

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.2
 %OM: 6.0
 PREV. CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 10 X 33 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	10	11	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/15/01	06/04/01	AME
AIR TEMPERATURE	80	64	F
% REL. HUMIDITY	60	75	
WIND DIRECTION	SOUTHWEST	NORTHEAST	
WIND SPEED	9.6	8.0	M/H
CLOUD COVER	CLEAR	OVERCAST	
DEW	DRY	DRY	
SOIL MOISTURE	MOIST/MOI	MOIST/MOI	
SOIL CONDITION	FRIABLE	FRIABLE	
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			
*** PEST ***			
VELVETLEAF	MED/10 0.50/0.50	MED/14 2.00/2.00	IN
RAGWEED, GIANT	HGH/12 1.00/3.00	HGH/16 2.00/6.00	IN
LAMBSQUARTERS, C	MED/10 0.50/0.50	MED/14 1.00/1.00	IN
CORN, DENT PIONEER 33G26 04/28/2001	NA/12 3.00/3.00	NA/16 8.00/8.00	IN

* TIMING CODES

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

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
 12 = 2 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 16 = 6 LEAVES UNFOLDED

DATA MEAN

TITLE: Postemergence broadleaf weed control in corn SW-1600
Dual II Magnum Blanket Pre

CREATED: 04/17/2001 **REVISED:** 01/14/2002

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: Dekalb

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT WIDE X 33.00 FT LONG

REPS: 03

TRT	TREATMENT	DOSAGE			ZEAMD	AMBTR	ABUTH	CHEAL	ZEAMD	ZEAMD
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %	CON %
					06/04/01	06/04/01	06/04/01	06/04/01	06/13/01	06/21/01
1A	DUAL II MAGNUM	1.59	LAA	0	0	87	98	98		0
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	98	99		0
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	91	91	99		0
B	MARKSMAN SC	1.40	LAA	10						
C	LIQUID AMS	2.50	PMV	10						
4A	DUAL II MAGNUM	1.59	LAA	0					0	0
B	CHECK	0.00	NA	0						
5A	DUAL II MAGNUM	1.59	LAA	0						0
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
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
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
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						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						0
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						0
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						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					9	0
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 SW-1600
Dual II Magnum Blanket Pre

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	AMBTR	ABUTH	CHEAL	ZEAMD	ZEAMD
		RATE	UNIT		CON % 06/04/01	CON % 06/04/01	CON % 06/04/01	CON % 06/04/01	CON % 06/13/01	CON % 06/21/01
14A»	DUAL II MAGNUM	1.59	LAA	0						0
	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						0
	B CLARITY	0.50	LAA	11						
	C 28% UAN	2.50	PMV	11						
16A»	DUAL II MAGNUM	1.59	LAA	0						0
	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
	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					16	0
	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					11	0
	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					13	0
	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)			0.00	4.26	3.13	0.437	1.36	0.00
		STANDARD DEVIATION			0.00	2.11	1.55	0.216	0.672	0.00

DATA MEAN

TITLE: Postemergence broadleaf weed control in corn SW-1600
Dual II Magnum Blanket Pre

CREATED: 04/17/2001 **REVISED:** 01/14/2002

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: Dekalb

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT WIDE X 33.00 FT LONG

REPS: 03

TRT	TREATMENT	DOSAGE			AMBTR	ABUTH	CHEAL	ZEAMD	AMBTR	ABUTH
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %	CON %
					06/21/01	06/21/01	06/21/01	07/02/01	07/02/01	07/02/01
1A	DUAL II MAGNUM	1.59	LAA	0	83	97	85	0	68	94
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	90	98	99	0	78	96
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	93	95	99	0	90	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	89	98	99	0	82	95
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	98	99	99	0	91	96
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	97	92	99	0	90	80
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	96	94	99	0	88	88
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	98	96	99	0	97	94
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	99	94	98	0	90	75
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	98	98	99	0	99	89
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	98	97	96	0	98	92
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	98	87	99	0	96	73
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 SW-1600
Dual II Magnum Blanket Pre

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	AMBTR	ABUTH	CHEAL	ZEAMD	AMBTR	ABUTH
		RATE	UNIT		CON % 06/21/01	CON % 06/21/01	CON % 06/21/01	CON % 07/02/01	CON % 07/02/01	CON % 07/02/01
14A	DUAL II MAGNUM	1.59	LAA	0	96	93	99	0	91	90
	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	97	99	0	95	91
	B CLARITY	0.50	LAA	11						
	C 28% UAN	2.50	PMV	11						
16A	DUAL II MAGNUM	1.59	LAA	0	85	80	99	0	83	65
	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	97	94	99	0	94	79
	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	83	95	99	0	72	88
	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	95	94	99	0	91	86
	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	97	98	99	0	97	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)			9.32	7.00	3.52	0.00	14.21	11.28
		STANDARD DEVIATION			4.61	3.48	1.74	0.00	7.00	5.58

DATA MEAN

TITLE: Postemergence broadleaf weed control in corn SW-1600
Dual II Magnum Blanket Pre

CREATED: 04/17/2001 **REVISED:** 01/14/2002

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: Dekalb

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT WIDE X 33.00 FT LONG

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			CHEAL	YIELD
		RATE	UNIT	TM	CON % 07/02/01	BU/A 10/08/01
1A	DUAL II MAGNUM	1.59	LAA	0	75	124.7
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	99	146.8
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	99	142.2
B	MARKSMAN SC	1.40	LAA	10		
C	LIQUID AMS	2.50	PMV	10		
4A	DUAL II MAGNUM	1.59	LAA	0	0	30.0
B	CHECK	0.00	NA	0		
5A	DUAL II MAGNUM	1.59	LAA	0	99	151.9
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	147.9
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	155.3
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	98	132.6
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	154.4
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	85	157.3
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	153.4
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	159.7
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	99	151.9
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 SW-1600
Dual II Magnum Blanket Pre

TRT	TREATMENT	DOSAGE	CHEAL	YIELD	
NUM	COMPONENT	RATE	CON %	BU/A	
		UNIT	TM 07/02/01	10/08/01	
14A»	DUAL II MAGNUM	1.59	LAA 0	96	137.7
	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	157.6
	B CLARITY	0.50	LAA 11		
	C 28% UAN	2.50	PMV 11		
16A»	DUAL II MAGNUM	1.59	LAA 0	98	166.5
	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	98	157.4
	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	98	149.6
	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	154.2
	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	99	168.8
	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)		8.45	27.67
		STANDARD DEVIATION		4.18	13.69

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
10 = ----- / VEPOST 05/15/2001(1)
11 = ----- / EPOST 06/04/2001(2)

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 %	06/04/2001	01	P	ZEAMD	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	AMBTR	CON %	06/04/2001	02	P	AMBTR	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	ABUTH	CON %	06/04/2001	03	P	ABUTH	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	CHEAL	CON %	06/04/2001	04	P	CHEAL	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
05	ZEAMD	CON %	06/13/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	ZEAMD	CON %	06/21/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	AMBTR	CON %	06/21/2001	02	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	ABUTH	CON %	06/21/2001	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	CHEAL	CON %	06/21/2001	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	ZEAMD	CON %	07/02/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
11	AMBTR	CON %	07/02/2001	02	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
12	ABUTH	CON %	07/02/2001	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
13	CHEAL	CON %	07/02/2001	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
14	YIELD	BU/A	10/08/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 33G26

* STAGE CODE

14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6 LEAVES UNFOLDED