

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIL  
PH: 6.6  
%OM: 4.8  
PREV. CROP: -  
%RESIDUE: 0  
PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB  
REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	04	05	11	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04/15/02	04/30/02	05/31/02	AME
AIR TEMPERATURE	83	60	82	F
% REL. HUMIDITY	75	60	80	
WIND DIRECTION	SOUTHWEST	NORTH	WEST	
WIND SPEED	10.0	5.0	8.0	M/H
CLOUD COVER	CLEAR	CLOUDY	CLEAR	
DEW	DRY	DRY	DRY	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	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			---/12	
ASGROW 738RR			4.00/4.00	IN
05/16/2002				
*** PEST ***				
LAMBSQUARTERS, C	---/10	---/13	---/19	
	0.25/0.25	0.50/0.50	2.00/4.00	IN
SMARTWEED, PENNS	---/10	---/15	---/19	
	0.25/0.25	1.00/3.00	4.00/8.00	IN
FOXTAIL, GIANT	---/00	---/10	---/11	
	/	0.50/0.50	1.00/1.00	IN
CHICKWEED, COMMO	---/19	---/19	---/19	
	1.00/3.00	2.00/4.00	4.00/6.00	IN
DANDELION, COMMO	---/18	---/19	---/19	
	1.00/2.00	2.00/4.00	4.00/6.00	IN

## \* TIMING CODES

04 = ----- / EPP 30DBP  
05 = ----- / EPP 15DBP  
11 = ----- / EPOST

## \* STAGE CODE

00 = DRY SEED (CARYOPSIS)  
10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED  
11 = FIRST LEAF UNFOLDED  
12 = 2 LEAVES UNFOLDED  
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

## DATA MEAN

TITLE: Notill systems with burndown in notill corn C-300

CREATED: 04/04/2002 REVISED: 08/15/2002

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		TM	STEME	TAROF	CHEAL	SETFA	POLPY	ZEAMD
		RATE	UNIT		CON % 05/06/02	CON % 05/06/02	CON % 05/06/02	CON % 05/06/02	CON % 05/06/02	CON % 05/23/02
1A	VALOR 51WDG	0.063	LAA	4	99	98	97	94	97	0
	B»RNDUP ULTRA MA	0.75	LAA	4						
	C»LIQUID AMS	2.50	PMV	4						
2A	V-10080 4.25L	1.06	LAA	4	99	98	99	99	99	0
	B»LIQUID AMS	2.50	PMV	4						
	C»COC	1.00	PMV	4						
3A	RNDUP ULTRA MA	0.75	LAA	4	99	95	98	90	96	0
	B»LIQUID AMS	2.50	PMV	4						
4A	BICEP II MAGNU	2.89	LAA	5	79	58	96	96	99	0
	B»AIM EW 1.9	0.008	LAA	5						
	C»COC	1.00	PMV	5						
5A	BICEP II MAGNU	2.89	LAA	5	88	81	99	99	99	0
	B»AIM EW 1.9	0.008	LAA	5						
	C (G)2,4-D-ESTER	0.25	LAA	5						
	D»COC	1.00	PMV	5						
6A	BICEP LITE II	2.25	LAA	5	75	72	95	94	98	0
	B»AIM EW 1.9	0.008	LAA	5						
	C»COC	1.00	PMV	5						
7A	BICEP II MAGNU	2.89	LAA	5	50	43	80	67	85	0
	B»COC	1.00	PMV	5						
8A	LUMAX 3.9L	2.29	LAA	5	60	57	83	63	87	0
	B»COC	1.00	PMV	5						
9A	CAMIX 3.66L	1.83	LAA	5	50	47	75	63	85	0
	B»COC	1.00	PMV	5						
10A	BALANCE PRO 4S	0.094	LAA	5	57	78	98	75	98	0
	B»AIM EW 1.9	0.008	LAA	5						
	C»COC	1.00	PMV	5						
11A	BALANCE PRO 4S	0.094	LAA	5	60	85	99	91	98	0
	B (G)2,4-D-ESTER	0.50	LAA	5						
	C»COC	1.00	PMV	5						
12A	DUAL II MAGNUM	1.43	LAA	5	72	83	96	93	99	0
	B»HORNET 68.5WG	0.128	LAA	5						
	C»AIM EW 1.9	0.008	LAA	5						
	D»COC	1.00	PMV	5						
13A	AIM EW 1.9	0.008	LAA	5	82	89	99	88	99	0
	B (G)2,4-D-ESTER	0.25	LAA	5						
	C»COC	1.00	PMV	5						
14A	AXIOM	0.81	LAA	5	52	53	83	73	88	0
	B»AIM EW 1.9	0.008	LAA	5						
	C»COC	1.00	PMV	5						
15A	AXIOM	0.72	LAA	5	73	67	92	90	96	0
	B»RNDUP ULTRA MA	0.56	LAA	5						
	C»LIQUID AMS	2.50	PMV	5						
	D MARKSMAN SC	1.20	LAA	11						
	E»ACTIVATOR 90	0.25	PMV	11						
16A	AXIOM	0.72	LAA	5	76	77	99	91	99	0
	B ATRAZINE DF	1.50	LAA	5						
	C»RNDUP ULTRA MA	0.56	LAA	5						
	D»LIQUID AMS	2.50	PMV	5						
17A	CHECK	0.00	NA	0	0	0	0	0	0	0

## DATA MEAN

TITLE: Notill systems with burndown in notill corn C-300

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	STEME	TAROF	CHEAL	SETFA	POLPY	ZEAMD
		RATE	UNIT		CON % 05/06/02	CON % 05/06/02	CON % 05/06/02	CON % 05/06/02	CON % 05/06/02	CON % 05/23/02
18A»	EPIC 58DF	0.44	LAA	5	80	77	99	88	99	0
	B ATRAZINE DF	1.25	LAA	5						
	C»RNDUP ULTRA MA	0.56	LAA	5						
	D»LIQUID AMS	2.50	PMV	5						
19A»	USA 2001 71.5W	0.54	LAA	5	78	75	99	90	99	0
	B ATRAZINE DF	1.50	LAA	5						
	C»RNDUP ULTRA MA	0.56	LAA	5						
	D»LIQUID AMS	2.50	PMV	5						
20A»	USA 2001 71.5W	0.67	LAA	5	80	77	99	94	99	0
	B ATRAZINE DF	1.50	LAA	5						
	C»RNDUP ULTRA MA	0.56	LAA	5						
	D»LIQUID AMS	2.50	PMV	5						
21A»	FIELDMASTER 4.	4.25	LAA	5	86	73	98	93	99	0
	B»LIQUID AMS	2.50	PMV	5						
			LSD (0.05)		12.15	12.29	6.33	8.17	4.63	0.00
			STANDARD DEVIATION		6.00	6.08	3.13	4.00	2.29	0.00

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CREATED: 04/04/2002 REVISED: 08/15/2002

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		TM	STEME	TAROF	CHEAL	SETFA	POLPY	ZEAMD
		RATE	UNIT		CON % 05/23/02	CON % 05/23/02	CON % 05/23/02	CON % 05/23/02	CON % 05/23/02	CON % 06/18/02
1A	VALOR 51WDG	0.063	LAA	4	99	90	99	92	99	0
	B»RNDUP ULTRA MA	0.75	LAA	4						
	C»LIQUID AMS	2.50	PMV	4						
2A	V-10080 4.25L	1.06	LAA	4	99	89	99	98	99	0
	B»LIQUID AMS	2.50	PMV	4						
	C»COC	1.00	PMV	4						
3A	RNDUP ULTRA MA	0.75	LAA	4	99	82	63	33	33	0
	B»LIQUID AMS	2.50	PMV	4						
4A	BICEP II MAGNU	2.89	LAA	5	99	86	99	99	99	0
	B»AIM EW 1.9	0.008	LAA	5						
	C»COC	1.00	PMV	5						
5A	BICEP II MAGNU	2.89	LAA	5	99	98	99	99	99	0
	B»AIM EW 1.9	0.008	LAA	5						
	C (G)2,4-D-ESTER	0.25	LAA	5						
	D»COC	1.00	PMV	5						
6A	BICEP LITE II	2.25	LAA	5	98	87	99	99	99	0
	B»AIM EW 1.9	0.008	LAA	5						
	C»COC	1.00	PMV	5						
7A	BICEP II MAGNU	2.89	LAA	5	99	78	99	99	99	0
	B»COC	1.00	PMV	5						
8A	LUMAX 3.9L	2.29	LAA	5	99	96	99	98	99	0
	B»COC	1.00	PMV	5						
9A	CAMIX 3.66L	1.83	LAA	5	98	97	99	99	99	0
	B»COC	1.00	PMV	5						
10A	BALANCE PRO 4S	0.094	LAA	5	93	89	99	99	99	0
	B»AIM EW 1.9	0.008	LAA	5						
	C»COC	1.00	PMV	5						
11A	BALANCE PRO 4S	0.094	LAA	5	97	94	99	98	99	0
	B (G)2,4-D-ESTER	0.50	LAA	5						
	C»COC	1.00	PMV	5						
12A	DUAL II MAGNUM	1.43	LAA	5	89	90	97	98	98	0
	B»HORNET 68.5WG	0.128	LAA	5						
	C»AIM EW 1.9	0.008	LAA	5						
	D»COC	1.00	PMV	5						
13A	AIM EW 1.9	0.008	LAA	5	70	79	79	57	83	0
	B (G)2,4-D-ESTER	0.25	LAA	5						
	C»COC	1.00	PMV	5						
14A	AXIOM	0.81	LAA	5	83	75	99	99	99	0
	B»AIM EW 1.9	0.008	LAA	5						
	C»COC	1.00	PMV	5						
15A	AXIOM	0.72	LAA	5	99	95	98	99	99	0
	B»RNDUP ULTRA MA	0.56	LAA	5						
	C»LIQUID AMS	2.50	PMV	5						
	D MARKSMAN SC	1.20	LAA	11						
	E»ACTIVATOR 90	0.25	PMV	11						
16A	AXIOM	0.72	LAA	5	99	98	99	99	99	0
	B ATRAZINE DF	1.50	LAA	5						
	C»RNDUP ULTRA MA	0.56	LAA	5						
	D»LIQUID AMS	2.50	PMV	5						
17A	CHECK	0.00	NA	0	0	0	0	0	0	0

## DATA MEAN

TITLE: Notill systems with burndown in notill corn C-300

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	STEME	TAROF	CHEAL	SETFA	POLPY	ZEAMD
		RATE	UNIT		CON % 05/23/02	CON % 05/23/02	CON % 05/23/02	CON % 05/23/02	CON % 05/23/02	CON % 06/18/02
18A»	EPIC 58DF	0.44	LAA	5	99	99	99	99	99	0
	B ATRAZINE DF	1.25	LAA	5						
	C»RNDUP ULTRA MA	0.56	LAA	5						
	D»LIQUID AMS	2.50	PMV	5						
19A»	USA 2001 71.5W	0.54	LAA	5	99	99	99	99	99	0
	B ATRAZINE DF	1.50	LAA	5						
	C»RNDUP ULTRA MA	0.56	LAA	5						
	D»LIQUID AMS	2.50	PMV	5						
20A»	USA 2001 71.5W	0.67	LAA	5	99	99	99	99	99	0
	B ATRAZINE DF	1.50	LAA	5						
	C»RNDUP ULTRA MA	0.56	LAA	5						
	D»LIQUID AMS	2.50	PMV	5						
21A»	FIELDMASTER 4.	4.25	LAA	5	99	97	99	99	99	0
	B»LIQUID AMS	2.50	PMV	5						
			LSD (0.05)		4.51	6.00	4.08	3.36	2.95	0.00
			STANDARD DEVIATION		2.23	3.00	2.00	1.66	1.46	0.00

## DATA MEAN

TITLE: Notill systems with burndown in notill corn C-300

CREATED: 04/04/2002 REVISED: 08/15/2002

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		TM	STEME	TAROF	CHEAL	SETFA	POLPY
		RATE	UNIT		CON % 06/18/02	CON % 06/18/02	CON % 06/18/02	CON % 06/18/02	CON % 06/18/02
1A	VALOR 51WDG	0.063	LAA	4	99	78	95	65	98
	B»RNDUP ULTRA MA	0.75	LAA	4					
	C»LIQUID AMS	2.50	PMV	4					
2A	V-10080 4.25L	1.06	LAA	4	99	75	98	57	95
	B»LIQUID AMS	2.50	PMV	4					
	C»COC	1.00	PMV	4					
3A	RNDUP ULTRA MA	0.75	LAA	4	99	58	83	57	33
	B»LIQUID AMS	2.50	PMV	4					
4A	BICEP II MAGNU	2.89	LAA	5	99	72	99	89	99
	B»AIM EW 1.9	0.008	LAA	5					
	C»COC	1.00	PMV	5					
5A	BICEP II MAGNU	2.89	LAA	5	99	95	99	91	99
	B»AIM EW 1.9	0.008	LAA	5					
	C (G)2,4-D-ESTER	0.25	LAA	5					
	D»COC	1.00	PMV	5					
6A	BICEP LITE II	2.25	LAA	5	99	75	99	91	99
	B»AIM EW 1.9	0.008	LAA	5					
	C»COC	1.00	PMV	5					
7A	BICEP II MAGNU	2.89	LAA	5	99	57	99	90	99
	B»COC	1.00	PMV	5					
8A	LUMAX 3.9L	2.29	LAA	5	99	73	99	81	99
	B»COC	1.00	PMV	5					
9A	CAMIX 3.66L	1.83	LAA	5	99	84	99	91	99
	B»COC	1.00	PMV	5					
10A	BALANCE PRO 4S	0.094	LAA	5	99	79	99	68	92
	B»AIM EW 1.9	0.008	LAA	5					
	C»COC	1.00	PMV	5					
11A	BALANCE PRO 4S	0.094	LAA	5	99	94	99	63	99
	B (G)2,4-D-ESTER	0.50	LAA	5					
	C»COC	1.00	PMV	5					
12A	DUAL II MAGNUM	1.43	LAA	5	65	52	93	86	98
	B»HORNET 68.5WG	0.128	LAA	5					
	C»AIM EW 1.9	0.008	LAA	5					
	D»COC	1.00	PMV	5					
13A	AIM EW 1.9	0.008	LAA	5	50	57	68	20	33
	B (G)2,4-D-ESTER	0.25	LAA	5					
	C»COC	1.00	PMV	5					
14A	AXIOM	0.81	LAA	5	93	79	99	92	95
	B»AIM EW 1.9	0.008	LAA	5					
	C»COC	1.00	PMV	5					
15A	AXIOM	0.72	LAA	5	99	95	99	92	99
	B»RNDUP ULTRA MA	0.56	LAA	5					
	C»LIQUID AMS	2.50	PMV	5					
	D MARKSMAN SC	1.20	LAA	11					
	E»ACTIVATOR 90	0.25	PMV	11					
16A	AXIOM	0.72	LAA	5	99	96	99	88	99
	B ATRAZINE DF	1.50	LAA	5					
	C»RNDUP ULTRA MA	0.56	LAA	5					
	D»LIQUID AMS	2.50	PMV	5					
17A	CHECK	0.00	NA	0	0	0	0	0	0

DATA MEAN

TITLE: Notill systems with burndown in notill corn C-300

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	STEME	TAROF	CHEAL	SETFA	POLPY
		RATE	UNIT		CON % 06/18/02	CON % 06/18/02	CON % 06/18/02	CON % 06/18/02	CON % 06/18/02
18A	»EPIC 58DF	0.44	LAA	5	99	96	99	90	99
	B ATRAZINE DF	1.25	LAA	5					
	C»RNDUP ULTRA MA	0.56	LAA	5					
	D»LIQUID AMS	2.50	PMV	5					
19A	»USA 2001 71.5W	0.54	LAA	5	99	94	99	93	99
	B ATRAZINE DF	1.50	LAA	5					
	C»RNDUP ULTRA MA	0.56	LAA	5					
	D»LIQUID AMS	2.50	PMV	5					
20A	»USA 2001 71.5W	0.67	LAA	5	99	97	99	97	99
	B ATRAZINE DF	1.50	LAA	5					
	C»RNDUP ULTRA MA	0.56	LAA	5					
	D»LIQUID AMS	2.50	PMV	5					
21A	»FIELDMASTER 4.	4.25	LAA	5	99	81	99	87	99
	B»LIQUID AMS	2.50	PMV	5					
		LSD (0.05)			5.35	10.00	6.82	9.24	5.72
		STANDARD DEVIATION			2.65	5.00	3.37	4.57	2.83

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 04 = ----- / EPP 30DBP 04/15/2002 (1)  
 05 = ----- / EPP 15DBP 04/30/2002 (2)  
 11 = ----- / EPOST 05/31/2002 (3)

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 %	05/06/2002	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	TAROF	CON %	05/06/2002	03	P	TAROF		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	CHEAL	CON %	05/06/2002	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	SETFA	CON %	05/06/2002	05	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
05	POLPY	CON %	05/06/2002	06	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	ZEAMD	CON %	05/23/2002	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	STEME	CON %	05/23/2002	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	TAROF	CON %	05/23/2002	03	P	TAROF		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	CHEAL	CON %	05/23/2002	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	SETFA	CON %	05/23/2002	05	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
11	POLPY	CON %	05/23/2002	06	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
12	ZEAMD	CON %	06/18/2002	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
13	STEME	CON %	06/18/2002	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
14	TAROF	CON %	06/18/2002	03	P	TAROF		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
15	CHEAL	CON %	06/18/2002	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
16	SETFA	CON %	06/18/2002	05	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
17	POLPY	CON %	06/18/2002	06	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 738RR