

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.3
 %OM: 2.4
 PREV. CROP: GLXMA - SOYBEAN
 %RESIDUE:
 PLOT WIDTH: 10 X 30 FEET

DESIGN: RCB
 REPS: 3

| APPL. NUMBER | 01 | 02 | UNIT |
|------------------|-----------|-----------|------|
| TIMINGS | 09 | 12 | |
| TYPE | LIQMXSPR | LIQMXSPR | |
| APPLICATION DATE | 05/14/99 | 06/16/99 | AME |
| AIR TEMPERATURE | 64 | 72 | F |
| % REL. HUMIDITY | 60 | 40 | |
| WIND DIRECTION | --- | EAST | |
| WIND SPEED | 0.0 | 4.0 | M/H |
| CLOUD COVER | CLOUDY | PARTCLDY | |
| DEW | --- | NO | |
| SOIL MOISTURE | WET/MOIST | DRY/MOIST | |
| SOIL CONDITION | --- | --- | |
| METHOD | SPRAY | SPRAY | |
| EQUIPMENT | SPRBAC | SPRBAC | |
| PROPELLANT | COMPRSCO2 | COMPRSCO2 | |
| PLACEMENT | BROADCAST | BROADCAST | |
| NOZZLE | FLATFAN | FLATFAN | |
| NOZZLE NUMBER | 6 | 6 | |
| NOZZLE SPACING | 20.000 | 20.000 | IN |
| SWATH WIDTH | 10.0 | 10.0 | FT |
| SPRAY VOLUME | 20.00 | 20.00 | |
| VOLUME UNIT | GPA | GPA | |
| PRESSURE | 32.00 | 32.00 | PSI |
| DILUENT | WATER | WATER | |
| INC. DATE | | | AME |
| INC. START | | | 24H |
| INC. END | | | 24H |
| INC. DEPTH | | | IN |
| INC. EQUIPMENT | | | |
| DN/SG/MMZ | | | |
| *** CROP *** | | | |
| CORN, DENT | | ---/15 | |
| GARST8600IT | | 8.00/12.0 | IN |
| 05/12/1999 | | | |
| *** PEST *** | | | |
| WATERHEMP, COMMO | | ---/17 | |
| | | 2.00/3.00 | IN |

* TIMING CODES

09 = ----- / PREEMERGENCE
 12 = ----- / POST

* STAGE CODE

15 = 5 LEAVES UNFOLDED
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: CPROGWH CORN HERBICIDES FOR WATERHEMP CONTROL ALTAMONT
CREATED: 05/02/1999 **REVISED:** 08/31/1999 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: ALTAMONT **RESEARCHED BY:** UNIV. OF IL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 30.00 FT LONG **REPS:** 03

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | TM | ZEAMD | AMATA | ZEAMD | AMATA | ZEAMD | AMATA |
|------------|------------------------|--------------------|------|----|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | RATE | UNIT | | CON % 06/04/99 | CON % 06/04/99 | CON % 06/16/99 | CON % 06/16/99 | CON % 06/25/99 | CON % 06/25/99 |
| 1A | AXIOM | 0.72 | LAA | 9 | 0 | 99 | 0 | 77 | 0 | 72 |
| | B»HORNET 85.6WG | 0.128 | LAA | 12 | | | | | | |
| | C»ACTIVATE PLUS | 0.25 | PMV | 12 | | | | | | |
| 2A | AXIOM | 0.64 | LAA | 9 | 0 | 99 | 0 | 88 | 0 | 99 |
| | B ATRAZINE DF | 1.35 | LAA | 12 | | | | | | |
| | C»COC | 1.00 | LAA | 12 | | | | | | |
| 3A | AXIOM | 0.64 | LAA | 9 | 0 | 99 | 0 | 99 | 0 | 99 |
| | B ATRAZINE DF | 1.35 | LAA | 9 | | | | | | |
| 4A | EPIC 58DF | 0.54 | LAA | 9 | 0 | 99 | 0 | 99 | 0 | 95 |
| 5A | EPIC 58DF | 0.54 | LAA | 9 | 0 | 99 | 0 | 99 | 0 | 97 |
| | B ATRAZINE DF | 1.35 | LAA | 9 | | | | | | |
| 6A | EPIC 58DF | 0.435 | LAA | 9 | 0 | 99 | 0 | 99 | 0 | 96 |
| | B ATRAZINE DF | 1.35 | LAA | 9 | | | | | | |
| 7A | EPIC 58DF | 0.435 | LAA | 9 | 0 | 99 | 0 | 99 | 0 | 94 |
| | B ATRAZINE DF | 1.80 | LAA | 9 | | | | | | |
| 8A | CHECK | 0.00 | NA | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9A | BALANCE 75WG | 0.094 | LAA | 9 | 0 | 99 | 0 | 91 | 0 | 83 |
| 10A | BALANCE 75WG | 0.094 | LAA | 9 | 0 | 99 | 0 | 99 | 0 | 85 |
| | B PROWL 3.3EC | 1.24 | LAA | 9 | | | | | | |
| 11A | BALANCE 75WG | 0.047 | LAA | 9 | 0 | 99 | 0 | 99 | 0 | 86 |
| | B PROWL 3.3EC | 1.24 | LAA | 9 | | | | | | |
| 12A | BALANCE 75WG | 0.047 | LAA | 9 | 0 | 99 | 0 | 99 | 0 | 99 |
| | B PROWL 3.3EC | 1.24 | LAA | 9 | | | | | | |
| | C ATRAZINE DF | 1.00 | LAA | 9 | | | | | | |
| 13A | PROWL 3.3EC | 1.24 | LAA | 9 | 0 | 99 | 0 | 99 | 0 | 99 |
| | B ATRAZINE DF | 2.00 | LAA | 9 | | | | | | |
| 14A | DUAL II MAGNUM | 1.59 | LAA | 9 | 0 | 99 | 0 | 99 | 0 | 99 |
| | B MARKSMAN SC | 1.40 | LAA | 12 | | | | | | |
| | C 28% UAN | 2.50 | PMV | 12 | | | | | | |
| | | LSD (0.05) | | | 0.00 | 0.00 | 0.00 | 10.17 | 0.00 | 10.00 |
| | | STANDARD DEVIATION | | | 0.00 | 0.00 | 0.00 | 4.94 | 0.00 | 4.84 |

TITLE: CPROGWH CORN HERBICIDES FOR WATERHEMP CONTROL ALTAMONT
CREATED: 05/02/1999 **REVISED:** 08/31/1999 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: ALTAMONT **RESEARCHED BY:** UNIV. OF IL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 30.00 FT LONG **REPS:** 03

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | TM | ZEAMD | AMATA |
|------------|------------------------|--------------------|------|----|-------------------|-------------------|
| | | RATE | UNIT | | CON % 07/21/99 | CON % 07/21/99 |
| 1A | AXIOM | 0.72 | LAA | 9 | 0 | 70 |
| B | HORNET 85.6WG | 0.128 | LAA | 12 | | |
| C | ACTIVATE PLUS | 0.25 | PMV | 12 | | |
| 2A | AXIOM | 0.64 | LAA | 9 | 0 | 99 |
| B | ATRAZINE DF | 1.35 | LAA | 12 | | |
| C | COC | 1.00 | LAA | 12 | | |
| 3A | AXIOM | 0.64 | LAA | 9 | 0 | 96 |
| B | ATRAZINE DF | 1.35 | LAA | 9 | | |
| 4A | EPIC 58DF | 0.54 | LAA | 9 | 0 | 96 |
| 5A | EPIC 58DF | 0.54 | LAA | 9 | 0 | 85 |
| B | ATRAZINE DF | 1.35 | LAA | 9 | | |
| 6A | EPIC 58DF | 0.435 | LAA | 9 | 0 | 91 |
| B | ATRAZINE DF | 1.35 | LAA | 9 | | |
| 7A | EPIC 58DF | 0.435 | LAA | 9 | 0 | 88 |
| B | ATRAZINE DF | 1.80 | LAA | 9 | | |
| 8A | CHECK | 0.00 | NA | 0 | 0 | 0 |
| 9A | BALANCE 75WG | 0.094 | LAA | 9 | 0 | 80 |
| 10A | BALANCE 75WG | 0.094 | LAA | 9 | 0 | 85 |
| B | PROWL 3.3EC | 1.24 | LAA | 9 | | |
| 11A | BALANCE 75WG | 0.047 | LAA | 9 | 0 | 65 |
| B | PROWL 3.3EC | 1.24 | LAA | 9 | | |
| 12A | BALANCE 75WG | 0.047 | LAA | 9 | 0 | 62 |
| B | PROWL 3.3EC | 1.24 | LAA | 9 | | |
| C | ATRAZINE DF | 1.00 | LAA | 9 | | |
| 13A | PROWL 3.3EC | 1.24 | LAA | 9 | 0 | 55 |
| B | ATRAZINE DF | 2.00 | LAA | 9 | | |
| 14A | DUAL II MAGNUM | 1.59 | LAA | 9 | 0 | 99 |
| B | MARKSMAN SC | 1.40 | LAA | 12 | | |
| C | 28% UAN | 2.50 | PMV | 12 | | |
| | | LSD (0.05) | | | 0.00 | 11.00 |
| | | STANDARD DEVIATION | | | 0.00 | 5.35 |

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/14/1999(1)
 12 = ----- / POST 06/16/1999(2)

| H# | CUSTOM#1 | CUSTOM#2 | EV. DATE | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS | C.M | CTRT | SS | NOTE |
|-----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|------|----|------|
| 001 | ZEAMD | CON % | 06/04/1999 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 002 | AMATA | CON % | 06/04/1999 | 02 | P | AMATA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 003 | ZEAMD | CON % | 06/16/1999 | 01 | P | ZEAMD | 15 | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 004 | AMATA | CON % | 06/16/1999 | 02 | P | AMATA | 17 | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 005 | ZEAMD | CON % | 06/25/1999 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 006 | AMATA | CON % | 06/25/1999 | 02 | P | AMATA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 007 | ZEAMD | CON % | 07/21/1999 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 008 | AMATA | CON % | 07/21/1999 | 02 | P | AMATA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = GARST8600IT

* STAGE CODE

15 = 5 LEAVES UNFOLDED

17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED