

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.4
 %OM: 5.3
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB
 REPS: 3

| APPL. NUMBER | 01 | 02 | 03 | 04 | 05 | UNIT |
|------------------|-----------|-----------|-----------|-----------|-----------|------|
| TIMINGS | 10 | 11 | 12 | 13 | 14 | |
| TYPE | LIQMIX | LIQMIX | LIQMIX | LIQMIX | LIQMIX | |
| APPLICATION DATE | 05/06/03 | 05/19/03 | 05/30/03 | 06/11/03 | 06/18/03 | AME |
| AIR TEMPERATURE | 68 | 72 | 73 | 75 | 88 | F |
| % REL.HUMIDITY | 50 | 70 | 51 | 70 | 39 | |
| WIND DIRECTION | NORTH | SOUTHEAST | SOUTHWEST | NA/NONE/U | NORTHEAST | |
| WIND SPEED | | | | | | M/H |
| CLOUD COVER | PARTCLDY | CLOUDY | CLOUDY | CLOUDY | PARTCLDY | |
| DEW | NO | NO | NO | YES | NO | |
| SOIL MOISTURE | MOIST/MOI | 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 *** | | | | | | |
| CORN, DENT | ---/11 | ---/14 | ---/16 | ---/18 | ---/19 | |
| GH 2552 | 4.00/4.00 | 6.00/8.00 | 12.0/14.0 | 22.0/24.0 | 46.0/48.0 | IN |
| 04/15/2003 | | | | | | |

* TIMING CODES

- 10 = ----- / VEPOST
- 11 = ----- / EPOST
- 12 = ----- / POST
- 13 = ----- / LPOST
- 14 = ----- / VLPOST

* STAGE CODE

- 11 = FIRST LEAF UNFOLDED
- 14 = 4 LEAVES UNFOLDED
- 16 = 6 LEAVES UNFOLDED
- 18 = 8 LEAVES UNFOLDED
- 19 = 9 OR MORE LEAVES UNFOLDED

TITLE: Simulated Glyphosate Drift on Conventional Corn AS-300
CREATED: 05/02/2003 **REVISED:** 11/20/2003 **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 | 4.5 | DOSAGE | | TM | ZEAMD | ZEAMD | ZEAMD | YIELD BU/A |
|------------|------------------------|-----|--------------------|------|----|-------------------|-------------------|--------------------|---------------|
| | | | RATE | UNIT | | 3 DAT 06/21/03 | 7 DAT 06/25/03 | 14 DAT 07/02/03 | |
| 1A» | WEATHERMAX | 4.5 | 0.15 | LAA | 10 | 22 | 48 | 73 | 179.6 |
| B» | LIQUID AMS | | 1.00 | PMV | 10 | | | | |
| 2A» | WEATHERMAX | 4.5 | 0.075 | LAA | 10 | 3 | 25 | 45 | 205.5 |
| B» | LIQUID AMS | | 0.50 | PMV | 10 | | | | |
| 3A» | WEATHERMAX | 4.5 | 0.0075 | LAA | 10 | 0 | 3 | 3 | 234.7 |
| B» | LIQUID AMS | | 0.05 | PMV | 10 | | | | |
| 4A» | WEATHERMAX | 4.5 | 0.00075 | LAA | 10 | 0 | 3 | 3 | 232.1 |
| B» | LIQUID AMS | | 0.005 | PMV | 10 | | | | |
| 5A» | WEATHERMAX | 4.5 | 0.15 | LAA | 11 | 18 | 90 | 97 | 25.7 |
| B» | LIQUID AMS | | 1.00 | PMV | 11 | | | | |
| 6A» | WEATHERMAX | 4.5 | 0.075 | LAA | 11 | 14 | 72 | 79 | 127.8 |
| B» | LIQUID AMS | | 0.50 | PMV | 11 | | | | |
| 7A» | WEATHERMAX | 4.5 | 0.0075 | LAA | 11 | 2 | 0 | 0 | 231.5 |
| B» | LIQUID AMS | | 0.05 | PMV | 11 | | | | |
| 8A» | WEATHERMAX | 4.5 | 0.00075 | LAA | 11 | 0 | 0 | 0 | 221.0 |
| B» | LIQUID AMS | | 0.005 | PMV | 11 | | | | |
| 9A» | WEATHERMAX | 4.5 | 0.15 | LAA | 12 | 13 | 55 | 69 | 51.4 |
| B» | LIQUID AMS | | 1.00 | PMV | 12 | | | | |
| 10A» | WEATHERMAX | 4.5 | 0.075 | LAA | 12 | 13 | 36 | 48 | 133.3 |
| B» | LIQUID AMS | | 0.50 | PMV | 12 | | | | |
| 11A» | WEATHERMAX | 4.5 | 0.0075 | LAA | 12 | 4 | 1 | 1 | 217.3 |
| B» | LIQUID AMS | | 0.05 | PMV | 12 | | | | |
| 12A» | WEATHERMAX | 4.5 | 0.00075 | LAA | 12 | 1 | 0 | 0 | 223.0 |
| B» | LIQUID AMS | | 0.005 | PMV | 12 | | | | |
| 13A» | WEATHERMAX | 4.5 | 0.15 | LAA | 13 | 30 | 72 | 85 | 0.0 |
| B» | LIQUID AMS | | 1.00 | PMV | 13 | | | | |
| 14A» | WEATHERMAX | 4.5 | 0.075 | LAA | 13 | 23 | 52 | 80 | 5.8 |
| B» | LIQUID AMS | | 0.50 | PMV | 13 | | | | |
| 15A» | WEATHERMAX | 4.5 | 0.0075 | LAA | 13 | 3 | 0 | 0 | 232.9 |
| B» | LIQUID AMS | | 0.05 | PMV | 13 | | | | |
| 16A» | WEATHERMAX | 4.5 | 0.00075 | LAA | 13 | 0 | 0 | 0 | 228.2 |
| B» | LIQUID AMS | | 0.005 | PMV | 13 | | | | |
| 17A» | WEATHERMAX | 4.5 | 0.15 | LAA | 14 | 19 | 57 | 60 | 5.4 |
| B» | LIQUID AMS | | 1.00 | PMV | 14 | | | | |
| 18A» | WEATHERMAX | 4.5 | 0.075 | LAA | 14 | 10 | 13 | 23 | 140.1 |
| B» | LIQUID AMS | | 0.50 | PMV | 14 | | | | |
| 19A» | WEATHERMAX | 4.5 | 0.0075 | LAA | 14 | 0 | 0 | 0 | 224.1 |
| B» | LIQUID AMS | | 0.05 | PMV | 14 | | | | |
| 20A» | WEATHERMAX | 4.5 | 0.00075 | LAA | 14 | 0 | 0 | 0 | 220.2 |
| B» | LIQUID AMS | | 0.005 | PMV | 14 | | | | |
| 21A | CHECK | | 0.00 | NA | 0 | 0 | 0 | 0 | 214.9 |
| 22A» | LIBERTY | | 0.031 | LAA | 14 | 30 | 53 | 38 | 209.5 |
| B» | LIQUID AMS | | 0.50 | PMV | 14 | | | | |
| | | | LSD (0.05) | | | 4.71 | 6.73 | 5.36 | 14.23 |
| | | | STANDARD DEVIATION | | | 2.36 | 3.36 | 2.68 | 7.11 |

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 10 = ----- / VEPOST 05/06/2003(1)
 11 = ----- / EPOST 05/19/2003(2)
 12 = ----- / POST 05/30/2003(3)
 13 = ----- / LPOST 06/11/2003(4)
 14 = ----- / VLPOST 06/18/2003(5)

| H# | CUSTOM#1 | CUSTOM#2 | EV.DATE | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS | C.M | CTRTR | SS | NOTE |
|-----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|-------|----|------|
| 001 | ZEAMD | 3 DAT | 06/21/2003 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 002 | ZEAMD | 7 DAT | 06/25/2003 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 003 | ZEAMD | 14 DAT | 07/02/2003 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 004 | YIELD | BU/A | 09/26/2003 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = GH 2552