

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.2
 %OM: 6.0
 PREV.CROP: NA - NONE
 %RESIDUE: 0
 PLOT WIDTH: 10 X 40 FEET

DESIGN: RCB
 REPS: 4

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	06/19/00	AME
AIR TEMPERATURE	76	F
% REL.HUMIDITY	55	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	5.0	M/H
CLOUD COVER	CLEAR	
DEW	NO	
SOIL MOISTURE	MOIST/MOI	
SOIL CONDITION	FRIABLE	
METHOD	SPRAY	
EQUIPMENT	SPRBAC	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	6	
NOZZLE SPACING	20.000	IN
SWATH WIDTH	10.0	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	32.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	
	DN/SG/MMZ	
*** CROP ***		
RAGWEED, GIANT	HGH/16 4.00/4.00	IN
SOYBEAN	---/14	
PIONEER 92B71RR	3.50/3.50	IN
05/15/2000		
*** PEST ***		
VELVETLEAF	MED/14 3.00/3.00	IN
LAMBSQUARTERS, C	MED/14 1.50/1.50	IN
SMARTWEED, PENNS	MED/14 2.50/2.50	IN
FOXTAIL, GIANT	MED/13 2.50/2.50	IN

* TIMING CODES

12 = ----- / POST

* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: DSWDSFT VALIDATION OF A DECISION SUPPORT SYSTEM (WEEDSOFT) IN DRILLED AND 30" ROWED
SOYBEAN SW-1600

CREATED: 05/15/2000 **REVISED:** 11/27/2000

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: DEKALB

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT **WIDE X** 40.00 FT **LONG**

REPS: 04

TRT	TREATMENT	DOSAGE		TM	GLXMA	AMBTR	CHEAL	ABUTH	SETFA	POLPY
		RATE	UNIT		07/06/00	07/06/00	07/06/00	07/06/00	07/06/00	07/06/00
1A»	RAPTOR 1AS	0.039	LAA 12		6	89	95	99	98	98
	B»MSO	1.00	PMV 12							
	C 28% UAN	2.50	PMV 12							
	D»DRILLED	0.00	NA 12							
2A	CHECK	0.00	NA 0		0	0	0	0	0	0
	B»DRILLED	0.00	NA 0							
3A	POAST + 1EC	0.20	LAA 12		6	76	81	92	97	99
	B BASAGRAN 4SL	1.00	LAA 12							
	C BLAZER 2SL	0.125	LAA 12							
	D»COC	1.00	PMV 12							
	E»DRILLED	0.00	NA 12							
4A»	HAND WEEDED	0.00	NA 0		0	99	99	99	99	99
	B»DRILLED	0.00	NA 0							
5A	CHECK	0.00	NA 0		0	0	0	0	0	0
	B»DRILLED	0.00	NA 0							
6A	PINNACLE WG	0.0039	LAA 12		0	0	95	0	0	0
	B»ACTIVATOR 90	0.125	PMV 12							
	C»DRILLED	0.00	NA 12							
7A	CHECK	0.00	NA 0		0	0	0	0	0	0
	B»DRILLED	0.00	NA 0							
8A»	ROUNDUP ULTRA	0.75	LAA 12		0	93	99	96	99	99
	B AM. SULFATE	8.50	PMG 12							
	C»DRILLED	0.00	NA 12							
9A	CHECK	0.00	NA 0		0	0	0	0	0	0
	B»DRILLED	0.00	NA 0							
10A»	FLEXSTAR 1.88M	0.294	LAA 12		10	96	90	98	99	98
	B FUSION	0.208	LAA 12							
	C»MSO	1.00	PMV 12							
	D 28% UAN	2.50	PMV 12							
	E»DRILLED	0.00	NA 12							
11A»	RAPTOR 1AS	0.039	LAA 12		9	86	93	99	98	99
	B»MSO	1.00	PMV 12							
	C 28% UAN	2.50	PMV 12							
	D»30" ROWS	0.00	NA 0							
12A	CHECK	0.00	NA 0		0	0	0	0	0	0
	B»30" ROWS	0.00	NA 0							
13A	SELECT (2EC)	0.094	LAA 12		0	0	0	0	97	0
	B»COC	1.00	PMV 12							
	C»30" ROWS	0.00	NA 0							
14A»	HAND WEEDED	0.00	NA 0		0	99	99	99	99	99
	B»30" ROWS	0.00	NA 0							
15A	CHECK	0.00	NA 0		0	0	0	0	0	0
	B»30" ROWS	0.00	NA 0							
16A	BASAGRAN 4SL	1.00	LAA 12		3	69	69	94	5	99
	B BLAZER 2SL	0.25	LAA 12							
	C 28% UAN	2.50	PMV 12							
	D»30" ROWS	0.00	NA 0							
17A»	CULTIVATE	0.00	NA 12		0	60	60	60	60	60
	B»30" ROWS	0.00	NA 0							

TITLE: DSWDSFT VALIDATION OF A DECISION SUPPORT SYSTEM (WEEDSOFT) IN DRILLED AND 30" ROWED
SOYBEAN SW-1600

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	AMBTR	CHEAL	ABUTH	SETFA	POLPY
		RATE	UNIT		07/06/00	07/06/00	07/06/00	07/06/00	07/06/00	07/06/00
18A»	ROUNDUP ULTRA	0.75	LAA	12	3	90	99	98	96	93
	B AM. SULFATE	8.50	PMG	12						
	C»30" ROWS	0.00	NA	0						
19A	CHECK	0.00	NA	0	0	0	0	0	0	0
	B»30" ROWS	0.00	NA	0						
20A»	FLEXSTAR 1.88M	0.294	LAA	12	11	90	73	96	97	93
	B FUSION	0.208	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
	E»30" ROWS	0.00	NA	0						
			LSD (0.05)		3.60	4.91	11.72	1.90	3.47	3.68
			STANDARD DEVIATION		1.80	2.46	5.86	1.00	1.74	1.84

TITLE: DSWDSFT VALIDATION OF A DECISION SUPPORT SYSTEM (WEEDSOFT) IN DRILLED AND 30" ROWED
SOYBEAN SW-1600

CREATED: 05/15/2000 **REVISED:** 11/27/2000

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: DEKALB

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 10.00 FT **WIDE X** 40.00 FT **LONG**

REPS: 04

TRT	TREATMENT NUM COMPONENT	DOSAGE		TM	GLXMA	AMBTR	CHEAL	ABUTH	SETFA	POLPY
		RATE	UNIT		07/20/00	07/20/00	07/20/00	07/20/00	07/20/00	07/20/00
1A	RAPTOR 1AS	0.039	LAA	12	0	94	99	99	99	99
	B»MSO	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
	D»DRILLED	0.00	NA	12						
2A	CHECK	0.00	NA	0	0	0	0	0	0	0
	B»DRILLED	0.00	NA	0						
3A	POAST + 1EC	0.20	LAA	12	0	67	89	98	99	99
	B BASAGRAN 4SL	1.00	LAA	12						
	C BLAZER 2SL	0.125	LAA	12						
	D»COC	1.00	PMV	12						
	E»DRILLED	0.00	NA	12						
4A	HAND WEEDED	0.00	NA	0	0	99	99	99	99	99
	B»DRILLED	0.00	NA	0						
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
	B»DRILLED	0.00	NA	0						
6A	PINNACLE WG	0.0039	LAA	12	0	0	99	30	0	99
	B»ACTIVATOR 90	0.125	PMV	12						
	C»DRILLED	0.00	NA	12						
7A	CHECK	0.00	NA	0	0	0	0	0	0	0
	B»DRILLED	0.00	NA	0						
8A	ROUNDUP ULTRA	0.75	LAA	12	0	99	99	99	99	99
	B AM. SULFATE	8.50	PMG	12						
	C»DRILLED	0.00	NA	12						
9A	CHECK	0.00	NA	0	0	0	0	0	0	0
	B»DRILLED	0.00	NA	0						
10A	FLEXSTAR 1.88M	0.294	LAA	12	0	98	69	99	99	99
	B FUSION	0.208	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
	E»DRILLED	0.00	NA	12						
11A	RAPTOR 1AS	0.039	LAA	12	0	87	99	97	99	87
	B»MSO	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
	D»30" ROWS	0.00	NA	0						
12A	CHECK	0.00	NA	0	0	0	0	0	0	0
	B»30" ROWS	0.00	NA	0						
13A	SELECT (2EC)	0.094	LAA	12	0	0	0	0	99	0
	B»COC	1.00	PMV	12						
	C»30" ROWS	0.00	NA	0						
14A	HAND WEEDED	0.00	NA	0	0	99	99	99	99	99
	B»30" ROWS	0.00	NA	0						
15A	CHECK	0.00	NA	0	0	0	0	0	0	0
	B»30" ROWS	0.00	NA	0						
16A	BASAGRAN 4SL	1.00	LAA	12	0	53	75	96	30	99
	B BLAZER 2SL	0.25	LAA	12						
	C 28% UAN	2.50	PMV	12						
	D»30" ROWS	0.00	NA	0						
17A	CULTIVATE	0.00	NA	12	0	60	60	60	60	60
	B»30" ROWS	0.00	NA	0						

TITLE: DSWDSFT VALIDATION OF A DECISION SUPPORT SYSTEM (WEEDSOFT) IN DRILLED AND 30" ROWED
SOYBEAN SW-1600

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	AMBTR	CHEAL	ABUTH	SETFA	POLPY
		RATE	UNIT		07/20/00	07/20/00	07/20/00	07/20/00	07/20/00	07/20/00
18A»	ROUNDUP ULTRA	0.75	LAA	12	0	90	99	97	86	98
	B AM. SULFATE	8.50	PMG	12						
	C»30" ROWS	0.00	NA	0						
19A	CHECK	0.00	NA	0	0	0	0	0	0	0
	B»30" ROWS	0.00	NA	0						
20A»	FLEXSTAR 1.88M	0.294	LAA	12	0	87	63	96	97	93
	B FUSION	0.208	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
	E»30" ROWS	0.00	NA	0						
			LSD (0.05)		0.00	11.58	7.67	2.48	1.24	4.20
			STANDARD DEVIATION		0.00	5.79	3.84	1.24	0.621	2.10

TITLE: DSWDSFT VALIDATION OF A DECISION SUPPORT SYSTEM (WEEDSOFT) IN DRILLED AND 30" ROWED SOYBEAN SW-1600
CREATED: 05/15/2000 **REVISED:** 11/27/2000 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: DEKALB **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 40.00 FT **LONG** **REPS:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		YIELD BU/A 10/11/00
		RATE	UNIT TM	
1A	RAPTOR 1AS	0.039	LAA 12	37.4
	B»MSO	1.00	PMV 12	
	C 28% UAN	2.50	PMV 12	
	D»DRILLED	0.00	NA 12	
2A	CHECK	0.00	NA 0	30.2
	B»DRILLED	0.00	NA 0	
3A	POAST + 1EC	0.20	LAA 12	33.8
	B BASAGRAN 4SL	1.00	LAA 12	
	C BLAZER 2SL	0.125	LAA 12	
	D»COC	1.00	PMV 12	
	E»DRILLED	0.00	NA 12	
4A	HAND WEEDED	0.00	NA 0	49.5
	B»DRILLED	0.00	NA 0	
5A	CHECK	0.00	NA 0	19.2
	B»DRILLED	0.00	NA 0	
6A	PINNACLE WG	0.0039	LAA 12	32.0
	B»ACTIVATOR 90	0.125	PMV 12	
	C»DRILLED	0.00	NA 12	
7A	CHECK	0.00	NA 0	31.1
	B»DRILLED	0.00	NA 0	
8A	ROUNDUP ULTRA	0.75	LAA 12	48.3
	B AM. SULFATE	8.50	PMG 12	
	C»DRILLED	0.00	NA 12	
9A	CHECK	0.00	NA 0	30.2
	B»DRILLED	0.00	NA 0	
10A	FLEXSTAR 1.88M	0.294	LAA 12	37.4
	B FUSION	0.208	LAA 12	
	C»MSO	1.00	PMV 12	
	D 28% UAN	2.50	PMV 12	
	E»DRILLED	0.00	NA 12	
11A	RAPTOR 1AS	0.039	LAA 12	33.4
	B»MSO	1.00	PMV 12	
	C 28% UAN	2.50	PMV 12	
	D»30" ROWS	0.00	NA 0	
12A	CHECK	0.00	NA 0	7.4
	B»30" ROWS	0.00	NA 0	
13A	SELECT (2EC)	0.094	LAA 12	13.8
	B»COC	1.00	PMV 12	
	C»30" ROWS	0.00	NA 0	
14A	HAND WEEDED	0.00	NA 0	40.0
	B»30" ROWS	0.00	NA 0	
15A	CHECK	0.00	NA 0	12.4
	B»30" ROWS	0.00	NA 0	
16A	BASAGRAN 4SL	1.00	LAA 12	27.4
	B BLAZER 2SL	0.25	LAA 12	
	C 28% UAN	2.50	PMV 12	
	D»30" ROWS	0.00	NA 0	
17A	CULTIVATE	0.00	NA 12	16.6
	B»30" ROWS	0.00	NA 0	

TITLE: DSWSFT VALIDATION OF A DECISION SUPPORT SYSTEM (WEEDSOFT) IN DRILLED AND 30" ROWED SOYBEAN SW-1600

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	YIELD BU/A 10/11/00
18A»ROUNDUP ULTRA	0.75	LAA	12	22.2
B AM. SULFATE	8.50	PMG	12	
C»30" ROWS	0.00	NA	0	
19A CHECK	0.00	NA	0	11.9
B»30" ROWS	0.00	NA	0	
20A»FLEXSTAR 1.88M	0.294	LAA	12	26.4
B FUSION	0.208	LAA	12	
C»MSO	1.00	PMV	12	
D 28% UAN	2.50	PMV	12	
E»30" ROWS	0.00	NA	0	
	LSD (0.05)			10.91
	STANDARD DEVIATION			5.45

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
12 = ----- / POST 06/19/2000(1)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	GLXMA		07/06/2000	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMBTR		07/06/2000	02	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL		07/06/2000	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH		07/06/2000	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	SETFA		07/06/2000	06	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	POLPY		07/06/2000	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA		07/20/2000	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMBTR		07/20/2000	02	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL		07/20/2000	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ABUTH		07/20/2000	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	SETFA		07/20/2000	06	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	POLPY		07/20/2000	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	YIELD	BU/A	10/11/2000	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 92B71RR