

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.7
%OM: 1.5
PREV. CROP: GLXMA - SOYBEAN
%RESIDUE: 0
PLOT WIDTH: 7.5 X 32 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	10	11	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/05/01	05/22/01	05/26/01	AME
AIR TEMPERATURE	74	61	66	F
% REL. HUMIDITY	60	80	75	
WIND DIRECTION	SOUTH	SOUTHWEST	SOUTHWEST	
WIND SPEED	5.0	10.0	12.0	M/H
CLOUD COVER	PARTCLDY	CLEAR	CLEAR	
DEW	---	DRY	DRY	
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	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	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	---/14	
ASGROW RX770RR		3.00/3.00	5.00/5.00	IN
05/03/2001				
*** PEST ***				
WATERHEMP, COMMO		---/12	---/14	
		1.00/1.00	1.00/2.00	IN
RAGWEED, COMMON		---/11	---/12	
		1.00/1.00	1.00/2.00	IN
MORNINGGLORY, PI		---/10	---/12	
		1.00/1.00	1.00/1.00	IN
FOXTAIL, GIANT		---/11	---/12	
		1.00/1.00	1.00/2.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
10 = ----- / VEPOST
11 = ----- / EPOST

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
11 = FIRST LEAF UNFOLDED
12 = 2 LEAVES UNFOLDED
14 = 4 LEAVES UNFOLDED

DATA MEAN

TITLE: Sequential programs for weed control in corn C4S
 CREATED: 05/06/2001 REVISED: 11/20/2001 COMPLETED: N
 PROJECT TYPE: HERBICIDE
 LOCATION: BTOWN RESEARCHED BY: UNIV. OF ILL
 DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
 PLOT SIZE: 7.50 FT WIDE X 32.00 FT LONG REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	AMBEL	IPOLA	AMATA	ZEAMD
		RATE	UNIT		CON % 05/29/01	CON % 05/29/01	CON % 05/29/01	CON % 05/29/01	CON % 05/29/01	CON % 07/05/01
1A	BICEP II MAGNU	2.89	LAA	9	0	98	96	97	95	0
2A	DUAL II MAGNUM	1.59	LAA	9	0	93	95	88	96	0
	B»CALLISTO 4SC	0.188	LAA	9						
3A	DUAL II MAGNUM	1.59	LAA	9	0	98	99	99	99	0
	B»CALLISTO 4SC	0.188	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						
4A	CHECK	0.00	NA	0	0	0	0	0	0	0
5A	DUAL II MAGNUM	1.59	LAA	9	0	95	13	7	10	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	9	0	95	40	20	20	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	BICEP II MAGNU	2.89	LAA	9	0	97	98	98	96	0
	B»CALLISTO 4SC	0.094	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
8A	DUAL II MAGNUM	1.59	LAA	9	0	92	7	0	13	0
	B»SPIRIT 57WG	0.036	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
9A	DUAL II MAGNUM	1.59	LAA	9	0	98	27	0	7	0
	B»NORTHSTAR 47.4	0.148	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
10A	GUARDS MAX 5L	2.81	LAA	9	0	99	98	98	98	0
11A	OUTLOOK 6EC	0.94	LAA	9	0	97	99	96	94	0
	B MARKSMAN SC	1.40	LAA	10						
	C»LIQUID AMS	2.50	PMV	10						
12A	TOPNOTCH (3.2C	2.00	LAA	9	0	95	37	30	30	0
	B»HORNET 68.5WG	0.128	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
13A	FULTIME 4SC	3.25	LAA	10	0	0	0	0	0	0
	B»HORNET 68.5WG	0.128	LAA	10						
	C»ACTIVATOR 90	0.25	PMV	10						
	D»LIQUID AMS	2.50	PMV	10						
14A	OUTLOOK 6EC	0.94	LAA	9	0	88	60	33	30	0
	B»DISTINCT 70WG	0.26	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
15A	GUARDS MAX 5L	2.50	LAA	9	0	99	98	98	96	0
	B»DISTINCT 70WG	0.175	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
16A	GUARDS MAX 5L	2.50	LAA	9	0	95	98	95	96	0
	B»CELEBRITY PLUS	0.21	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						

DATA MEAN

TITLE: Sequential programs for weed control in corn C4S

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	AMBEL	IPOLA	AMATA	ZEAMD
		RATE	UNIT		CON % 05/29/01	CON % 05/29/01	CON % 05/29/01	CON % 05/29/01	CON % 05/29/01	CON % 07/05/01
17A	LEADOFF 5SE	3.13	LAA	9	0	98	99	93	99	0
18A	LEADOFF 5SE	2.50	LAA	9	0	99	99	99	99	0
	B»BALANCE PRO 4S	0.063	LAA	9						
19A	LEADOFF 5SE	1.25	LAA	9	0	97	95	84	60	0
	B»BASIS GOLD 90D	0.79	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
20A	LEADOFF 5SE	1.25	LAA	9	0	89	92	82	73	0
	B»BASIS GOLD 90D	0.79	LAA	11						
	C CLARITY	0.25	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
21A	LEADOFF 5SE	1.25	LAA	9	0	93	95	90	75	0
	B»BASIS GOLD 90D	0.79	LAA	11						
	C»HORNET 68.5WG	0.086	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
22A	LEADOFF 5SE	1.25	LAA	9	0	93	89	80	72	0
	B»BASIS GOLD 90D	0.79	LAA	11						
	C»DISTINCT 70WG	0.175	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
23A	TOPNOTCH (3.2C	2.00	LAA	9	0	99	47	43	33	0
	B»HORNET 68.5WG	0.128	LAA	11						
	C ATRAZINE DF	1.00	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
24A	TOPNOTCH (3.2C	2.00	LAA	9	0	99	60	40	67	0
	B»HORNET 68.5WG	0.128	LAA	11						
	C CLARITY	0.125	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
25A	TOPNOTCH (3.2C	2.00	LAA	9	0	97	33	53	50	0
	B»HORNET 68.5WG	0.128	LAA	11						
	C»DISTINCT 70WG	0.088	LAA	11						
	D»ACTIVATOR 90	0.25	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
26A	HARNESS (7EC)	1.97	LAA	9	0	98	63	40	47	0
	B»MON12075 67.5W	0.00	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
27A	DEGREE 3.8SC	2.02	LAA	9	0	99	47	43	73	0
	B»MON12075 67.5W	0.00	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
28A	DEFINE 60DF	0.525	LAA	9	0	93	60	33	72	0
	B»AEF 130360-2 6	0.0667	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
		LSD (0.05)			0.00	5.44	11.21	8.89	12.85	0.00
		STANDARD DEVIATION			0.00	2.72	5.60	4.45	6.42	0.00

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TITLE: Sequential programs for weed control in corn C4S
CREATED: 05/06/2001 **REVISED:** 11/20/2001 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: BTOWN **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 32.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	AMBEL	AMATA	IPOLA
		RATE	UNIT		CON % 07/05/01	CON % 07/05/01	CON % 07/05/01	CON % 07/05/01
1A	BICEP II MAGNU	2.89	LAA	9	99	91	99	96
2A	DUAL II MAGNUM	1.59	LAA	9	98	92	92	93
	B»CALLISTO 4SC	0.188	LAA	9				
3A	DUAL II MAGNUM	1.59	LAA	9	99	99	99	93
	B»CALLISTO 4SC	0.188	LAA	9				
	C ATRAZINE DF	1.00	LAA	9				
4A	CHECK	0.00	NA	0	0	0	0	0
5A	DUAL II MAGNUM	1.59	LAA	9	96	88	96	67
	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	9	96	99	99	91
	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	BICEP II MAGNU	2.89	LAA	9	98	99	99	96
	B»CALLISTO 4SC	0.094	LAA	11				
	C»COC	1.00	PMV	11				
	D 28% UAN	2.50	PMV	11				
8A	DUAL II MAGNUM	1.59	LAA	9	96	99	88	73
	B»SPIRIT 57WG	0.036	LAA	11				
	C»COC	1.00	PMV	11				
	D 28% UAN	2.50	PMV	11				
9A	DUAL II MAGNUM	1.59	LAA	9	99	96	99	73
	B»NORTHSTAR 47.4	0.148	LAA	11				
	C»COC	1.00	PMV	11				
	D 28% UAN	2.50	PMV	11				
10A	GUARDS MAX 5L	2.81	LAA	9	99	91	95	95
11A	OUTLOOK 6EC	0.94	LAA	9	99	95	95	91
	B MARKSMAN SC	1.40	LAA	10				
	C»LIQUID AMS	2.50	PMV	10				
12A	TOPNOTCH (3.2C	2.00	LAA	9	99	98	96	65
	B»HORNET 68.5WG	0.128	LAA	11				
	C»ACTIVATOR 90	0.25	PMV	11				
	D»LIQUID AMS	2.50	PMV	11				
13A	FULTIME 4SC	3.25	LAA	10	94	95	96	88
	B»HORNET 68.5WG	0.128	LAA	10				
	C»ACTIVATOR 90	0.25	PMV	10				
	D»LIQUID AMS	2.50	PMV	10				
14A	OUTLOOK 6EC	0.94	LAA	9	99	70	91	80
	B»DISTINCT 70WG	0.26	LAA	11				
	C»ACTIVATOR 90	0.25	PMV	11				
	D»LIQUID AMS	2.50	PMV	11				
15A	GUARDS MAX 5L	2.50	LAA	9	98	90	86	93
	B»DISTINCT 70WG	0.175	LAA	11				
	C»ACTIVATOR 90	0.25	PMV	11				
	D»LIQUID AMS	2.50	PMV	11				
16A	GUARDS MAX 5L	2.50	LAA	9	98	87	94	95
	B»CELEBRITY PLUS	0.21	LAA	11				
	C»ACTIVATOR 90	0.25	PMV	11				
	D»LIQUID AMS	2.50	PMV	11				

DATA MEAN

TITLE: Sequential programs for weed control in corn C4S

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	AMBEL	AMATA	IPOLA
		RATE	UNIT		CON % 07/05/01	CON % 07/05/01	CON % 07/05/01	CON % 07/05/01
17A»	LEADOFF 5SE	3.13	LAA	9	98	99	93	97
18A»	LEADOFF 5SE	2.50	LAA	9	99	86	91	90
	B»BALANCE PRO 4S	0.063	LAA	9				
19A»	LEADOFF 5SE	1.25	LAA	9	98	86	91	90
	B»BASIS GOLD 90D	0.79	LAA	11				
	C»COC	1.00	PMV	11				
	D 28% UAN	2.50	PMV	11				
20A»	LEADOFF 5SE	1.25	LAA	9	98	86	91	90
	B»BASIS GOLD 90D	0.79	LAA	11				
	C CLARITY	0.25	LAA	11				
	D»COC	1.00	PMV	11				
	E 28% UAN	2.50	PMV	11				
21A»	LEADOFF 5SE	1.25	LAA	9	99	94	91	94
	B»BASIS GOLD 90D	0.79	LAA	11				
	C»HORNET 68.5WG	0.086	LAA	11				
	D»COC	1.00	PMV	11				
	E 28% UAN	2.50	PMV	11				
22A»	LEADOFF 5SE	1.25	LAA	9	99	95	93	96
	B»BASIS GOLD 90D	0.79	LAA	11				
	C»DISTINCT 70WG	0.175	LAA	11				
	D»ACTIVATOR 90	0.25	PMV	11				
23A	TOPNOTCH (3.2C	2.00	LAA	9	99	98	96	97
	B»HORNET 68.5WG	0.128	LAA	11				
	C ATRAZINE DF	1.00	LAA	11				
	D»COC	1.00	PMV	11				
	E»LIQUID AMS	2.50	PMV	11				
24A	TOPNOTCH (3.2C	2.00	LAA	9	99	93	99	68
	B»HORNET 68.5WG	0.128	LAA	11				
	C CLARITY	0.125	LAA	11				
	D»ACTIVATOR 90	0.25	PMV	11				
	E»LIQUID AMS	2.50	PMV	11				
25A	TOPNOTCH (3.2C	2.00	LAA	9	99	94	99	47
	B»HORNET 68.5WG	0.128	LAA	11				
	C»DISTINCT 70WG	0.088	LAA	11				
	D»ACTIVATOR 90	0.25	PMV	11				
	E»LIQUID AMS	2.50	PMV	11				
26A	HARNESS (7EC)	1.97	LAA	9	98	93	93	72
	B»MON12075 67.5W	0.00	LAA	11				
	C»ACTIVATOR 90	0.25	PMV	11				
27A»	DEGREE 3.8SC	2.02	LAA	9	99	99	99	72
	B»MON12075 67.5W	0.00	LAA	11				
	C»ACTIVATOR 90	0.25	PMV	11				
28A»	DEFINE 60DF	0.525	LAA	9	99	90	89	72
	B»AEF 130360-2 6	0.0667	LAA	11				
	C»MSO	1.00	PMV	11				
	D 28% UAN	2.50	PMV	11				
		LSD (0.05)			3.37	14.94	8.86	7.44
		STANDARD DEVIATION			1.69	7.47	4.43	3.72

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/05/2001 (1)
 10 = ----- / VEPOST 05/22/2001 (2)
 11 = ----- / EPOST 05/26/2001 (3)

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 %	05/29/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

DATA MEAN

TITLE: Sequential programs for weed control in corn C4S

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
02	SETFA	CON %	05/29/2001	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	AMBEL	CON %	05/29/2001	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	IPOLA	CON %	05/29/2001	04	P	IPOLA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
05	AMATA	CON %	05/29/2001	05	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	ZEAMD	CON %	07/05/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	SETFA	CON %	07/05/2001	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	AMBEL	CON %	07/05/2001	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	AMATA	CON %	07/05/2001	05	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	IPOLA	CON %	07/05/2001	04	P	IPOLA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW RX770RR