

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIL  
PH: 6.4  
%OM: 4.8  
PREV.CROP: ZEAMD - CORN, DENT  
%RESIDUE: 0  
PLOT WIDTH: 7.5 X 36 FEET

DESIGN: RCB  
REPS: 3

| APPL. NUMBER     | 01        | 02        | 03        | 04        | UNIT |
|------------------|-----------|-----------|-----------|-----------|------|
| TIMINGS          | 09        | 11        | 12        | 13        |      |
| TYPE             | LIQMIX    | LIQMIX    | LIQMIX    | LIQMIX    |      |
| APPLICATION DATE | 05/23/06  | 06/14/06  | 06/20/06  | 07/05/06  | AME  |
| AIR TEMPERATURE  | 70        | 78        | 82        | 77        | F    |
| % REL.HUMIDITY   | 30        | 30        | 45        | 48        |      |
| WIND DIRECTION   | NORTHEAST | NORTHEAST | NA/NONE/U | NORTHEAST |      |
| WIND SPEED       | 3.0       | 2.0       | 0.0       | 7.0       | M/H  |
| CLOUD COVER      | CLEAR     | CLEAR     | CLEAR     | CLEAR     |      |
| DEW              | NO        | NO        | NO        | NO        |      |
| SOIL MOISTURE    | DRY/MOIST | DRY/MOIST | DRY/MOIST | MOIST/MOI |      |
| SOIL CONDITION   | ---       | ---       | ---       | ---       |      |
| METHOD           | SPRAY     | SPRAY     | SPRAY     | SPRAY     |      |
| EQUIPMENT        | SPRBAC    | SPRBAC    | SPRBAC    | SPRBAC    |      |
| PROPELLANT       | COMCO2    | COMCO2    | COMCO2    | COMCO2    |      |
| PLACEMENT        | BRFOSO    | BRFOSO    | BRFOSO    | BRFOSO    |      |
| NOZZLE           | FLATFAN   | FLATFAN   | FLATFAN   | FLATFAN   |      |
| NOZZLE NUMBER    | 5         | 5         | 5         | 5         |      |
| NOZZLE SPACING   | 18.000    | 18.000    | 18.000    | 18.000    | IN   |
| SWATH WIDTH      | 7.5       | 7.5       | 7.5       | 7.5       | FT   |
| SPRAY VOLUME     | 20.00     | 20.00     | 20.00     | 20.00     |      |
| VOLUME UNIT      | GPA       | GPA       | GPA       | GPA       |      |
| PRESSURE         | 42.00     | 42.00     | 42.00     | 42.00     | PSI  |
| DILUENT          | WATER     | WATER     | WATER     | WATER     |      |
| INC. DATE        |           |           |           |           | AME  |
| INC. START       |           |           |           |           | 24H  |
| INC. END         |           |           |           |           | 24H  |
| INC. DEPTH       |           |           |           |           | IN   |
| INC. EQUIPMENT   | ---       | ---       | ---       | ---       |      |
| DENSITY /        |           |           |           |           |      |
| *** CROP ***     |           |           |           |           |      |
| SOYBEAN          |           | ---/14    | ---/14    | ---/16    |      |
| FS 3346RR        |           | 5.00/5.00 | 6.00/8.00 | 14.0/14.0 | IN   |
| 05/22/2006       |           |           |           |           |      |
| *** PEST ***     |           |           |           |           |      |
| VELVETLEAF       |           | ---/12    | ---/16    | ---/12    |      |
|                  |           | 1.00/2.00 | 3.00/6.00 | 1.00/3.00 | IN   |
| RAGWEED, COMMON  |           | ---/12    | ---/16    | ---/14    |      |
|                  |           | 1.00/3.00 | 3.00/6.00 | 2.00/4.00 | IN   |
| LAMBSQUARTERS, C |           | ---/16    | ---/19    | ---/00    |      |
|                  |           | 1.00/1.00 | 1.00/3.00 | /         | IN   |
| MORNINGGLORY, TA |           | ---/16    | ---/19    | ---/15    |      |
|                  |           | 1.00/2.00 | 2.00/4.00 | 1.00/2.00 | IN   |
| FOXTAIL, GIANT   |           | ---/13    | ---/16    | ---/12    |      |
|                  |           | 1.00/4.00 | 4.00/8.00 | 2.00/4.00 | IN   |

## \* TIMING CODES

09 = ----- / PREEMERGENCE  
11 = ----- / EPOST  
12 = ----- / POST  
13 = ----- / LPOST

## \* STAGE CODE

00 = DRY SEED; DORMANCY  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3 LEAVES UNFOLDED  
14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES  
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:** Weed Control Systems in Glyphosate-Resistant Soybean I. C-500  
**CREATED:** 05/02/2006 **REVISED:** 12/06/2006 **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  | TREATMENT        | DOSAGE |      | GLXMA | SETFA    | CHEAL    | AMBEL    | ABUTH    | PHBPU    |
|------|------------------|--------|------|-------|----------|----------|----------|----------|----------|
| NUM  | COMPONENT        | RATE   | UNIT | TM    | CON %    | CON %    | CON %    | CON %    | CON %    |
|      |                  |        |      |       | 06/20/06 | 06/20/06 | 06/20/06 | 06/20/06 | 06/20/06 |
| 1A   | DOMAIN 60DF      | 0.38   | LAA  | 9     | 0        | 68       | 86       | 50       | 0        |
|      | B»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | C»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 2A   | DOMAIN 60DF      | 0.45   | LAA  | 9     | 0        | 73       | 90       | 62       | 0        |
|      | B»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | C»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 3A   | DOMAIN 60DF      | 0.53   | LAA  | 9     | 0        | 79       | 99       | 73       | 0        |
|      | B»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | C»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 4A   | DOMAIN 60DF      | 0.60   | LAA  | 9     | 0        | 84       | 99       | 78       | 33       |
|      | B»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | C»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 5A   | DOMAIN 60DF      | 0.38   | LAA  | 9     | 0        | 81       | 99       | 81       | 55       |
|      | B SCEPTER 70DG   | 0.063  | LAA  | 9     |          |          |          |          |          |
|      | C»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | D»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 6A   | DOMAIN 60DF      | 0.45   | LAA  | 9     | 0        | 72       | 99       | 78       | 57       |
|      | B SCEPTER 70DG   | 0.063  | LAA  | 9     |          |          |          |          |          |
|      | C»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | D»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 7A   | DOMAIN 60DF      | 0.53   | LAA  | 9     | 0        | 78       | 99       | 88       | 70       |
|      | B SCEPTER 70DG   | 0.063  | LAA  | 9     |          |          |          |          |          |
|      | C»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | D»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 8A   | DOMAIN 60DF      | 0.60   | LAA  | 9     | 0        | 85       | 99       | 84       | 70       |
|      | B SCEPTER 70DG   | 0.063  | LAA  | 9     |          |          |          |          |          |
|      | C»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | D»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 9A   | DOMAIN 60DF      | 0.53   | LAA  | 9     | 0        | 89       | 99       | 94       | 94       |
|      | B SCEPTER 70DG   | 0.12   | LAA  | 9     |          |          |          |          |          |
|      | C»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | D»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 10A  | DOMAIN 60DF      | 0.45   | LAA  | 9     | 0        | 86       | 99       | 90       | 88       |
|      | B»ENCOMPASS 51WG | 0.064  | LAA  | 9     |          |          |          |          |          |
|      | C»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | D»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 11A  | OUTLOOK 6EC      | 0.72   | LAA  | 9     | 0        | 93       | 95       | 66       | 0        |
|      | B»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | C»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 12A  | DOMAIN 60DF      | 0.45   | LAA  | 9     | 0        | 90       | 99       | 70       | 37       |
|      | B»ACUMEN 3.3L    | 0.83   | LAA  | 9     |          |          |          |          |          |
|      | C»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | D»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 13A» | ENCOMPASS 51WG   | 0.064  | LAA  | 9     | 0        | 50       | 92       | 70       | 30       |
|      | B»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | C»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 14A» | ENCOMPASS 51WG   | 0.064  | LAA  | 9     | 0        | 72       | 99       | 89       | 79       |
|      | B SCEPTER 70DG   | 0.063  | LAA  | 9     |          |          |          |          |          |
|      | C»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | D»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 15A» | PREFIX 5.32SL    | 1.34   | LAA  | 9     | 0        | 94       | 98       | 94       | 67       |
|      | B»TOUCHDN TOTAL  | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV  | 12    |          |          |          |          |          |

TITLE: Weed Control Systems in Glyphosate-Resistant Soybean I. C-500

| TRT                | TREATMENT        |  | DOSAGE |         | GLXMA    | SETFA    | CHEAL    | AMBEL    | ABUTH    | PHBPU    |
|--------------------|------------------|--|--------|---------|----------|----------|----------|----------|----------|----------|
| NUM                | COMPONENT        |  | RATE   | UNIT TM | CON %    | CON %    | CON %    | CON %    | CON %    | CON %    |
|                    |                  |  |        |         | 06/20/06 | 06/20/06 | 06/20/06 | 06/20/06 | 06/20/06 | 06/20/06 |
| 16A»               | METRI DF 75D     |  | 0.032  | LAA 9   | 0        | 99       | 99       | 99       | 97       | 90       |
|                    | B»WEATHERMAX 4.5 |  | 0.75   | LAA 11  |          |          |          |          |          |          |
|                    | C»LIQUID AMS     |  | 2.50   | PMV 11  |          |          |          |          |          |          |
|                    | D»WEATHERMAX 4.5 |  | 0.75   | LAA 13  |          |          |          |          |          |          |
|                    | E»LIQUID AMS     |  | 2.50   | PMV 13  |          |          |          |          |          |          |
| 17A»               | METRI DF 75D     |  | 0.032  | LAA 9   | 0        | 99       | 99       | 97       | 97       | 85       |
|                    | B»WEATHERMAX 4.5 |  | 0.75   | LAA 11  |          |          |          |          |          |          |
|                    | C»LIQUID AMS     |  | 2.50   | PMV 11  |          |          |          |          |          |          |
|                    | D»WEATHERMAX 4.5 |  | 0.75   | LAA 13  |          |          |          |          |          |          |
|                    | E ULTRA BLAZER   |  | 0.31   | LAA 13  |          |          |          |          |          |          |
|                    | F»LIQUID AMS     |  | 2.50   | PMV 13  |          |          |          |          |          |          |
| 18A»               | METRI DF 75D     |  | 0.032  | LAA 9   | 15       | 99       | 99       | 99       | 99       | 98       |
|                    | B»WEATHERMAX 4.5 |  | 0.75   | LAA 11  |          |          |          |          |          |          |
|                    | C ULTRA BLAZER   |  | 0.19   | LAA 11  |          |          |          |          |          |          |
|                    | D»LIQUID AMS     |  | 2.50   | PMV 11  |          |          |          |          |          |          |
|                    | E»WEATHERMAX 4.5 |  | 0.75   | LAA 13  |          |          |          |          |          |          |
|                    | F»LIQUID AMS     |  | 2.50   | PMV 13  |          |          |          |          |          |          |
| 19A»               | METRI DF 75D     |  | 0.032  | LAA 9   | 13       | 99       | 99       | 99       | 99       | 97       |
|                    | B»WEATHERMAX 4.5 |  | 0.75   | LAA 11  |          |          |          |          |          |          |
|                    | C ULTRA BLAZER   |  | 0.19   | LAA 11  |          |          |          |          |          |          |
|                    | D»LIQUID AMS     |  | 2.50   | PMV 11  |          |          |          |          |          |          |
|                    | E»WEATHERMAX 4.5 |  | 0.75   | LAA 13  |          |          |          |          |          |          |
|                    | F ULTRA BLAZER   |  | 0.31   | LAA 13  |          |          |          |          |          |          |
|                    | G»LIQUID AMS     |  | 2.50   | PMV 13  |          |          |          |          |          |          |
| 20A»               | SPARTAN 4L       |  | 0.167  | LAA 9   | 0        | 27       | 84       | 47       | 60       | 52       |
|                    | B SENCOR 75WG    |  | 0.098  | LAA 9   |          |          |          |          |          |          |
|                    | C»WEATHERMAX 4.5 |  | 0.75   | LAA 12  |          |          |          |          |          |          |
|                    | D»LIQUID AMS     |  | 2.50   | PMV 12  |          |          |          |          |          |          |
| 21A                | PURSUIT +        |  | 0.91   | LAA 9   | 0        | 78       | 98       | 62       | 68       | 50       |
|                    | B»WEATHERMAX 4.5 |  | 0.75   | LAA 12  |          |          |          |          |          |          |
|                    | C»LIQUID AMS     |  | 2.50   | PMV 12  |          |          |          |          |          |          |
| 22A                | CHECK            |  | 0.00   | NA 0    | 0        | 0        | 0        | 0        | 0        | 0        |
| 23A»               | WEATHERMAX 4.5   |  | 0.75   | LAA 11  | 13       | 99       | 99       | 99       | 99       | 98       |
|                    | B ULTRA BLAZER   |  | 0.19   | LAA 11  |          |          |          |          |          |          |
|                    | C»LIQUID AMS     |  | 2.50   | PMV 11  |          |          |          |          |          |          |
|                    | D»WEATHERMAX 4.5 |  | 0.75   | LAA 13  |          |          |          |          |          |          |
|                    | E ULTRA BLAZER   |  | 0.31   | LAA 13  |          |          |          |          |          |          |
|                    | F»LIQUID AMS     |  | 2.50   | PMV 13  |          |          |          |          |          |          |
| 24A»               | BUCCANEER PLUS   |  | 0.75   | LAA 11  | 0        | 99       | 99       | 96       | 96       | 85       |
|                    | B»ARRAY          |  | 9.00   | PMG 11  |          |          |          |          |          |          |
|                    | C»BUCCANEER PLUS |  | 0.75   | LAA 13  |          |          |          |          |          |          |
|                    | D»ARRAY          |  | 9.00   | PMG 13  |          |          |          |          |          |          |
| LSD (0.05)         |                  |  |        |         | 1.38     | 6.40     | 6.38     | 10.36    | 12.07    | 10.00    |
| STANDARD DEVIATION |                  |  |        |         | 0.688    | 3.20     | 3.19     | 5.18     | 6.00     | 5.00     |

**TITLE:** Weed Control Systems in Glyphosate-Resistant Soybean I. C-500  
**CREATED:** 05/02/2006 **REVISED:** 12/06/2006 **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  | TREATMENT        | DOSAGE |      | GLXMA | SETFA    | CHEAL    | AMBEL    | ABUTH    | PHBPU    |
|------|------------------|--------|------|-------|----------|----------|----------|----------|----------|
| NUM  | COMPONENT        | RATE   | UNIT | TM    | CON %    | CON %    | CON %    | CON %    | CON %    |
|      |                  |        |      |       | 06/30/06 | 06/30/06 | 06/30/06 | 06/30/06 | 06/30/06 |
| 1A   | DOMAIN 60DF      | 0.38   | LAA  | 9     | 0        | 99       | 99       | 99       | 86       |
|      | B»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | C»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 2A   | DOMAIN 60DF      | 0.45   | LAA  | 9     | 0        | 99       | 99       | 99       | 88       |
|      | B»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | C»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 3A   | DOMAIN 60DF      | 0.53   | LAA  | 9     | 0        | 99       | 99       | 99       | 88       |
|      | B»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | C»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 4A   | DOMAIN 60DF      | 0.60   | LAA  | 9     | 0        | 99       | 99       | 99       | 87       |
|      | B»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | C»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 5A   | DOMAIN 60DF      | 0.38   | LAA  | 9     | 0        | 99       | 99       | 99       | 95       |
|      | B SCEPTER 70DG   | 0.063  | LAA  | 9     |          |          |          |          |          |
|      | C»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | D»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 6A   | DOMAIN 60DF      | 0.45   | LAA  | 9     | 0        | 99       | 99       | 99       | 92       |
|      | B SCEPTER 70DG   | 0.063  | LAA  | 9     |          |          |          |          |          |
|      | C»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | D»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 7A   | DOMAIN 60DF      | 0.53   | LAA  | 9     | 0        | 99       | 99       | 99       | 90       |
|      | B SCEPTER 70DG   | 0.063  | LAA  | 9     |          |          |          |          |          |
|      | C»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | D»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 8A   | DOMAIN 60DF      | 0.60   | LAA  | 9     | 0        | 99       | 99       | 99       | 90       |
|      | B SCEPTER 70DG   | 0.063  | LAA  | 9     |          |          |          |          |          |
|      | C»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | D»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 9A   | DOMAIN 60DF      | 0.53   | LAA  | 9     | 0        | 99       | 99       | 99       | 96       |
|      | B SCEPTER 70DG   | 0.12   | LAA  | 9     |          |          |          |          |          |
|      | C»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | D»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 10A  | DOMAIN 60DF      | 0.45   | LAA  | 9     | 0        | 99       | 99       | 99       | 95       |
|      | B»ENCOMPASS 51WG | 0.064  | LAA  | 9     |          |          |          |          |          |
|      | C»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | D»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 11A  | OUTLOOK 6EC      | 0.72   | LAA  | 9     | 0        | 99       | 99       | 96       | 82       |
|      | B»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | C»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 12A  | DOMAIN 60DF      | 0.45   | LAA  | 9     | 0        | 99       | 99       | 99       | 87       |
|      | B»ACUMEN 3.3L    | 0.83   | LAA  | 9     |          |          |          |          |          |
|      | C»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | D»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 13A» | ENCOMPASS 51WG   | 0.064  | LAA  | 9     | 0        | 97       | 99       | 99       | 94       |
|      | B»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | C»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 14A» | ENCOMPASS 51WG   | 0.064  | LAA  | 9     | 0        | 96       | 99       | 94       | 95       |
|      | B SCEPTER 70DG   | 0.063  | LAA  | 9     |          |          |          |          |          |
|      | C»BUCCANEER PLUS | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | D»ARRAY          | 9.00   | PMG  | 12    |          |          |          |          |          |
| 15A» | PREFIX 5.32SL    | 1.34   | LAA  | 9     | 0        | 99       | 99       | 99       | 86       |
|      | B»TOUCHDN TOTAL  | 0.75   | LAA  | 12    |          |          |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV  | 12    |          |          |          |          |          |

TITLE: Weed Control Systems in Glyphosate-Resistant Soybean I. C-500

| TRT                | TREATMENT        |  | DOSAGE |      |    | GLXMA    | SETFA    | CHEAL    | AMBEL    | ABUTH    | PHBPU    |
|--------------------|------------------|--|--------|------|----|----------|----------|----------|----------|----------|----------|
| NUM                | COMPONENT        |  | RATE   | UNIT | TM | CON %    | CON %    | CON %    | CON %    | CON %    | CON %    |
|                    |                  |  |        |      |    | 06/30/06 | 06/30/06 | 06/30/06 | 06/30/06 | 06/30/06 | 06/30/06 |
| 16A»               | METRI DF 75D     |  | 0.032  | LAA  | 9  | 0        | 95       | 99       | 97       | 96       | 91       |
|                    | B»WEATHERMAX 4.5 |  | 0.75   | LAA  | 11 |          |          |          |          |          |          |
|                    | C»LIQUID AMS     |  | 2.50   | PMV  | 11 |          |          |          |          |          |          |
|                    | D»WEATHERMAX 4.5 |  | 0.75   | LAA  | 13 |          |          |          |          |          |          |
|                    | E»LIQUID AMS     |  | 2.50   | PMV  | 13 |          |          |          |          |          |          |
| 17A»               | METRI DF 75D     |  | 0.032  | LAA  | 9  | 0        | 97       | 99       | 98       | 98       | 93       |
|                    | B»WEATHERMAX 4.5 |  | 0.75   | LAA  | 11 |          |          |          |          |          |          |
|                    | C»LIQUID AMS     |  | 2.50   | PMV  | 11 |          |          |          |          |          |          |
|                    | D»WEATHERMAX 4.5 |  | 0.75   | LAA  | 13 |          |          |          |          |          |          |
|                    | E ULTRA BLAZER   |  | 0.31   | LAA  | 13 |          |          |          |          |          |          |
|                    | F»LIQUID AMS     |  | 2.50   | PMV  | 13 |          |          |          |          |          |          |
| 18A»               | METRI DF 75D     |  | 0.032  | LAA  | 9  | 7        | 97       | 99       | 99       | 99       | 95       |
|                    | B»WEATHERMAX 4.5 |  | 0.75   | LAA  | 11 |          |          |          |          |          |          |
|                    | C ULTRA BLAZER   |  | 0.19   | LAA  | 11 |          |          |          |          |          |          |
|                    | D»LIQUID AMS     |  | 2.50   | PMV  | 11 |          |          |          |          |          |          |
|                    | E»WEATHERMAX 4.5 |  | 0.75   | LAA  | 13 |          |          |          |          |          |          |
|                    | F»LIQUID AMS     |  | 2.50   | PMV  | 13 |          |          |          |          |          |          |
| 19A»               | METRI DF 75D     |  | 0.032  | LAA  | 9  | 9        | 96       | 99       | 99       | 99       | 94       |
|                    | B»WEATHERMAX 4.5 |  | 0.75   | LAA  | 11 |          |          |          |          |          |          |
|                    | C ULTRA BLAZER   |  | 0.19   | LAA  | 11 |          |          |          |          |          |          |
|                    | D»LIQUID AMS     |  | 2.50   | PMV  | 11 |          |          |          |          |          |          |
|                    | E»WEATHERMAX 4.5 |  | 0.75   | LAA  | 13 |          |          |          |          |          |          |
|                    | F ULTRA BLAZER   |  | 0.31   | LAA  | 13 |          |          |          |          |          |          |
|                    | G»LIQUID AMS     |  | 2.50   | PMV  | 13 |          |          |          |          |          |          |
| 20A»               | SPARTAN 4L       |  | 0.167  | LAA  | 9  | 0        | 99       | 99       | 98       | 98       | 94       |
|                    | B SENCOR 75WG    |  | 0.098  | LAA  | 9  |          |          |          |          |          |          |
|                    | C»WEATHERMAX 4.5 |  | 0.75   | LAA  | 12 |          |          |          |          |          |          |
|                    | D»LIQUID AMS     |  | 2.50   | PMV  | 12 |          |          |          |          |          |          |
| 21A                | PURSUIT +        |  | 0.91   | LAA  | 9  | 0        | 99       | 99       | 99       | 99       | 93       |
|                    | B»WEATHERMAX 4.5 |  | 0.75   | LAA  | 12 |          |          |          |          |          |          |
|                    | C»LIQUID AMS     |  | 2.50   | PMV  | 12 |          |          |          |          |          |          |
| 22A                | CHECK            |  | 0.00   | NA   | 0  | 0        | 0        | 0        | 0        | 0        | 0        |
| 23A»               | WEATHERMAX 4.5   |  | 0.75   | LAA  | 11 | 8        | 96       | 99       | 98       | 96       | 96       |
|                    | B ULTRA BLAZER   |  | 0.19   | LAA  | 11 |          |          |          |          |          |          |
|                    | C»LIQUID AMS     |  | 2.50   | PMV  | 11 |          |          |          |          |          |          |
|                    | D»WEATHERMAX 4.5 |  | 0.75   | LAA  | 13 |          |          |          |          |          |          |
|                    | E ULTRA BLAZER   |  | 0.31   | LAA  | 13 |          |          |          |          |          |          |
|                    | F»LIQUID AMS     |  | 2.50   | PMV  | 13 |          |          |          |          |          |          |
| 24A»               | BUCCANEER PLUS   |  | 0.75   | LAA  | 11 | 0        | 83       | 99       | 86       | 88       | 88       |
|                    | B»ARRAY          |  | 9.00   | PMG  | 11 |          |          |          |          |          |          |
|                    | C»BUCCANEER PLUS |  | 0.75   | LAA  | 13 |          |          |          |          |          |          |
|                    | D»ARRAY          |  | 9.00   | PMG  | 13 |          |          |          |          |          |          |
| LSD (0.05)         |                  |  |        |      |    | 1.58     | 2.74     | 0.00     | 2.13     | 2.12     | 7.48     |
| STANDARD DEVIATION |                  |  |        |      |    | 0.791    | 1.37     | 0.00     | 1.07     | 1.06     | 3.74     |

**TITLE:** Weed Control Systems in Glyphosate-Resistant Soybean I. C-500  
**CREATED:** 05/02/2006 **REVISED:** 12/06/2006 **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  | TREATMENT        | DOSAGE | GLXMA | SETFA | CHEAL    | AMBEL    | ABUTH    | PHBPU    |    |    |
|------|------------------|--------|-------|-------|----------|----------|----------|----------|----|----|
| NUM  | COMPONENT        | RATE   | UNIT  | TM    | CON %    | CON %    | CON %    | CON %    |    |    |
|      |                  |        |       |       | 07/21/06 | 07/21/06 | 07/21/06 | 07/21/06 |    |    |
| 1A   | DOMAIN 60DF      | 0.38   | LAA   | 9     | 6        | 90       | 98       | 96       | 96 | 82 |
|      | B»BUCCANEER PLUS | 0.75   | LAA   | 12    |          |          |          |          |    |    |
|      | C»ARRAY          | 9.00   | PMG   | 12    |          |          |          |          |    |    |
| 2A   | DOMAIN 60DF      | 0.45   | LAA   | 9     | 3        | 92       | 99       | 96       | 98 | 85 |
|      | B»BUCCANEER PLUS | 0.75   | LAA   | 12    |          |          |          |          |    |    |
|      | C»ARRAY          | 9.00   | PMG   | 12    |          |          |          |          |    |    |
| 3A   | DOMAIN 60DF      | 0.53   | LAA   | 9     | 4        | 93       | 99       | 94       | 99 | 86 |
|      | B»BUCCANEER PLUS | 0.75   | LAA   | 12    |          |          |          |          |    |    |
|      | C»ARRAY          | 9.00   | PMG   | 12    |          |          |          |          |    |    |
| 4A   | DOMAIN 60DF      | 0.60   | LAA   | 9     | 7        | 94       | 99       | 99       | 99 | 85 |
|      | B»BUCCANEER PLUS | 0.75   | LAA   | 12    |          |          |          |          |    |    |
|      | C»ARRAY          | 9.00   | PMG   | 12    |          |          |          |          |    |    |
| 5A   | DOMAIN 60DF      | 0.38   | LAA   | 9     | 0        | 95       | 99       | 98       | 99 | 93 |
|      | B SCEPTER 70DG   | 0.063  | LAA   | 9     |          |          |          |          |    |    |
|      | C»BUCCANEER PLUS | 0.75   | LAA   | 12    |          |          |          |          |    |    |
|      | D»ARRAY          | 9.00   | PMG   | 12    |          |          |          |          |    |    |
| 6A   | DOMAIN 60DF      | 0.45   | LAA   | 9     | 1        | 92       | 99       | 99       | 99 | 90 |
|      | B SCEPTER 70DG   | 0.063  | LAA   | 9     |          |          |          |          |    |    |
|      | C»BUCCANEER PLUS | 0.75   | LAA   | 12    |          |          |          |          |    |    |
|      | D»ARRAY          | 9.00   | PMG   | 12    |          |          |          |          |    |    |
| 7A   | DOMAIN 60DF      | 0.53   | LAA   | 9     | 1        | 93       | 99       | 99       | 99 | 89 |
|      | B SCEPTER 70DG   | 0.063  | LAA   | 9     |          |          |          |          |    |    |
|      | C»BUCCANEER PLUS | 0.75   | LAA   | 12    |          |          |          |          |    |    |
|      | D»ARRAY          | 9.00   | PMG   | 12    |          |          |          |          |    |    |
| 8A   | DOMAIN 60DF      | 0.60   | LAA   | 9     | 2        | 90       | 99       | 97       | 99 | 89 |
|      | B SCEPTER 70DG   | 0.063  | LAA   | 9     |          |          |          |          |    |    |
|      | C»BUCCANEER PLUS | 0.75   | LAA   | 12    |          |          |          |          |    |    |
|      | D»ARRAY          | 9.00   | PMG   | 12    |          |          |          |          |    |    |
| 9A   | DOMAIN 60DF      | 0.53   | LAA   | 9     | 0        | 98       | 99       | 99       | 99 | 96 |
|      | B SCEPTER 70DG   | 0.12   | LAA   | 9     |          |          |          |          |    |    |
|      | C»BUCCANEER PLUS | 0.75   | LAA   | 12    |          |          |          |          |    |    |
|      | D»ARRAY          | 9.00   | PMG   | 12    |          |          |          |          |    |    |
| 10A  | DOMAIN 60DF      | 0.45   | LAA   | 9     | 0        | 96       | 99       | 99       | 99 | 93 |
|      | B»ENCOMPASS 51WG | 0.064  | LAA   | 9     |          |          |          |          |    |    |
|      | C»BUCCANEER PLUS | 0.75   | LAA   | 12    |          |          |          |          |    |    |
|      | D»ARRAY          | 9.00   | PMG   | 12    |          |          |          |          |    |    |
| 11A  | OUTLOOK 6EC      | 0.72   | LAA   | 9     | 6        | 96       | 99       | 95       | 98 | 86 |
|      | B»BUCCANEER PLUS | 0.75   | LAA   | 12    |          |          |          |          |    |    |
|      | C»ARRAY          | 9.00   | PMG   | 12    |          |          |          |          |    |    |
| 12A  | DOMAIN 60DF      | 0.45   | LAA   | 9     | 1        | 98       | 99       | 98       | 98 | 89 |
|      | B»ACUMEN 3.3L    | 0.83   | LAA   | 9     |          |          |          |          |    |    |
|      | C»BUCCANEER PLUS | 0.75   | LAA   | 12    |          |          |          |          |    |    |
|      | D»ARRAY          | 9.00   | PMG   | 12    |          |          |          |          |    |    |
| 13A» | ENCOMPASS 51WG   | 0.064  | LAA   | 9     | 3        | 94       | 99       | 97       | 99 | 89 |
|      | B»BUCCANEER PLUS | 0.75   | LAA   | 12    |          |          |          |          |    |    |
|      | C»ARRAY          | 9.00   | PMG   | 12    |          |          |          |          |    |    |
| 14A» | ENCOMPASS 51WG   | 0.064  | LAA   | 9     | 0        | 93       | 99       | 99       | 99 | 94 |
|      | B SCEPTER 70DG   | 0.063  | LAA   | 9     |          |          |          |          |    |    |
|      | C»BUCCANEER PLUS | 0.75   | LAA   | 12    |          |          |          |          |    |    |
|      | D»ARRAY          | 9.00   | PMG   | 12    |          |          |          |          |    |    |
| 15A» | PREFIX 5.32SL    | 1.34   | LAA   | 9     | 3        | 98       | 99       | 99       | 99 | 84 |
|      | B»TOUCHDN TOTAL  | 0.75   | LAA   | 12    |          |          |          |          |    |    |
|      | C»LIQUID AMS     | 2.50   | PMV   | 12    |          |          |          |          |    |    |

## TITLE: Weed Control Systems in Glyphosate-Resistant Soybean I. C-500

| TRT                | TREATMENT        |  | DOSAGE |      | GLXMA | SETFA    | CHEAL    | AMBEL    | ABUTH    | PHBPU    |
|--------------------|------------------|--|--------|------|-------|----------|----------|----------|----------|----------|
| NUM                | COMPONENT        |  | RATE   | UNIT | TM    | CON %    | CON %    | CON %    | CON %    | CON %    |
|                    |                  |  |        |      |       | 07/21/06 | 07/21/06 | 07/21/06 | 07/21/06 | 07/21/06 |
| 16A»               | METRI DF 75D     |  | 0.032  | LAA  | 9     | 2        | 98       | 99       | 99       | 93       |
|                    | B»WEATHERMAX 4.5 |  | 0.75   | LAA  | 11    |          |          |          |          |          |
|                    | C»LIQUID AMS     |  | 2.50   | PMV  | 11    |          |          |          |          |          |
|                    | D»WEATHERMAX 4.5 |  | 0.75   | LAA  | 13    |          |          |          |          |          |
|                    | E»LIQUID AMS     |  | 2.50   | PMV  | 13    |          |          |          |          |          |
| 17A»               | METRI DF 75D     |  | 0.032  | LAA  | 9     | 3        | 99       | 99       | 99       | 94       |
|                    | B»WEATHERMAX 4.5 |  | 0.75   | LAA  | 11    |          |          |          |          |          |
|                    | C»LIQUID AMS     |  | 2.50   | PMV  | 11    |          |          |          |          |          |
|                    | D»WEATHERMAX 4.5 |  | 0.75   | LAA  | 13    |          |          |          |          |          |
|                    | E ULTRA BLAZER   |  | 0.31   | LAA  | 13    |          |          |          |          |          |
|                    | F»LIQUID AMS     |  | 2.50   | PMV  | 13    |          |          |          |          |          |
| 18A»               | METRI DF 75D     |  | 0.032  | LAA  | 9     | 7        | 99       | 99       | 99       | 92       |
|                    | B»WEATHERMAX 4.5 |  | 0.75   | LAA  | 11    |          |          |          |          |          |
|                    | C ULTRA BLAZER   |  | 0.19   | LAA  | 11    |          |          |          |          |          |
|                    | D»LIQUID AMS     |  | 2.50   | PMV  | 11    |          |          |          |          |          |
|                    | E»WEATHERMAX 4.5 |  | 0.75   | LAA  | 13    |          |          |          |          |          |
|                    | F»LIQUID AMS     |  | 2.50   | PMV  | 13    |          |          |          |          |          |
| 19A»               | METRI DF 75D     |  | 0.032  | LAA  | 9     | 8        | 99       | 99       | 99       | 93       |
|                    | B»WEATHERMAX 4.5 |  | 0.75   | LAA  | 11    |          |          |          |          |          |
|                    | C ULTRA BLAZER   |  | 0.19   | LAA  | 11    |          |          |          |          |          |
|                    | D»LIQUID AMS     |  | 2.50   | PMV  | 11    |          |          |          |          |          |
|                    | E»WEATHERMAX 4.5 |  | 0.75   | LAA  | 13    |          |          |          |          |          |
|                    | F ULTRA BLAZER   |  | 0.31   | LAA  | 13    |          |          |          |          |          |
|                    | G»LIQUID AMS     |  | 2.50   | PMV  | 13    |          |          |          |          |          |
| 20A»               | SPARTAN 4L       |  | 0.167  | LAA  | 9     | 1        | 97       | 99       | 96       | 91       |
|                    | B SENCOR 75WG    |  | 0.098  | LAA  | 9     |          |          |          |          |          |
|                    | C»WEATHERMAX 4.5 |  | 0.75   | LAA  | 12    |          |          |          |          |          |
|                    | D»LIQUID AMS     |  | 2.50   | PMV  | 12    |          |          |          |          |          |
| 21A                | PURSUIT +        |  | 0.91   | LAA  | 9     | 0        | 97       | 99       | 97       | 94       |
|                    | B»WEATHERMAX 4.5 |  | 0.75   | LAA  | 12    |          |          |          |          |          |
|                    | C»LIQUID AMS     |  | 2.50   | PMV  | 12    |          |          |          |          |          |
| 22A                | CHECK            |  | 0.00   | NA   | 0     | 0        | 0        | 0        | 0        | 0        |
| 23A»               | WEATHERMAX 4.5   |  | 0.75   | LAA  | 11    | 7        | 99       | 99       | 99       | 93       |
|                    | B ULTRA BLAZER   |  | 0.19   | LAA  | 11    |          |          |          |          |          |
|                    | C»LIQUID AMS     |  | 2.50   | PMV  | 11    |          |          |          |          |          |
|                    | D»WEATHERMAX 4.5 |  | 0.75   | LAA  | 13    |          |          |          |          |          |
|                    | E ULTRA BLAZER   |  | 0.31   | LAA  | 13    |          |          |          |          |          |
|                    | F»LIQUID AMS     |  | 2.50   | PMV  | 13    |          |          |          |          |          |
| 24A»               | BUCCANEER PLUS   |  | 0.75   | LAA  | 11    | 4        | 99       | 99       | 99       | 94       |
|                    | B»ARRAY          |  | 9.00   | PMG  | 11    |          |          |          |          |          |
|                    | C»BUCCANEER PLUS |  | 0.75   | LAA  | 13    |          |          |          |          |          |
|                    | D»ARRAY          |  | 9.00   | PMG  | 13    |          |          |          |          |          |
| LSD (0.05)         |                  |  |        |      |       | 5.23     | 2.74     | 0.475    | 2.00     | 0.773    |
| STANDARD DEVIATION |                  |  |        |      |       | 2.61     | 1.37     | 0.237    | 1.00     | 0.386    |
|                    |                  |  |        |      |       |          |          |          |          | 6.28     |
|                    |                  |  |        |      |       |          |          |          |          | 3.14     |

» = SUPPLEMENTAL CHEMICAL

## \* TIMING CODES

00 = ----- / UNTREATED TIMING  
 09 = ----- / PREEMERGENCE 05/23/2006(1)  
 11 = ----- / EPOST 06/14/2006(2)  
 12 = ----- / POST 06/20/2006(3)  
 13 = ----- / LPOST 07/05/2006(4)

| H#  | CUSTOM#1 | CUSTOM#2 | EV.DATE    | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS   | C.M | CTRT | SS | NOTE |
|-----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|------|----|------|
| 001 | GLXMA    | CON %    | 06/20/2006 | 01 | P   | GLXMA  | 14    | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 002 | SETFA    | CON %    | 06/20/2006 | 02 | P   | SETFA  | 16    | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 003 | CHEAL    | CON %    | 06/20/2006 | 03 | P   | CHEAL  | 19    | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 004 | AMBEL    | CON %    | 06/20/2006 | 04 | P   | AMBEL  | 16    | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 005 | ABUTH    | CON %    | 06/20/2006 | 05 | P   | ABUTH  | 16    | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 006 | PHBPU    | CON %    | 06/20/2006 | 06 | P   | PHBPU  | 19    | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |

TITLE: Weed Control Systems in Glyphosate-Resistant Soybean I. C-500

| H#  | CUSTOM#1 | CUSTOM#2 | EV.DATE    | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS   | C.M | CTRT | SS | NOTE |
|-----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|------|----|------|
| 007 | GLXMA    | CON %    | 06/30/2006 | 01 | P   | GLXMA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 008 | SETFA    | CON %    | 06/30/2006 | 02 | P   | SETFA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 009 | CHEAL    | CON %    | 06/30/2006 | 03 | P   | CHEAL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 010 | AMBEL    | CON %    | 06/30/2006 | 04 | P   | AMBEL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 011 | ABUTH    | CON %    | 06/30/2006 | 05 | P   | ABUTH  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 012 | PHBPU    | CON %    | 06/30/2006 | 06 | P   | PHBPU  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 013 | GLXMA    | CON %    | 07/21/2006 | 01 | P   | GLXMA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 014 | SETFA    | CON %    | 07/21/2006 | 02 | P   | SETFA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 015 | CHEAL    | CON %    | 07/21/2006 | 03 | P   | CHEAL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 016 | AMBEL    | CON %    | 07/21/2006 | 04 | P   | AMBEL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 017 | ABUTH    | CON %    | 07/21/2006 | 05 | P   | ABUTH  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 018 | PHBPU    | CON %    | 07/21/2006 | 06 | P   | PHBPU  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |

## \* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = FS 3346RR

## \* STAGE CODE

14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES

16 = 6 LEAVES UNFOLDED

19 = &gt;8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED