

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.6  
 %OM: 4.7  
 PREV. CROP: GLXMA - SOYBEAN  
 %RESIDUE: 0  
 PLOT WIDTH: 10 X 30 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	07	09	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	04/22/03	04/23/03	AME
AIR TEMPERATURE	56	63	F
% REL. HUMIDITY	30	30	
WIND DIRECTION	NORTHEAST	NORTH	
WIND SPEED	7.0	3.0	M/H
CLOUD COVER	CLEAR	CLEAR	
DEW	---	---	
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	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	---	---	
DN/SG/MMZ			
*** CROP ***			
CORN, DENT		---/01	
PIONEER 33Y09		/	IN
04/23/2003			

## \* TIMING CODES

07 = ----- / PREPLANT INCORPORATED  
 09 = ----- / PREEMERGENCE

## \* STAGE CODE

01 = BEGINNING OF IMBIBITION

**TITLE:** Preemergence herbicide programs in corn AS-200  
**CREATED:** 04/08/2003 **REVISED:** 11/05/2003 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	POLPY	ABUTH	PHBPU
		RATE	UNIT		CON % 05/24/03	CON % 05/24/03	CON % 05/24/03	CON % 05/24/03	CON % 05/24/03	CON % 05/24/03
1A	BICEP II MAGNU	3.58	LAA	7	0	94	96	94	79	79
2A	STALWART EXTRA	3.58	LAA	7	0	95	97	92	73	75
3A	BICEP II MAGNU	3.58	LAA	9	0	99	99	97	87	85
4A	STALWART EXTRA	3.58	LAA	9	0	98	99	97	76	83
5A	LUMAX 3.9L	2.46	LAA	9	0	91	98	95	99	91
6A	LUMAX 3.9L	2.95	LAA	9	0	99	99	99	99	96
7A	LUMAX 3.9L	2.46	LAA	9	0	97	99	99	99	98
	B ATRAZINE DF	1.00	LAA	9						
8A	LUMAX 3.9L	2.95	LAA	9	0	97	98	99	99	97
	B ATRAZINE DF	1.00	LAA	9						
9A	LUMAX 3.9L	2.46	LAA	9	0	98	99	99	99	98
	B PRINCEP 4L	1.00	LAA	9						
10A	LUMAX 3.9L	2.95	LAA	9	0	98	99	99	99	98
	B PRINCEP 4L	1.00	LAA	9						
11A	HARNESS EXTRA	4.20	LAA	9	0	99	99	99	84	89
12A	EPIC 4L	0.43	LAA	9	0	95	99	97	99	80
13A	EPIC 4L	0.51	LAA	9	0	96	96	96	99	84
14A	EPIC 4L	0.54	LAA	9	0	94	97	94	99	86
15A	KEYSTONE 5.25L	4.20	LAA	9	0	99	99	99	88	89
16A	KEYSTONE 5.25L	4.20	LAA	9	0	99	99	99	92	90
	B>HORNET 68.5WG	0.128	LAA	9						
17A	KEYSTONE 5.25L	2.10	LAA	9	0	99	99	99	99	95
	B>BALANCE PRO 4S	0.094	LAA	9						
18A	GUARDS MAX 5L	2.88	LAA	9	0	97	99	99	89	86
19A	BICEP II MAGNU	2.89	LAA	9	0	94	99	97	77	80
20A	FULTIME 4SC	3.50	LAA	9	0	98	99	99	90	92
	B>HORNET 68.5WG	0.128	LAA	9						
21A	GUARDS MAX 5L	2.50	LAA	9	0	99	99	99	99	92
	B>BALANCE PRO 4S	0.047	LAA	9						
22A	BALANCE PRO 4S	0.07	LAA	9	0	88	98	94	99	92
	B ATRAZINE DF	1.50	LAA	9						
23A	CHECK	0.00	NA	0	0	0	0	0	0	0
24A	BALANCE PRO 4S	0.094	LAA	9	0	96	99	99	99	95
	B ATRAZINE DF	1.50	LAA	9						
25A	CAMIX 3.66L	2.75	LAA	9	0	94	96	97	99	89
26A	BALANCE PRO 4S	0.039	LAA	9	0	94	98	95	98	92
	B>DEFINE 4SC	0.375	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						
27A	BALANCE PRO 4S	0.07	LAA	9	0	97	99	96	99	92
	B>DEFINE 4SC	0.375	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						

## TITLE: Preemergence herbicide programs in corn AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	POLPY	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 05/24/03	CON % 05/24/03	CON % 05/24/03	CON % 05/24/03	CON % 05/24/03	CON % 05/24/03
28A»	KIH-485 3.57L	0.15	LAA	9	0	98	99	98	99	96
	B»BALANCE PRO 4S	0.094	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						
		LSD (0.05)			0.00	5.22	2.87	5.00	7.16	6.79
		STANDARD DEVIATION			0.00	2.61	1.43	2.48	3.58	3.39

**TITLE:** Preemergence herbicide programs in corn AS-200  
**CREATED:** 04/08/2003 **REVISED:** 11/05/2003 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	POLPY	ABUTH	PHBPU
		RATE	UNIT		CON % 06/26/03	CON % 06/26/03	CON % 06/26/03	CON % 06/26/03	CON % 06/26/03	CON % 06/26/03
1A	BICEP II MAGNU	3.58	LAA	7	0	95	91	86	50	60
2A	STALWART EXTRA	3.58	LAA	7	0	94	94	89	57	65
3A	BICEP II MAGNU	3.58	LAA	9	0	96	99	99	62	67
4A	STALWART EXTRA	3.58	LAA	9	0	94	98	94	62	62
5A	LUMAX 3.9L	2.46	LAA	9	0	89	99	93	99	78
6A	LUMAX 3.9L	2.95	LAA	9	0	97	99	99	99	85
7A	LUMAX 3.9L	2.46	LAA	9	0	93	99	99	99	84
	B ATRAZINE DF	1.00	LAA	9						
8A	LUMAX 3.9L	2.95	LAA	9	0	95	99	99	98	89
	B ATRAZINE DF	1.00	LAA	9						
9A	LUMAX 3.9L	2.46	LAA	9	0	98	99	99	99	93
	B PRINCEP 4L	1.00	LAA	9						
10A	LUMAX 3.9L	2.95	LAA	9	0	97	99	99	99	89
	B PRINCEP 4L	1.00	LAA	9						
11A	HARNESS EXTRA	4.20	LAA	9	0	98	99	95	77	82
12A	EPIC 4L	0.43	LAA	9	0	94	97	81	98	76
13A	EPIC 4L	0.51	LAA	9	0	93	93	84	98	80
14A	EPIC 4L	0.54	LAA	9	0	92	94	84	98	83
15A	KEYSTONE 5.25L	4.20	LAA	9	0	99	99	99	67	75
16A	KEYSTONE 5.25L	4.20	LAA	9	0	99	99	99	73	82
	B>HORNET 68.5WG	0.128	LAA	9						
17A	KEYSTONE 5.25L	2.10	LAA	9	0	99	99	99	99	85
	B>BALANCE PRO 4S	0.094	LAA	9						
18A	GUARDS MAX 5L	2.88	LAA	9	0	98	99	97	70	80
19A	BICEP II MAGNU	2.89	LAA	9	0	94	95	92	65	73
20A	FULTIME 4SC	3.50	LAA	9	0	96	99	99	70	73
	B>HORNET 68.5WG	0.128	LAA	9						
21A	GUARDS MAX 5L	2.50	LAA	9	0	96	97	96	99	81
	B>BALANCE PRO 4S	0.047	LAA	9						
22A	BALANCE PRO 4S	0.07	LAA	9	0	83	97	92	93	75
	B ATRAZINE DF	1.50	LAA	9						
23A	CHECK	0.00	NA	0	0	0	0	0	0	0
24A	BALANCE PRO 4S	0.094	LAA	9	0	94	99	96	95	83
	B ATRAZINE DF	1.50	LAA	9						
25A	CAMIX 3.66L	2.75	LAA	9	0	95	97	95	98	83
26A	BALANCE PRO 4S	0.039	LAA	9	0	95	99	92	94	88
	B>DEFINE 4SC	0.375	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						
27A	BALANCE PRO 4S	0.07	LAA	9	0	98	99	96	98	88
	B>DEFINE 4SC	0.375	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						

**TITLE:** Preemergence herbicide programs in corn AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	POLPY	ABUTH	PHBPU
		RATE	UNIT		CON % 06/26/03	CON % 06/26/03	CON % 06/26/03	CON % 06/26/03	CON % 06/26/03	CON % 06/26/03
28A»	KIH-485 3.57L	0.15	LAA	9	0	98	99	97	99	89
	B»BALANCE PRO 4S	0.094	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						
		LSD (0.05)			0.00	4.62	5.62	7.77	6.69	8.08
		STANDARD DEVIATION			0.00	2.31	2.81	3.88	3.34	4.00

**TITLE:** Preemergence herbicide programs in corn AS-200  
**CREATED:** 04/08/2003 **REVISED:** 11/05/2003 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		YIELD BU/A 10/06/03
		RATE	UNIT	
1A	BICEP II MAGNU	3.58	LAA 7	155.0
2A	STALWART EXTRA	3.58	LAA 7	158.6
3A	BICEP II MAGNU	3.58	LAA 9	171.2
4A	STALWART EXTRA	3.58	LAA 9	176.3
5A	LUMAX 3.9L	2.46	LAA 9	160.0
6A	LUMAX 3.9L	2.95	LAA 9	180.1
7A	LUMAX 3.9L	2.46	LAA 9	185.7
	B ATRAZINE DF	1.00	LAA 9	
8A	LUMAX 3.9L	2.95	LAA 9	183.5
	B ATRAZINE DF	1.00	LAA 9	
9A	LUMAX 3.9L	2.46	LAA 9	186.4
	B PRINCEP 4L	1.00	LAA 9	
10A	LUMAX 3.9L	2.95	LAA 9	183.9
	B PRINCEP 4L	1.00	LAA 9	
11A	HARNESS EXTRA	4.20	LAA 9	181.2
12A	EPIC 4L	0.43	LAA 9	131.2
13A	EPIC 4L	0.51	LAA 9	159.8
14A	EPIC 4L	0.54	LAA 9	153.1
15A	KEYSTONE 5.25L	4.20	LAA 9	165.9
16A	KEYSTONE 5.25L	4.20	LAA 9	155.4
	B HORNET 68.5WG	0.128	LAA 9	
17A	KEYSTONE 5.25L	2.10	LAA 9	173.8
	B BALANCE PRO 4S	0.094	LAA 9	
18A	GUARDS MAX 5L	2.88	LAA 9	157.5
19A	BICEP II MAGNU	2.89	LAA 9	160.1
20A	FULTIME 4SC	3.50	LAA 9	143.8
	B HORNET 68.5WG	0.128	LAA 9	
21A	GUARDS MAX 5L	2.50	LAA 9	167.1
	B BALANCE PRO 4S	0.047	LAA 9	
22A	BALANCE PRO 4S	0.07	LAA 9	164.8
	B ATRAZINE DF	1.50	LAA 9	
23A	CHECK	0.00	NA 0	59.6
24A	BALANCE PRO 4S	0.094	LAA 9	175.3
	B ATRAZINE DF	1.50	LAA 9	
25A	CAMIX 3.66L	2.75	LAA 9	176.2
26A	BALANCE PRO 4S	0.039	LAA 9	165.5
	B DEFINE 4SC	0.375	LAA 9	
	C ATRAZINE DF	1.00	LAA 9	
27A	BALANCE PRO 4S	0.07	LAA 9	189.2
	B DEFINE 4SC	0.375	LAA 9	
	C ATRAZINE DF	1.00	LAA 9	

TITLE: Preemergence herbicide programs in corn AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		YIELD	
		RATE	UNIT	TM	BU/A 10/06/03
28A	KIH-485 3.57L	0.15	LAA	9	176.8
B	BALANCE PRO 4S	0.094	LAA	9	
C	ATRAZINE DF	1.00	LAA	9	
LSD (0.05)				27.77	
STANDARD DEVIATION				13.88	

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
07 = ----- / PREPLANT INCORPORATED 04/22/2003 (1)  
09 = ----- / PREEMERGENCE 04/23/2003 (2)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
001	ZEAMD	CON %	05/24/2003	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/24/2003	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/24/2003	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	POLPY	CON %	05/24/2003	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	05/24/2003	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	05/24/2003	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	06/26/2003	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/26/2003	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	06/26/2003	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	POLPY	CON %	06/26/2003	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/26/2003	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/26/2003	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	YIELD	BU/A	10/06/2003	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 33Y09