

## SOIL INFORMATION

## TRIAL INFORMATION

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

DESIGN: RCB  
REPS: 4

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	12	13	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	04/20/07	05/29/07	06/06/07	AME
AIR TEMPERATURE	63	80	67	F
% REL.HUMIDITY	30	52	32	
WIND DIRECTION	EAST	SOUTH	SOUTHEAST	
WIND SPEED	5.0	2.0	4.0	M/H
CLOUD COVER	CLEAR	CLEAR	CLEAR	
DEW	NO	YES	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	DRY/MOIST	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
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
SPRAY VOLUME	20.00	20.00	20.00	
SCREEN SIZE	GPA	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		---/17	---/18	
ASGROW 715 RR		20.0/20.0	30.0/30.0	IN
04/19/2007				
*** PEST ***				
VELVETLEAF		---/18	---/19	
		4.00/12.0	6.00/16.0	IN
WATERHEMP, COMMO		---/19	---/19	
		4.00/10.0	6.00/14.0	IN
LAMBSQUARTERS, C		---/19	---/19	
		4.00/10.0	6.00/14.0	IN
MORNINGGLORY, TA		---/19	---/19	
		2.00/6.00	4.00/10.0	IN
SMARTWEED, PENNS		---/19	---/19	
		3.00/6.00	6.00/12.0	IN
FOXTAIL, GIANT		---/15	---/17	
		4.00/12.0	6.00/16.0	IN

## \* TIMING CODES

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

## \* STAGE CODE

15 = 5 LEAVES UNFOLDED  
17 = 7 LEAVES UNFOLDED  
17 = 7 LEAVES UNFOLDED  
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
18 = 8 LEAVES UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Acetochlor to Extend Residual Weed Control in Roundup-Ready Corn. AS-200  
**CREATED:** 04/12/2007 **REVISED:** 10/24/2007 **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: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	ABUTH	PHBPU	POLPY	AMATA	
		RATE	UNIT	TM	CON % 05/11/07	CON % 05/11/07	CON % 05/11/07	CON % 05/11/07	CON % 05/11/07	CON % 05/11/07	
1A	HARNESS XTRA	2.10	LAA	9	0	90	10	0	94	95	
	B»RDUP ORIG MAX	0.75	LAA	12							
	C»LIQUID AMS	2.50	PMV	12							
2A	HARNESS XTRA	2.10	LAA	9	0	91	10	0	96	95	
	B»RDUP ORIG MAX	0.75	LAA	12							
	C HARNESS (7EC)	1.31	LAA	12							
	D»LIQUID AMS	2.50	PMV	12							
3A	HARNESS XTRA	2.10	LAA	9	0	89	10	0	94	96	
	B»RDUP ORIG MAX	0.75	LAA	12							
	C HARNESS (7EC)	2.60	LAA	12							
	D»LIQUID AMS	2.50	PMV	12							
4A	HARNESS XTRA	2.10	LAA	9	0	93	10	0	96	95	
	B»RDUP ORIG MAX	0.75	LAA	13							
	C HARNESS (7EC)	1.31	LAA	13							
	D»LIQUID AMS	2.50	PMV	13							
5A	HARNESS XTRA	2.10	LAA	9	0	89	10	0	93	93	
	B»RDUP ORIG MAX	0.75	LAA	13							
	C HARNESS (7EC)	2.60	LAA	13							
	D»LIQUID AMS	2.50	PMV	13							
6A	HARNESS XTRA	2.10	LAA	9	0	90	10	0	95	96	
	B»RDUP ORIG MAX	0.75	LAA	12							
	C CALLISTO 4SC	0.094	LAA	12							
	D»LIQUID AMS	2.50	PMV	12							
7A	HARNESS XTRA	2.10	LAA	9	0	91	10	0	96	95	
	B»RDUP ORIG MAX	0.75	LAA	12							
	C»STATUS 56DG	0.088	LAA	12							
	D»LIQUID AMS	2.50	PMV	12							
8A	HARNESS XTRA	2.10	LAA	9	0	91	10	0	94	95	
	B»RDUP ORIG MAX	0.75	LAA	12							
	C»IMPACT 2.8SC	0.011	LAA	12							
	D»LIQUID AMS	2.50	PMV	12							
9A	HARNESS XTRA	3.50	LAA	9	0	93	10	0	94	95	
10A»	LEXAR 3.7L	3.24	LAA	9	0	83	99	63	99	98	
					LSD (0.05)	0.00	5.20	0.00	2.29	2.91	3.00
					STANDARD DEVIATION	0.00	2.53	0.00	1.12	1.42	1.44

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REPS: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE			CHEAL	ZEAMD	SETFA	ABUTH	PHBPU	POLPY
		RATE	UNIT	TM	CON % 05/11/07	CON % 06/07/07	CON % 06/07/07	CON % 06/07/07	CON % 06/07/07	CON % 06/07/07
1A	HARNES XTRA	2.10	LAA	9	95	0	99	93	56	90
	B»RDUP ORIG MAX	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
2A	HARNES XTRA	2.10	LAA	9	96	1	99	94	58	90
	B»RDUP ORIG MAX	0.75	LAA	12						
	C HARNES (7EC)	1.31	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
3A	HARNES XTRA	2.10	LAA	9	95	3	99	95	64	89
	B»RDUP ORIG MAX	0.75	LAA	12						
	C HARNES (7EC)	2.60	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
4A	HARNES XTRA	2.10	LAA	9	96	0	C	C	C	C
	B»RDUP ORIG MAX	0.75	LAA	13						
	C HARNES (7EC)	1.31	LAA	13						
	D»LIQUID AMS	2.50	PMV	13						
5A	HARNES XTRA	2.10	LAA	9	95	0	C	C	C	C
	B»RDUP ORIG MAX	0.75	LAA	13						
	C HARNES (7EC)	2.60	LAA	13						
	D»LIQUID AMS	2.50	PMV	13						
6A	HARNES XTRA	2.10	LAA	9	96	0	99	99	65	99
	B»RDUP ORIG MAX	0.75	LAA	12						
	C CALLISTO 4SC	0.094	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
7A	HARNES XTRA	2.10	LAA	9	97	0	99	99	83	99
	B»RDUP ORIG MAX	0.75	LAA	12						
	C»STATUS 56DG	0.088	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
8A	HARNES XTRA	2.10	LAA	9	95	0	99	98	73	97
	B»RDUP ORIG MAX	0.75	LAA	12						
	C»IMPACT 2.8SC	0.011	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
9A	HARNES XTRA	3.50	LAA	9	97	0	80	0	0	84
10A»	LEXAR 3.7L	3.24	LAA	9	98	0	25	96	30	97
	LSLSD (0.05)				3.19	0.318	3.24	2.91	4.71	2.86
	STANDARD DEVIATION				1.55	0.155	1.58	1.42	2.30	1.39

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**PLOT AREA:** 225.00 SFT

REPS: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE			AMATA	CHEAL	ZEAMD	SETFA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/07/07	CON % 06/07/07	CON % 06/19/07	CON % 06/19/07	CON % 06/19/07	CON % 06/19/07
1A	HARNESS XTRA	2.10	LAA	9	99	99	0	99	99	68
	B»RDUP ORIG MAX	0.75	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
2A	HARNESS XTRA	2.10	LAA	9	99	99	0	99	99	70
	B»RDUP ORIG MAX	0.75	LAA	12						
	C HARNESS (7EC)	1.31	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
3A	HARNESS XTRA	2.10	LAA	9	99	99	0	99	99	78
	B»RDUP ORIG MAX	0.75	LAA	12						
	C HARNESS (7EC)	2.60	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
4A	HARNESS XTRA	2.10	LAA	9	C	C	1	99	95	41
	B»RDUP ORIG MAX	0.75	LAA	13						
	C HARNESS (7EC)	1.31	LAA	13						
	D»LIQUID AMS	2.50	PMV	13						
5A	HARNESS XTRA	2.10	LAA	9	C	C	2	99	98	40
	B»RDUP ORIG MAX	0.75	LAA	13						
	C HARNESS (7EC)	2.60	LAA	13						
	D»LIQUID AMS	2.50	PMV	13						
6A	HARNESS XTRA	2.10	LAA	9	99	99	0	99	99	73
	B»RDUP ORIG MAX	0.75	LAA	12						
	C CALLISTO 4SC	0.094	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
7A	HARNESS XTRA	2.10	LAA	9	99	99	0	99	99	89
	B»RDUP ORIG MAX	0.75	LAA	12						
	C»STATUS 56DG	0.088	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
8A	HARNESS XTRA	2.10	LAA	9	99	99	0	99	99	73
	B»RDUP ORIG MAX	0.75	LAA	12						
	C»IMPACT 2.8SC	0.011	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
9A	HARNESS XTRA	3.50	LAA	9	84	85	0	83	0	0
10A»	LEXAR 3.7L	3.24	LAA	9	92	99	0	30	99	30
					LSD (0.05)					
					STANDARD DEVIATION					



TITLE: Acetochlor to Extend Residual Weed Control in Roundup-Ready Corn. AS-200

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
010	ABUTH	CON %	06/07/2007	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	PHBPU	CON %	06/07/2007	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	POLPY	CON %	06/07/2007	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMATA	CON %	06/07/2007	06	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	CHEAL	CON %	06/07/2007	07	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	ZEAMD	CON %	06/19/2007	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	06/19/2007	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	06/19/2007	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	06/19/2007	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	POLPY	CON %	06/19/2007	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	AMATA	CON %	06/19/2007	06	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	CHEAL	CON %	06/19/2007	07	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	YIELD	BU/A	09/27/2007	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = ASGROW 715 RR