

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.6  
 %OM: 4.7  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: 0  
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB  
 REPS: 3

| APPL. NUMBER     | 01        | UNIT |
|------------------|-----------|------|
| TIMINGS          | 09        |      |
| TYPE             | NA/NONE   |      |
| APPLICATION DATE | 04/24/01  | AME  |
| AIR TEMPERATURE  | 62        | F    |
| % REL.HUMIDITY   | 28        |      |
| WIND DIRECTION   | NORTHWEST |      |
| WIND SPEED       | 10.0      | M/H  |
| CLOUD COVER      | CLEAR     |      |
| DEW              | ---       |      |
| SOIL MOISTURE    | DRY/MOIST |      |
| SOIL CONDITION   | ---       |      |
| METHOD           | SPRAY     |      |
| EQUIPMENT        | BACKPACKS |      |
| PROPELLANT       | COMPRSCO2 |      |
| PLACEMENT        | BROADCAST |      |
| NOZZLE           | FLATFAN   |      |
| NOZZLE NUMBER    | 5         |      |
| NOZZLE SPACING   | 18.000    | IN   |
| SWATH WIDTH      | 7.5       | FT   |
| SPRAY VOLUME     | 0.00      |      |
| VOLUME UNIT      | NA        |      |
| PRESSURE         | 30.00     | PSI  |
| DILUENT          | WATER     |      |
| INC. DATE        |           | AME  |
| INC. START       |           | 24H  |
| INC. END         |           | 24H  |
| INC. DEPTH       |           | IN   |
| INC. EQUIPMENT   | ---       |      |
|                  | DN/SG/MMZ |      |
| *** CROP ***     |           |      |
| CORN, DENT       | ---/01    |      |
| PIONEER 34R07    | /         | IN   |
| 04/24/2001       |           |      |

\* TIMING CODES  
 09 = ----- / PREEMERGENCE

\* STAGE CODE  
 01 = BEGINNING OF IMBIBITION

## DATA MEAN

TITLE: Preemergence rate comparison of Callisto and Balance in corn AS-200

CREATED: 04/11/2001 REVISED: 11/06/2001

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<br>NUM | TREATMENT<br>COMPONENT | DOSAGE |      | TM | ZEAMD              | SETFA             | CHEAL             | ABUTH             | POLPY             | DATST             |       |
|------------|------------------------|--------|------|----|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|
|            |                        | RATE   | UNIT |    | CON %<br>05/25/01  | CON %<br>05/25/01 | CON %<br>05/25/01 | CON %<br>05/25/01 | CON %<br>05/25/01 | CON %<br>05/25/01 |       |
| 1A         | DUAL II MAGNUM         | 1.59   | LAA  | 9  | 0                  | 80                | 18                | 22                | 0                 | 43                |       |
| B          | CALLISTO 4SC           | 0.031  | LAA  | 9  |                    |                   |                   |                   |                   |                   |       |
| 2A         | DUAL II MAGNUM         | 1.59   | LAA  | 9  | 0                  | 83                | 13                | 45                | 0                 | 43                |       |
| B          | BALANCE PRO 4S         | 0.0156 | LAA  | 9  |                    |                   |                   |                   |                   |                   |       |
| 3A         | DUAL II MAGNUM         | 1.59   | LAA  | 9  | 0                  | 78                | 28                | 37                | 0                 | 43                |       |
| B          | CALLISTO 4SC           | 0.063  | LAA  | 9  |                    |                   |                   |                   |                   |                   |       |
| 4A         | DUAL II MAGNUM         | 1.59   | LAA  | 9  | 0                  | 79                | 20                | 30                | 0                 | 43                |       |
| B          | BALANCE PRO 4S         | 0.0313 | LAA  | 9  |                    |                   |                   |                   |                   |                   |       |
| 5A         | DUAL II MAGNUM         | 1.59   | LAA  | 9  | 0                  | 79                | 10                | 28                | 0                 | 50                |       |
| B          | CHECK                  | 0.00   | NA   | 0  |                    |                   |                   |                   |                   |                   |       |
| 6A         | DUAL II MAGNUM         | 1.59   | LAA  | 9  | 0                  | 80                | 13                | 35                | 0                 | 47                |       |
| B          | CALLISTO 4SC           | 0.094  | LAA  | 9  |                    |                   |                   |                   |                   |                   |       |
| 7A         | DUAL II MAGNUM         | 1.59   | LAA  | 9  | 0                  | 80                | 12                | 33                | 0                 | 50                |       |
| B          | BALANCE PRO 4S         | 0.047  | LAA  | 9  |                    |                   |                   |                   |                   |                   |       |
| 8A         | CHECK                  | 0.00   | NA   | 0  | 0                  | 0                 | 0                 | 0                 | 0                 | 0                 |       |
| 9A         | DUAL II MAGNUM         | 1.59   | LAA  | 9  | 0                  | 80                | 65                | 83                | 2                 | 50                |       |
| B          | CALLISTO 4SC           | 0.188  | LAA  | 9  |                    |                   |                   |                   |                   |                   |       |
| 10A        | DUAL II MAGNUM         | 1.59   | LAA  | 9  | 0                  | 81                | 40                | 43                | 0                 | 50                |       |
| B          | BALANCE PRO 4S         | 0.094  | LAA  | 9  |                    |                   |                   |                   |                   |                   |       |
|            |                        |        |      |    | LSD (0.05)         | 0.00              | 9.37              | 25.82             | 22.00             | 1.57              | 12.74 |
|            |                        |        |      |    | STANDARD DEVIATION | 0.00              | 4.46              | 12.29             | 10.45             | 0.745             | 6.07  |

DATA MEAN

TITLE: Preemergence rate comparison of Callisto and Balance in corn AS-200  
 CREATED: 04/11/2001 REVISED: 11/06/2001 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<br>NUM         | TREATMENT<br>COMPONENT | DOSAGE |      | TM | ZEAMD             | SETFA             | CHEAL             | ABUTH             | POLPY             | DATST             |
|--------------------|------------------------|--------|------|----|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|                    |                        | RATE   | UNIT |    | CON %<br>06/24/01 | CON %<br>06/24/01 | CON %<br>06/24/01 | CON %<br>06/24/01 | CON %<br>06/24/01 | CON %<br>06/24/01 |
| 1A                 | DUAL II MAGNUM         | 1.59   | LAA  | 9  | 0                 | 58                | 0                 | 0                 | 0                 | 0                 |
| B                  | CALLISTO 4SC           | 0.031  | LAA  | 9  |                   |                   |                   |                   |                   |                   |
| 2A                 | DUAL II MAGNUM         | 1.59   | LAA  | 9  | 0                 | 53                | 0                 | 0                 | 0                 | 0                 |
| B                  | BALANCE PRO 4S         | 0.0156 | LAA  | 9  |                   |                   |                   |                   |                   |                   |
| 3A                 | DUAL II MAGNUM         | 1.59   | LAA  | 9  | 0                 | 53                | 0                 | 0                 | 0                 | 0                 |
| B                  | CALLISTO 4SC           | 0.063  | LAA  | 9  |                   |                   |                   |                   |                   |                   |
| 4A                 | DUAL II MAGNUM         | 1.59   | LAA  | 9  | 0                 | 60                | 0                 | 0                 | 0                 | 0                 |
| B                  | BALANCE PRO 4S         | 0.0313 | LAA  | 9  |                   |                   |                   |                   |                   |                   |
| 5A                 | DUAL II MAGNUM         | 1.59   | LAA  | 9  | 0                 | 52                | 0                 | 0                 | 0                 | 0                 |
| B                  | CHECK                  | 0.00   | NA   | 0  |                   |                   |                   |                   |                   |                   |
| 6A                 | DUAL II MAGNUM         | 1.59   | LAA  | 9  | 0                 | 55                | 0                 | 0                 | 0                 | 0                 |
| B                  | CALLISTO 4SC           | 0.094  | LAA  | 9  |                   |                   |                   |                   |                   |                   |
| 7A                 | DUAL II MAGNUM         | 1.59   | LAA  | 9  | 0                 | 42                | 0                 | 0                 | 0                 | 0                 |
| B                  | BALANCE PRO 4S         | 0.047  | LAA  | 9  |                   |                   |                   |                   |                   |                   |
| 8A                 | CHECK                  | 0.00   | NA   | 0  | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| 9A                 | DUAL II MAGNUM         | 1.59   | LAA  | 9  | 0                 | 53                | 67                | 75                | 7                 | 7                 |
| B                  | CALLISTO 4SC           | 0.188  | LAA  | 9  |                   |                   |                   |                   |                   |                   |
| 10A                | DUAL II MAGNUM         | 1.59   | LAA  | 9  | 0                 | 65                | 42                | 43                | 0                 | 0                 |
| B                  | BALANCE PRO 4S         | 0.094  | LAA  | 9  |                   |                   |                   |                   |                   |                   |
| LSD (0.05)         |                        |        |      |    | 0.00              | 19.24             | 7.90              | 12.00             | 6.26              | 6.26              |
| STANDARD DEVIATION |                        |        |      |    | 0.00              | 9.16              | 3.76              | 5.73              | 3.00              | 3.00              |

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 09 = ----- / PREEMERGENCE 04/24/2001(1)

| H# | CUSTOM#1 | CUSTOM#2 | EV.DATE    | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS   | C.M | CTRTR | SS | NOTE |
|----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|-------|----|------|
| 01 | ZEAMD    | CON %    | 05/25/2001 | 01 | P   | ZEAMD  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 02 | SETFA    | CON %    | 05/25/2001 | 02 | P   | SETFA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 03 | CHEAL    | CON %    | 05/25/2001 | 03 | P   | CHEAL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 04 | ABUTH    | CON %    | 05/25/2001 | 04 | P   | ABUTH  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 05 | POLPY    | CON %    | 05/25/2001 | 05 | P   | POLPY  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 06 | DATST    | CON %    | 05/25/2001 | 06 | P   | DATST  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 07 | ZEAMD    | CON %    | 06/24/2001 | 01 | P   | ZEAMD  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 08 | SETFA    | CON %    | 06/24/2001 | 02 | P   | SETFA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 09 | CHEAL    | CON %    | 06/24/2001 | 03 | P   | CHEAL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 10 | ABUTH    | CON %    | 06/24/2001 | 04 | P   | ABUTH  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 11 | POLPY    | CON %    | 06/24/2001 | 05 | P   | POLPY  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 12 | DATST    | CON %    | 06/24/2001 | 06 | P   | DATST  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 34R07