

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.2  
 %OM: 4.7  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE:  
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	04	06	13	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04/10/00	05/05/00	06/19/00	AME
AIR TEMPERATURE	55	73	82	F
% REL.HUMIDITY	40	70	70	
WIND DIRECTION	EAST	SOUTH	SOUTHEAST	
WIND SPEED	7.0	7.0	3.0	M/H
CLOUD COVER	CLOUDY	PARTCLDY	PARTCLDY	
DEW	NO	MOIST	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT		---	---	
DEN/ STG/ MINMAXSZ				
*** CROP ***				
SOYBEAN			---/13	
PIONEER 94B01RR			6.00/6.00	IN
05/17/2000				
*** PEST ***				
LAMBSQUARTERS, C	---/16	---/19	---/19	
	1.00/1.00	5.00/5.00	8.00/8.00	IN
HORSEWEED	---/18	---/19	---/19	
	2.00/2.00	4.00/4.00	8.00/8.00	IN
CHICKWEED, COMMO	---/19	---/19	---/19	
	2.00/2.00	4.00/4.00	6.00/6.00	IN
DANDELION, COMMO	---/18	---/19	---/19	
	2.00/2.00	6.00/6.00	20.0/20.0	IN

## \* TIMING CODES

04 = ----- / EPP 30DBP  
 06 = ----- / EPP 7DBP  
 13 = ----- / LPOST

## \* STAGE CODE

13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** SEPPNT1 EPP SYSTEMS IN NOTILL RR SOYBEAN C-600W  
**CREATED:** 04/05/2000 **REVISED:** 10/31/2000 **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	STEME	TAROF	ERICA	CHEAL	STEME	TAROF
		RATE	UNIT		05/19/00	05/19/00	05/19/00	05/19/00	06/06/00	06/06/00
1A	»DOMAIN 60DF	0.488	LAA	4	88	90	90	99	85	80
	B (G)2,4-D-ESTER	0.50	LAA	4						
	C»COC	1.00	PMV	4						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						
2A	»DOMAIN 60DF	0.60	LAA	4	80	82	86	99	70	73
	B (G)2,4-D-ESTER	0.50	LAA	4						
	C»COC	1.00	PMV	4						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						
3A	»BOUNDARY 7.8L	1.46	LAA	4	90	90	96	99	88	83
	B (G)2,4-D-ESTER	0.50	LAA	4						
	C»COC	1.00	PMV	4						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						
4A	»BOUNDARY 7.8L	2.44	LAA	4	93	83	96	99	92	73
	B (G)2,4-D-ESTER	0.50	LAA	4						
	C»COC	1.00	PMV	4						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						
5A	»DOMAIN 60DF	0.375	LAA	6	99	96	98	99	99	93
	B ROUNDUP ULTRA	0.56	LAA	6						
	C AM. SULFATE	8.50	PMG	6						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						
6A	»DOMAIN 60DF	0.488	LAA	6	99	95	99	99	99	95
	B ROUNDUP ULTRA	0.56	LAA	6						
	C AM. SULFATE	8.50	PMG	6						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						
7A	CHECK	0.00	NA	0	0	0	0	0	0	0
8A	»BOUNDARY 7.8L	1.22	LAA	6	99	95	99	99	99	95
	B ROUNDUP ULTRA	0.56	LAA	6						
	C AM. SULFATE	8.50	PMG	6						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						
9A	»BOUNDARY 7.8L	1.46	LAA	6	99	95	96	99	99	95
	B ROUNDUP ULTRA	0.56	LAA	6						
	C AM. SULFATE	8.50	PMG	6						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						
10A	»SENCOR 75WG	0.28	LAA	6	99	95	99	99	99	95
	B»AUTHORITY	0.094	LAA	6						
	C ROUNDUP ULTRA	0.56	LAA	6						
	D AM. SULFATE	8.50	PMG	6						
	E ROUNDUP ULTRA	0.56	LAA	13						
	F AM. SULFATE	8.50	PMG	13						
11A	»AXIOM	0.64	LAA	6	98	95	99	99	98	95
	B»AUTHORITY	0.23	LAA	6						
	C ROUNDUP ULTRA	0.56	LAA	6						
	D AM. SULFATE	8.50	PMG	6						
	E ROUNDUP ULTRA	0.56	LAA	13						
	F AM. SULFATE	8.50	PMG	13						
12A	»PYTHON 80WG	0.04	LAA	6	93	90	99	99	90	90
	B (G)2,4-D-ESTER	0.50	LAA	6						
	C»COC	1.00	PMV	6						
	D»GLYPHOMAX PLUS	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						

## TITLE: SEPPNT1 EPP SYSTEMS IN NOTILL RR SOYBEAN C-600W

TRT NUM	TREATMENT COMPONENT	DOSAGE		STEME TM	TAROF 05/19/00	ERICA 05/19/00	CHEAL 05/19/00	STEME 06/06/00	TAROF 06/06/00	
		RATE	UNIT							
13A	»PYTHON 80WG	0.04	LAA 6	6	99	92	98	99	99	88
	B SENCOR 75WG	0.141	LAA 6	6						
	C (G)2,4-D-ESTER	0.50	LAA 6	6						
	D»COC	1.00	PMV 6	6						
	E»GLYPHOMAX PLUS	0.56	LAA 13	13						
	F AM. SULFATE	8.50	PMG 13	13						
14A	»PYTHON 80WG	0.04	LAA 6	6	99	95	99	99	99	92
	B»GLYPHOMAX PLUS	0.75	LAA 6	6						
	C (G)2,4-D-ESTER	0.50	LAA 6	6						
	D AM. SULFATE	8.50	PMG 6	6						
	E»GLYPHOMAX PLUS	0.56	LAA 13	13						
	F AM. SULFATE	8.50	PMG 13	13						
15A	»PYTHON 80WG	0.05	LAA 6	6	99	92	99	99	99	90
	B SENCOR 75WG	0.141	LAA 6	6						
	C (G)2,4-D-ESTER	0.50	LAA 6	6						
	D»COC	1.00	PMV 6	6						
	E»GLYPHOMAX PLUS	0.56	LAA 13	13						
	F AM. SULFATE	8.50	PMG 13	13						
16A	»FIRSTRATE 84WG	0.016	LAA 6	6	99	92	99	99	99	88
	B SENCOR 75WG	0.141	LAA 6	6						
	C (G)2,4-D-ESTER	0.50	LAA 6	6						
	D»COC	1.00	PMV 6	6						
	E»GLYPHOMAX PLUS	0.56	LAA 13	13						
	F AM. SULFATE	8.50	PMG 13	13						
17A	CANOPY 75WG	0.188	LAA 6	6	96	96	98	99	95	93
	B (G)2,4-D-ESTER	0.50	LAA 6	6						
	C»COC	1.00	PMV 6	6						
	D»GLYPHOMAX PLUS	0.56	LAA 13	13						
	E AM. SULFATE	8.50	PMG 13	13						
18A	»DOMAIN 60DF	0.375	LAA 6	6	99	88	99	99	99	85
	B (G)2,4-D-ESTER	0.50	LAA 6	6						
	C»COC	1.00	PMV 6	6						
	D»GLYPHOMAX PLUS	0.56	LAA 13	13						
	E AM. SULFATE	8.50	PMG 13	13						
19A	»GLYPHOMAX PLUS	0.75	LAA 6	6	82	93	99	99	75	88
	B (G)2,4-D-ESTER	0.50	LAA 6	6						
	C AM. SULFATE	8.50	PMG 6	6						
	D»GLYPHOMAX PLUS	0.56	LAA 13	13						
	E AM. SULFATE	8.50	PMG 13	13						
20A	»EXTREME 2.17L	0.813	LAA 6	6	99	98	99	99	99	93
	B»ACTIVATOR 90	0.125	PMV 6	6						
	C AM. SULFATE	15.00	PMG 6	6						
	D ROUNDUP ULTRA	0.56	LAA 13	13						
	E AM. SULFATE	8.50	PMG 13	13						
		LSD (0.05)			4.33	3.25	4.41	0.00	5.75	5.44
		STANDARD DEVIATION			2.14	1.61	2.18	0.00	2.84	2.69

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**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	ERICA	CHEAL	STEME	TAROF	ERICA	CHEAL
		RATE	UNIT		06/06/00	06/06/00	06/17/00	06/17/00	06/17/00	06/17/00
1A	»DOMAIN 60DF	0.488	LAA	4	85	99	70	57	87	99
	B (G)2,4-D-ESTER	0.50	LAA	4						
	C»COC	1.00	PMV	4						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						
2A	»DOMAIN 60DF	0.60	LAA	4	80	99	70	20	72	96
	B (G)2,4-D-ESTER	0.50	LAA	4						
	C»COC	1.00	PMV	4						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						
3A	»BOUNDARY 7.8L	1.46	LAA	4	96	99	67	0	83	99
	B (G)2,4-D-ESTER	0.50	LAA	4						
	C»COC	1.00	PMV	4						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						
4A	»BOUNDARY 7.8L	2.44	LAA	4	96	99	86	7	94	97
	B (G)2,4-D-ESTER	0.50	LAA	4						
	C»COC	1.00	PMV	4						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						
5A	»DOMAIN 60DF	0.375	LAA	6	96	99	99	75	98	70
	B ROUNDUP ULTRA	0.56	LAA	6						
	C AM. SULFATE	8.50	PMG	6						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						
6A	»DOMAIN 60DF	0.488	LAA	6	98	99	99	63	98	68
	B ROUNDUP ULTRA	0.56	LAA	6						
	C AM. SULFATE	8.50	PMG	6						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						
7A	CHECK	0.00	NA	0	0	0	0	0	0	0
8A	»BOUNDARY 7.8L	1.22	LAA	6	99	99	99	55	96	70
	B ROUNDUP ULTRA	0.56	LAA	6						
	C AM. SULFATE	8.50	PMG	6						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						
9A	»BOUNDARY 7.8L	1.46	LAA	6	95	99	98	73	88	87
	B ROUNDUP ULTRA	0.56	LAA	6						
	C AM. SULFATE	8.50	PMG	6						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						
10A	»SENCOR 75WG	0.28	LAA	6	99	99	99	67	99	99
	B»AUTHORITY	0.094	LAA	6						
	C ROUNDUP ULTRA	0.56	LAA	6						
	D AM. SULFATE	8.50	PMG	6						
	E ROUNDUP ULTRA	0.56	LAA	13						
	F AM. SULFATE	8.50	PMG	13						
11A	»AXIOM	0.64	LAA	6	98	99	96	65	98	96
	B»AUTHORITY	0.23	LAA	6						
	C ROUNDUP ULTRA	0.56	LAA	6						
	D AM. SULFATE	8.50	PMG	6						
	E ROUNDUP ULTRA	0.56	LAA	13						
	F AM. SULFATE	8.50	PMG	13						
12A	»PYTHON 80WG	0.04	LAA	6	99	99	17	13	99	99
	B (G)2,4-D-ESTER	0.50	LAA	6						
	C»COC	1.00	PMV	6						
	D»GLYPHOMAX PLUS	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						

TITLE: SEPPNT1 EPP SYSTEMS IN NOTILL RR SOYBEAN C-600W

TRT NUM	TREATMENT COMPONENT	DOSAGE			ERICA 06/06/00	CHEAL 06/06/00	STEME 06/17/00	TAROF 06/17/00	ERICA 06/17/00	CHEAL 06/17/00
		RATE	UNIT	TM						
13A»	PYTHON 80WG	0.04	LAA	6	96	99	98	0	89	96
	B SENCOR 75WG	0.141	LAA	6						
	C (G)2,4-D-ESTER	0.50	LAA	6						
	D»COC	1.00	PMV	6						
	E»GLYPHOMAX PLUS	0.56	LAA	13						
	F AM. SULFATE	8.50	PMG	13						
14A»	PYTHON 80WG	0.04	LAA	6	99	99	99	85	99	99
	B»GLYPHOMAX PLUS	0.75	LAA	6						
	C (G)2,4-D-ESTER	0.50	LAA	6						
	D AM. SULFATE	8.50	PMG	6						
	E»GLYPHOMAX PLUS	0.56	LAA	13						
	F AM. SULFATE	8.50	PMG	13						
15A»	PYTHON 80WG	0.05	LAA	6	99	99	99	63	88	99
	B SENCOR 75WG	0.141	LAA	6						
	C (G)2,4-D-ESTER	0.50	LAA	6						
	D»COC	1.00	PMV	6						
	E»GLYPHOMAX PLUS	0.56	LAA	13						
	F AM. SULFATE	8.50	PMG	13						
16A»	FIRSTRATE 84WG	0.016	LAA	6	99	99	98	30	90	86
	B SENCOR 75WG	0.141	LAA	6						
	C (G)2,4-D-ESTER	0.50	LAA	6						
	D»COC	1.00	PMV	6						
	E»GLYPHOMAX PLUS	0.56	LAA	13						
	F AM. SULFATE	8.50	PMG	13						
17A	CANOPY 75WG	0.188	LAA	6	98	99	93	82	83	95
	B (G)2,4-D-ESTER	0.50	LAA	6						
	C»COC	1.00	PMV	6						
	D»GLYPHOMAX PLUS	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						
18A»	DOMAIN 60DF	0.375	LAA	6	98	99	99	7	50	85
	B (G)2,4-D-ESTER	0.50	LAA	6						
	C»COC	1.00	PMV	6						
	D»GLYPHOMAX PLUS	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						
19A»	GLYPHOMAX PLUS	0.75	LAA	6	99	99	99	43	97	96
	B (G)2,4-D-ESTER	0.50	LAA	6						
	C AM. SULFATE	8.50	PMG	6						
	D»GLYPHOMAX PLUS	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						
20A»	EXTREME 2.17L	0.813	LAA	6	99	99	99	73	99	99
	B»ACTIVATOR 90	0.125	PMV	6						
	C AM. SULFATE	15.00	PMG	6						
	D ROUNDUP ULTRA	0.56	LAA	13						
	E AM. SULFATE	8.50	PMG	13						
		LSL (0.05)			5.39	0.00	10.59	15.47	11.14	10.66
		STANDARD DEVIATION			2.67	0.00	5.24	7.65	5.51	5.27

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 04 = ----- / EPP 30DBP 04/10/2000 (1)
- 06 = ----- / EPP 7DBP 05/05/2000 (2)
- 13 = ----- / LPOST 06/19/2000 (3)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	STEME		05/19/2000	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	TAROF		05/19/2000	03	P	TAROF		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ERICA		05/19/2000	04	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL		05/19/2000	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	STEME		06/06/2000	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	TAROF		06/06/2000	03	P	TAROF		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: SEPPNT1 EPP SYSTEMS IN NOTILL RR SOYBEAN C-600W

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
007	ERICA		06/06/2000	04	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	CHEAL		06/06/2000	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	STEME		06/17/2000	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	TAROF		06/17/2000	03	P	TAROF		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ERICA		06/17/2000	04	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	CHEAL		06/17/2000	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N