

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	03	04	05	UNIT
TIMINGS	04	05	07	09	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04/04/02	04/15/02	05/03/02	05/03/02	06/06/02	AME
AIR TEMPERATURE	42	74	62	62	62	F
% REL. HUMIDITY	40	80	30	30	60	
WIND DIRECTION	NORTH	SOUTHWEST	SOUTHEAST	SOUTHEAST	NORTHWEST	
WIND SPEED	6.0	10.0	4.0	3.0	6.0	M/H
CLOUD COVER	CLOUDY	CLEAR	CLEAR	CLEAR	CLOUDY	
DEW	DRY	---	---	---	DRY	
SOIL MOISTURE	MOIST/MOI	MOIST/MOI	DRY/MOIST	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	---	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	
INC. DATE						AME
INC. START						24H
INC. END						24H
INC. DEPTH						IN
INC. EQUIPMENT	---	---	---	---	---	
DENSITY /						
*** CROP ***						
CORN, DENT					---/16	
GARST 8409LL					12.0/12.0	IN
05/03/2002						
*** PEST ***						
VELVETLEAF	---/00	---/00	---/00	---/00	---/13	
	/	/	/	/	1.00/3.00	IN
LAMBSQUARTERS, C	---/10	---/12	---/18	---/18	---/19	
	0.25/0.25	0.50/0.50	1.00/2.00	1.00/2.00	2.00/4.00	IN
MORNINGGLORY, IV	---/00	---/00	---/10	---/10	---/16	
	/	/	0.50/0.50	0.50/0.50	1.00/3.00	IN
FOXTAIL, GIANT	---/00	---/00	---/11	---/11	---/13	
	/	/	1.00/2.00	1.00/2.00	2.00/4.00	IN
CHICKWEED, COMMO	---/12	---/18	---/19	---/19	---/19	
	1.00/1.00	2.00/4.00	3.00/5.00	3.00/5.00	4.00/6.00	IN
DANDELION, COMMO	---/15	---/18	---/19	---/19	---/19	
	1.00/3.00	2.00/4.00	3.00/5.00	3.00/5.00	4.00/6.00	IN

\* TIMING CODES

04 = ----- / EPP 30DBP  
 05 = ----- / EPP 15DBP  
 07 = ----- / PREPLANT INCORPORATED  
 09 = ----- / PREEMERGENCE  
 12 = ----- / POST

\* STAGE CODE

00 = DRY SEED (CARYOPSIS)  
 10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED  
 11 = FIRST LEAF UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 13 = 3 LEAVES UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6 LEAVES UNFOLDED

\* STAGE CODE

18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

## DATA MEAN

**TITLE:** EPP comparisons of Balance in diff. tillage systems AS-100  
**CREATED:** 04/03/2002 **REVISED:** 08/09/2002 **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	STEME	TAROF	CHEAL	SETFA	ZEAMD	STEME
		RATE	UNIT		CON % 05/03/02	CON % 05/03/02	CON % 05/03/02	CON % 05/03/02	CON % 06/06/02	CON % 06/06/02
1A»	BALANCE PRO 4S	0.07	LAA	7					0	99
B»	DEFINE 60DF	0.375	LAA	7						
2A»	BALANCE PRO 4S	0.07	LAA	7					0	99
B	ATRAZINE DF	1.00	LAA	7						
3A»	BICEP II MAGNU	2.89	LAA	7					0	99
B»	CALLISTO 4SC	0.188	LAA	7						
4A»	BALANCE PRO 4S	0.07	LAA	7					0	99
B»	DEFINE 60DF	0.375	LAA	7						
C	ATRAZINE DF	1.00	LAA	7						
5A»	BALANCE PRO 4S	0.07	LAA	4	99	70	99	99	0	99
B»	OPTION 35WDG	0.033	LAA	12						
C»	MISO	1.00	PMV	12						
D	28% UAN	2.00	PMV	12						
6A»	BALANCE PRO 4S	0.07	LAA	4	99	70	99	99	0	99
B»	LIBERTY	0.31	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D»	LIQUID AMS	4.40	PMV	12						
7A»	DUAL II MAGNUM	1.59	LAA	4	99	40	99	99	0	77
B»	CALLISTO 4SC	0.094	LAA	12						
C	ATRAZINE DF	0.25	LAA	12						
D»	COC	1.00	PMV	12						
E	28% UAN	2.50	PMV	12						
8A»	BALANCE PRO 4S	0.07	LAA	5	99	99	99	99	0	99
B»	DEFINE 60DF	0.375	LAA	5						
C»	RNDUP ULTRA MA	0.56	LAA	5						
D»	LIQUID AMS	2.50	PMV	5						
9A»	BALANCE PRO 4S	0.07	LAA	5	99	99	99	99	0	99
B	ATRAZINE DF	1.00	LAA	5						
C»	RNDUP ULTRA MA	0.56	LAA	5						
D»	LIQUID AMS	2.50	PMV	5						
10A»	BALANCE PRO 4S	0.07	LAA	9					0	99
B»	DEFINE 60DF	0.375	LAA	9						
11A»	BALANCE PRO 4S	0.07	LAA	9					0	99
B	ATRAZINE DF	1.00	LAA	9						
12A»	BICEP II MAGNU	2.89	LAA	9					0	99
B»	CALLISTO 4SC	0.188	LAA	9						
13A	CHECK	0.00	NA	9	0	0	0	0	0	0
14A»	BICEP II MAGNU	2.89	LAA	5	99	99	99	99	0	99
B»	CALLISTO 4SC	0.188	LAA	5						
C»	RNDUP ULTRA MA	0.56	LAA	5						
D»	LIQUID AMS	2.50	PMV	5						
15A»	BALANCE PRO 4S	0.07	LAA	5	99	99	99	99	0	99
B»	DEFINE 60DF	0.375	LAA	5						
C»	COC	1.25	PMV	5						
16A»	BALANCE PRO 4S	0.07	LAA	5	99	99	99	99	0	99
B	ATRAZINE DF	1.00	LAA	5						
C»	COC	1.25	PMV	5						
17A»	BICEP II MAGNU	2.89	LAA	5	99	99	99	99	0	99
B»	CALLISTO 4SC	0.188	LAA	5						
C»	COC	1.25	PMV	5						
18A	CHECK	0.00	NA	0	0	0	0	0	0	0

## DATA MEAN

<b>TITLE:</b> EPP comparisons of Balance in diff. tillage systems AS-100							
LSD (0.05)	0.00	6.64	0.00	0.00	0.00	2.31	
STANDARD DEVIATION	0.00	3.28	0.00	0.00	0.00	1.14	

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## DATA MEAN

**TITLE:** EPP comparisons of Balance in diff. tillage systems AS-100  
**CREATED:** 04/03/2002 **REVISED:** 08/09/2002 **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	TAROF	CHEAL	SETFA	IPOHE	ABUTH	ZEAMD
		RATE	UNIT		CON % 06/06/02	CON % 06/06/02	CON % 06/06/02	CON % 06/06/02	CON % 06/06/02	CON % 06/29/02
1A»	BALANCE PRO 4S	0.07	LAA	7	99	99	96	92	98	0
B»	DEFINE 60DF	0.375	LAA	7						
2A»	BALANCE PRO 4S	0.07	LAA	7	99	99	91	97	99	0
B	ATRAZINE DF	1.00	LAA	7						
3A»	BICEP II MAGNU	2.89	LAA	7	99	99	98	98	99	0
B»	CALLISTO 4SC	0.188	LAA	7						
4A»	BALANCE PRO 4S	0.07	LAA	7	99	99	95	95	99	0
B»	DEFINE 60DF	0.375	LAA	7						
C	ATRAZINE DF	1.00	LAA	7						
5A»	BALANCE PRO 4S	0.07	LAA	4	43	82	48	47	96	0
B»	OPTION 35WDG	0.033	LAA	12						
C»	MISO	1.00	PMV	12						
D	28% UAN	2.00	PMV	12						
6A»	BALANCE PRO 4S	0.07	LAA	4	60	78	40	53	94	0
B»	LIBERTY	0.31	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D»	LIQUID AMS	4.40	PMV	12						
7A»	DUAL II MAGNUM	1.59	LAA	4	23	60	98	20	27	0
B»	CALLISTO 4SC	0.094	LAA	12						
C	ATRAZINE DF	0.25	LAA	12						
D»	COC	1.00	PMV	12						
E	28% UAN	2.50	PMV	12						
8A»	BALANCE PRO 4S	0.07	LAA	5	99	73	81	50	86	0
B»	DEFINE 60DF	0.375	LAA	5						
C»	RNDUP ULTRA MA	0.56	LAA	5						
D»	LIQUID AMS	2.50	PMV	5						
9A»	BALANCE PRO 4S	0.07	LAA	5	99	63	47	57	82	0
B	ATRAZINE DF	1.00	LAA	5						
C»	RNDUP ULTRA MA	0.56	LAA	5						
D»	LIQUID AMS	2.50	PMV	5						
10A»	BALANCE PRO 4S	0.07	LAA	9	99	99	98	96	97	0
B»	DEFINE 60DF	0.375	LAA	9						
11A»	BALANCE PRO 4S	0.07	LAA	9	99	99	96	97	99	0
B	ATRAZINE DF	1.00	LAA	9						
12A»	BICEP II MAGNU	2.89	LAA	9	99	99	98	98	99	0
B»	CALLISTO 4SC	0.188	LAA	9						
13A	CHECK	0.00	NA	9	0	0	0	0	0	0
14A»	BICEP II MAGNU	2.89	LAA	5	99	97	93	90	99	0
B»	CALLISTO 4SC	0.188	LAA	5						
C»	RNDUP ULTRA MA	0.56	LAA	5						
D»	LIQUID AMS	2.50	PMV	5						
15A»	BALANCE PRO 4S	0.07	LAA	5	65	84	92	76	97	0
B»	DEFINE 60DF	0.375	LAA	5						
C»	COC	1.25	PMV	5						
16A»	BALANCE PRO 4S	0.07	LAA	5	70	87	68	68	96	0
B	ATRAZINE DF	1.00	LAA	5						
C»	COC	1.25	PMV	5						
17A»	BICEP II MAGNU	2.89	LAA	5	70	89	96	60	88	0
B»	CALLISTO 4SC	0.188	LAA	5						
C»	COC	1.25	PMV	5						
18A	CHECK	0.00	NA	0	0	0	0	0	0	0

DATA MEAN

<b>TITLE:</b> EPP comparisons of Balance in diff. tillage systems	AS-100						
LSD (0.05)	9.17	9.48	9.73	12.49	6.06	0.00	
STANDARD DEVIATION	4.54	4.69	4.81	6.18	3.00	0.00	

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## DATA MEAN

**TITLE:** EPP comparisons of Balance in diff. tillage systems AS-100  
**CREATED:** 04/03/2002 **REVISED:** 08/09/2002 **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		STEME CON % 06/29/02	TAROF CON % 06/29/02	CHEAL CON % 06/29/02	SETFA CON % 06/29/02	IPOHE CON % 06/29/02	ABUTH CON % 06/29/02
		RATE	UNIT						
1A	BALANCE PRO 4S	0.07	LAA 7	99	99	99	80	77	95
B	DEFINE 60DF	0.375	LAA 7						
2A	BALANCE PRO 4S	0.07	LAA 7	99	99	99	81	87	95
B	ATRAZINE DF	1.00	LAA 7						
3A	BICEP II MAGNU	2.89	LAA 7	99	99	99	93	96	96
B	CALLISTO 4SC	0.188	LAA 7						
4A	BALANCE PRO 4S	0.07	LAA 7	99	99	98	86	84	95
B	DEFINE 60DF	0.375	LAA 7						
C	ATRAZINE DF	1.00	LAA 7						
5A	BALANCE PRO 4S	0.07	LAA 4	99	99	99	88	87	95
B	OPTION 35WDG	0.033	LAA 12						
C	MISO	1.00	PMV 12						
D	28% UAN	2.00	PMV 12						
6A	BALANCE PRO 4S	0.07	LAA 4	99	99	99	96	97	99
B	LIBERTY	0.31	LAA 12						
C	ATRAZINE DF	0.50	LAA 12						
D	LIQUID AMS	4.40	PMV 12						
7A	DUAL II MAGNUM	1.59	LAA 4	99	99	99	93	96	97
B	CALLISTO 4SC	0.094	LAA 12						
C	ATRAZINE DF	0.25	LAA 12						
D	COC	1.00	PMV 12						
E	28% UAN	2.50	PMV 12						
8A	BALANCE PRO 4S	0.07	LAA 5	99	99	53	63	37	72
B	DEFINE 60DF	0.375	LAA 5						
C	RNDUP ULTRA MA	0.56	LAA 5						
D	LIQUID AMS	2.50	PMV 5						
9A	BALANCE PRO 4S	0.07	LAA 5	99	99	68	58	57	75
B	ATRAZINE DF	1.00	LAA 5						
C	RNDUP ULTRA MA	0.56	LAA 5						
D	LIQUID AMS	2.50	PMV 5						
10A	BALANCE PRO 4S	0.07	LAA 9	99	99	99	97	96	99
B	DEFINE 60DF	0.375	LAA 9						
11A	BALANCE PRO 4S	0.07	LAA 9	99	99	99	88	91	97
B	ATRAZINE DF	1.00	LAA 9						
12A	BICEP II MAGNU	2.89	LAA 9	99	99	99	98	97	98
B	CALLISTO 4SC	0.188	LAA 9						
13A	CHECK	0.00	NA 9	0	0	0	0	0	0
14A	BICEP II MAGNU	2.89	LAA 5	99	99	78	87	68	83
B	CALLISTO 4SC	0.188	LAA 5						
C	RNDUP ULTRA MA	0.56	LAA 5						
D	LIQUID AMS	2.50	PMV 5						
15A	BALANCE PRO 4S	0.07	LAA 5	99	99	67	75	43	63
B	DEFINE 60DF	0.375	LAA 5						
C	COC	1.25	PMV 5						
16A	BALANCE PRO 4S	0.07	LAA 5	99	99	50	47	60	60
B	ATRAZINE DF	1.00	LAA 5						
C	COC	1.25	PMV 5						
17A	BICEP II MAGNU	2.89	LAA 5	99	96	82	88	40	67
B	CALLISTO 4SC	0.188	LAA 5						
C	COC	1.25	PMV 5						
18A	CHECK	0.00	NA 0	0	0	0	0	0	0

## DATA MEAN

TITLE: EPP comparisons of Balance in diff. tillage systems AS-100

LSD (0.05)	0.00	2.08	12.00	12.00	10.00	7.37
STANDARD DEVIATION	0.00	1.00	5.94	6.00	5.00	3.65

» = SUPPLEMENTAL CHEMICAL

## \* TIMING CODES

00 = ----- / UNTREATED TIMING  
 04 = ----- / EPP 30DBP 04/04/2002 (1)  
 05 = ----- / EPP 15DBP 04/15/2002 (2)  
 07 = ----- / PREPLANT INCORPORATED 05/03/2002 (3)  
 09 = ----- / PREEMERGENCE 05/03/2002 (4)  
 12 = ----- / POST 06/06/2002 (5)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
01	STEME	CON %	05/03/2002	02	P	STEME	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	TAROF	CON %	05/03/2002	03	P	TAROF	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	CHEAL	CON %	05/03/2002	04	P	CHEAL	18	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	SETFA	CON %	05/03/2002	05	P	SETFA	11	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
05	ZEAMD	CON %	06/06/2002	01	P	ZEAMD	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	STEME	CON %	06/06/2002	02	P	STEME	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	TAROF	CON %	06/06/2002	03	P	TAROF	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	CHEAL	CON %	06/06/2002	04	P	CHEAL	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	SETFA	CON %	06/06/2002	05	P	SETFA	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	IPOHE	CON %	06/06/2002	06	P	IPOHE	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
11	ABUTH	CON %	06/06/2002	07	P	ABUTH	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
12	ZEAMD	CON %	06/29/2002	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
13	STEME	CON %	06/29/2002	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
14	TAROF	CON %	06/29/2002	03	P	TAROF		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
15	CHEAL	CON %	06/29/2002	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
16	SETFA	CON %	06/29/2002	05	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
17	IPOHE	CON %	06/29/2002	06	P	IPOHE		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
18	ABUTH	CON %	06/29/2002	07	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = GARST 8409LL

## \* STAGE CODE

11 = FIRST LEAF UNFOLDED  
 13 = 3 LEAVES UNFOLDED  
 16 = 6 LEAVES UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED