

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.4  
 %OM: 4.8  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: 0  
 PLOT WIDTH: 7.5 X 36 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	11	
TYPE	LIQMXSPR	
APPLICATION DATE	05/22/01	AME
AIR TEMPERATURE	58	F
% REL.HUMIDITY	52	
WIND DIRECTION	WEST	
WIND SPEED	10.0	M/H
CLOUD COVER	CLEAR	
DEW	DRY	
SOIL MOISTURE	MOIST/MOI	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	42.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	---/14	
PIONEER 34R07	6.00/6.00	IN
04/26/2001		
*** PEST ***		
VELVETLEAF	---/12	
	1.00/2.00	IN
RAGWEED, COMMON	---/12	
	1.00/2.00	IN
LAMBSQUARTERS, C	---/14	
	1.00/1.00	IN
MORNINGGLORY, TA	---/11	
	1.00/1.00	IN
FOXTAIL, GIANT	---/11	
	1.00/2.00	IN
COCKLEBUR, COMMO	---/11	
	1.00/1.00	IN

\* TIMING CODES

11 = ----- / EPOST

\* STAGE CODE

11 = FIRST LEAF UNFOLDED  
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4 LEAVES UNFOLDED

## DATA MEAN

TITLE: Total postemergence weed control in corn C-500

CREATED: 04/12/2001 REVISED: 01/15/2002

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: URBANA

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 7.50 FT WIDE X 36.00 FT LONG

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	AMBEL	XANST	ABUTH
		RATE	UNIT	TM	CON % 06/01/01	CON % 06/01/01	CON % 06/01/01	CON % 06/01/01	CON % 06/01/01	CON % 06/01/01
1A	ACCENT 75WG	0.031	LAA	11	0	91	97	90	96	95
	B»CALLISTO 4SC	0.094	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
2A	ACCENT 75WG	0.031	LAA	11	0	93	99	99	97	99
	B»CALLISTO 4SC	0.094	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
3A»	BASIS GOLD 90D	0.79	LAA	11	0	99	99	99	99	99
	B»CALLISTO 4SC	0.094	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
4A	CHECK	0.00	NA	0	0	0	0	0	0	0
5A»	BASIS GOLD 90D	0.79	LAA	11	0	99	99	99	98	99
	B»CALLISTO 4SC	0.047	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
6A»	STEADFAST 75DF	0.035	LAA	11	0	94	88	86	90	84
	B»COC	1.00	PMV	11						
	C 28% UAN	2.50	PMV	11						
7A»	STEADFAST 75DF	0.035	LAA	11	0	93	98	96	96	97
	B»CALLISTO 4SC	0.094	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
8A»	STEADFAST 75DF	0.035	LAA	11	0	96	99	98	98	99
	B»CALLISTO 4SC	0.094	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
9A»	BASIS GOLD 90D	0.79	LAA	11	0	97	99	99	99	96
	B»DISTINCT 70WG	0.088	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
10A»	BASIS GOLD 90D	0.79	LAA	11	0	95	99	98	96	94
	B»DISTINCT 70WG	0.088	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
11A	ACCENT 75WG	0.031	LAA	11	0	99	99	99	99	95
	B»DISTINCT 70WG	0.088	LAA	11						
	C ATRAZINE DF	0.90	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
12A	ACCENT 75WG	0.031	LAA	11	0	98	99	99	98	92
	B»DISTINCT 70WG	0.088	LAA	11						
	C ATRAZINE DF	0.90	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E 28% UAN	2.50	PMV	11						
13A»	ACCENT GOLD 83	0.158	LAA	0	2	99	98	98	98	96
	B»DPX-79406 75DF	0.024	LAA	11						
	C»HORNET 68.5WG	0.128	LAA	11						
	D»DISTINCT 70WG	0.088	LAA	11						
	E»ACTIVATOR 90	0.25	PMV	11						
	F 28% UAN	2.50	PMV	11						



## DATA MEAN

TITLE: Total postemergence weed control in corn C-500

CREATED: 04/12/2001 REVISED: 01/15/2002

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: URBANA

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 7.50 FT WIDE X 36.00 FT LONG

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			PHBPU CON % 06/01/01	ZEAMD CON % 06/20/01	SETFA CON % 06/20/01	CHEAL CON % 06/20/01	AMBEL CON % 06/20/01	XANST CON % 06/20/01
		RATE	UNIT	TM						
1A	ACCENT 75WG	0.031	LAA	11	85	0	88	99	99	99
	B»CALLISTO 4SC	0.094	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
2A	ACCENT 75WG	0.031	LAA	11	99	0	89	99	99	99
	B»CALLISTO 4SC	0.094	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
3A»	BASIS GOLD 90D	0.79	LAA	11	99	0	93	99	99	99
	B»CALLISTO 4SC	0.094	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
4A	CHECK	0.00	NA	0	0	0	0	0	0	0
5A»	BASIS GOLD 90D	0.79	LAA	11	98	0	90	99	99	98
	B»CALLISTO 4SC	0.047	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
6A»	STEADFAST 75DF	0.035	LAA	11	84	0	92	84	64	63
	B»COC	1.00	PMV	11						
	C 28% UAN	2.50	PMV	11						
7A»	STEADFAST 75DF	0.035	LAA	11	91	0	95	99	98	93
	B»CALLISTO 4SC	0.094	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
8A»	STEADFAST 75DF	0.035	LAA	11	99	2	92	99	99	99
	B»CALLISTO 4SC	0.094	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
9A»	BASIS GOLD 90D	0.79	LAA	11	97	0	94	99	99	98
	B»DISTINCT 70WG	0.088	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
10A»	BASIS GOLD 90D	0.79	LAA	11	93	0	90	99	99	95
	B»DISTINCT 70WG	0.088	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
11A	ACCENT 75WG	0.031	LAA	11	98	2	96	99	99	99
	B»DISTINCT 70WG	0.088	LAA	11						
	C ATRAZINE DF	0.90	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
12A	ACCENT 75WG	0.031	LAA	11	94	0	95	99	99	99
	B»DISTINCT 70WG	0.088	LAA	11						
	C ATRAZINE DF	0.90	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E 28% UAN	2.50	PMV	11						
13A»	ACCENT GOLD 83	0.158	LAA	0	93	7	99	99	99	99
	B»DPX-79406 75DF	0.024	LAA	11						
	C»HORNET 68.5WG	0.128	LAA	11						
	D»DISTINCT 70WG	0.088	LAA	11						
	E»ACTIVATOR 90	0.25	PMV	11						
	F 28% UAN	2.50	PMV	11						

## DATA MEAN

TITLE: Total postemergence weed control in corn C-500

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	PHBPU	ZEAMD	SETFA	CHEAL	AMBEL	XANST
		RATE	UNIT		CON % 06/01/01	CON % 06/20/01	CON % 06/20/01	CON % 06/20/01	CON % 06/20/01	CON % 06/20/01
14A	CELEBRITY PLUS	0.21	LAA	11	87	2	94	99	98	96
	B»ACTIVATOR 90	0.25	PMV	11						
	C 28% UAN	2.50	PMV	11						
15A	AEF 130360-1 7	0.066	LAA	11	90	3	94	99	99	98
	B»CALLISTO 4SC	0.094	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
16A	ACCENT 75WG	0.031	LAA	11	88	0	97	99	99	98
	B»MON12075 67.5W	0.336	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
17A	CELEBRITY PLUS	0.21	LAA	11	81	0	87	99	99	98
	B»CLASS ACT NG	2.50	PMV	11						
18A	CELEBRITY PLUS	0.21	LAA	11	86	0	94	99	99	99
	B»NEWTONE	1.00	PMV	11						
19A	CELEBRITY PLUS	0.21	LAA	11	77	0	75	99	99	96
	B»PREFERENCE	0.25	PMV	11						
	C»N-PAK AMS	3.00	PMV	11						
20A	AEF 130360-2 6	0.067	LAA	11	79	0	91	92	85	80
	B»MSO	1.00	PMV	11						
	C 28% UAN	2.50	PMV	11						
					LSD (0.05)					
					STANDARD DEVIATION					

## DATA MEAN

**TITLE:** Total postemergence weed control in corn C-500  
**CREATED:** 04/12/2001 **REVISED:** 01/15/2002 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** URBANA **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT **WIDE X** 36.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ABUTH	PHBPU
		RATE	UNIT		CON % 06/20/01	CON % 06/20/01
1A	ACCENT 75WG	0.031	LAA	11	99	98
	B»CALLISTO 4SC	0.094	LAA	11		
	C»COC	1.00	PMV	11		
	D 28% UAN	2.50	PMV	11		
2A	ACCENT 75WG	0.031	LAA	11	99	98
	B»CALLISTO 4SC	0.094	LAA	11		
	C ATRAZINE DF	0.25	LAA	11		
	D»COC	1.00	PMV	11		
	E 28% UAN	2.50	PMV	11		
3A»	BASIS GOLD 90D	0.79	LAA	11	99	99
	B»CALLISTO 4SC	0.094	LAA	11		
	C»COC	1.00	PMV	11		
	D 28% UAN	2.50	PMV	11		
4A	CHECK	0.00	NA	0	0	0
5A»	BASIS GOLD 90D	0.79	LAA	11	99	99
	B»CALLISTO 4SC	0.047	LAA	11		
	C»COC	1.00	PMV	11		
	D 28% UAN	2.50	PMV	11		
6A»	STEADFAST 75DF	0.035	LAA	11	72	62
	B»COC	1.00	PMV	11		
	C 28% UAN	2.50	PMV	11		
7A»	STEADFAST 75DF	0.035	LAA	11	98	91
	B»CALLISTO 4SC	0.094	LAA	11		
	C»COC	1.00	PMV	11		
	D 28% UAN	2.50	PMV	11		
8A»	STEADFAST 75DF	0.035	LAA	11	99	99
	B»CALLISTO 4SC	0.094	LAA	11		
	C ATRAZINE DF	0.25	LAA	11		
	D»COC	1.00	PMV	11		
	E 28% UAN	2.50	PMV	11		
9A»	BASIS GOLD 90D	0.79	LAA	11	98	96
	B»DISTINCT 70WG	0.088	LAA	11		
	C»COC	1.00	PMV	11		
	D 28% UAN	2.50	PMV	11		
10A»	BASIS GOLD 90D	0.79	LAA	11	96	93
	B»DISTINCT 70WG	0.088	LAA	11		
	C»ACTIVATOR 90	0.25	PMV	11		
	D 28% UAN	2.50	PMV	11		
11A	ACCENT 75WG	0.031	LAA	11	99	98
	B»DISTINCT 70WG	0.088	LAA	11		
	C ATRAZINE DF	0.90	LAA	11		
	D»COC	1.00	PMV	11		
	E 28% UAN	2.50	PMV	11		
12A	ACCENT 75WG	0.031	LAA	11	99	99
	B»DISTINCT 70WG	0.088	LAA	11		
	C ATRAZINE DF	0.90	LAA	11		
	D»ACTIVATOR 90	0.25	PMV	11		
	E 28% UAN	2.50	PMV	11		
13A»	ACCENT GOLD 83	0.158	LAA	0	99	98
	B»DPX-79406 75DF	0.024	LAA	11		
	C»HORNET 68.5WG	0.128	LAA	11		
	D»DISTINCT 70WG	0.088	LAA	11		
	E»ACTIVATOR 90	0.25	PMV	11		
	F 28% UAN	2.50	PMV	11		

DATA MEAN

TITLE: Total postemergence weed control in corn C-500

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ABUTH	PHBPU	
		RATE	UNIT		CON % 06/20/01	CON % 06/20/01	
14A	CELEBRITY PLUS	0.21	LAA	11	99	94	
	B»ACTIVATOR 90	0.25	PMV	11			
	C 28% UAN	2.50	PMV	11			
15A	AEF 130360-1 7	0.066	LAA	11	99	98	
	B»CALLISTO 4SC	0.094	LAA	11			
	C»MSO	1.00	PMV	11			
	D 28% UAN	2.50	PMV	11			
16A	ACCENT 75WG	0.031	LAA	11	99	97	
	B»MON12075 67.5W	0.336	LAA	11			
	C»ACTIVATOR 90	0.25	PMV	11			
	D»LIQUID AMS	2.50	PMV	11			
17A	CELEBRITY PLUS	0.21	LAA	11	99	94	
	B»CLASS ACT NG	2.50	PMV	11			
18A	CELEBRITY PLUS	0.21	LAA	11	99	96	
	B»NEWTONE	1.00	PMV	11			
19A	CELEBRITY PLUS	0.21	LAA	11	99	85	
	B»PREFERENCE	0.25	PMV	11			
	C»N-PAK AMS	3.00	PMV	11			
20A	AEF 130360-2 6	0.067	LAA	11	88	80	
	B»MSO	1.00	PMV	11			
	C 28% UAN	2.50	PMV	11			
					LSD (0.05)	3.00	5.84
					STANDARD DEVIATION	1.46	2.89

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 11 = ----- / EPOST 05/22/2001(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
01	ZEAMD	CON %	06/01/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	SETFA	CON %	06/01/2001	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	CHEAL	CON %	06/01/2001	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	AMBEL	CON %	06/01/2001	04	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
05	XANST	CON %	06/01/2001	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	ABUTH	CON %	06/01/2001	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	PHBPU	CON %	06/01/2001	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	ZEAMD	CON %	06/20/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	SETFA	CON %	06/20/2001	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	CHEAL	CON %	06/20/2001	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
11	AMBEL	CON %	06/20/2001	04	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
12	XANST	CON %	06/20/2001	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
13	ABUTH	CON %	06/20/2001	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
14	PHBPU	CON %	06/20/2001	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 34R07