

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.6  
 %OM: 4.8  
 PREV.CROP: ZEAMD - CORN, DENT  
 %RESIDUE: 0  
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	12	13	14	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06/29/01	07/12/01	07/31/01	AME
AIR TEMPERATURE	85	85	94	F
% REL.HUMIDITY	60	50	85	
WIND DIRECTION	EAST	NORTHEAST	SOUTHEAST	
WIND SPEED	3.0	3.0	1.0	M/H
CLOUD COVER	CLEAR	PARTCLDY	CLEAR	
DEW	DRY	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	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	---/19	---/63	
PIONEER 94B01RR	3.50/3.50	12.0/12.0	24.0/24.0	IN
05/29/2001				

\* TIMING CODES

12 = ----- / POST  
 13 = ----- / LPOST  
 14 = ----- / VLPOST

\* STAGE CODE

13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES  
 19 = 9 OR MORE LEAVES UNFOLDED, 8 OR MORE NODES  
 63 = 30% OF FLOWERS OPEN

## DATA MEAN

**TITLE:** USOYPGR Soybean Injury from PGR Herbicides in RRSOY C-200  
**CREATED:** 06/14/2001 **REVISED:** 11/09/2001 **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	INJURY	INJURY	INJURY	YIELD
		RATE	UNIT		14 DAT 06/13/01	28 DAT 06/27/01	42 DAT 08/10/01	BU/A 10/30/01
1A	CLARITY	0.0005	LAA	12	33	18	7	38.0
	B»ACTIVATOR 90	0.25	PMV	12				
2A	CLARITY	0.005	LAA	12	50	37	32	41.9
	B»ACTIVATOR 90	0.25	PMV	12				
3A»	DISTINCT 70WG	0.000175	LAA	12	15	7	0	36.7
	B»ACTIVATOR 90	0.25	PMV	12				
4A»	DISTINCT 70WG	0.00175	LAA	12	42	27	17	35.5
	B»ACTIVATOR 90	0.25	PMV	12				
5A	(G)2,4-D-ESTER	0.05	LAA	12	8	0	0	37.8
	B»ACTIVATOR 90	0.25	PMV	12				
6A	(G)2,4-D-ESTER	0.50	LAA	12	92	78	73	14.3
	B»ACTIVATOR 90	0.25	PMV	12				
7A	STINGER 3SL	0.00188	LAA	12	38	27	12	35.4
	B»ACTIVATOR 90	0.25	PMV	12				
8A	STINGER 3SL	0.0188	LAA	12	68	73	53	23.2
	B»ACTIVATOR 90	0.25	PMV	12				
9A	PURSUIT DG (70	0.063	LAA	12	5	2	0	36.1
	B»MSO	1.25	PMV	12				
	C 28% UAN	1.25	PMV	12				
10A	ROUNDUP ULTRA	0.75	LAA	12	0	0	0	38.8
	B AM. SULFATE	8.50	PMG	12				
11A»	FLEXSTAR 1.88M	0.294	LAA	12	12	3	0	36.8
	B»MSO	1.00	PMV	12				
	C 28% UAN	2.50	PMV	12				
12A	CHECK	0.00	NA	0	0	0	0	39.9
13A	CLARITY	0.0005	LAA	13	40	33	25	41.5
	B»ACTIVATOR 90	0.25	PMV	13				
14A	CLARITY	0.005	LAA	13	40	42	38	38.4
	B»ACTIVATOR 90	0.25	PMV	13				
15A»	DISTINCT 70WG	0.000175	LAA	13	18	23	20	40.5
	B»ACTIVATOR 90	0.25	PMV	13				
16A»	DISTINCT 70WG	0.00175	LAA	13	40	40	23	40.6
	B»ACTIVATOR 90	0.25	PMV	13				
17A	(G)2,4-D-ESTER	0.05	LAA	13	13	8	0	39.2
	B»ACTIVATOR 90	0.25	PMV	13				
18A	(G)2,4-D-ESTER	0.50	LAA	13	82	72	63	20.1
	B»ACTIVATOR 90	0.25	PMV	13				
19A	STINGER 3SL	0.00188	LAA	13	35	40	30	40.5
	B»ACTIVATOR 90	0.25	PMV	13				
20A	STINGER 3SL	0.0188	LAA	13	73	90	85	9.3
	B»ACTIVATOR 90	0.25	PMV	13				
21A	PURSUIT DG (70	0.063	LAA	13	5	0	0	34.9
	B»MSO	1.25	PMV	13				
	C 28% UAN	1.25	PMV	13				
22A	ROUNDUP ULTRA	0.75	LAA	13	0	0	0	37.3
	B AM. SULFATE	8.50	PMG	13				

DATA MEAN

TITLE: USOYPGR Soybean Injury from PGR Herbicides in RRSOY C-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	INJURY 14 DAT 06/13/01	INJURY 28 DAT 06/27/01	INJURY 42 DAT 08/10/01	YIELD BU/A 10/30/01
		RATE	UNIT					
23A»	FLEXSTAR 1.88M	0.294	LAA 13		13	0	0	38.3
	B»MSO	1.00	PMV 13					
	C 28% UAN	2.50	PMV 13					
24A	CHECK	0.00	NA 0		0	0	0	38.7
25A	CLARITY	0.0005	LAA 14		27	32		41.4
	B»ACTIVATOR 90	0.25	PMV 14					
26A	CLARITY	0.005	LAA 14		43	38		38.1
	B»ACTIVATOR 90	0.25	PMV 14					
27A»	DISTINCT 70WG	0.000175	LAA 14		17	18		38.7
	B»ACTIVATOR 90	0.25	PMV 14					
28A»	DISTINCT 70WG	0.00175	LAA 14		33	30		41.9
	B»ACTIVATOR 90	0.25	PMV 14					
29A	(G)2,4-D-ESTER	0.05	LAA 14		17	0		39.0
	B»ACTIVATOR 90	0.25	PMV 14					
30A	(G)2,4-D-ESTER	0.50	LAA 14		73	72		17.2
	B»ACTIVATOR 90	0.25	PMV 14					
31A	STINGER 3SL	0.00188	LAA 14		27	32		42.6
	B»ACTIVATOR 90	0.25	PMV 14					
32A	STINGER 3SL	0.0188	LAA 14		65	70		20.4
	B»ACTIVATOR 90	0.25	PMV 14					
33A	PURSUIT DG (70	0.063	LAA 14		0	0		38.6
	B»MSO	1.25	PMV 14					
	C 28% UAN	1.25	PMV 14					
34A	ROUNDUP ULTRA	0.75	LAA 14		5	0		39.9
	B AM. SULFATE	8.50	PMG 14					
35A»	FLEXSTAR 1.88M	0.294	LAA 14		15	0		38.5
	B»MSO	1.00	PMV 14					
	C 28% UAN	2.50	PMV 14					
36A	CHECK	0.00	NA 0		0	0		38.7
		LSD (0.05)			7.25	5.26	6.19	4.44
		STANDARD DEVIATION			3.66	2.66	3.13	2.24

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 12 = ----- / POST 06/29/2001(1)  
 13 = ----- / LPOST 07/12/2001(2)  
 14 = ----- / VLPOST 07/31/2001(3)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
01	INJURY	14 DAT	06/13/2001	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	INJURY	28 DAT	06/27/2001	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	INJURY	42 DAT	08/10/2001	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	YIELD	BU/A	10/30/2001	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 94B01RR