

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.2  
 %OM: 4.7  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: 0  
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	16	06	11	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04/19/01	05/02/01	05/25/01	AME
AIR TEMPERATURE	63	73	57	F
% REL.HUMIDITY	35	65	60	
WIND DIRECTION	SOUTH	SOUTHWEST	SOUTHWEST	
WIND SPEED	15.0	10.0	5.0	M/H
CLOUD COVER	PARTCLDY	PARTCLDY	CLOUDY	
DEW	DRY	DRY	MOIST	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	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 PIONEER 34R07 05/08/2001			---/12 4.00/4.00	IN
*** PEST *** LAMBSQUARTERS, C	---/12 0.50/0.50	---/15 1.00/2.00	---/19 2.00/3.00	IN
FOXTAIL, GIANT	---/00 0.00/0.00	---/11 1.00/2.00	---/12 1.00/3.00	IN
CHICKWEED, COMMO	---/19 2.00/2.00	---/19 2.00/4.00	---/19 4.00/4.00	IN
DANDELION, COMMO	---/19 2.00/2.00	---/19 2.00/4.00	---/19 4.00/6.00	IN

\* TIMING CODES

06 = ----- / EPP 7DBP  
 11 = ----- / EPOST  
 16 = ----- / EPP 21DBP

\* STAGE CODE

00 = DRY SEED (CARYOPHYSIS)  
 11 = FIRST LEAF UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

## DATA MEAN

TITLE: Early Preplant Treatments in Notill Corn C-600W

CREATED: 04/08/2001 REVISED: 08/07/2001

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		STEME CON % 05/08/01	TAROF CON % 05/08/01	CHEAL CON % 05/08/01	SETFA CON % 05/08/01	ZEAMD CON % 05/22/01	STEME CON % 05/22/01
		RATE	UNIT TM						
1A	AXIOM	0.72	LAA 6	85	73	93	97	0	99
	B»RNDUP ULTRA MA	0.56	LAA 6						
	C»LIQUID AMS	2.50	PMV 6						
	D MARKSMAN SC	1.20	LAA 11						
	E»ACTIVATOR 90	0.25	PMV 11						
2A	AXIOM	0.81	LAA 16	99	84	98	97	0	99
	B ATRAZINE DF	1.50	LAA 16						
	C (G)2,4-D-ESTER	0.50	LAA 16						
	D»COC	1.00	PMV 16						
3A	EPIC 58DF	0.47	LAA 16	99	98	98	98	0	99
	B ATRAZINE DF	1.25	LAA 16						
	C (G)2,4-D-ESTER	0.50	LAA 16						
	D»COC	1.00	PMV 16						
4A	CHECK	0.00	NA 0	63	40	85	23	0	93
	B (G)2,4-D-ESTER	0.50	LAA 16						
5A	USA 2001 71.5W	0.63	LAA 16	99	99	99	99	0	99
	B ATRAZINE DF	1.25	LAA 16						
	C (G)2,4-D-ESTER	0.50	LAA 16						
	D»COC	1.00	PMV 16						
6A	USA 2001 71.5W	0.76	LAA 16	99	96	96	96	0	99
	B ATRAZINE DF	1.25	LAA 16						
	C (G)2,4-D-ESTER	0.50	LAA 16						
	D»COC	1.00	PMV 16						
7A	FULTIME 4SC	3.50	LAA 16	99	91	97	96	0	99
	B»HORNET 68.5WG	0.128	LAA 16						
	C (G)2,4-D-ESTER	0.50	LAA 16						
	D»COC	1.00	PMV 16						
8A	BICEP II MAGNU	3.44	LAA 16	99	99	99	99	0	99
	B»CALLISTO 4SC	0.188	LAA 16						
	C (G)2,4-D-ESTER	0.50	LAA 16						
	D»COC	1.00	PMV 16						
9A	AXIOM	0.72	LAA 6	82	63	87	89	0	99
	B ATRAZINE DF	1.50	LAA 6						
	C»RNDUP ULTRA MA	0.56	LAA 6						
	D»LIQUID AMS	2.50	PMV 6						
10A	EPIC 58DF	0.435	LAA 6	95	83	88	97	0	99
	B ATRAZINE DF	1.25	LAA 6						
	C»RNDUP ULTRA MA	0.56	LAA 6						
	D»LIQUID AMS	2.50	PMV 6						
11A	CHECK	0.00	NA 0	88	72	83	95	0	99
	B»RNDUP ULTRA MA	0.56	LAA 6						
	C»LIQUID AMS	2.50	PMV 6						
12A	USA 2001 71.5W	0.58	LAA 6	97	89	99	98	0	99
	B ATRAZINE DF	1.25	LAA 6						
	C»RNDUP ULTRA MA	0.56	LAA 6						
	D»LIQUID AMS	2.50	PMV 6						
13A	USA 2001 71.5W	0.72	LAA 6	97	94	96	97	0	99
	B ATRAZINE DF	1.25	LAA 6						
	C»RNDUP ULTRA MA	0.56	LAA 6						
	D»LIQUID AMS	2.50	PMV 6						
14A	FULTIME 4SC	3.00	LAA 6	96	86	92	96	0	99
	B»HORNET 68.5WG	0.128	LAA 6						
	C»RNDUP ULTRA MA	0.56	LAA 6						
	D»LIQUID AMS	2.50	PMV 6						

## DATA MEAN

TITLE: Early Preplant Treatments in Notill Corn C-600W

TRT TREATMENT NUM COMPONENT	DOSAGE		TM	STEME	TAROF	CHEAL	SETFA	ZEAMD	STEME
	RATE	UNIT		CON %	CON %	CON %	CON %	CON %	CON %
				05/08/01	05/08/01	05/08/01	05/08/01	05/22/01	05/22/01
15A»BICEP II MAGNU	2.88	LAA	6	99	99	98	98	0	99
B»CALLISTO 4SC	0.188	LAA	6						
C»RNDUP ULTRA MA	0.56	LAA	6						
D»LIQUID AMS	2.50	PMV	6						
	LSD (0.05)			4.56	7.19	6.64	3.55	0.00	1.25
	STANDARD DEVIATION			2.23	3.51	3.24	1.74	0.00	0.609

## DATA MEAN

TITLE: Early Preplant Treatments in Notill Corn C-600W

CREATED: 04/08/2001 REVISED: 08/07/2001

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 RATE	DOSAGE UNIT	TM	TAROF CON % 05/22/01	CHEAL CON % 05/22/01	SETFA CON % 05/22/01	ZEAMD CON % 06/08/01	STEME CON % 06/08/01	TAROF CON % 06/08/01
1A	AXIOM	0.72	LAA	6	90	89	99	0	99	99
	B»RNDUP ULTRA MA	0.56	LAA	6						
	C»LIQUID AMS	2.50	PMV	6						
	D MARKSMAN SC	1.20	LAA	11						
	E»ACTIVATOR 90	0.25	PMV	11						
2A	AXIOM	0.81	LAA	16	91	99	94	0	99	89
	B ATRAZINE DF	1.50	LAA	16						
	C (G)2,4-D-ESTER	0.50	LAA	16						
	D»COC	1.00	PMV	16						
3A	EPIC 58DF	0.47	LAA	16	98	99	98	0	99	99
	B ATRAZINE DF	1.25	LAA	16						
	C (G)2,4-D-ESTER	0.50	LAA	16						
	D»COC	1.00	PMV	16						
4A	CHECK	0.00	NA	0	72	91	40	0	99	68
	B (G)2,4-D-ESTER	0.50	LAA	16						
5A	USA 2001 71.5W	0.63	LAA	16	97	99	99	0	99	99
	B ATRAZINE DF	1.25	LAA	16						
	C (G)2,4-D-ESTER	0.50	LAA	16						
	D»COC	1.00	PMV	16						
6A	USA 2001 71.5W	0.76	LAA	16	99	99	99	0	99	99
	B ATRAZINE DF	1.25	LAA	16						
	C (G)2,4-D-ESTER	0.50	LAA	16						
	D»COC	1.00	PMV	16						
7A	FULTIME 4SC	3.50	LAA	16	98	99	98	0	99	96
	B»HORNET 68.5WG	0.128	LAA	16						
	C (G)2,4-D-ESTER	0.50	LAA	16						
	D»COC	1.00	PMV	16						
8A	BICEP II MAGNU	3.44	LAA	16	97	99	99	0	99	99
	B»CALLISTO 4SC	0.188	LAA	16						
	C (G)2,4-D-ESTER	0.50	LAA	16						
	D»COC	1.00	PMV	16						
9A	AXIOM	0.72	LAA	6	97	99	98	0	99	95
	B ATRAZINE DF	1.50	LAA	6						
	C»RNDUP ULTRA MA	0.56	LAA	6						
	D»LIQUID AMS	2.50	PMV	6						
10A	EPIC 58DF	0.435	LAA	6	97	99	99	0	99	98
	B ATRAZINE DF	1.25	LAA	6						
	C»RNDUP ULTRA MA	0.56	LAA	6						
	D»LIQUID AMS	2.50	PMV	6						
11A	CHECK	0.00	NA	0	78	87	97	0	99	81
	B»RNDUP ULTRA MA	0.56	LAA	6						
	C»LIQUID AMS	2.50	PMV	6						
12A	USA 2001 71.5W	0.58	LAA	6	95	99	99	0	99	99
	B ATRAZINE DF	1.25	LAA	6						
	C»RNDUP ULTRA MA	0.56	LAA	6						
	D»LIQUID AMS	2.50	PMV	6						
13A	USA 2001 71.5W	0.72	LAA	6	99	99	99	0	99	99
	B ATRAZINE DF	1.25	LAA	6						
	C»RNDUP ULTRA MA	0.56	LAA	6						
	D»LIQUID AMS	2.50	PMV	6						
14A	FULTIME 4SC	3.00	LAA	6	92	99	99	0	99	95
	B»HORNET 68.5WG	0.128	LAA	6						
	C»RNDUP ULTRA MA	0.56	LAA	6						
	D»LIQUID AMS	2.50	PMV	6						

## DATA MEAN

TITLE: Early Preplant Treatments in Notill Corn C-600W

TRT TREATMENT NUM COMPONENT	DOSAGE		TM	TAROF	CHEAL	SETFA	ZEAMD	STEME	TAROF
	RATE	UNIT		CON % 05/22/01	CON % 05/22/01	CON % 05/22/01	CON % 06/08/01	CON % 06/08/01	CON % 06/08/01
15A»BICEP II MAGNU	2.88	LAA	6	99	99	99	0	99	98
B»CALLISTO 4SC	0.188	LAA	6						
C»RNDUP ULTRA MA	0.56	LAA	6						
D»LIQUID AMS	2.50	PMV	6						
	LSD (0.05)			5.62	3.22	4.82	0.00	0.00	6.55
	STANDARD DEVIATION			2.75	1.57	2.36	0.00	0.00	3.20

## DATA MEAN

TITLE: Early Preplant Treatments in Notill Corn C-600W

CREATED: 04/08/2001 REVISED: 08/07/2001

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		CHEAL	SETFA
		RATE	UNIT TM	CON % 06/08/01	CON % 06/08/01
1A	AXIOM	0.72	LAA 6	99	99
	B»RNDUP ULTRA MA	0.56	LAA 6		
	C»LIQUID AMS	2.50	PMV 6		
	D MARKSMAN SC	1.20	LAA 11		
	E»ACTIVATOR 90	0.25	PMV 11		
2A	AXIOM	0.81	LAA 16	99	97
	B ATRAZINE DF	1.50	LAA 16		
	C (G)2,4-D-ESTER	0.50	LAA 16		
	D»COC	1.00	PMV 16		
3A	EPIC 58DF	0.47	LAA 16	99	95
	B ATRAZINE DF	1.25	LAA 16		
	C (G)2,4-D-ESTER	0.50	LAA 16		
	D»COC	1.00	PMV 16		
4A	CHECK	0.00	NA 0	67	43
	B (G)2,4-D-ESTER	0.50	LAA 16		
5A	USA 2001 71.5W	0.63	LAA 16	99	99
	B ATRAZINE DF	1.25	LAA 16		
	C (G)2,4-D-ESTER	0.50	LAA 16		
	D»COC	1.00	PMV 16		
6A	USA 2001 71.5W	0.76	LAA 16	99	99
	B ATRAZINE DF	1.25	LAA 16		
	C (G)2,4-D-ESTER	0.50	LAA 16		
	D»COC	1.00	PMV 16		
7A	FULTIME 4SC	3.50	LAA 16	99	99
	B»HORNET 68.5WG	0.128	LAA 16		
	C (G)2,4-D-ESTER	0.50	LAA 16		
	D»COC	1.00	PMV 16		
8A	BICEP II MAGNU	3.44	LAA 16	99	99
	B»CALLISTO 4SC	0.188	LAA 16		
	C (G)2,4-D-ESTER	0.50	LAA 16		
	D»COC	1.00	PMV 16		
9A	AXIOM	0.72	LAA 6	99	99
	B ATRAZINE DF	1.50	LAA 6		
	C»RNDUP ULTRA MA	0.56	LAA 6		
	D»LIQUID AMS	2.50	PMV 6		
10A	EPIC 58DF	0.435	LAA 6	99	99
	B ATRAZINE DF	1.25	LAA 6		
	C»RNDUP ULTRA MA	0.56	LAA 6		
	D»LIQUID AMS	2.50	PMV 6		
11A	CHECK	0.00	NA 0	40	75
	B»RNDUP ULTRA MA	0.56	LAA 6		
	C»LIQUID AMS	2.50	PMV 6		
12A	USA 2001 71.5W	0.58	LAA 6	99	99
	B ATRAZINE DF	1.25	LAA 6		
	C»RNDUP ULTRA MA	0.56	LAA 6		
	D»LIQUID AMS	2.50	PMV 6		
13A	USA 2001 71.5W	0.72	LAA 6	98	99
	B ATRAZINE DF	1.25	LAA 6		
	C»RNDUP ULTRA MA	0.56	LAA 6		
	D»LIQUID AMS	2.50	PMV 6		
14A	FULTIME 4SC	3.00	LAA 6	97	99
	B»HORNET 68.5WG	0.128	LAA 6		
	C»RNDUP ULTRA MA	0.56	LAA 6		
	D»LIQUID AMS	2.50	PMV 6		

DATA MEAN

TITLE: Early Preplant Treatments in Notill Corn C-600W

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	CHEAL CON % 06/08/01	SETFA CON % 06/08/01
15A»BICEP II MAGNU	2.88	LAA	6	99	99
B»CALLISTO 4SC	0.188	LAA	6		
C»RNDUP ULTRA MA	0.56	LAA	6		
D»LIQUID AMS	2.50	PMV	6		
	LSD (0.05)			5.27	3.62
	STANDARD DEVIATION			2.57	1.77

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 06 = ----- / EPP 7DBP 05/02/2001(2)
- 11 = ----- / EPOST 05/25/2001(3)
- 16 = ----- / EPP 21DBP 04/19/2001(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
01	STEME	CON %	05/08/2001	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	TAROF	CON %	05/08/2001	03	P	TAROF		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	CHEAL	CON %	05/08/2001	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	SETFA	CON %	05/08/2001	05	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
05	ZEAMD	CON %	05/22/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	STEME	CON %	05/22/2001	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	TAROF	CON %	05/22/2001	03	P	TAROF		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	CHEAL	CON %	05/22/2001	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	SETFA	CON %	05/22/2001	05	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	ZEAMD	CON %	06/08/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
11	STEME	CON %	06/08/2001	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
12	TAROF	CON %	06/08/2001	03	P	TAROF		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
13	CHEAL	CON %	06/08/2001	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
14	SETFA	CON %	06/08/2001	05	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 34R07