

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIX  
 PH: 6.1  
 %OM: 5.5  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: 0  
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	11	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	05/08/06	06/02/06	AME
AIR TEMPERATURE	77	75	F
% REL.HUMIDITY	40	50	
WIND DIRECTION	SOUTHWEST	NORTH	
WIND SPEED	3.0	3.0	M/H
CLOUD COVER	PARTCLDY	PARTCLDY	
DEW	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	
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
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
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	---	---	
DN/SG/MMZ			
*** CROP ***			
CORN, DENT		---/14	
ASGROW 752RR		8.00/8.00	IN
05/08/2006			
*** PEST ***			
VELVETLEAF		---/12	
		1.00/2.00	IN
WATERHEMP, COMMO		---/18	
		1.00/3.00	IN
LAMBSQUARTERS, C		---/18	
		1.00/3.00	IN
MORNINGGLORY, TA		---/11	
		1.00/1.00	IN
FOXTAIL, GIANT		---/13	
		1.00/4.00	IN

## \* TIMING CODES

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

## \* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3 LEAVES UNFOLDED  
 14 = 4 LEAVES UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Pre and Postemergence Weed Control in Roundup Ready Corn. AS-400  
**CREATED:** 05/02/2006 **REVISED:** 09/29/2006 **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 **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	AMATA	CHEAL	ABUTH	PHBPU
		RATE	UNIT		CON % 06/02/06	CON % 06/02/06	CON % 06/02/06	CON % 06/02/06	CON % 06/02/06	CON % 06/02/06
1A	IR 8116 0.42L	0.022	LAA	9	0	78	98	98	82	62
	B»DUAL II MAGNUM	1.68	LAA	9						
	C CALLISTO 4SC	0.168	LAA	9						
2A	IR 8116 0.42L	0.045	LAA	9	0	82	98	98	91	69
	B»DUAL II MAGNUM	1.68	LAA	9						
	C CALLISTO 4SC	0.168	LAA	9						
3A	IR 6396 0.42L	0.022	LAA	9	0	78	99	98	88	58
	B»DUAL II MAGNUM	1.68	LAA	9						
	C CALLISTO 4SC	0.168	LAA	9						
4A	IR 6396 0.42L	0.045	LAA	9	0	79	99	99	93	63
	B»DUAL II MAGNUM	1.68	LAA	9						
	C CALLISTO 4SC	0.168	LAA	9						
5A	LUMAX	2.47	LAA	9	0	94	99	99	97	58
6A	DUAL II MAGNUM	0.79	LAA	9	0	63	62	53	0	0
	B»IMPACT 2.8SC	0.011	LAA	11						
	C»TENKOZ ATRA 4L	0.50	LAA	11						
	D»TRADITION 93	0.25	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
7A	DUAL II MAGNUM	0.79	LAA	9	0	62	55	57	0	0
	B»IMPACT 2.8SC	0.011	LAA	11						
	C»TENKOZ ATRA 4L	0.50	LAA	11						
	D»R-WAY COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A	DUAL II MAGNUM	0.79	LAA	9	0	58	57	50	0	0
	B»IMPACT 2.8SC	0.011	LAA	11						
	C»TENKOZ ATRA 4L	0.50	LAA	11						
	D»SUNDANCE II MS	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
10A	DUAL II MAGNUM	0.79	LAA	9	0	63	63	60	0	0
	B»IMPACT 2.8SC	0.011	LAA	11						
	C»TENKOZ ATRA 4L	0.50	LAA	11						
	D»ZENITH	1.50	LMA	11						
11A	DUAL II MAGNUM	0.79	LAA	9	0	60	62	55	0	0
	B»IMPACT 2.8SC	0.016	LAA	11						
	C»TENKOZ ATRA 4L	0.50	LAA	11						
	D»MSO	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
12A	DUAL II MAGNUM	0.79	LAA	9	0	52	57	45	0	0
	B STEADFAST 75WG	0.035	LAA	11						
	C CALLISTO 4SC	0.047	LAA	11						
	D ATRAZINE DF	1.00	LAA	11						
	E»COC	1.00	PMV	11						
	F 28% UAN	2.50	PMV	11						
		LSD (0.05)			0.00	13.54	9.17	11.00	6.21	13.00
		STANDARD DEVIATION			0.00	6.53	4.42	5.28	3.00	6.25

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**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	AMATA	CHEAL	ABUTH	PHBPU
		RATE	UNIT		CON % 06/13/06	CON % 06/13/06	CON % 06/13/06	CON % 06/13/06	CON % 06/13/06	CON % 06/13/06
1A	IR 8116 0.42L	0.022	LAA	9	0	78	98	99	99	57
	B»DUAL II MAGNUM	1.68	LAA	9						
	C CALLISTO 4SC	0.168	LAA	9						
2A	IR 8116 0.42L	0.045	LAA	9	0	82	99	99	99	63
	B»DUAL II MAGNUM	1.68	LAA	9						
	C CALLISTO 4SC	0.168	LAA	9						
3A	IR 6396 0.42L	0.022	LAA	9	0	77	93	99	99	60
	B»DUAL II MAGNUM	1.68	LAA	9						
	C CALLISTO 4SC	0.168	LAA	9						
4A	IR 6396 0.42L	0.045	LAA	9	0	78	98	99	99	67
	B»DUAL II MAGNUM	1.68	LAA	9						
	C CALLISTO 4SC	0.168	LAA	9						
5A	LUMAX	2.47	LAA	9	0	88	98	99	99	72
6A	DUAL II MAGNUM	0.79	LAA	9	0	97	99	99	99	86
	B»IMPACT 2.8SC	0.011	LAA	11						
	C»TENKOZ ATRA 4L	0.50	LAA	11						
	D»TRADITION 93	0.25	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
7A	DUAL II MAGNUM	0.79	LAA	9	0	98	99	99	99	90
	B»IMPACT 2.8SC	0.011	LAA	11						
	C»TENKOZ ATRA 4L	0.50	LAA	11						
	D»R-WAY COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A	DUAL II MAGNUM	0.79	LAA	9	0	99	99	99	99	90
	B»IMPACT 2.8SC	0.011	LAA	11						
	C»TENKOZ ATRA 4L	0.50	LAA	11						
	D»SUNDANCE II MS	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
10A	DUAL II MAGNUM	0.79	LAA	9	0	98	99	99	99	89
	B»IMPACT 2.8SC	0.011	LAA	11						
	C»TENKOZ ATRA 4L	0.50	LAA	11						
	D»ZENITH	1.50	LMA	11						
11A	DUAL II MAGNUM	0.79	LAA	9	0	99	99	99	99	92
	B»IMPACT 2.8SC	0.016	LAA	11						
	C»TENKOZ ATRA 4L	0.50	LAA	11						
	D»MSO	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
12A	DUAL II MAGNUM	0.79	LAA	9	0	98	99	99	99	92
	B STEADFAST 75WG	0.035	LAA	11						
	C CALLISTO 4SC	0.047	LAA	11						
	D ATRAZINE DF	1.00	LAA	11						
	E»COC	1.00	PMV	11						
	F 28% UAN	2.50	PMV	11						
		LSD (0.05)			0.00	7.09	3.72	0.00	0.00	9.64
		STANDARD DEVIATION			0.00	3.42	1.80	0.00	0.00	4.65

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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 **REPS:** 03

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	AMATA	CHEAL	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %	CON %	CON %
			TM	06/30/06	06/30/06	06/30/06	06/30/06	06/30/06	06/30/06
1A»	IR 8116 0.42L	0.022	LAA 9	0	70	73	70	40	40
B»	DUAL II MAGNUM	1.68	LAA 9						
C	CALLISTO 4SC	0.168	LAA 9						
2A»	IR 8116 0.42L	0.045	LAA 9	0	73	77	80	50	40
B»	DUAL II MAGNUM	1.68	LAA 9						
C	CALLISTO 4SC	0.168	LAA 9						
3A»	IR 6396 0.42L	0.022	LAA 9	0	67	75	70	47	33
B»	DUAL II MAGNUM	1.68	LAA 9						
C	CALLISTO 4SC	0.168	LAA 9						
4A»	IR 6396 0.42L	0.045	LAA 9	0	78	90	90	53	33
B»	DUAL II MAGNUM	1.68	LAA 9						
C	CALLISTO 4SC	0.168	LAA 9						
5A	LUMAX	2.47	LAA 9	0	85	96	97	99	47
6A»	DUAL II MAGNUM	0.79	LAA 9	0	96	99	99	97	75
B»	IMPACT 2.8SC	0.011	LAA 11						
C»	TENKOZ ATRA 4L	0.50	LAA 11						
D»	TRADITION 93	0.25	PMV 11						
E»	LIQUID AMS	2.50	PMV 11						
7A»	DUAL II MAGNUM	0.79	LAA 9	0	97	99	99	99	79
B»	IMPACT 2.8SC	0.011	LAA 11						
C»	TENKOZ ATRA 4L	0.50	LAA 11						
D»	R-WAY COC	1.00	PMV 11						
E»	LIQUID AMS	2.50	PMV 11						
8A	CHECK	0.00	NA 0	0	0	0	0	0	0
9A»	DUAL II MAGNUM	0.79	LAA 9	0	94	93	98	96	73
B»	IMPACT 2.8SC	0.011	LAA 11						
C»	TENKOZ ATRA 4L	0.50	LAA 11						
D»	SUNDANCE II MS	1.00	PMV 11						
E»	LIQUID AMS	2.50	PMV 11						
10A»	DUAL II MAGNUM	0.79	LAA 9	0	95	99	99	96	78
B»	IMPACT 2.8SC	0.011	LAA 11						
C»	TENKOZ ATRA 4L	0.50	LAA 11						
D»	ZENITH	1.50	LMA 11						
11A»	DUAL II MAGNUM	0.79	LAA 9	0	96	99	99	96	78
B»	IMPACT 2.8SC	0.016	LAA 11						
C»	TENKOZ ATRA 4L	0.50	LAA 11						
D»	MISO	1.00	PMV 11						
E»	LIQUID AMS	2.50	PMV 11						
12A»	DUAL II MAGNUM	0.79	LAA 9	0	97	99	99	99	81
B	STEADFAST 75WG	0.035	LAA 11						
C	CALLISTO 4SC	0.047	LAA 11						
D	ATRAZINE DF	1.00	LAA 11						
E»	COC	1.00	PMV 11						
F	28% UAN	2.50	PMV 11						
		LSL (0.05)		0.00	7.53	4.19	5.31	6.94	10.79
		STANDARD DEVIATION		0.00	3.63	2.00	2.56	3.35	5.20

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 09 = ----- / PREEMERGENCE 05/08/2006(1)  
 11 = ----- / EPOST 06/02/2006(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 %	06/02/2006	01	P	ZEAMD	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Pre and Postemergence Weed Control in Roundup Ready Corn. AS-400

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 %	06/02/2006	02	P	SETFA	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	06/02/2006	03	P	AMATA	18	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/02/2006	04	P	CHEAL	18	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/02/2006	05	P	ABUTH	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/02/2006	06	P	PHBPU	11	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	06/13/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/13/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMATA	CON %	06/13/2006	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/13/2006	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/13/2006	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/13/2006	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD	CON %	06/30/2006	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	06/30/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	AMATA	CON %	06/30/2006	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	CHEAL	CON %	06/30/2006	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	06/30/2006	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	06/30/2006	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

## \* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 752RR

## \* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3 LEAVES UNFOLDED  
14 = 4 LEAVES UNFOLDED  
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED