

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIL  
PH: 6.7  
%OM: 1.5  
PREV. CROP: ZEAMD - CORN, DENT  
%RESIDUE: 0  
PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB  
REPS: 4

| APPL. NUMBER     | 01        | 02        | 03        | 04        | 05        | UNIT |
|------------------|-----------|-----------|-----------|-----------|-----------|------|
| TIMINGS          | 10        | 11        | 12        | 13        | 14        |      |
| TYPE             | LIQMIX    | LIQMIX    | LIQMIX    | LIQMIX    | LIQMIX    |      |
| APPLICATION DATE | 06/19/03  | 06/27/03  | 07/01/03  | 07/11/03  | 07/14/03  | AME  |
| AIR TEMPERATURE  | 70        | 74        | 82        | 79        | 83        | F    |
| % REL. HUMIDITY  | 72        | 80        | 77        | 60        | 55        |      |
| WIND DIRECTION   | NORTH     | SOUTH     | SOUTH     | WEST      | SOUTH     |      |
| WIND SPEED       | 9.0       | 5.0       | 3.0       | 8.0       | 4.0       | M/H  |
| CLOUD COVER      | CLOUDY    | CLEAR     | PARTCLDY  | ---       | CLEAR     |      |
| DEW              | NO        | NO        | NO        | NO        | NO        |      |
| SOIL MOISTURE    | MOIST/DRY | DRY/MOIST | DRY/MOIST | DRY/MOIST | DRY/MOIST |      |
| SOIL CONDITION   | ---       | ---       | ---       | ---       | ---       |      |
| METHOD           | SPRAY     | SPRAY     | SPRAY     | SPRAY     | SPRAY     |      |
| EQUIPMENT        | SPRBAC    | SPRBAC    | SPRBAC    | SPRBAC    | SPRBAC    |      |
| PROPELLANT       | COMCO2    | COMCO2    | COMCO2    | COMCO2    | COMCO2    |      |
| PLACEMENT        | BRFOSO    | BRFOSO    | BRFOSO    | BRFOSO    | BRFOSO    |      |
| 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 ***     |           |           |           |           |           |      |
| SOYBEAN          | ---/12    | ---/13    | ---/14    | ---/15    | ---/16    |      |
| PIONEER 9492     | 3.00/3.00 | 4.00/4.00 | 5.00/5.00 | 6.00/6.00 | 8.00/8.00 | IN   |
| 06/04/2003       |           |           |           |           |           |      |
| *** PEST ***     |           |           |           |           |           |      |
| WATERHEMP, COMMO | ---/12    | ---/14    | ---/16    | ---/18    | ---/19    |      |
|                  | 1.00/1.00 | 1.00/3.00 | 2.00/4.00 | 4.00/6.00 | 6.00/10.0 | IN   |
| RAGWEED, COMMON  | ---/10    | ---/12    | ---/14    | ---/16    | ---/18    |      |
|                  | 0.50/0.50 | 2.00/2.00 | 2.00/4.00 | 4.00/8.00 | 6.00/10.0 | IN   |
| SHATTERCANE, SOR | ---/11    | ---/12    | ---/13    | ---/14    | ---/15    |      |
|                  | 1.00/1.00 | 2.00/3.00 | 3.00/5.00 | 4.00/8.00 | 6.00/12.0 | IN   |

## \* TIMING CODES

10 = ----- / 2" WEEDS  
11 = ----- / 4" WEEDS  
12 = ----- / 6" WEEDS  
13 = ----- / 8-10" WEEDS  
14 = ----- / 12-14" WEEDS

## \* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED  
11 = FIRST LEAF UNFOLDED  
12 = 2 LEAVES (UNIFOLIATE FIRST LEAF PAIR) UNFOLDED, 1 NODE  
13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH LEAF (3RD TRIFOLIATE LEAF) UNFOLDED, 4 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:** BT Shattercane COMP IN RRSOYS BT C11  
**CREATED:** 06/05/2003 **REVISED:** 11/25/2003 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** C-11 SHATTERCANE **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 30.00 FT LONG **REPS:** 04

| TRT | TREATMENT        | DOSAGE             |        | GLXMA    | SORVU    | AMBEL    | AMATA    |
|-----|------------------|--------------------|--------|----------|----------|----------|----------|
| NUM | COMPONENT        | RATE               | UNIT   | CON %    | CON %    | CON %    | CON %    |
|     |                  |                    | TM     | 07/29/03 | 07/29/03 | 07/29/03 | 07/29/03 |
| 1A  | CHECK            | 0.00               | NA 0   | 0        | 0        | 0        | 0        |
| 2A  | ROUNDUP ULTRA    | 0.75               | LAA 10 | 0        | 76       | 80       | 86       |
|     | B»AMMONIUM SULFA | 17.50              | PMG 10 |          |          |          |          |
| 3A  | ROUNDUP ULTRA    | 0.75               | LAA 11 | 0        | 91       | 94       | 93       |
|     | B»AMMONIUM SULFA | 17.50              | PMG 11 |          |          |          |          |
| 4A  | ROUNDUP ULTRA    | 0.75               | LAA 12 | 0        | 93       | 94       | 96       |
|     | B»AMMONIUM SULFA | 17.50              | PMG 12 |          |          |          |          |
| 5A  | ROUNDUP ULTRA    | 0.75               | LAA 13 | 0        | 99       | 96       | 99       |
|     | B»AMMONIUM SULFA | 17.50              | PMG 13 |          |          |          |          |
| 6A  | ROUNDUP ULTRA    | 0.75               | LAA 14 | 0        | 99       | 94       | 99       |
|     | B»AMMONIUM SULFA | 17.50              | PMG 14 |          |          |          |          |
| 7A  | ROUNDUP ULTRA    | 0.75               | LAA 10 | 0        | 99       | 99       | 99       |
|     | B»AMMONIUM SULFA | 17.50              | PMG 10 |          |          |          |          |
|     | C ROUNDUP ULTRA  | 0.38               | LAA 13 |          |          |          |          |
|     | D»AMMONIUM SULFA | 17.50              | PMG 13 |          |          |          |          |
|     | E»RE-INFEST      | 0.00               | NA 0   |          |          |          |          |
| 8A  | ROUNDUP ULTRA    | 0.75               | LAA 10 | 0        | 93       | 99       | 99       |
|     | B»AMMONIUM SULFA | 17.50              | PMG 10 |          |          |          |          |
|     | C ROUNDUP ULTRA  | 0.38               | LAA 12 |          |          |          |          |
|     | D»AMMONIUM SULFA | 17.50              | PMG 12 |          |          |          |          |
|     | E»RE-INFEST      | 0.00               | NA 0   |          |          |          |          |
| 9A  | ROUNDUP ULTRA    | 0.75               | LAA 10 | 0        | 89       | 96       | 96       |
|     | B»AMMONIUM SULFA | 17.50              | PMG 10 |          |          |          |          |
|     | C ROUNDUP ULTRA  | 0.38               | LAA 11 |          |          |          |          |
|     | D»AMMONIUM SULFA | 17.50              | PMG 11 |          |          |          |          |
|     | E»RE-INFEST      | 0.00               | NA 0   |          |          |          |          |
| 10A | ROUNDUP ULTRA    | 0.75               | LAA 14 | 0        | 99       | 90       | 99       |
|     | B»AMMONIUM SULFA | 17.50              | PMG 14 |          |          |          |          |
|     | C»RE-INFEST      | 0.00               | NA 0   |          |          |          |          |
|     |                  | LSD (0.05)         |        | 0.00     | 3.89     | 3.49     | 2.43     |
|     |                  | STANDARD DEVIATION |        | 0.00     | 1.90     | 1.70     | 1.18     |

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 10 = ----- / 2" WEEDS 06/19/2003 (1)  
 11 = ----- / 4" WEEDS 06/27/2003 (2)  
 12 = ----- / 6" WEEDS 07/01/2003 (3)  
 13 = ----- / 8-10" WEEDS 07/11/2003 (4)  
 14 = ----- / 12-14" WEEDS 07/14/2003 (5)

| H#  | CUSTOM#1 | CUSTOM#2 | EV. DATE   | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS   | C.M | CTR  | SS | NOTE |
|-----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|------|----|------|
| 001 | GLXMA    | CON %    | 07/29/2003 | 01 | P   | GLXMA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 002 | SORVU    | CON %    | 07/29/2003 | 02 | P   | SORVU  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 003 | AMBEL    | CON %    | 07/29/2003 | 03 | P   | AMBEL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 004 | AMATA    | CON %    | 07/29/2003 | 04 | P   | AMATA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 9492