

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.3  
 %OM: 4.7  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE:  
 PLOT WIDTH: 7.5 X 36 FEET

DESIGN: RCB  
 REPS: 3

| APPL. NUMBER     | 01        | UNIT |
|------------------|-----------|------|
| TIMINGS          | 12        |      |
| TYPE             | LIQMXSPR  |      |
| APPLICATION DATE | 05/31/00  | AME  |
| AIR TEMPERATURE  | 85        | F    |
| % REL.HUMIDITY   | 80        |      |
| WIND DIRECTION   | SOUTHWEST |      |
| WIND SPEED       | 6.0       | M/H  |
| CLOUD COVER      | PARTCLDY  |      |
| DEW              | MOIST     |      |
| SOIL MOISTURE    | MOIST/MOI |      |
| SOIL CONDITION   | ---       |      |
| METHOD           | SPRAY     |      |
| EQUIPMENT        | SPRBAC    |      |
| PROPELLANT       | COMPRSCO2 |      |
| PLACEMENT        | BROADCAST |      |
| NOZZLE           | FLATFAN   |      |
| NOZZLE NUMBER    | 5         |      |
| NOZZLE SPACING   | 18.000    | IN   |
| SWATH WIDTH      | 7.5       | FT   |
| SPRAY VOLUME     | 20.00     |      |
| VOLUME UNIT      | GPA       |      |
| PRESSURE         | 42.00     | PSI  |
| DILUENT          | WATER     |      |
| INC. DATE        |           | AME  |
| INC. START       |           | 24H  |
| INC. END         |           | 24H  |
| INC. DEPTH       |           | IN   |
| INC. EQUIPMENT   |           |      |
|                  | DN/SG/MMZ |      |
| *** CROP ***     |           |      |
| CORN, DENT       | ---/14    |      |
| DEKALB 592SR     | 12.0/12.0 | IN   |
| 04/28/2000       |           |      |
| *** PEST ***     |           |      |
| VELVETLEAF       | ---/15    |      |
|                  | 4.00/4.00 | IN   |
| PIGWEEED, SMOOTH | ---/16    |      |
|                  | 3.00/3.00 | IN   |
| LAMBSQUARTERS, C | ---/19    |      |
|                  | 3.00/3.00 | IN   |
| SMARTWEED, PENNS | ---/19    |      |
|                  | 5.00/5.00 | IN   |

\* TIMING CODES

12 = ----- / POST

\* STAGE CODE

14 = 4 LEAVES UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** CPOBDLF2 POST BROADLEAF WEED CONTROL IN SRCORN II C-400  
**CREATED:** 04/13/2000 **REVISED:** 07/31/2000 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** URBANA **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 36.00 FT LONG **REPS:** 03

| TRT<br>NUM | TREATMENT<br>COMPONENT | DOSAGE             |        | TM | ZEAMD    | ABUTH    | POLPY    | AMACH    | CHEAL    | ZEAMD    |
|------------|------------------------|--------------------|--------|----|----------|----------|----------|----------|----------|----------|
|            |                        | RATE               | UNIT   |    | 06/05/00 | 06/05/00 | 06/05/00 | 06/05/00 | 06/05/00 | 06/16/00 |
| 1A         | (G)2,4-D-ESTER         | 0.50               | LAA 12 |    | 7        | 96       | 95       | 96       | 96       | 0        |
|            | B»IMPRESSIVE DB        | 11.25              | PMG 12 |    |          |          |          |          |          |          |
| 2A         | (G)2,4-D-ESTER         | 0.50               | LAA 12 |    | 8        | 98       | 96       | 98       | 98       | 0        |
|            | B»S-3153 58WG          | 0.009              | LAA 12 |    |          |          |          |          |          |          |
|            | C»IMPRESSIVE DB        | 11.25              | PMG 12 |    |          |          |          |          |          |          |
| 3A         | ACCENT 75WG            | 0.031              | LAA 12 |    | 5        | 92       | 92       | 92       | 92       | 0        |
|            | B»COC                  | 0.63               | PMV 12 |    |          |          |          |          |          |          |
| 4A         | ACCENT 75WG            | 0.031              | LAA 12 |    | 5        | 95       | 96       | 96       | 95       | 0        |
|            | B»S-3153 58WG          | 0.009              | LAA 12 |    |          |          |          |          |          |          |
|            | C»COC                  | 0.63               | PMV 12 |    |          |          |          |          |          |          |
| 5A         | CHECK                  | 0.00               | NA 0   |    | 0        | 0        | 0        | 0        | 0        | 0        |
| 6A         | ATRAZINE DF            | 0.50               | LAA 12 |    | 7        | 92       | 93       | 93       | 93       | 0        |
|            | B»COC                  | 0.63               | PMV 12 |    |          |          |          |          |          |          |
| 7A         | ATRAZINE DF            | 0.50               | LAA 12 |    | 5        | 92       | 92       | 92       | 92       | 0        |
|            | B»S-3153 58WG          | 0.009              | LAA 12 |    |          |          |          |          |          |          |
|            | C»COC                  | 0.63               | PMV 12 |    |          |          |          |          |          |          |
| 8A         | BEACON 75WG            | 0.036              | LAA 12 |    | 5        | 95       | 95       | 95       | 95       | 0        |
|            | B»COC                  | 0.63               | PMV 12 |    |          |          |          |          |          |          |
| 9A         | BEACON 75WG            | 0.036              | LAA 12 |    | 5        | 95       | 95       | 93       | 93       | 0        |
|            | B»S-3153 58WG          | 0.009              | LAA 12 |    |          |          |          |          |          |          |
|            | C»COC                  | 0.63               | PMV 12 |    |          |          |          |          |          |          |
| 10A        | CLARITY                | 0.50               | LAA 12 |    | 10       | 99       | 99       | 99       | 98       | 0        |
|            | B»IMPRESSIVE DB        | 11.25              | PMG 12 |    |          |          |          |          |          |          |
| 11A        | CLARITY                | 0.50               | LAA 12 |    | 10       | 99       | 99       | 99       | 99       | 0        |
|            | B»S-3153 58WG          | 0.009              | LAA 12 |    |          |          |          |          |          |          |
|            | C»IMPRESSIVE DB        | 11.25              | PMG 12 |    |          |          |          |          |          |          |
| 12A»       | S-3153 58WG            | 0.009              | LAA 12 |    | 5        | 92       | 92       | 92       | 87       | 0        |
|            | B»COC                  | 0.63               | PMV 12 |    |          |          |          |          |          |          |
| 13A        | BUCTRIL+ATRA           | 0.75               | LAA 12 |    | 0        | 98       | 99       | 99       | 99       | 0        |
| 14A»       | ZA1296 4SC             | 0.094              | LAA 12 |    | 0        | 98       | 98       | 98       | 98       | 0        |
|            | B»COC                  | 1.00               | PMV 12 |    |          |          |          |          |          |          |
|            | C 28% UAN              | 2.50               | PMV 12 |    |          |          |          |          |          |          |
| 15A»       | DISTINCT 70WG          | 0.263              | LAA 12 |    | 5        | 98       | 99       | 99       | 99       | 0        |
|            | B»ACTIVATOR 90         | 0.25               | PMV 12 |    |          |          |          |          |          |          |
|            | C 28% UAN              | 1.25               | PMV 12 |    |          |          |          |          |          |          |
| 16A»       | AIM 40 DF              | 0.008              | LAA 12 |    | 5        | 99       | 99       | 99       | 99       | 0        |
|            | B CLARITY              | 0.25               | LAA 12 |    |          |          |          |          |          |          |
|            | C»ACTIVATOR 90         | 0.25               | PMV 12 |    |          |          |          |          |          |          |
|            |                        | LSD (0.05)         |        |    | 2.00     | 4.21     | 4.00     | 4.09     | 4.09     | 0.00     |
|            |                        | STANDARD DEVIATION |        |    | 1.00     | 2.06     | 1.94     | 2.00     | 2.00     | 0.00     |

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**CREATED:** 04/13/2000 **REVISED:** 07/31/2000 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** URBANA **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 36.00 FT LONG **REPS:** 03

| TRT<br>NUM | TREATMENT<br>COMPONENT | DOSAGE             |        | TM | ABUTH<br>06/16/00 | POLPY<br>06/16/00 | AMACH<br>06/16/00 | CHEAL<br>06/16/00 | ZEAMD<br>06/30/00 | ABUTH<br>06/30/00 |
|------------|------------------------|--------------------|--------|----|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|            |                        | RATE               | UNIT   |    |                   |                   |                   |                   |                   |                   |
| 1A         | (G)2,4-D-ESTER         | 0.50               | LAA 12 |    | 96                | 93                | 96                | 96                | 0                 | 96                |
|            | B»IMPRESSIVE DB        | 11.25              | PMG 12 |    |                   |                   |                   |                   |                   |                   |
| 2A         | (G)2,4-D-ESTER         | 0.50               | LAA 12 |    | 98                | 96                | 98                | 98                | 0                 | 98                |
|            | B»S-3153 58WG          | 0.009              | LAA 12 |    |                   |                   |                   |                   |                   |                   |
|            | C»IMPRESSIVE DB        | 11.25              | PMG 12 |    |                   |                   |                   |                   |                   |                   |
| 3A         | ACCENT 75WG            | 0.031              | LAA 12 |    | 75                | 77                | 78                | 72                | 0                 | 63                |
|            | B»COC                  | 0.63               | PMV 12 |    |                   |                   |                   |                   |                   |                   |
| 4A         | ACCENT 75WG            | 0.031              | LAA 12 |    | 95                | 96                | 96                | 92                | 0                 | 90                |
|            | B»S-3153 58WG          | 0.009              | LAA 12 |    |                   |                   |                   |                   |                   |                   |
|            | C»COC                  | 0.63               | PMV 12 |    |                   |                   |                   |                   |                   |                   |
| 5A         | CHECK                  | 0.00               | NA 0   |    | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| 6A         | ATRAZINE DF            | 0.50               | LAA 12 |    | 90                | 92                | 92                | 92                | 0                 | 87                |
|            | B»COC                  | 0.63               | PMV 12 |    |                   |                   |                   |                   |                   |                   |
| 7A         | ATRAZINE DF            | 0.50               | LAA 12 |    | 90                | 90                | 90                | 92                | 0                 | 88                |
|            | B»S-3153 58WG          | 0.009              | LAA 12 |    |                   |                   |                   |                   |                   |                   |
|            | C»COC                  | 0.63               | PMV 12 |    |                   |                   |                   |                   |                   |                   |
| 8A         | BEACON 75WG            | 0.036              | LAA 12 |    | 92                | 90                | 92                | 88                | 0                 | 92                |
|            | B»COC                  | 0.63               | PMV 12 |    |                   |                   |                   |                   |                   |                   |
| 9A         | BEACON 75WG            | 0.036              | LAA 12 |    | 95                | 92                | 93                | 85                | 0                 | 95                |
|            | B»S-3153 58WG          | 0.009              | LAA 12 |    |                   |                   |                   |                   |                   |                   |
|            | C»COC                  | 0.63               | PMV 12 |    |                   |                   |                   |                   |                   |                   |
| 10A        | CLARITY                | 0.50               | LAA 12 |    | 99                | 99                | 99                | 98                | 0                 | 99                |
|            | B»IMPRESSIVE DB        | 11.25              | PMG 12 |    |                   |                   |                   |                   |                   |                   |
| 11A        | CLARITY                | 0.50               | LAA 12 |    | 99                | 99                | 99                | 99                | 0                 | 99                |
|            | B»S-3153 58WG          | 0.009              | LAA 12 |    |                   |                   |                   |                   |                   |                   |
|            | C»IMPRESSIVE DB        | 11.25              | PMG 12 |    |                   |                   |                   |                   |                   |                   |
| 12A»       | S-3153 58WG            | 0.009              | LAA 12 |    | 85                | 83                | 85                | 85                | 0                 | 85                |
|            | B»COC                  | 0.63               | PMV 12 |    |                   |                   |                   |                   |                   |                   |
| 13A        | BUCTRIL+ATRA           | 0.75               | LAA 12 |    | 99                | 99                | 99                | 99                | 0                 | 99                |
| 14A»       | ZA1296 4SC             | 0.094              | LAA 12 |    | 98                | 96                | 96                | 98                | 0                 | 98                |
|            | B»COC                  | 1.00               | PMV 12 |    |                   |                   |                   |                   |                   |                   |
|            | C 28% UAN              | 2.50               | PMV 12 |    |                   |                   |                   |                   |                   |                   |
| 15A»       | DISTINCT 70WG          | 0.263              | LAA 12 |    | 98                | 99                | 99                | 99                | 0                 | 99                |
|            | B»ACTIVATOR 90         | 0.25               | PMV 12 |    |                   |                   |                   |                   |                   |                   |
|            | C 28% UAN              | 1.25               | PMV 12 |    |                   |                   |                   |                   |                   |                   |
| 16A»       | AIM 40 DF              | 0.008              | LAA 12 |    | 99                | 98                | 99                | 99                | 0                 | 99                |
|            | B CLARITY              | 0.25               | LAA 12 |    |                   |                   |                   |                   |                   |                   |
|            | C»ACTIVATOR 90         | 0.25               | PMV 12 |    |                   |                   |                   |                   |                   |                   |
|            |                        | LSD (0.05)         |        |    | 4.15              | 4.54              | 4.92              | 5.00              | 0.00              | 5.00              |
|            |                        | STANDARD DEVIATION |        |    | 2.00              | 2.22              | 2.41              | 2.47              | 0.00              | 2.44              |

**TITLE:** CPOBDLF2 POST BROADLEAF WEED CONTROL IN SRCORN II C-400  
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**PROJECT TYPE:** HERBICIDE  
**LOCATION:** URBANA **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 36.00 FT LONG **REPS:** 03

| TRT<br>NUM | TREATMENT<br>COMPONENT | DOSAGE             |        | TM | POLPY    | AMACH    | CHEAL    |
|------------|------------------------|--------------------|--------|----|----------|----------|----------|
|            |                        | RATE               | UNIT   |    | 06/30/00 | 06/30/00 | 06/30/00 |
| 1A         | (G)2,4-D-ESTER         | 0.50               | LAA 12 |    | 93       | 96       | 96       |
|            | B»IMPRESSIVE DB        | 11.25              | PMG 12 |    |          |          |          |
| 2A         | (G)2,4-D-ESTER         | 0.50               | LAA 12 |    | 95       | 98       | 98       |
|            | B»S-3153 58WG          | 0.009              | LAA 12 |    |          |          |          |
|            | C»IMPRESSIVE DB        | 11.25              | PMG 12 |    |          |          |          |
| 3A         | ACCENT 75WG            | 0.031              | LAA 12 |    | 67       | 65       | 60       |
|            | B»COC                  | 0.63               | PMV 12 |    |          |          |          |
| 4A         | ACCENT 75WG            | 0.031              | LAA 12 |    | 93       | 95       | 87       |
|            | B»S-3153 58WG          | 0.009              | LAA 12 |    |          |          |          |
|            | C»COC                  | 0.63               | PMV 12 |    |          |          |          |
| 5A         | CHECK                  | 0.00               | NA 0   |    | 0        | 0        | 0        |
| 6A         | ATRAZINE DF            | 0.50               | LAA 12 |    | 87       | 88       | 88       |
|            | B»COC                  | 0.63               | PMV 12 |    |          |          |          |
| 7A         | ATRAZINE DF            | 0.50               | LAA 12 |    | 88       | 89       | 88       |
|            | B»S-3153 58WG          | 0.009              | LAA 12 |    |          |          |          |
|            | C»COC                  | 0.63               | PMV 12 |    |          |          |          |
| 8A         | BEACON 75WG            | 0.036              | LAA 12 |    | 90       | 92       | 83       |
|            | B»COC                  | 0.63               | PMV 12 |    |          |          |          |
| 9A         | BEACON 75WG            | 0.036              | LAA 12 |    | 92       | 92       | 78       |
|            | B»S-3153 58WG          | 0.009              | LAA 12 |    |          |          |          |
|            | C»COC                  | 0.63               | PMV 12 |    |          |          |          |
| 10A        | CLARITY                | 0.50               | LAA 12 |    | 99       | 99       | 99       |
|            | B»IMPRESSIVE DB        | 11.25              | PMG 12 |    |          |          |          |
| 11A        | CLARITY                | 0.50               | LAA 12 |    | 99       | 99       | 99       |
|            | B»S-3153 58WG          | 0.009              | LAA 12 |    |          |          |          |
|            | C»IMPRESSIVE DB        | 11.25              | PMG 12 |    |          |          |          |
| 12A»       | S-3153 58WG            | 0.009              | LAA 12 |    | 78       | 85       | 80       |
|            | B»COC                  | 0.63               | PMV 12 |    |          |          |          |
| 13A        | BUCTRIL+ATRA           | 0.75               | LAA 12 |    | 99       | 99       | 99       |
| 14A»       | ZA1296 4SC             | 0.094              | LAA 12 |    | 96       | 96       | 98       |
|            | B»COC                  | 1.00               | PMV 12 |    |          |          |          |
|            | C 28% UAN              | 2.50               | PMV 12 |    |          |          |          |
| 15A»       | DISTINCT 70WG          | 0.263              | LAA 12 |    | 99       | 99       | 99       |
|            | B»ACTIVATOR 90         | 0.25               | PMV 12 |    |          |          |          |
|            | C 28% UAN              | 1.25               | PMV 12 |    |          |          |          |
| 16A»       | AIM 40 DF              | 0.008              | LAA 12 |    | 98       | 99       | 99       |
|            | B CLARITY              | 0.25               | LAA 12 |    |          |          |          |
|            | C»ACTIVATOR 90         | 0.25               | PMV 12 |    |          |          |          |
|            |                        | LSD (0.05)         |        |    | 5.29     | 5.67     | 4.84     |
|            |                        | STANDARD DEVIATION |        |    | 2.59     | 2.78     | 2.37     |

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 12 = ----- / POST 05/31/2000 (1)

| H#  | CUSTOM#1 | CUSTOM#2 | EV. DATE   | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS   | C.M | CTRTR | SS | NOTE |
|-----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|-------|----|------|
| 001 | ZEAMD    |          | 06/05/2000 | 01 | P   | ZEAMD  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |

## TITLE: CPOBDLF2 POST BROADLEAF WEED CONTROL IN SRCORN II C-400

| H#  | CUSTOM#1 | CUSTOM#2 | EV.DATE    | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS   | C.M | CTR1 | SS | NOTE |
|-----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|------|----|------|
| 002 | ABUTH    |          | 06/05/2000 | 02 | P   | ABUTH  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 003 | POLPY    |          | 06/05/2000 | 03 | P   | POLPY  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 004 | AMACH    |          | 06/05/2000 | 04 | P   | AMACH  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 005 | CHEAL    |          | 06/05/2000 | 05 | P   | CHEAL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 006 | ZEAMD    |          | 06/16/2000 | 01 | P   | ZEAMD  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 007 | ABUTH    |          | 06/16/2000 | 02 | P   | ABUTH  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 008 | POLPY    |          | 06/16/2000 | 03 | P   | POLPY  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 009 | AMACH    |          | 06/16/2000 | 04 | P   | AMACH  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 010 | CHEAL    |          | 06/16/2000 | 05 | P   | CHEAL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 011 | ZEAMD    |          | 06/30/2000 | 01 | P   | ZEAMD  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 012 | ABUTH    |          | 06/30/2000 | 02 | P   | ABUTH  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 013 | POLPY    |          | 06/30/2000 | 03 | P   | POLPY  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 014 | AMACH    |          | 06/30/2000 | 04 | P   | AMACH  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 015 | CHEAL    |          | 06/30/2000 | 05 | P   | CHEAL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = DEKALB 592SR