

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.6
 %OM: 4.7
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE:
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	03	04	05	UNIT
TIMINGS	06	09	11	12	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04/22/99	05/01/99	05/28/99	06/07/99	06/11/99	AME
AIR TEMPERATURE	63	70	77	86	85	F
% REL.HUMIDITY	81	45	55	60	77	
WIND DIRECTION	SOUTH	EAST	WEST	SOUTHWEST	SOUTH	
WIND SPEED	4.0	5.0	3.0	7.0	2.0	M/H
CLOUD COVER	CLOUDY	CLEAR	CLEAR	CLEAR	OVERCAST	
DEW	---	---	NO	NO	NO	
SOIL MOISTURE	MOIST/MOI	MOIST/MOI	MOIST/MOI	MOIST/MOI	MOIST/MOI	
SOIL CONDITION	---	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	WATER	WATER	
INC. DATE						AME
INC. START						24H
INC. END						24H
INC. DEPTH						IN
INC. EQUIPMENT						
DENSITY /						
*** CROP ***						
CORN, DENT			---/13	---/15	---/16	
DEKALB 589RR			6.00/8.00	16.0/16.0	22.0/22.0	IN
04/30/1999						
*** PEST ***						
VELVETLEAF			---/12	---/14	---/16	
LAMBSQUARTERS, C			1.00/2.00	2.00/4.00	3.00/6.00	IN
MORNINGGLORY, TA			---/15	---/19	---/19	
SMARTWEED, PENNS			1.00/2.00	2.00/4.00	3.00/6.00	IN
FOXTAIL, GIANT			---/14	---/15	---/18	
			1.00/1.00	1.00/2.00	2.00/3.00	IN
			---/15	---/18	---/19	
			1.00/3.00	3.00/5.00	4.00/8.00	IN
			---/12	---/13	---/14	
			1.00/3.00	3.00/6.00	4.00/8.00	IN

* TIMING CODES

06 = ----- / EPP 7DBP
 09 = ----- / PREEMERGENCE
 11 = ----- / EPOST
 12 = ----- / POST
 13 = ----- / LPOST

* STAGE CODE

12 = 2 LEAVES UNFOLDED
 13 = 3 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 16 = 6 LEAVES UNFOLDED
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: CNOVSYS1 WEED CONTROL SYSTEMS IN RREADY CORN AS-200
CREATED: 04/02/1999 **REVISED:** 11/05/1999 **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	ZEAMD	SETFA	CHEAL	ABUTH	PHBPU	POLPY
		RATE	UNIT		CON % 06/17/99	CON % 06/17/99	CON % 06/17/99	CON % 06/17/99	CON % 06/17/99	CON % 06/17/99
1A	DUAL II MAGNUM	1.60	LAA	6	0	87	91	88	81	91
B	NORTHSTAR 47.4	0.148	LAA	12						
C	COC	1.25	PMV	12						
D	AM. SULFATE	12.50	PMG	12						
2A	DUAL II MAGNUM	1.60	LAA	6	0	91	92	96	80	90
B	SPIRIT 57WG	0.036	LAA	12						
C	COC	1.25	PMV	12						
D	AM. SULFATE	12.50	PMG	12						
3A	BICEP II MAGNU	3.20	LAA	9	0	96	99	92	92	99
4A	BICEP TR 4.59L	4.59	LAA	9	0	99	99	97	93	99
5A	BICEP II MAGNU	3.20	LAA	9	0	99	99	98	97	99
B	NORTHSTAR 47.4	0.148	LAA	11						
C	COC	1.25	PMV	11						
D	AM. SULFATE	12.50	PMG	11						
6A	CHECK	0.00	NA	0	0	0	0	0	0	0
7A	DUAL II MAGNUM	1.60	LAA	9	0	98	92	93	90	90
B	NORTHSTAR 47.4	0.148	LAA	12						
C	COC	1.25	PMV	12						
D	AM. SULFATE	12.50	PMG	12						
8A	DUAL II MAGNUM	1.60	LAA	9	3	96	95	92	80	92
B	SPIRIT 57WG	0.036	LAA	12						
C	COC	1.25	PMV	12						
D	AM. SULFATE	12.50	PMG	12						
9A	DUAL II MAGNUM	1.60	LAA	9	0	99	99	91	75	88
B	ROUNDUP ULTRA	0.56	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
10A	FRONTIER 6.0EC	1.50	LAA	9	15	93	99	98	98	99
B	MARKSMAN SC	1.40	LAA	12						
11A	LEADOFF 5SE	0.94	LAA	9	10	88	98	92	87	91
B	BASIS GOLD 90D	0.79	LAA	12						
C	COC	1.00	PMV	12						
D	28% UAN	2.50	PMV	12						
12A	FULTIME 4SC	3.50	LAA	9	0	99	99	94	90	99
B	HORNET 85.6WG	0.128	LAA	12						
13A	HARNESS EXTRA	3.64	LAA	9	0	98	99	99	90	99
14A	HARNESS (7EC)	2.00	LAA	9	0	99	99	96	70	93
B	ROUNDUP ULTRA	0.56	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
15A	FRONTIER 6.0EC	1.50	LAA	9	18	98	98	96	94	98
B	DISTINCT 70WG	0.26	LAA	12						
C	ACTIVATE PLUS	0.25	PMV	12						
D	28% UAN	2.50	PMV	12						
16A	BALANCE 75WG	0.094	LAA	9	0	96	99	99	90	98
B	ATRAZINE DF	1.50	LAA	9						
17A	BICEP II MAGNU	3.20	LAA	9	0	90	99	92	82	95
B	HORNET 85.6WG	0.107	LAA	9						
18A	BICEP II MAGNU	3.20	LAA	9	0	93	99	92	87	96
B	PYTHON 80WG	0.04	LAA	9						
19A	BICEP II MAGNU	2.75	LAA	9	0	98	99	99	94	99
B	BALANCE 75WG	0.094	LAA	9						

TITLE: CNOVSYS1 WEED CONTROL SYSTEMS IN RREADY CORN AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		ZEAMD	SETFA	CHEAL	ABUTH	PHBPU	POLPY
		RATE	UNIT TM	CON % 06/17/99	CON % 06/17/99	CON % 06/17/99	CON % 06/17/99	CON % 06/17/99	CON % 06/17/99
20A	ROUNDUP ULTRA	0.75	LAA 12	0	95	99	98	87	91
B	AM. SULFATE	8.50	PMG 12						
21A	HARNESS XTRA	1.82	LAA 9	0	98	99	93	80	96
B	ROUNDUP ULTRA	0.56	LAA 13						
C	AM. SULFATE	8.50	PMG 13						
22A	ROUNDUP ULTRA	0.56	LAA 11	5	98	99	99	85	99
B	AM. SULFATE	8.50	PMG 11						
C	ROUNDUP ULTRA	0.56	LAA 13						
D	AM. SULFATE	8.50	PMG 13						
23A»	ICIA5676/ZA129	2.19	LAA 9	0	98	99	99	92	99
24A»	ICIA5676/ZA129	1.10	LAA 9	0	96	99	99	82	99
B	ROUNDUP ULTRA	0.56	LAA 13						
C	AM. SULFATE	8.50	PMG 13						
			LSD (0.05)	4.38	5.68	3.58	4.00	8.47	5.92
			STANDARD DEVIATION	2.19	2.84	1.79	2.00	4.23	3.00

TITLE: CNOVSYS1 WEED CONTROL SYSTEMS IN RREADY CORN AS-200
CREATED: 04/02/1999 **REVISED:** 11/05/1999 **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	ZEAMD	SETFA	CHEAL	ABUTH	PHBPU	POLPY
		RATE	UNIT		CON % 07/02/99	CON % 07/02/99	CON % 07/02/99	CON % 07/02/99	CON % 07/02/99	CON % 07/02/99
1A	DUAL II MAGNUM	1.60	LAA	6	0	86	98	93	92	98
B	NORTHSTAR 47.4	0.148	LAA	12						
C	COC	1.25	PMV	12						
D	AM. SULFATE	12.50	PMG	12						
2A	DUAL II MAGNUM	1.60	LAA	6	0	93	83	95	82	98
B	SPIRIT 57WG	0.036	LAA	12						
C	COC	1.25	PMV	12						
D	AM. SULFATE	12.50	PMG	12						
3A	BICEP II MAGNU	3.20	LAA	9	0	96	99	92	93	96
4A	BICEP TR 4.59L	4.59	LAA	9	0	92	99	96	91	99
5A	BICEP II MAGNU	3.20	LAA	9	0	98	99	99	98	99
B	NORTHSTAR 47.4	0.148	LAA	11						
C	COC	1.25	PMV	11						
D	AM. SULFATE	12.50	PMG	11						
6A	CHECK	0.00	NA	0	0	0	0	0	0	0
7A	DUAL II MAGNUM	1.60	LAA	9	0	91	93	98	89	99
B	NORTHSTAR 47.4	0.148	LAA	12						
C	COC	1.25	PMV	12						
D	AM. SULFATE	12.50	PMG	12						
8A	DUAL II MAGNUM	1.60	LAA	9	2	96	83	99	83	99
B	SPIRIT 57WG	0.036	LAA	12						
C	COC	1.25	PMV	12						
D	AM. SULFATE	12.50	PMG	12						
9A	DUAL II MAGNUM	1.60	LAA	9	0	97	99	97	75	95
B	ROUNDUP ULTRA	0.56	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
10A	FRONTIER 6.0EC	1.50	LAA	9	17	89	99	99	96	99
B	MARKSMAN SC	1.40	LAA	12						
11A	LEADOFF 5SE	0.94	LAA	9	7	92	99	93	90	96
B	BASIS GOLD 90D	0.79	LAA	12						
C	COC	1.00	PMV	12						
D	28% UAN	2.50	PMV	12						
12A	FULTIME 4SC	3.50	LAA	9	0	98	99	96	92	99
B	HORNET 85.6WG	0.128	LAA	12						
13A	HARNESS EXTRA	3.64	LAA	9	0	96	99	99	87	99
14A	HARNESS (7EC)	2.00	LAA	9	0	99	99	98	73	90
B	ROUNDUP ULTRA	0.56	LAA	12						
C	AM. SULFATE	8.50	PMG	12						
15A	FRONTIER 6.0EC	1.50	LAA	9	13	94	99	99	95	98
B	DISTINCT 70WG	0.26	LAA	12						
C	ACTIVATE PLUS	0.25	PMV	12						
D	28% UAN	2.50	PMV	12						
16A	BALANCE 75WG	0.094	LAA	9	0	95	99	99	90	96
B	ATRAZINE DF	1.50	LAA	9						
17A	BICEP II MAGNU	3.20	LAA	9	0	92	99	97	80	97
B	HORNET 85.6WG	0.107	LAA	9						
18A	BICEP II MAGNU	3.20	LAA	9	0	96	99	93	88	99
B	PYTHON 80WG	0.04	LAA	9						
19A	BICEP II MAGNU	2.75	LAA	9	0	98	99	98	94	99
B	BALANCE 75WG	0.094	LAA	9						

TITLE: CNOVSYS1 WEED CONTROL SYSTEMS IN RREADY CORN AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		ZEAMD	SETFA	CHEAL	ABUTH	PHBPU	POLPY
		RATE	UNIT TM	CON % 07/02/99	CON % 07/02/99	CON % 07/02/99	CON % 07/02/99	CON % 07/02/99	CON % 07/02/99
20A	ROUNDUP ULTRA	0.75	LAA 12	0	99	99	99	90	99
	B AM. SULFATE	8.50	PMG 12						
21A	HARNESS XTRA	1.82	LAA 9	0	99	99	99	90	99
	B ROUNDUP ULTRA	0.56	LAA 13						
	C AM. SULFATE	8.50	PMG 13						
22A	ROUNDUP ULTRA	0.56	LAA 11	5	99	99	99	85	99
	B AM. SULFATE	8.50	PMG 11						
	C ROUNDUP ULTRA	0.56	LAA 13						
	D AM. SULFATE	8.50	PMG 13						
23A»	ICIA5676/ZA129	2.19	LAA 9	0	99	99	99	88	99
24A»	ICIA5676/ZA129	1.10	LAA 9	0	99	99	99	92	99
	B ROUNDUP ULTRA	0.56	LAA 13						
	C AM. SULFATE	8.50	PMG 13						
		LSD (0.05)		3.00	5.88	5.77	3.88	8.29	4.32
		STANDARD DEVIATION		1.52	2.94	2.88	1.94	4.15	2.16

TITLE: CNOVSYS1 WEED CONTROL SYSTEMS IN RREADY CORN AS-200
CREATED: 04/02/1999 **REVISED:** 11/05/1999 **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		YIELD BU/A 09/21/99
		RATE	UNIT	
1A	DUAL II MAGNUM	1.60	LAA 6	178.7
B	NORTHSTAR 47.4	0.148	LAA 12	
C	COC	1.25	PMV 12	
D	AM. SULFATE	12.50	PMG 12	
2A	DUAL II MAGNUM	1.60	LAA 6	196.0
B	SPIRIT 57WG	0.036	LAA 12	
C	COC	1.25	PMV 12	
D	AM. SULFATE	12.50	PMG 12	
3A	BICEP II MAGNU	3.20	LAA 9	201.8
4A	BICEP TR 4.59L	4.59	LAA 9	200.4
5A	BICEP II MAGNU	3.20	LAA 9	188.6
B	NORTHSTAR 47.4	0.148	LAA 11	
C	COC	1.25	PMV 11	
D	AM. SULFATE	12.50	PMG 11	
6A	CHECK	0.00	NA 0	177.0
7A	DUAL II MAGNUM	1.60	LAA 9	196.3
B	NORTHSTAR 47.4	0.148	LAA 12	
C	COC	1.25	PMV 12	
D	AM. SULFATE	12.50	PMG 12	
8A	DUAL II MAGNUM	1.60	LAA 9	196.1
B	SPIRIT 57WG	0.036	LAA 12	
C	COC	1.25	PMV 12	
D	AM. SULFATE	12.50	PMG 12	
9A	DUAL II MAGNUM	1.60	LAA 9	196.7
B	ROUNDUP ULTRA	0.56	LAA 12	
C	AM. SULFATE	8.50	PMG 12	
10A	FRONTIER 6.0EC	1.50	LAA 9	175.1
B	MARKSMAN SC	1.40	LAA 12	
11A	LEADOFF 5SE	0.94	LAA 9	198.3
B	BASIS GOLD 90D	0.79	LAA 12	
C	COC	1.00	PMV 12	
D	28% UAN	2.50	PMV 12	
12A	FULTIME 4SC	3.50	LAA 9	201.6
B	HORNET 85.6WG	0.128	LAA 12	
13A	HARNESS EXTRA	3.64	LAA 9	194.3
14A	HARNESS (7EC)	2.00	LAA 9	201.4
B	ROUNDUP ULTRA	0.56	LAA 12	
C	AM. SULFATE	8.50	PMG 12	
15A	FRONTIER 6.0EC	1.50	LAA 9	183.5
B	DISTINCT 70WG	0.26	LAA 12	
C	ACTIVATE PLUS	0.25	PMV 12	
D	28% UAN	2.50	PMV 12	
16A	BALANCE 75WG	0.094	LAA 9	190.2
B	ATRAZINE DF	1.50	LAA 9	
17A	BICEP II MAGNU	3.20	LAA 9	196.4
B	HORNET 85.6WG	0.107	LAA 9	
18A	BICEP II MAGNU	3.20	LAA 9	192.7
B	PYTHON 80WG	0.04	LAA 9	
19A	BICEP II MAGNU	2.75	LAA 9	201.0
B	BALANCE 75WG	0.094	LAA 9	

TITLE: CNOVSYS1 WEED CONTROL SYSTEMS IN RREADY CORN AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		YIELD BU/A 09/21/99
		RATE	UNIT TM	
20A	ROUNDUP ULTRA	0.75	LAA 12	192.9
	B AM. SULFATE	8.50	PMG 12	
21A	HARNESS XTRA	1.82	LAA 9	193.7
	B ROUNDUP ULTRA	0.56	LAA 13	
	C AM. SULFATE	8.50	PMG 13	
22A	ROUNDUP ULTRA	0.56	LAA 11	192.5
	B AM. SULFATE	8.50	PMG 11	
	C ROUNDUP ULTRA	0.56	LAA 13	
	D AM. SULFATE	8.50	PMG 13	
23A»	ICIA5676/ZA129	2.19	LAA 9	203.8
24A»	ICIA5676/ZA129	1.10	LAA 9	204.1
	B ROUNDUP ULTRA	0.56	LAA 13	
	C AM. SULFATE	8.50	PMG 13	
		LSD (0.05)		14.92
		STANDARD DEVIATION		7.46

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 06 = ----- / EPP 7DBP 04/22/1999(1)
- 09 = ----- / PREEMERGENCE 05/01/1999(2)
- 11 = ----- / EPOST 05/28/1999(3)
- 12 = ----- / POST 06/07/1999(4)
- 13 = ----- / LPOST 06/11/1999(5)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	CON %	06/17/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/17/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/17/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/17/1999	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	06/17/1999	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	POLPY	CON %	06/17/1999	06	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	07/02/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	07/02/1999	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	07/02/1999	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ABUTH	CON %	07/02/1999	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	PHBPU	CON %	07/02/1999	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	POLPY	CON %	07/02/1999	06	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	YIELD	BU/A	09/21/1999	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = DEKALB 589RR