	92
B»	LIQUID AMS	2.50	PMV 11		93
C»	TOUCHDN TOTAL	0.78	LAA 13		
D»	LIQUID AMS	2.50	PMV 13		
11A	PURSUIT +	0.91	LAA 9	99	92
B»	TOUCHDN TOTAL	0.78	LAA 12		89
C»	LIQUID AMS	2.50	PMV 12		
12A	CHECK	0.00	NA 0	0	0
LSD (0.05)				10.62	8.38
STANDARD DEVIATION				5.12	4.00
					7.81
					3.77

» = SUPPLEMENTAL CHEMICAL

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

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/29/2008(1)
 11 = ----- / EPOST 06/23/2008(2)
 12 = ----- / POST 06/27/2008(3)
 13 = ----- / LPOST 07/14/2008(4)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	GLXMA	CON %	06/19/2008	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/19/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	06/19/2008	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/19/2008	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Syngenta herbicide comparison for weed control in soybean.

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
005	ABUTH	CON %	06/19/2008	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/19/2008	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	XANST	CON %	06/19/2008	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	GLXMA	CON %	07/10/2008	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	07/10/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	07/10/2008	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	CHEAL	CON %	07/10/2008	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	07/10/2008	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	07/10/2008	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST	CON %	07/10/2008	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	GLXMA	CON %	07/30/2008	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	07/30/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	AMATA	CON %	07/30/2008	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	CHEAL	CON %	07/30/2008	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ABUTH	CON %	07/30/2008	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	PHBPU	CON %	07/30/2008	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	XANST	CON %	07/30/2008	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = A 3205RR