

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.4
 %OM: 4.8
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 10 X 36 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	10	11	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/08/01	06/06/01	AME
AIR TEMPERATURE	77	76	F
% REL.HUMIDITY	30	74	
WIND DIRECTION	WEST	NORTHWEST	
WIND SPEED	5.0	1.0	M/H
CLOUD COVER	CLEAR	CLOUDY	
DEW	---	MOIST	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
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	---/12	---/15	
PIONEER 34R07	0.50/0.50	14.0/14.0	IN
04/26/2001			
*** PEST ***			
VELVETLEAF	---/10	---/14	
	0.50/0.50	2.00/4.00	IN
RAGWEED, COMMON	---/10	---/16	
	0.50/0.50	3.00/6.00	IN
LAMBSQUARTERS, C	---/10	---/18	
	1.00/1.00	2.00/6.00	IN
MORNINGGLORY, TA	---/10	---/19	
	0.50/0.50	2.00/4.00	IN
SMARTWEED, PENNS	---/11	---/19	
	1.00/1.00	3.00/6.00	IN
COCKLEBUR, COMMO	---/10	---/14	
	1.00/1.00	4.00/4.00	IN

* TIMING CODES

10 = ----- / VEPOST
 11 = ----- / EPOST

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
 11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
 12 = 2 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 15 = 5 LEAVES UNFOLDED
 16 = 6TH 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: Postemergence broadleaf weed control in corn C-500

CREATED: 04/10/2001 REVISED: 10/11/2001

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: URBANA

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT WIDE X 36.00 FT LONG

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	CHEAL	AMBEL	ABUTH	POLPY	XANST
		RATE	UNIT	TM	CON % 06/16/01	CON % 06/16/01	CON % 06/16/01	CON % 06/16/01	CON % 06/16/01	CON % 06/16/01
1A	DUAL II MAGNUM	1.59	LAA	0	0	90	63	63	77	57
	B>>CALLISTO 4SC	0.094	LAA	10						
	C>>COC	1.00	PMV	10						
	D 28% UAN	2.50	PMV	10						
2A	DUAL II MAGNUM	1.59	LAA	0	0	92	78	87	87	60
	B>>CALLISTO 4SC	0.094	LAA	10						
	C ATRAZINE DF	0.25	LAA	10						
	D>>COC	1.00	PMV	10						
	E 28% UAN	2.50	PMV	10						
3A	DUAL II MAGNUM	1.59	LAA	0	0	92	90	75	92	85
	B MARKSMAN SC	1.40	LAA	10						
	C>>LIQUID AMS	2.50	PMV	10						
4A	DUAL II MAGNUM	1.59	LAA	0	0	0	0	0	0	0
	B CHECK	0.00	NA	0						
5A	DUAL II MAGNUM	1.59	LAA	0	0	99	99	98	99	90
	B>>CALLISTO 4SC	0.094	LAA	11						
	C>>COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
6A	DUAL II MAGNUM	1.59	LAA	0	0	99	99	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						
7A	DUAL II MAGNUM	1.59	LAA	0	0	90	96	99	99	98
	B>>DISTINCT 70WG	0.26	LAA	11						
	C>>ACTIVATOR 90	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
8A	DUAL II MAGNUM	1.59	LAA	0	0	87	93	93	88	93
	B>>MON12075 67.5W	0.168	LAA	11						
	C>>ACTIVATOR 90	0.25	PMV	11						
	D>>LIQUID AMS	2.50	PMV	11						
9A	DUAL II MAGNUM	1.59	LAA	0	10	90	96	95	92	91
	B>>MON12075 67.5W	0.336	LAA	11						
	C>>ACTIVATOR 90	0.25	PMV	11						
	D>>LIQUID AMS	2.50	PMV	11						
10A	DUAL II MAGNUM	1.59	LAA	0	0	73	77	82	77	83
	B>>SPIRIT 57WG	0.036	LAA	11						
	C>>COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
11A	DUAL II MAGNUM	1.59	LAA	0	12	99	99	83	96	87
	B>>SPIRIT 57WG	0.036	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D>>COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
12A	DUAL II MAGNUM	1.59	LAA	0	7	90	90	93	95	95
	B>>NORTHSTAR 47.4	0.148	LAA	11						
	C>>COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
13A	DUAL II MAGNUM	1.59	LAA	0	3	96	83	82	98	96
	B>>TOUGH 5EC	0.63	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D>>COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						

DATA MEAN

TITLE: Postemergence broadleaf weed control in corn C-500

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	CHEAL	AMBEL	ABUTH	POLPY	XANST
		RATE	UNIT		CON % 06/16/01	CON % 06/16/01	CON % 06/16/01	CON % 06/16/01	CON % 06/16/01	CON % 06/16/01
14A	DUAL II MAGNUM	1.59	LAA	0	0	83	80	91	91	83
	B»HORNET 68.5WG	0.128	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
15A	DUAL II MAGNUM	1.59	LAA	0	18	98	93	99	99	99
	B CLARITY	0.50	LAA	11						
	C 28% UAN	2.50	PMV	11						
16A	DUAL II MAGNUM	1.59	LAA	0	0	99	99	83	99	88
	B»BASIS GOLD 90D	0.78	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
17A	DUAL II MAGNUM	1.59	LAA	0	0	90	77	88	88	82
	B»AEF 130360-2 6	0.0667	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
18A	DUAL II MAGNUM	1.59	LAA	0	0	99	90	93	99	96
	B»AIM 40DF	0.008	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»COC	1.00	PMV	11						
19A	DUAL II MAGNUM	1.59	LAA	0	7	99	99	98	99	99
	B»AIM 40DF	0.008	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D CLARITY	0.125	LAA	11						
	E»ACTIVATOR 90	0.25	PMV	11						
20A	DUAL II MAGNUM	1.59	LAA	0	3	96	96	93	96	96
	B»AIM 40DF	0.008	LAA	11						
	C»HORNET 68.5WG	0.128	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
		LSD (0.05)			8.66	5.71	9.64	8.43	8.39	9.53
		STANDARD DEVIATION			4.29	2.83	4.77	4.17	4.15	4.72

DATA MEAN

TITLE: Postemergence broadleaf weed control in corn C-500

CREATED: 04/10/2001 REVISED: 10/11/2001

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: URBANA

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT WIDE X 36.00 FT LONG

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			PHBPU	ZEAMD	CHEAL	AMBEL	ABUTH	POLPY
		RATE	UNIT	TM	CON % 06/16/01	CON % 07/11/01	CON % 07/11/01	CON % 07/11/01	CON % 07/11/01	CON % 07/11/01
1A»	DUAL II MAGNUM	1.59	LAA	0	47	0	99	82	99	99
	B»CALLISTO 4SC	0.094	LAA	10						
	C»COC	1.00	PMV	10						
	D 28% UAN	2.50	PMV	10						
2A»	DUAL II MAGNUM	1.59	LAA	0	43	7	94	91	99	99
	B»CALLISTO 4SC	0.094	LAA	10						
	C ATRAZINE DF	0.25	LAA	10						
	D»COC	1.00	PMV	10						
	E 28% UAN	2.50	PMV	10						
3A»	DUAL II MAGNUM	1.59	LAA	0	53	0	99	99	87	99
	B MARKSMAN SC	1.40	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
4A»	DUAL II MAGNUM	1.59	LAA	0	0	0	0	0	0	0
	B CHECK	0.00	NA	0						
5A»	DUAL II MAGNUM	1.59	LAA	0	88	0	99	96	99	99
	B»CALLISTO 4SC	0.094	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
6A»	DUAL II MAGNUM	1.59	LAA	0	99	5	99	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						
7A»	DUAL II MAGNUM	1.59	LAA	0	90	25	99	96	99	99
	B»DISTINCT 70WG	0.26	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
8A»	DUAL II MAGNUM	1.59	LAA	0	75	10	99	99	99	99
	B»MON12075 67.5W	0.168	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
9A»	DUAL II MAGNUM	1.59	LAA	0	77	17	99	99	99	99
	B»MON12075 67.5W	0.336	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
10A»	DUAL II MAGNUM	1.59	LAA	0	70	5	96	99	99	99
	B»SPIRIT 57WG	0.036	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
11A»	DUAL II MAGNUM	1.59	LAA	0	85	8	99	99	83	99
	B»SPIRIT 57WG	0.036	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
12A»	DUAL II MAGNUM	1.59	LAA	0	73	8	99	99	99	99
	B»NORTHSTAR 47.4	0.148	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
13A»	DUAL II MAGNUM	1.59	LAA	0	88	3	99	94	90	96
	B»TOUGH 5EC	0.63	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						

DATA MEAN

TITLE: Postemergence broadleaf weed control in corn C-500

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	PHBPU	ZEAMD	CHEAL	AMBEL	ABUTH	POLPY
		RATE	UNIT		CON % 06/16/01	CON % 07/11/01	CON % 07/11/01	CON % 07/11/01	CON % 07/11/01	CON % 07/11/01
14A	DUAL II MAGNUM	1.59	LAA	0	68	0	96	95	99	99
	B»HORNET 68.5WG	0.128	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
15A	DUAL II MAGNUM	1.59	LAA	0	92	25	99	99	99	99
	B CLARITY	0.50	LAA	11						
	C 28% UAN	2.50	PMV	11						
16A	DUAL II MAGNUM	1.59	LAA	0	83	0	99	90	87	99
	B»BASIS GOLD 90D	0.78	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
17A	DUAL II MAGNUM	1.59	LAA	0	67	0	98	98	98	96
	B»AEF 130360-2 6	0.0667	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
18A	DUAL II MAGNUM	1.59	LAA	0	92	15	99	93	96	99
	B»AIM 40DF	0.008	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»COC	1.00	PMV	11						
19A	DUAL II MAGNUM	1.59	LAA	0	96	10	99	99	99	99
	B»AIM 40DF	0.008	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D CLARITY	0.125	LAA	11						
	E»ACTIVATOR 90	0.25	PMV	11						
20A	DUAL II MAGNUM	1.59	LAA	0	92	0	99	99	99	96
	B»AIM 40DF	0.008	LAA	11						
	C»HORNET 68.5WG	0.128	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
		LSD (0.05)			9.87	7.42	4.14	8.17	4.16	3.32
		STANDARD DEVIATION			4.89	3.67	2.05	4.00	2.06	1.64

DATA MEAN

TITLE: Postemergence broadleaf weed control in corn C-500
CREATED: 04/10/2001 **REVISED:** 10/11/2001 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 36.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	XANST	PHBPU	YIELD
		RATE	UNIT		CON % 07/11/01	CON % 07/11/01	BU/A 09/25/01
1A	DUAL II MAGNUM	1.59	LAA	0	67	63	145.7
	B>>CALLISTO 4SC	0.094	LAA	10			
	C>>COC	1.00	PMV	10			
	D 28% UAN	2.50	PMV	10			
2A	DUAL II MAGNUM	1.59	LAA	0	78	67	139.4
	B>>CALLISTO 4SC	0.094	LAA	10			
	C ATRAZINE DF	0.25	LAA	10			
	D>>COC	1.00	PMV	10			
	E 28% UAN	2.50	PMV	10			
3A	DUAL II MAGNUM	1.59	LAA	0	98	72	142.4
	B MARKSMAN SC	1.40	LAA	10			
	C>>LIQUID AMS	2.50	PMV	10			
4A	DUAL II MAGNUM	1.59	LAA	0	0	0	106.9
	B CHECK	0.00	NA	0			
5A	DUAL II MAGNUM	1.59	LAA	0	90	90	167.4
	B>>CALLISTO 4SC	0.094	LAA	11			
	C>>COC	1.00	PMV	11			
	D 28% UAN	2.50	PMV	11			
6A	DUAL II MAGNUM	1.59	LAA	0	99	96	170.5
	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			
7A	DUAL II MAGNUM	1.59	LAA	0	99	96	162.2
	B>>DISTINCT 70WG	0.26	LAA	11			
	C>>ACTIVATOR 90	0.25	PMV	11			
	D 28% UAN	2.50	PMV	11			
8A	DUAL II MAGNUM	1.59	LAA	0	99	92	167.3
	B>>MON12075 67.5W	0.168	LAA	11			
	C>>ACTIVATOR 90	0.25	PMV	11			
	D>>LIQUID AMS	2.50	PMV	11			
9A	DUAL II MAGNUM	1.59	LAA	0	99	92	159.0
	B>>MON12075 67.5W	0.336	LAA	11			
	C>>ACTIVATOR 90	0.25	PMV	11			
	D>>LIQUID AMS	2.50	PMV	11			
10A	DUAL II MAGNUM	1.59	LAA	0	96	80	157.7
	B>>SPIRIT 57WG	0.036	LAA	11			
	C>>COC	1.00	PMV	11			
	D 28% UAN	2.50	PMV	11			
11A	DUAL II MAGNUM	1.59	LAA	0	99	83	162.3
	B>>SPIRIT 57WG	0.036	LAA	11			
	C ATRAZINE DF	1.00	LAA	11			
	D>>COC	1.00	PMV	11			
	E 28% UAN	2.50	PMV	11			
12A	DUAL II MAGNUM	1.59	LAA	0	99	92	161.0
	B>>NORTHSTAR 47.4	0.148	LAA	11			
	C>>COC	1.00	PMV	11			
	D 28% UAN	2.50	PMV	11			
13A	DUAL II MAGNUM	1.59	LAA	0	96	85	167.1
	B>>TOUGH 5EC	0.63	LAA	11			
	C ATRAZINE DF	1.00	LAA	11			
	D>>COC	1.00	PMV	11			
	E 28% UAN	2.50	PMV	11			

DATA MEAN

TITLE: Postemergence broadleaf weed control in corn C-500

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	XANST	PHBPU	YIELD	
		RATE	UNIT		CON % 07/11/01	CON % 07/11/01	BU/A 09/25/01	
14A	DUAL II MAGNUM	1.59	LAA	0	95	83	175.4	
	B»HORNET 68.5WG	0.128	LAA	11				
	C»ACTIVATOR 90	0.25	PMV	11				
	D 28% UAN	2.50	PMV	11				
15A	DUAL II MAGNUM	1.59	LAA	0	99	95	146.8	
	B CLARITY	0.50	LAA	11				
	C 28% UAN	2.50	PMV	11				
16A	DUAL II MAGNUM	1.59	LAA	0	91	80	170.3	
	B»BASIS GOLD 90D	0.78	LAA	11				
	C»COC	1.00	PMV	11				
	D 28% UAN	2.50	PMV	11				
17A	DUAL II MAGNUM	1.59	LAA	0	96	88	160.8	
	B»AEF 130360-2 6	0.0667	LAA	11				
	C»MSO	1.00	PMV	11				
	D 28% UAN	2.50	PMV	11				
18A	DUAL II MAGNUM	1.59	LAA	0	96	92	160.2	
	B»AIM 40DF	0.008	LAA	11				
	C ATRAZINE DF	1.00	LAA	11				
	D»COC	1.00	PMV	11				
19A	DUAL II MAGNUM	1.59	LAA	0	98	93	170.9	
	B»AIM 40DF	0.008	LAA	11				
	C ATRAZINE DF	1.00	LAA	11				
	D CLARITY	0.125	LAA	11				
	E»ACTIVATOR 90	0.25	PMV	11				
20A	DUAL II MAGNUM	1.59	LAA	0	96	83	164.0	
	B»AIM 40DF	0.008	LAA	11				
	C»HORNET 68.5WG	0.128	LAA	11				
	D»ACTIVATOR 90	0.25	PMV	11				
					LS D (0.05)	7.85	8.71	20.93
					STANDARD DEVIATION	3.88	4.31	10.36

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 10 = ----- / VEPOST 05/08/2001(1)
 11 = ----- / EPOST 06/06/2001(2)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
01	ZEAMD	CON %	06/16/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	CHEAL	CON %	06/16/2001	02	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	AMBEL	CON %	06/16/2001	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	ABUTH	CON %	06/16/2001	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
05	POLPY	CON %	06/16/2001	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	XANST	CON %	06/16/2001	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	PHBPU	CON %	06/16/2001	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	ZEAMD	CON %	07/11/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	CHEAL	CON %	07/11/2001	02	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	AMBEL	CON %	07/11/2001	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
11	ABUTH	CON %	07/11/2001	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
12	POLPY	CON %	07/11/2001	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
13	XANST	CON %	07/11/2001	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
14	PHBPU	CON %	07/11/2001	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
15	YIELD	BU/A	09/25/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 34R07