

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       | 8.0       | 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    |      |
| PIONEER 33G28LL  | 12.0/12.0 | IN   |
| 04/28/2000       |           |      |
| *** PEST ***     |           |      |
| RAGWEED, COMMON  | ---/14    |      |
|                  | 4.00/4.00 | IN   |
| LAMBSQUARTERS, C | ---/18    |      |
|                  | 3.00/3.00 | IN   |
| JIMSONWEED       | ---/14    |      |
|                  | 5.00/5.00 | IN   |
| SMARTWEED, PENNS | ---/19    |      |
|                  | 5.00/5.00 | IN   |
| FOXTAIL, GIANT   | ---/12    |      |
|                  | 4.00/4.00 | IN   |

\* TIMING CODES

12 = ----- / POST

\* STAGE CODE

12 = 2 LEAVES UNFOLDED  
14 = 4 LEAVES UNFOLDED  
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: CLLADJ1 LIBERTY AND ADJUVANTS IN LLCORN I C-400  
 CREATED: 05/22/2000 REVISED: 07/27/2000 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    | SETFA    | POLPY    | CHEAL    | AMBEL    | DATST    |
|------------|------------------------|--------------------|--------|----|----------|----------|----------|----------|----------|----------|
|            |                        | RATE               | UNIT   |    | 06/08/00 | 06/08/00 | 06/08/00 | 06/08/00 | 06/08/00 | 06/08/00 |
| 1A»        | LIBERTY                | 0.26               | LAA 12 |    | 0        | 99       | 91       | 86       | 87       | 86       |
| 2A»        | LIBERTY                | 0.26               | LAA 12 |    | 0        | 99       | 89       | 83       | 87       | 86       |
|            | B AM. SULFATE          | 1.00               | LMA 12 |    |          |          |          |          |          |          |
| 3A»        | LIBERTY                | 0.26               | LAA 12 |    | 0        | 99       | 92       | 86       | 88       | 87       |
|            | B AM. SULFATE          | 3.00               | LMA 12 |    |          |          |          |          |          |          |
| 4A»        | LIBERTY                | 0.31               | LAA 12 |    | 0        | 99       | 97       | 93       | 96       | 95       |
|            | B ATRAZINE DF          | 0.75               | LAA 12 |    |          |          |          |          |          |          |
|            | C AM. SULFATE          | 3.00               | LMA 12 |    |          |          |          |          |          |          |
| 5A»        | LIBERTY                | 0.26               | LAA 12 |    | 0        | 88       | 78       | 67       | 73       | 70       |
|            | B»DRYVE AMS            | 2.00               | LMA 12 |    |          |          |          |          |          |          |
| 6A»        | LIBERTY                | 0.31               | LAA 12 |    | 0        | 99       | 95       | 96       | 95       | 94       |
|            | B ATRAZINE DF          | 0.75               | LAA 12 |    |          |          |          |          |          |          |
|            | C»DRYVE AMS            | 2.00               | LMA 12 |    |          |          |          |          |          |          |
| 7A»        | LIBERTY                | 0.26               | LAA 12 |    | 0        | 99       | 92       | 89       | 93       | 87       |
|            | B»LI-135               | 3.00               | QMG 12 |    |          |          |          |          |          |          |
| 8A»        | LIBERTY                | 0.31               | LAA 12 |    | 0        | 99       | 98       | 96       | 98       | 96       |
|            | B ATRAZINE DF          | 0.75               | LAA 12 |    |          |          |          |          |          |          |
|            | C»LI-135               | 3.00               | QMG 12 |    |          |          |          |          |          |          |
| 9A»        | LIBERTY                | 0.26               | LAA 12 |    | 0        | 98       | 89       | 87       | 93       | 90       |
|            | B»PXL-331              | 10.00              | QMG 12 |    |          |          |          |          |          |          |
| 10A»       | LIBERTY                | 0.31               | LAA 12 |    | 0        | 98       | 98       | 97       | 97       | 98       |
|            | B ATRAZINE DF          | 0.75               | LAA 12 |    |          |          |          |          |          |          |
|            | C»PXL-331              | 10.00              | QMG 12 |    |          |          |          |          |          |          |
| 11A»       | LIBERTY                | 0.26               | LAA 12 |    | 0        | 99       | 95       | 93       | 98       | 93       |
|            | B»HM-9910              | 0.50               | PMV 12 |    |          |          |          |          |          |          |
| 12A»       | LIBERTY                | 0.31               | LAA 12 |    | 0        | 99       | 98       | 99       | 99       | 98       |
|            | B ATRAZINE DF          | 0.75               | LAA 12 |    |          |          |          |          |          |          |
|            | C»HM-9910              | 0.50               | PMV 12 |    |          |          |          |          |          |          |
| 13A»       | LIBERTY                | 0.26               | LAA 12 |    | 0        | 99       | 96       | 94       | 98       | 95       |
|            | B»HM-9743              | 0.75               | PMV 12 |    |          |          |          |          |          |          |
| 14A»       | LIBERTY                | 0.31               | LAA 12 |    | 0        | 99       | 98       | 99       | 99       | 99       |
|            | B ATRAZINE DF          | 0.75               | LAA 12 |    |          |          |          |          |          |          |
|            | C»HM-9743              | 0.75               | PMV 12 |    |          |          |          |          |          |          |
| 15A»       | LIBERTY                | 0.31               | LAA 12 |    | 0        | 98       | 93       | 89       | 94       | 92       |
|            | B ATRAZINE DF          | 0.75               | LAA 12 |    |          |          |          |          |          |          |
|            | C»CL-9913              | 2.50               | PMV 12 |    |          |          |          |          |          |          |
| 16A»       | LIBERTY                | 0.26               | LAA 12 |    | 0        | 98       | 90       | 85       | 91       | 88       |
|            | B»HM 2005-B            | 9.00               | PMG 12 |    |          |          |          |          |          |          |
| 17A»       | LIBERTY                | 0.31               | LAA 12 |    | 0        | 99       | 99       | 99       | 99       | 99       |
|            | B ATRAZINE DF          | 0.75               | LAA 12 |    |          |          |          |          |          |          |
|            | C»HM 2005-B            | 9.00               | PMG 12 |    |          |          |          |          |          |          |
| 18A»       | LIBERTY                | 0.31               | LAA 12 |    | 0        | 99       | 99       | 98       | 99       | 96       |
|            | B AM. SULFATE          | 8.50               | PMG 12 |    |          |          |          |          |          |          |
|            |                        | LSD (0.05)         |        |    | 0.00     | 3.11     | 4.90     | 6.74     | 7.06     | 5.18     |
|            |                        | STANDARD DEVIATION |        |    | 0.00     | 1.54     | 2.43     | 3.33     | 3.49     | 2.56     |

**TITLE:** CLLADJ1 LIBERTY AND ADJUVANTS IN LLCORN I C-400  
**CREATED:** 05/22/2000 **REVISED:** 07/27/2000 **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    | SETFA    | POLPY    | CHEAL    | AMBEL    | DATST    |
|------------|------------------------|--------------------|--------|----|----------|----------|----------|----------|----------|----------|
|            |                        | RATE               | UNIT   |    | 06/27/00 | 06/27/00 | 06/27/00 | 06/27/00 | 06/27/00 | 06/27/00 |
| 1A»        | LIBERTY                | 0.26               | LAA 12 |    | 0        | 92       | 77       | 60       | 80       | 63       |
| 2A»        | LIBERTY                | 0.26               | LAA 12 |    | 0        | 97       | 80       | 70       | 87       | 72       |
|            | B AM. SULFATE          | 1.00               | LMA 12 |    |          |          |          |          |          |          |
| 3A»        | LIBERTY                | 0.26               | LAA 12 |    | 0        | 96       | 80       | 70       | 89       | 67       |
|            | B AM. SULFATE          | 3.00               | LMA 12 |    |          |          |          |          |          |          |
| 4A»        | LIBERTY                | 0.31               | LAA 12 |    | 0        | 92       | 87       | 73       | 90       | 75       |
|            | B ATRAZINE DF          | 0.75               | LAA 12 |    |          |          |          |          |          |          |
|            | C AM. SULFATE          | 3.00               | LMA 12 |    |          |          |          |          |          |          |
| 5A»        | LIBERTY                | 0.26               | LAA 12 |    | 0        | 93       | 70       | 53       | 80       | 57       |
|            | B»DRYVE AMS            | 2.00               | LMA 12 |    |          |          |          |          |          |          |
| 6A»        | LIBERTY                | 0.31               | LAA 12 |    | 0        | 98       | 93       | 85       | 97       | 77       |
|            | B ATRAZINE DF          | 0.75               | LAA 12 |    |          |          |          |          |          |          |
|            | C»DRYVE AMS            | 2.00               | LMA 12 |    |          |          |          |          |          |          |
| 7A»        | LIBERTY                | 0.26               | LAA 12 |    | 0        | 93       | 80       | 72       | 88       | 70       |
|            | B»LI-135               | 3.00               | QMG 12 |    |          |          |          |          |          |          |
| 8A»        | LIBERTY                | 0.31               | LAA 12 |    | 0        | 95       | 88       | 76       | 88       | 72       |
|            | B ATRAZINE DF          | 0.75               | LAA 12 |    |          |          |          |          |          |          |
|            | C»LI-135               | 3.00               | QMG 12 |    |          |          |          |          |          |          |
| 9A»        | LIBERTY                | 0.26               | LAA 12 |    | 0        | 90       | 60       | 50       | 78       | 60       |
|            | B»PXL-331              | 10.00              | QMG 12 |    |          |          |          |          |          |          |
| 10A»       | LIBERTY                | 0.31               | LAA 12 |    | 0        | 97       | 91       | 82       | 96       | 77       |
|            | B ATRAZINE DF          | 0.75               | LAA 12 |    |          |          |          |          |          |          |
|            | C»PXL-331              | 10.00              | QMG 12 |    |          |          |          |          |          |          |
| 11A»       | LIBERTY                | 0.26               | LAA 12 |    | 0        | 99       | 80       | 70       | 95       | 75       |
|            | B»HM-9910              | 0.50               | PMV 12 |    |          |          |          |          |          |          |
| 12A»       | LIBERTY                | 0.31               | LAA 12 |    | 0        | 97       | 99       | 99       | 99       | 99       |
|            | B ATRAZINE DF          | 0.75               | LAA 12 |    |          |          |          |          |          |          |
|            | C»HM-9910              | 0.50               | PMV 12 |    |          |          |          |          |          |          |
| 13A»       | LIBERTY                | 0.26               | LAA 12 |    | 0        | 96       | 95       | 88       | 98       | 93       |
|            | B»HM-9743              | 0.75               | PMV 12 |    |          |          |          |          |          |          |
| 14A»       | LIBERTY                | 0.31               | LAA 12 |    | 0        | 97       | 98       | 99       | 99       | 98       |
|            | B ATRAZINE DF          | 0.75               | LAA 12 |    |          |          |          |          |          |          |
|            | C»HM-9743              | 0.75               | PMV 12 |    |          |          |          |          |          |          |
| 15A»       | LIBERTY                | 0.31               | LAA 12 |    | 0        | 85       | 68       | 57       | 78       | 67       |
|            | B ATRAZINE DF          | 0.75               | LAA 12 |    |          |          |          |          |          |          |
|            | C»CL-9913              | 2.50               | PMV 12 |    |          |          |          |          |          |          |
| 16A»       | LIBERTY                | 0.26               | LAA 12 |    | 0        | 87       | 77       | 67       | 87       | 68       |
|            | B»HM 2005-B            | 9.00               | PMG 12 |    |          |          |          |          |          |          |
| 17A»       | LIBERTY                | 0.31               | LAA 12 |    | 0        | 96       | 98       | 95       | 99       | 96       |
|            | B ATRAZINE DF          | 0.75               | LAA 12 |    |          |          |          |          |          |          |
|            | C»HM 2005-B            | 9.00               | PMG 12 |    |          |          |          |          |          |          |
| 18A»       | LIBERTY                | 0.31               | LAA 12 |    | 0        | 95       | 95       | 82       | 98       | 82       |
|            | B AM. SULFATE          | 8.50               | PMG 12 |    |          |          |          |          |          |          |
|            |                        | LSD (0.05)         |        |    | 0.00     | 3.78     | 8.16     | 10.29    | 5.76     | 8.94     |
|            |                        | STANDARD DEVIATION |        |    | 0.00     | 1.87     | 4.00     | 5.09     | 2.85     | 4.42     |

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

12 = ----- / POST 05/31/2000(1)

## TITLE: CLLADJ1 LIBERTY AND ADJUVANTS IN LLCORN I C-400

| H#  | CUSTOM#1 | CUSTOM#2 | EV.DATE    | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS   | C.M | CTRTR | SS | NOTE |
|-----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|-------|----|------|
| 001 | ZEAMD    |          | 06/08/2000 | 01 | P   | ZEAMD  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 002 | SETFA    |          | 06/08/2000 | 02 | P   | SETFA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 003 | POLPY    |          | 06/08/2000 | 03 | P   | POLPY  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 004 | CHEAL    |          | 06/08/2000 | 04 | P   | CHEAL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 005 | AMBEL    |          | 06/08/2000 | 05 | P   | AMBEL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 006 | DATST    |          | 06/08/2000 | 06 | P   | DATST  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 007 | ZEAMD    |          | 06/27/2000 | 01 | P   | ZEAMD  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 008 | SETFA    |          | 06/27/2000 | 02 | P   | SETFA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 009 | POLPY    |          | 06/27/2000 | 03 | P   | POLPY  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 010 | CHEAL    |          | 06/27/2000 | 04 | P   | CHEAL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 011 | AMBEL    |          | 06/27/2000 | 05 | P   | AMBEL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 012 | DATST    |          | 06/27/2000 | 06 | P   | DATST  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 33G28LL