

## 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: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	10	11	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	05/07/07	05/14/07	AME
AIR TEMPERATURE	75	86	F
% REL.HUMIDITY	40	25	
WIND DIRECTION	SOUTHEAST	SOUTH	
WIND SPEED	7.0	7.0	M/H
CLOUD COVER	CLEAR	CLEAR	
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	
SCREEN SIZE	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	---/11	---/13	
ASGROW 715 RR	4.00/4.00	8.00/8.00	IN
04/19/2007			
*** PEST ***			
VELVETLEAF	---/10	---/13	
	0.50/0.50	1.00/3.00	IN
LAMBSQUARTERS, C	---/13	---/17	
	0.50/0.50	1.00/1.00	IN
MORNINGGLORY, TA	---/10	---/12	
	0.50/0.50	1.00/2.00	IN
SMARTWEED, PENNS	---/12	---/16	
	0.50/0.50	1.00/3.00	IN
FOXTAIL, GIANT	---/11	---/13	
	0.50/1.00	3.00/5.00	IN

## \* TIMING CODES

10 = ----- / VEPOST  
 11 = ----- / EPOST

## \* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED  
 11 = FIRST LEAF UNFOLDED  
 11 = FIRST LEAF UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3 LEAVES UNFOLDED  
 13 = 3 LEAVES UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Adjuvants and Postemergence Weed Control in Conventional Corn. AS-200  
**CREATED:** 04/15/2007 **REVISED:** 11/05/2007 **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: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	POLPY	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 05/22/07	CON % 05/22/07	CON % 05/22/07	CON % 05/22/07	CON % 05/22/07	CON % 05/22/07
1A»	IMPACT 2.8SC	0.011	LAA	11	0	23	30	58	50	32
B	ATRAZINE DF	0.50	LAA	11						
2A»	IMPACT 2.8SC	0.011	LAA	11	0	85	94	96	97	90
B	ATRAZINE DF	0.50	LAA	11						
C»	DESTINY	1.00	PMV	11						
D»	N-PAK 28%N	2.50	PMV	11						
3A»	IMPACT 2.8SC	0.011	LAA	11	0	83	89	94	94	82
B	ATRAZINE DF	0.50	LAA	11						
C»	PRIME OIL	1.00	PMV	11						
D»	N-PAK 28%N	2.50	PMV	11						
4A»	IMPACT 2.8SC	0.011	LAA	11	0	74	77	85	85	73
B	ATRAZINE DF	0.50	LAA	11						
C»	SUPERB HC	0.50	PMV	11						
D»	N-PAK 28%N	2.50	PMV	11						
5A»	IMPACT 2.8SC	0.011	LAA	11	0	73	80	84	83	72
B	ATRAZINE DF	0.50	LAA	11						
C»	NEWTONE	1.00	PMV	11						
6A»	IMPACT 2.8SC	0.011	LAA	11	0	85	88	94	94	83
B	ATRAZINE DF	0.50	LAA	11						
C»	AG 05006	0.50	PMV	11						
D»	N-PAK 28%N	2.50	PMV	11						
7A»	IMPACT 2.8SC	0.011	LAA	11	0	90	97	99	99	92
B	ATRAZINE DF	0.50	LAA	11						
C»	AG 05006	1.00	PMV	11						
D»	N-PAK 28%N	2.50	PMV	11						
8A»	IMPACT 2.8SC	0.011	LAA	11	0	88	94	97	97	88
B	ATRAZINE DF	0.50	LAA	11						
C»	AG 05055	1.50	PMV	11						
9A»	IMPACT 2.8SC	0.011	LAA	11	0	86	95	96	97	87
B	ATRAZINE DF	0.50	LAA	11						
C»	AG 05055	2.50	PMV	11						
10A»	IMPACT 2.8SC	0.016	LAA	11	12	86	95	95	94	82
B	ATRAZINE DF	0.50	LAA	11						
C»	MISO	1.00	PMV	11						
D»	N-PAK 28%N	2.50	PMV	11						
11A»	CHA 7950 2L	0.023	LAA	11	0	79	91	96	96	87
B»	IMPACT 2.8SC	0.011	LAA	11						
C	ATRAZINE DF	0.50	LAA	11						
D»	COC	1.00	PMV	11						
E»	N-PAK 28%N	2.50	PMV	11						
12A	CLARITY	0.50	LAA	10	0	65	73	80	78	70
B»	CHA 7950 2L	0.012	LAA	11						
C»	COC	1.00	PMV	11						
D»	N-PAK 28%N	2.50	PMV	11						
13A	CLARITY	0.50	LAA	10	0	72	82	88	87	80
B»	CHA 7950 2L	0.0234	LAA	11						
C»	COC	1.00	PMV	11						
D»	N-PAK 28%N	2.50	PMV	11						
14A	CLARITY	0.50	LAA	10	0	78	84	94	94	91
B»	CHA 7950 2L	0.047	LAA	11						
C»	COC	1.00	PMV	11						
D»	N-PAK 28%N	2.50	PMV	11						
15A	CHECK	0.00	NA	0	0	0	0	0	0	0

## TITLE: Adjuvants and Postemergence Weed Control in Conventional Corn. AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		ZEAMD	SETFA	CHEAL	POLPY	ABUTH	PHBPU
		RATE	UNIT TM	CON % 05/22/07	CON % 05/22/07	CON % 05/22/07	CON % 05/22/07	CON % 05/22/07	CON % 05/22/07
16A	CLARITY	0.50	LAA 10	0	57	62	73	73	67
	B ACCENT 75WG	0.012	LAA 11						
	C»COC	1.00	PMV 11						
	D»N-PAK 28%N	2.50	PMV 11						
17A	CLARITY	0.50	LAA 10	0	70	75	89	87	83
	B ACCENT 75WG	0.0234	LAA 11						
	C»COC	1.00	PMV 11						
	D»N-PAK 28%N	2.50	PMV 11						
18A	CLARITY	0.50	LAA 10	0	73	90	93	95	89
	B ACCENT 75WG	0.047	LAA 11						
	C»COC	1.00	PMV 11						
	D»N-PAK 28%N	2.50	PMV 11						
		LSD (0.05)		1.12	7.34	8.53	6.25	7.54	9.42
		STANDARD DEVIATION		0.556	3.63	4.22	3.09	3.73	4.66

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**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 30.00 FT LONG  
**PLOT AREA:** 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	POLPY	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/13/07	CON % 06/13/07	CON % 06/13/07	CON % 06/13/07	CON % 06/13/07	CON % 06/13/07
1A»	IMPACT 2.8SC	0.011	LAA	11	0	27	37	27	37	20
B	ATRAZINE DF	0.50	LAA	11						
2A»	IMPACT 2.8SC	0.011	LAA	11	0	77	88	75	95	77
B	ATRAZINE DF	0.50	LAA	11						
C»	DESTINY	1.00	PMV	11						
D»	N-PAK 28%N	2.50	PMV	11						
3A»	IMPACT 2.8SC	0.011	LAA	11	0	72	82	63	93	65
B	ATRAZINE DF	0.50	LAA	11						
C»	PRIME OIL	1.00	PMV	11						
D»	N-PAK 28%N	2.50	PMV	11						
4A»	IMPACT 2.8SC	0.011	LAA	11	0	60	72	52	78	60
B	ATRAZINE DF	0.50	LAA	11						
C»	SUPERB HC	0.50	PMV	11						
D»	N-PAK 28%N	2.50	PMV	11						
5A»	IMPACT 2.8SC	0.011	LAA	11	0	62	70	47	60	53
B	ATRAZINE DF	0.50	LAA	11						
C»	NEWTONE	1.00	PMV	11						
6A»	IMPACT 2.8SC	0.011	LAA	11	0	76	84	68	94	75
B	ATRAZINE DF	0.50	LAA	11						
C»	AG 05006	0.50	PMV	11						
D»	N-PAK 28%N	2.50	PMV	11						
7A»	IMPACT 2.8SC	0.011	LAA	11	0	83	89	82	97	82
B	ATRAZINE DF	0.50	LAA	11						
C»	AG 05006	1.00	PMV	11						
D»	N-PAK 28%N	2.50	PMV	11						
8A»	IMPACT 2.8SC	0.011	LAA	11	0	84	89	78	96	80
B	ATRAZINE DF	0.50	LAA	11						
C»	AG 05055	1.50	PMV	11						
9A»	IMPACT 2.8SC	0.011	LAA	11	0	84	93	79	93	78
B	ATRAZINE DF	0.50	LAA	11						
C»	AG 05055	2.50	PMV	11						
10A»	IMPACT 2.8SC	0.016	LAA	11	0	83	88	75	96	80
B	ATRAZINE DF	0.50	LAA	11						
C»	MSO	1.00	PMV	11						
D»	N-PAK 28%N	2.50	PMV	11						
11A»	CHA 7950 2L	0.023	LAA	11	0	68	75	72	84	68
B»	IMPACT 2.8SC	0.011	LAA	11						
C	ATRAZINE DF	0.50	LAA	11						
D»	COC	1.00	PMV	11						
E»	N-PAK 28%N	2.50	PMV	11						
12A	CLARITY	0.50	LAA	10	0	80	84	93	90	88
B»	CHA 7950 2L	0.012	LAA	11						
C»	COC	1.00	PMV	11						
D»	N-PAK 28%N	2.50	PMV	11						
13A	CLARITY	0.50	LAA	10	0	89	95	96	87	92
B»	CHA 7950 2L	0.0234	LAA	11						
C»	COC	1.00	PMV	11						
D»	N-PAK 28%N	2.50	PMV	11						
14A	CLARITY	0.50	LAA	10	0	92	97	98	94	94
B»	CHA 7950 2L	0.047	LAA	11						
C»	COC	1.00	PMV	11						
D»	N-PAK 28%N	2.50	PMV	11						
15A	CHECK	0.00	NA	0	0	0	0	0	0	0

TITLE: Adjuvants and Postemergence Weed Control in Conventional Corn. AS-200

TRT TREATMENT NUM COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	POLPY	ABUTH	PHBPU
	RATE	UNIT		CON % 06/13/07	CON % 06/13/07	CON % 06/13/07	CON % 06/13/07	CON % 06/13/07	CON % 06/13/07
16A CLARITY	0.50	LAA	10	0	75	84	90	83	85
B ACCENT 75WG	0.012	LAA	11						
C»COC	1.00	PMV	11						
D»N-PAK 28»N	2.50	PMV	11						
17A CLARITY	0.50	LAA	10	0	79	88	93	91	91
B ACCENT 75WG	0.0234	LAA	11						
C»COC	1.00	PMV	11						
D»N-PAK 28»N	2.50	PMV	11						
18A CLARITY	0.50	LAA	10	0	94	97	98	96	96
B ACCENT 75WG	0.047	LAA	11						
C»COC	1.00	PMV	11						
D»N-PAK 28»N	2.50	PMV	11						
LSD (0.05)				0.00	7.92	8.26	7.37	6.89	7.16
STANDARD DEVIATION				0.00	3.92	4.09	3.65	3.41	3.55

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 10 = ----- / VEPOST 05/07/2007(1)  
 11 = ----- / EPOST 05/14/2007(2)

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 %	05/22/2007	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/22/2007	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/22/2007	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	POLPY	CON %	05/22/2007	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	05/22/2007	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	05/22/2007	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	06/13/2007	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/13/2007	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	06/13/2007	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	POLPY	CON %	06/13/2007	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/13/2007	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/13/2007	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = ASGROW 715 RR