

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIX  
 PH: 6.4  
 %OM: 5.3  
 PREV. CROP: GLXMA - SOYBEAN  
 %RESIDUE: 0  
 PLOT WIDTH: 10 X 30 FEET

DESIGN: RCB  
 REPS: 3

| APPL. NUMBER     | 01        | 02        | UNIT |
|------------------|-----------|-----------|------|
| TIMINGS          | 11        | 12        |      |
| TYPE             | LIQMXSPR  | LIQMXSPR  |      |
| APPLICATION DATE | 05/15/02  | 06/04/02  | AME  |
| AIR TEMPERATURE  | 62        | 85        | F    |
| % REL. HUMIDITY  | 68        | 90        |      |
| WIND DIRECTION   | SOUTHEAST | SOUTHWEST |      |
| WIND SPEED       | 7.0       | 7.0       | M/H  |
| CLOUD COVER      | CLEAR     | CLEAR     |      |
| DEW              | MOIST     | DRY       |      |
| SOIL MOISTURE    | MOIST/MOI | DRY/MOIST |      |
| SOIL CONDITION   | ---       | ---       |      |
| METHOD           | SPRAY     | SPRAY     |      |
| EQUIPMENT        | BACKPACKS | BACKPACKS |      |
| 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       | ---/12    | ---/16    |      |
| GH 2552          | 4.00/4.00 | 12.0/12.0 | IN   |
| 04/17/2002       |           |           |      |

## \* TIMING CODES

11 = ----- / EPOST  
 12 = ----- / POST

## \* STAGE CODE

12 = 2 LEAVES UNFOLDED  
 16 = 6 LEAVES UNFOLDED

## DATA MEAN

**TITLE:** Dicamba, Option, and Callisto Response in Corn AS-300  
**CREATED:** 04/13/2002 **REVISED:** 10/28/2002 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

| TRT<br>NUM | TREATMENT<br>COMPONENT | DOSAGE |        | TM | ZEAMD             | ZEAMD             | ZEAMD             | ZEAMD             | YIELD<br>BU/A |
|------------|------------------------|--------|--------|----|-------------------|-------------------|-------------------|-------------------|---------------|
|            |                        | RATE   | UNIT   |    | CON %<br>05/26/02 | CON %<br>06/09/02 | CON %<br>06/18/02 | CON %<br>07/26/02 |               |
| 1A         | DISTINCT 70WG          | 0.175  | LAA 12 |    | 0                 | 33                | 8                 | 0                 | 117.2         |
|            | B»MSO                  | 1.00   | PMV 12 |    |                   |                   |                   |                   |               |
|            | C 28% UAN              | 1.25   | PMV 12 |    |                   |                   |                   |                   |               |
| 2A         | OPTION 35WDG           | 0.033  | LAA 12 |    | 0                 | 20                | 8                 | 0                 | 125.5         |
|            | B»MSO                  | 1.00   | PMV 12 |    |                   |                   |                   |                   |               |
|            | C 28% UAN              | 1.25   | PMV 12 |    |                   |                   |                   |                   |               |
| 3A         | DISTINCT 70WG          | 0.35   | LAA 12 |    | 0                 | 40                | 18                | 8                 | 126.4         |
|            | B»MSO                  | 1.00   | PMV 12 |    |                   |                   |                   |                   |               |
|            | C 28% UAN              | 2.50   | PMV 12 |    |                   |                   |                   |                   |               |
| 4A         | OPTION 35WDG           | 0.066  | LAA 12 |    | 0                 | 27                | 13                | 3                 | 117.5         |
|            | B»MSO                  | 1.00   | PMV 12 |    |                   |                   |                   |                   |               |
|            | C 28% UAN              | 2.50   | PMV 12 |    |                   |                   |                   |                   |               |
| 5A         | DISTINCT 70WG          | 0.175  | LAA 12 |    | 0                 | 17                | 10                | 0                 | 139.6         |
|            | B»OPTION 35WDG         | 0.033  | LAA 12 |    |                   |                   |                   |                   |               |
|            | C»MSO                  | 1.00   | PMV 12 |    |                   |                   |                   |                   |               |
|            | D 28% UAN              | 1.25   | PMV 12 |    |                   |                   |                   |                   |               |
| 6A         | DISTINCT 70WG          | 0.35   | LAA 12 |    | 0                 | 15                | 15                | 2                 | 130.4         |
|            | B»OPTION 35WDG         | 0.066  | LAA 12 |    |                   |                   |                   |                   |               |
|            | C»MSO                  | 2.00   | PMV 12 |    |                   |                   |                   |                   |               |
|            | D 28% UAN              | 2.50   | PMV 12 |    |                   |                   |                   |                   |               |
| 7A         | DISTINCT 70WG          | 0.175  | LAA 12 |    | 0                 | 22                | 5                 | 0                 | 137.6         |
|            | B»ACTIVATOR 90         | 0.25   | PMV 12 |    |                   |                   |                   |                   |               |
|            | C 28% UAN              | 1.25   | PMV 12 |    |                   |                   |                   |                   |               |
| 8A         | DISTINCT 70WG          | 0.35   | LAA 12 |    | 0                 | 62                | 15                | 3                 | 115.7         |
|            | B»ACTIVATOR 90         | 0.50   | PMV 12 |    |                   |                   |                   |                   |               |
|            | C 28% UAN              | 2.50   | PMV 12 |    |                   |                   |                   |                   |               |
| 9A         | DISTINCT 70WG          | 0.35   | LAA 11 |    | 0                 | 50                | 72                | 78                | 47.4          |
|            | B»MSO                  | 2.00   | PMV 11 |    |                   |                   |                   |                   |               |
|            | C 28% UAN              | 2.50   | PMV 11 |    |                   |                   |                   |                   |               |
| 10A        | DISTINCT 70WG          | 0.35   | LAA 11 |    | 0                 | 13                | 37                | 37                | 72.0          |
|            | B»OPTION 35WDG         | 0.066  | LAA 11 |    |                   |                   |                   |                   |               |
|            | C»MSO                  | 2.00   | PMV 11 |    |                   |                   |                   |                   |               |
|            | D 28% UAN              | 2.50   | PMV 11 |    |                   |                   |                   |                   |               |
| 11A        | CALLISTO 4SC           | 0.094  | LAA 12 |    | 0                 | 20                | 4                 | 0                 | 132.8         |
|            | B»MSO                  | 1.00   | PMV 12 |    |                   |                   |                   |                   |               |
|            | C 28% UAN              | 1.25   | PMV 12 |    |                   |                   |                   |                   |               |
| 12A        | CALLISTO 4SC           | 0.094  | LAA 12 |    | 0                 | 18                | 10                | 0                 | 120.6         |
|            | B»OPTION 35WDG         | 0.033  | LAA 12 |    |                   |                   |                   |                   |               |
|            | C»MSO                  | 1.00   | PMV 12 |    |                   |                   |                   |                   |               |
|            | D 28% UAN              | 1.25   | PMV 12 |    |                   |                   |                   |                   |               |
| 13A        | CALLISTO 4SC           | 0.094  | LAA 12 |    | 0                 | 8                 | 2                 | 0                 | 141.9         |
|            | B»COC                  | 1.00   | PMV 12 |    |                   |                   |                   |                   |               |
|            | C 28% UAN              | 1.25   | PMV 12 |    |                   |                   |                   |                   |               |
| 14A        | CHECK                  | 0.00   | NA 0   |    | 0                 | 0                 | 0                 | 0                 | 145.5         |
| 15A        | CALLISTO 4SC           | 0.188  | LAA 12 |    | 0                 | 25                | 7                 | 0                 | 151.5         |
|            | B»MSO                  | 2.00   | PMV 12 |    |                   |                   |                   |                   |               |
|            | C 28% UAN              | 2.50   | PMV 12 |    |                   |                   |                   |                   |               |
| 16A        | CALLISTO 4SC           | 0.188  | LAA 12 |    | 0                 | 28                | 9                 | 0                 | 109.7         |
|            | B»OPTION 35WDG         | 0.066  | LAA 12 |    |                   |                   |                   |                   |               |
|            | C»MSO                  | 2.00   | PMV 12 |    |                   |                   |                   |                   |               |
|            | D 28% UAN              | 2.50   | PMV 12 |    |                   |                   |                   |                   |               |

DATA MEAN

TITLE: Dicamba, Option, and Callisto Response in Corn AS-300

| TRT | TREATMENT       | DOSAGE             |      | ZEAMD | ZEAMD    | ZEAMD    | ZEAMD    | YIELD    |       |
|-----|-----------------|--------------------|------|-------|----------|----------|----------|----------|-------|
| NUM | COMPONENT       | RATE               | UNIT | TM    | CON %    | CON %    | CON %    | BU/A     |       |
|     |                 |                    |      |       | 05/26/02 | 06/09/02 | 06/18/02 | 07/26/02 |       |
|     |                 |                    |      |       |          |          |          | 09/24/02 |       |
| 17A | CALLISTO 4SC    | 0.188              | LAA  | 12    | 0        | 8        | 4        | 0        | 135.6 |
|     | B>>COC          | 2.00               | PMV  | 12    |          |          |          |          |       |
|     | C 28% UAN       | 2.50               | PMV  | 12    |          |          |          |          |       |
| 18A | CLARITY         | 0.50               | LAA  | 12    | 0        | 42       | 17       | 5        | 133.2 |
|     | B>>ACTIVATOR 90 | 0.25               | PMV  | 12    |          |          |          |          |       |
|     | C 28% UAN       | 1.25               | PMV  | 12    |          |          |          |          |       |
| 19A | CLARITY         | 0.50               | LAA  | 12    | 0        | 58       | 27       | 12       | 125.7 |
|     | B>>MSO          | 1.00               | PMV  | 12    |          |          |          |          |       |
|     | C 28% UAN       | 1.25               | PMV  | 12    |          |          |          |          |       |
| 20A | CLARITY         | 0.50               | LAA  | 12    | 0        | 23       | 13       | 0        | 124.0 |
|     | B>>OPTION 35WDG | 0.033              | LAA  | 12    |          |          |          |          |       |
|     | C>>MSO          | 1.00               | PMV  | 12    |          |          |          |          |       |
|     | D 28% UAN       | 1.25               | PMV  | 12    |          |          |          |          |       |
|     |                 | LSD (0.05)         |      |       | 0.00     | 7.54     | 6.90     | 4.28     | 18.13 |
|     |                 | STANDARD DEVIATION |      |       | 0.00     | 3.73     | 3.42     | 2.12     | 9.00  |

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 11 = ----- / EPOST 05/15/2002(1)  
 12 = ----- / POST 06/04/2002(2)

| H# | CUSTOM#1 | CUSTOM#2 | EV. DATE   | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS   | C.M | CTR  | SS | NOTE |
|----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|------|----|------|
| 01 | ZEAMD    | CON %    | 05/26/2002 | 01 | P   | ZEAMD  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 02 | ZEAMD    | CON %    | 06/09/2002 | 01 | P   | ZEAMD  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 03 | ZEAMD    | CON %    | 06/18/2002 | 01 | P   | ZEAMD  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 04 | ZEAMD    | CON %    | 07/26/2002 | 01 | P   | ZEAMD  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 05 | YIELD    | BU/A     | 09/24/2002 | 01 | P   | ZEAMD  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = GH 2552