

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.3
 %OM: 4.7
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE:
 PLOT WIDTH: 10 X 36 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	11	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04/28/00	05/31/00	AME
AIR TEMPERATURE	75	88	F
% REL.HUMIDITY	30	80	
WIND DIRECTION	NORTH	SOUTHWEST	
WIND SPEED	2.0	3.0	M/H
CLOUD COVER	CLOUDY	PARTCLDY	
DEW	---	MOIST	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	
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		---/13	
PIONEER 33G27		6.00/6.00	IN
04/28/2000			
*** PEST ***			
VELVETLEAF		---/13	
		3.00/3.00	IN
LAMBSQUARTERS, C		---/15	
		2.00/2.00	IN
JIMSONWEED		---/12	
		2.00/2.00	IN
FOXTAIL, GIANT		---/12	
		2.00/2.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
 11 = ----- / EPOST

* STAGE CODE

12 = 2 LEAVES UNFOLDED
 13 = 3 LEAVES UNFOLDED
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: CNOVSYS2 WEED CONTROL SYSTEMS IN CORN-NOVARTIS C-400
CREATED: 04/11/2000 **REVISED:** 11/09/2000 **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	ZEAMD 05/18/00	SETFA 05/18/00	ABUTH 05/18/00	CHEAL 05/18/00	DATST 05/18/00	ZEAMD 06/12/00
		RATE	UNIT							
1A»	DUAL II MAGNUM	1.90	LAA 9		0	93	92	99	85	0
B»	NORTHSTAR 47.4	0.148	LAA 11							
C»	ACTIVATOR 90	0.25	PMV 11							
D	AM. SULFATE	12.50	PMG 11							
2A»	DUAL II MAGNUM	1.90	LAA 9		0	96	90	95	82	0
B»	SPIRIT 57WG	0.036	LAA 11							
C»	COC	1.25	PMV 11							
D	AM. SULFATE	12.50	PMG 11							
3A»	BICEP LITE II	3.30	LAA 9		0	99	95	99	98	0
B»	NORTHSTAR 47.4	0.148	LAA 11							
C»	ACTIVATOR 90	0.25	PMV 11							
D	AM. SULFATE	12.50	PMG 11							
4A	CHECK	0.00	NA 0		0	0	0	0	0	0
5A»	BICEP LITE II	3.30	LAA 9		0	94	92	99	95	0
B»	SPIRIT 57WG	0.036	LAA 11							
C»	COC	1.25	PMV 11							
D	AM. SULFATE	12.50	PMG 11							
6A»	FRONTIER 6.0EC	1.50	LAA 9		0	93	90	98	88	0
B	CLARITY	0.25	LAA 11							
C»	ACTIVATOR 90	0.25	PMV 11							
D	AM. SULFATE	12.50	PMG 11							
7A»	FRONTIER 6.0EC	1.50	LAA 9		0	96	92	96	93	0
B	MARKSMAN SC	1.20	LAA 11							
C»	ACTIVATOR 90	0.25	PMV 11							
D	AM. SULFATE	12.50	PMG 11							
8A»	FRONTIER 6.0EC	1.50	LAA 9		0	95	95	98	87	0
B»	DISTINCT 70WG	0.262	LAA 11							
C»	ACTIVATOR 90	0.25	PMV 11							
D	AM. SULFATE	12.50	PMG 11							
9A	TOPNOTCH (3.2C	2.40	LAA 9		0	99	93	99	90	0
B»	HORNET 68.5WG	0.128	LAA 11							
C»	ACTIVATOR 90	0.25	PMV 11							
D	AM. SULFATE	12.50	PMG 11							
10A	HARNESS XTRA	3.00	LAA 9		0	93	95	99	99	0
B	PERMIT (75WG)	0.032	LAA 11							
C»	COC	1.25	PMV 11							
D	AM. SULFATE	12.50	PMG 11							
11A»	LEADOFF 5SE	0.94	LAA 9		0	95	93	99	93	0
B»	ACCENT GOLD 83	0.152	LAA 0							
C»	DPX79406 75DF	0.024	LAA 11							
D»	HORNET 68.5WG	0.128	LAA 11							
E»	ACTIVATOR 90	0.25	PMV 11							
F	AM. SULFATE	12.50	PMG 11							
12A»	LEADOFF 5SE	0.94	LAA 9		0	92	93	98	92	0
B»	BASIS GOLD 90D	0.79	LAA 11							
C»	COC	1.25	PMV 11							
D	AM. SULFATE	12.50	PMG 11							
13A»	DEGREE 3.8SC	2.37	LAA 9		0	99	92	99	93	0
B	PERMIT (75WG)	0.032	LAA 11							
C»	COC	1.25	PMV 11							
D	AM. SULFATE	12.50	PMG 11							
14A»	DUAL II MAGNUM	1.90	LAA 9		0	92	93	96	87	0
B	MARKSMAN SC	1.40	LAA 11							

TITLE: CNOVSYS2 WEED CONTROL SYSTEMS IN CORN-NOVARTIS C-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD 05/18/00	SETFA 05/18/00	ABUTH 05/18/00	CHEAL 05/18/00	DATST 05/18/00	ZEAMD 06/12/00
		RATE	UNIT							
15A	TOPNOTCH (3.2C	2.40	LAA	9	0	98	93	99	92	0
	B»ZA1296 4SC	0.094	LAA	11						
	C»COC	1.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
16A»	BICEP II MAGNU	2.68	LAA	9	0	92	93	99	96	0
	B»ZA1296 4SC	0.094	LAA	11						
	C»COC	1.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
17A»	FULTIME 4SC	2.63	LAA	9	0	98	95	99	98	0
	B»ZA1296 4SC	0.094	LAA	11						
	C»COC	1.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
18A»	DUAL II MAGNUM	1.90	LAA	9	0	92	93	96	87	0
	B»ZA1296 4SC	0.094	LAA	11						
	C»COC	1.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
LSD (0.05)					0.00	6.25	3.74	3.53	5.08	0.00
STANDARD DEVIATION					0.00	3.09	1.85	1.75	2.51	0.00

TITLE: CNOVSYS2 WEED CONTROL SYSTEMS IN CORN-NOVARTIS C-400
CREATED: 04/11/2000 **REVISED:** 11/09/2000 **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	SETFA	ABUTH	CHEAL	DATST	ZEAMD	SETFA
		RATE	UNIT		06/12/00	06/12/00	06/12/00	06/12/00	07/03/00	07/03/00
1A»	DUAL II MAGNUM	1.90	LAA	9	98	93	98	99	0	94
B»	NORTHSTAR 47.4	0.148	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
D	AM. SULFATE	12.50	PMG	11						
2A»	DUAL II MAGNUM	1.90	LAA	9	99	98	93	99	0	93
B»	SPIRIT 57WG	0.036	LAA	11						
C»	COC	1.25	PMV	11						
D	AM. SULFATE	12.50	PMG	11						
3A»	BICEP LITE II	3.30	LAA	9	96	96	99	99	0	96
B»	NORTHSTAR 47.4	0.148	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
D	AM. SULFATE	12.50	PMG	11						
4A	CHECK	0.00	NA	0	0	0	0	0	0	0
5A»	BICEP LITE II	3.30	LAA	9	98	96	99	99	0	92
B»	SPIRIT 57WG	0.036	LAA	11						
C»	COC	1.25	PMV	11						
D	AM. SULFATE	12.50	PMG	11						
6A»	FRONTIER 6.0EC	1.50	LAA	9	96	95	99	99	0	92
B	CLARITY	0.25	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
D	AM. SULFATE	12.50	PMG	11						
7A»	FRONTIER 6.0EC	1.50	LAA	9	98	99	99	99	0	98
B	MARKSMAN SC	1.20	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
D	AM. SULFATE	12.50	PMG	11						
8A»	FRONTIER 6.0EC	1.50	LAA	9	96	98	98	98	0	97
B»	DISTINCT 70WG	0.262	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
D	AM. SULFATE	12.50	PMG	11						
9A	TOPNOTCH (3.2C	2.40	LAA	9	95	98	98	99	0	95
B»	HORNET 68.5WG	0.128	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
D	AM. SULFATE	12.50	PMG	11						
10A	HARNESS XTRA	3.00	LAA	9	95	99	99	99	0	92
B	PERMIT (75WG)	0.032	LAA	11						
C»	COC	1.25	PMV	11						
D	AM. SULFATE	12.50	PMG	11						
11A»	LEADOFF 5SE	0.94	LAA	9	96	96	98	99	0	96
B»	ACCENT GOLD 83	0.152	LAA	0						
C»	DPX79406 75DF	0.024	LAA	11						
D»	HORNET 68.5WG	0.128	LAA	11						
E»	ACTIVATOR 90	0.25	PMV	11						
F	AM. SULFATE	12.50	PMG	11						
12A»	LEADOFF 5SE	0.94	LAA	9	96	95	99	99	0	96
B»	BASIS GOLD 90D	0.79	LAA	11						
C»	COC	1.25	PMV	11						
D	AM. SULFATE	12.50	PMG	11						
13A»	DEGREE 3.8SC	2.37	LAA	9	95	99	96	99	0	93
B	PERMIT (75WG)	0.032	LAA	11						
C»	COC	1.25	PMV	11						
D	AM. SULFATE	12.50	PMG	11						
14A»	DUAL II MAGNUM	1.90	LAA	9	98	99	99	99	0	95
B	MARKSMAN SC	1.40	LAA	11						

TITLE: CNOVSYS2 WEED CONTROL SYSTEMS IN CORN-NOVARTIS C-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA 06/12/00	ABUTH 06/12/00	CHEAL 06/12/00	DATST 06/12/00	ZEAMD 07/03/00	SETFA 07/03/00
		RATE	UNIT							
15A	TOPNOTCH (3.2C	2.40	LAA	9	99	99	99	99	0	96
	B»ZA1296 4SC	0.094	LAA	11						
	C»COC	1.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
16A	BICEP II MAGNU	2.68	LAA	9	98	99	99	99	0	93
	B»ZA1296 4SC	0.094	LAA	11						
	C»COC	1.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
17A	FULTIME 4SC	2.63	LAA	9	96	98	99	99	0	96
	B»ZA1296 4SC	0.094	LAA	11						
	C»COC	1.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
18A	DUAL II MAGNUM	1.90	LAA	9	99	99	99	99	0	90
	B»ZA1296 4SC	0.094	LAA	11						
	C»COC	1.25	PMV	11						
	D 28% UAN	2.50	PMV	11						
LSD (0.05)					3.55	2.40	2.36	0.898	0.00	4.00
STANDARD DEVIATION					1.76	1.19	1.17	0.444	0.00	2.00

TITLE: CNOVSYS2 WEED CONTROL SYSTEMS IN CORN-NOVARTIS C-400
CREATED: 04/11/2000 **REVISED:** 11/09/2000 **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	ABUTH 07/03/00	CHEAL 07/03/00	DATST 07/03/00	YIELD BU/A 10/02/00
		RATE	UNIT					
1A»	DUAL II MAGNUM	1.90	LAA 9		93	98	99	188.7
	B»NORTHSTAR 47.4	0.148	LAA 11					
	C»ACTIVATOR 90	0.25	PMV 11					
	D AM. SULFATE	12.50	PMG 11					
2A»	DUAL II MAGNUM	1.90	LAA 9		96	90	99	191.9
	B»SPIRIT 57WG	0.036	LAA 11					
	C»COC	1.25	PMV 11					
	D AM. SULFATE	12.50	PMG 11					
3A»	BICEP LITE II	3.30	LAA 9		95	99	99	190.1
	B»NORTHSTAR 47.4	0.148	LAA 11					
	C»ACTIVATOR 90	0.25	PMV 11					
	D AM. SULFATE	12.50	PMG 11					
4A	CHECK	0.00	NA 0		0	0	0	129.5
5A»	BICEP LITE II	3.30	LAA 9		96	99	99	188.3
	B»SPIRIT 57WG	0.036	LAA 11					
	C»COC	1.25	PMV 11					
	D AM. SULFATE	12.50	PMG 11					
6A»	FRONTIER 6.0EC	1.50	LAA 9		98	99	99	179.0
	B CLARITY	0.25	LAA 11					
	C»ACTIVATOR 90	0.25	PMV 11					
	D AM. SULFATE	12.50	PMG 11					
7A»	FRONTIER 6.0EC	1.50	LAA 9		99	99	99	181.0
	B MARKSMAN SC	1.20	LAA 11					
	C»ACTIVATOR 90	0.25	PMV 11					
	D AM. SULFATE	12.50	PMG 11					
8A»	FRONTIER 6.0EC	1.50	LAA 9		99	99	99	179.7
	B»DISTINCT 70WG	0.262	LAA 11					
	C»ACTIVATOR 90	0.25	PMV 11					
	D AM. SULFATE	12.50	PMG 11					
9A	TOPNOTCH (3.2C	2.40	LAA 9		98	96	99	192.1
	B»HORNET 68.5WG	0.128	LAA 11					
	C»ACTIVATOR 90	0.25	PMV 11					
	D AM. SULFATE	12.50	PMG 11					
10A	HARNESS XTRA	3.00	LAA 9		99	99	99	189.8
	B PERMIT (75WG)	0.032	LAA 11					
	C»COC	1.25	PMV 11					
	D AM. SULFATE	12.50	PMG 11					
11A»	LEADOFF 5SE	0.94	LAA 9		98	99	99	181.6
	B»ACCENT GOLD 83	0.152	LAA 0					
	C»DPX79406 75DF	0.024	LAA 11					
	D»HORNET 68.5WG	0.128	LAA 11					
	E»ACTIVATOR 90	0.25	PMV 11					
	F AM. SULFATE	12.50	PMG 11					
12A»	LEADOFF 5SE	0.94	LAA 9		98	99	99	185.5
	B»BASIS GOLD 90D	0.79	LAA 11					
	C»COC	1.25	PMV 11					
	D AM. SULFATE	12.50	PMG 11					
13A»	DEGREE 3.8SC	2.37	LAA 9		99	95	99	183.6
	B PERMIT (75WG)	0.032	LAA 11					
	C»COC	1.25	PMV 11					
	D AM. SULFATE	12.50	PMG 11					
14A»	DUAL II MAGNUM	1.90	LAA 9		99	99	99	183.0
	B MARKSMAN SC	1.40	LAA 11					

TITLE: CNOVSYS2 WEED CONTROL SYSTEMS IN CORN-NOVARTIS C-400

TRT	TREATMENT	DOSAGE		ABUTH	CHEAL	DATST	YIELD
NUM	COMPONENT	RATE	UNIT	TM	07/03/00	07/03/00	BU/A
							10/02/00
15A	TOPNOTCH (3.2C	2.40	LAA	9	99	99	187.6
	B»ZA1296 4SC	0.094	LAA	11			
	C»COC	1.25	PMV	11			
	D 28% UAN	2.50	PMV	11			
16A	BICEP II MAGNU	2.68	LAA	9	99	99	186.0
	B»ZA1296 4SC	0.094	LAA	11			
	C»COC	1.25	PMV	11			
	D 28% UAN	2.50	PMV	11			
17A	FULTIME 4SC	2.63	LAA	9	98	99	187.8
	B»ZA1296 4SC	0.094	LAA	11			
	C»COC	1.25	PMV	11			
	D 28% UAN	2.50	PMV	11			
18A	DUAL II MAGNUM	1.90	LAA	9	98	96	190.3
	B»ZA1296 4SC	0.094	LAA	11			
	C»COC	1.25	PMV	11			
	D 28% UAN	2.50	PMV	11			
	LSD (0.05)				3.35	3.35	0.00
	STANDARD DEVIATION				1.66	1.66	0.00
							15.88
							7.86

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

09 = ----- / PREEMERGENCE 04/28/2000(1)

11 = ----- / EPOST 05/31/2000(2)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD		05/18/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA		05/18/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ABUTH		05/18/2000	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL		05/18/2000	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	DATST		05/18/2000	05	P	DATST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD		06/12/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA		06/12/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ABUTH		06/12/2000	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL		06/12/2000	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	DATST		06/12/2000	05	P	DATST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD		07/03/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA		07/03/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ABUTH		07/03/2000	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	CHEAL		07/03/2000	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	DATST		07/03/2000	05	P	DATST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	YIELD	BU/A	10/02/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 33G27