

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIL  
PH: 6.4  
%OM: 4.8  
PREV. CROP: GLXMA - SOYBEAN  
%RESIDUE: 0  
PLOT WIDTH: 7.5 X 36 FEET

DESIGN: RCB  
REPS: 3

| APPL. NUMBER       | 01        | 02        | 03        | UNIT |
|--------------------|-----------|-----------|-----------|------|
| TIMINGS            | 09        | 11        | 12        |      |
| TYPE               | LIQMIX    | LIQMIX    | LIQMIX    |      |
| APPLICATION DATE   | 04/28/05  | 05/25/05  | 06/01/05  | AME  |
| AIR TEMPERATURE    | 52        | 72        | 80        | F    |
| % REL. HUMIDITY    | 40        | 33        | 30        |      |
| WIND DIRECTION     | SOUTHWEST | NORTH     | EAST      |      |
| WIND SPEED         | 7.0       | 6.0       | 4.0       | M/H  |
| CLOUD COVER        | CLOUDY    | CLEAR     | CLEAR     |      |
| DEW                | ---       | NO        | NO        |      |
| SOIL MOISTURE      | DRY/MOIST | DRY/MOIST | DRY/MOIST |      |
| SOIL CONDITION     | ---       | ---       | ---       |      |
| METHOD             | SPRAY     | SPRAY     | SPRAY     |      |
| EQUIPMENT          | SPRBAC    | SPRBAC    | SPRBAC    |      |
| PROPELLANT         | COMCO2    | COMCO2    | COMCO2    |      |
| PLACEMENT          | BRFOSO    | BRFOSO    | BRFOSO    |      |
| NOZZLE             | FLATFAN   | FLATFAN   | FLATFAN   |      |
| NOZZLE NUMBER      | 5         | 5         | 5         |      |
| NOZZLE SPACING     | 18.000    | 18.000    | 18.000    | IN   |
| SWATH WIDTH        | 7.5       | 7.5       | 7.5       | FT   |
| SPRAY VOLUME       | 20.00     | 20.00     | 20.00     |      |
| VOLUME UNIT        | GPA       | GPA       | GPA       |      |
| PRESSURE           | 42.00     | 42.00     | 42.00     | PSI  |
| DILUENT            | WATER     | WATER     | WATER     |      |
| INC. DATE          |           |           |           | AME  |
| INC. START         |           |           |           | 24H  |
| INC. END           |           |           |           | 24H  |
| INC. DEPTH         |           |           |           | IN   |
| INC. EQUIPMENT     | ---       | ---       | ---       |      |
| DEN/ STG/ MINMAXSZ |           |           |           |      |
| *** CROP ***       |           |           |           |      |
| CORN, DENT         |           | ---/12    | ---/15    |      |
| PIONEER 3367       |           | 5.00/5.00 | 12.0/12.0 | IN   |
| 04/28/2005         |           |           |           |      |
| *** PEST ***       |           |           |           |      |
| VELVETLEAF         |           | ---/11    | ---/14    |      |
|                    |           | 1.00/1.00 | 2.00/4.00 | IN   |
| RAGWEED, COMMON    |           | ---/12    | ---/14    |      |
|                    |           | 1.00/3.00 | 2.00/4.00 | IN   |
| LAMBSQUARTERS, C   |           | ---/17    | ---/19    |      |
|                    |           | 1.00/2.00 | 2.00/4.00 | IN   |
| MORNINGGLORY, TA   |           | ---/10    | ---/15    |      |
|                    |           | 1.00/1.00 | 1.00/3.00 | IN   |
| FOXTAIL, GIANT     |           | ---/12    | ---/13    |      |
|                    |           | 1.00/3.00 | 4.00/6.00 | IN   |
| COCKLEBUR, COMMO   |           | ---/10    | ---/13    |      |
|                    |           | 2.00/2.00 | 2.00/4.00 | IN   |

## \* TIMING CODES

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

## \* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED  
11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
12 = 2 LEAVES UNFOLDED  
13 = 3 LEAVES UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5 LEAVES UNFOLDED  
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Sequential Herbicide Systems for Weed Control in Corn. C-500  
**CREATED:** 04/15/2005 **REVISED:** 11/22/2005 **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             | CHEAL             | AMBEL             | ABUTH             | PHBPU             |
|------------|------------------------|--------|------|----|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|            |                        | RATE   | UNIT |    | CON %<br>05/26/05 | CON %<br>05/26/05 | CON %<br>05/26/05 | CON %<br>05/26/05 | CON %<br>05/26/05 | CON %<br>05/26/05 |
| 1A         | GUARDS MAX 5L          | 2.50   | LAA  | 9  | 0                 | 50                | 88                | 57                | 73                | 72                |
|            | B MARKSMAN SC          | 1.20   | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | C»LIQUID AMS           | 2.50   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 2A         | OUTLOOK 6EC            | 0.98   | LAA  | 9  | 0                 | 63                | 65                | 57                | 33                | 65                |
|            | B MARKSMAN SC          | 1.40   | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | C»LIQUID AMS           | 2.50   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 3A         | GUARDS MAX 5L          | 2.50   | LAA  | 9  | 0                 | 60                | 88                | 68                | 65                | 67                |
|            | B DISTINCT 70SG        | 0.175  | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | C»ACTIVATOR 90         | 0.25   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
|            | D»LIQUID AMS           | 2.50   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 4A         | GUARDS MAX 5L          | 1.25   | LAA  | 9  | 0                 | 62                | 88                | 57                | 63                | 55                |
|            | B PROWL H2O 3.8        | 1.19   | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | C CALLISTO 4SC         | 0.094  | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | D ATRAZINE DF          | 1.00   | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | E»COC                  | 1.00   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
|            | F 28% UAN              | 2.50   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 5A         | GUARDS MAX 5L          | 1.25   | LAA  | 9  | 0                 | 40                | 55                | 53                | 60                | 45                |
|            | B PROWL H2O 3.8        | 1.19   | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | C DISTINCT 70SG        | 0.131  | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | D ATRAZINE DF          | 1.00   | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | E»ACTIVATOR 90         | 0.25   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
|            | F»LIQUID AMS           | 2.50   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 6A         | CINCH ATZ 5.5L         | 1.03   | LAA  | 9  | 0                 | 42                | 53                | 55                | 30                | 37                |
|            | B STEADFAST 75WG       | 0.035  | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | C CALLISTO 4SC         | 0.047  | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | D ATRAZINE DF          | 0.50   | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | E»COC                  | 1.00   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
|            | F 28% UAN              | 2.50   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 7A         | KEYSTONE 5.25          | 3.50   | LAA  | 9  | 0                 | 75                | 82                | 67                | 75                | 70                |
|            | B HORNET 68.5WG        | 0.128  | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | C ATRAZINE DF          | 0.25   | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | D CALLISTO 4SC         | 0.023  | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | E»COC                  | 1.00   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
|            | F»LIQUID AMS           | 2.50   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
| 8A         | BICEP II MAGNU         | 3.30   | LAA  | 9  | 0                 | 70                | 78                | 72                | 75                | 58                |
|            | B CALLISTO 4SC         | 0.094  | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | C ATRAZINE DF          | 0.50   | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | D»COC                  | 1.00   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
|            | E 28% UAN              | 2.50   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
| 9A         | KEYSTONE 5.25          | 3.50   | LAA  | 9  | 0                 | 77                | 90                | 80                | 70                | 50                |
|            | B STARANE 1.5EC        | 0.12   | LAA  | 12 |                   |                   |                   |                   |                   |                   |
| 10A        | CHECK                  | 0.00   | NA   | 0  | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| 11A        | BICEP LITE II          | 2.25   | LAA  | 9  | 0                 | 47                | 73                | 50                | 57                | 57                |
| 12A        | BICEP LITE II          | 2.25   | LAA  | 9  | 0                 | 67                | 90                | 65                | 43                | 60                |
|            | B»IMPACT 2.8SC         | 0.016  | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | C ATRAZINE DF          | 0.50   | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | D»MSO                  | 1.00   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
|            | E 28% UAN              | 2.50   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
| 13A        | BICEP LITE II          | 2.25   | LAA  | 9  | 0                 | 57                | 67                | 63                | 57                | 58                |
|            | B CALLISTO 4SC         | 0.094  | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | C ATRAZINE DF          | 0.25   | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | D»COC                  | 1.00   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
|            | E 28% UAN              | 2.50   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
| 14A        | BICEP LITE II          | 2.25   | LAA  | 9  | 0                 | 58                | 72                | 73                | 43                | 60                |
|            | B DISTINCT 70SG        | 0.175  | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | C»ACTIVATOR 90         | 0.25   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
|            | D 28% UAN              | 1.25   | PMV  | 12 |                   |                   |                   |                   |                   |                   |



**TITLE:** Sequential Herbicide Systems for Weed Control in Corn. C-500  
**CREATED:** 04/15/2005 **REVISED:** 11/22/2005 **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             | CHEAL             | AMBEL             | ABUTH             | PHBPU             |
|------------|------------------------|--------|------|----|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|            |                        | RATE   | UNIT |    | CON %<br>06/09/05 | CON %<br>06/09/05 | CON %<br>06/09/05 | CON %<br>06/09/05 | CON %<br>06/09/05 | CON %<br>06/09/05 |
| 1A         | GUARDS MAX 5L          | 2.50   | LAA  | 9  | 0                 | 65                | 99                | 95                | 99                | 93                |
|            | B MARKSMAN SC          | 1.20   | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | C»LIQUID AMS           | 2.50   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 2A         | OUTLOOK 6EC            | 0.98   | LAA  | 9  | 0                 | 72                | 98                | 87                | 99                | 92                |
|            | B MARKSMAN SC          | 1.40   | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | C»LIQUID AMS           | 2.50   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 3A         | GUARDS MAX 5L          | 2.50   | LAA  | 9  | 0                 | 77                | 99                | 88                | 99                | 88                |
|            | B DISTINCT 70SG        | 0.175  | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | C»ACTIVATOR 90         | 0.25   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
|            | D»LIQUID AMS           | 2.50   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 4A         | GUARDS MAX 5L          | 1.25   | LAA  | 9  | 0                 | 70                | 99                | 95                | 99                | 93                |
|            | B PROWL H2O 3.8        | 1.19   | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | C CALLISTO 4SC         | 0.094  | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | D ATRAZINE DF          | 1.00   | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | E»COC                  | 1.00   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
|            | F 28% UAN              | 2.50   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 5A         | GUARDS MAX 5L          | 1.25   | LAA  | 9  | 0                 | 70                | 99                | 90                | 99                | 92                |
|            | B PROWL H2O 3.8        | 1.19   | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | C DISTINCT 70SG        | 0.131  | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | D ATRAZINE DF          | 1.00   | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | E»ACTIVATOR 90         | 0.25   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
|            | F»LIQUID AMS           | 2.50   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 6A         | CINCH ATZ 5.5L         | 1.03   | LAA  | 9  | 0                 | 70                | 99                | 95                | 94                | 93                |
|            | B STEADFAST 75WG       | 0.035  | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | C CALLISTO 4SC         | 0.047  | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | D ATRAZINE DF          | 0.50   | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | E»COC                  | 1.00   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
|            | F 28% UAN              | 2.50   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 7A         | KEYSTONE 5.25          | 3.50   | LAA  | 9  | 0                 | 63                | 99                | 98                | 99                | 93                |
|            | B HORNET 68.5WG        | 0.128  | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | C ATRAZINE DF          | 0.25   | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | D CALLISTO 4SC         | 0.023  | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | E»COC                  | 1.00   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
|            | F»LIQUID AMS           | 2.50   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
| 8A         | BICEP II MAGNU         | 3.30   | LAA  | 9  | 0                 | 67                | 99                | 99                | 99                | 99                |
|            | B CALLISTO 4SC         | 0.094  | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | C ATRAZINE DF          | 0.50   | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | D»COC                  | 1.00   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
|            | E 28% UAN              | 2.50   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
| 9A         | KEYSTONE 5.25          | 3.50   | LAA  | 9  | 0                 | 60                | 93                | 88                | 98                | 88                |
|            | B STARANE 1.5EC        | 0.12   | LAA  | 12 |                   |                   |                   |                   |                   |                   |
| 10A        | CHECK                  | 0.00   | NA   | 0  | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| 11A        | BICEP LITE II          | 2.25   | LAA  | 9  | 0                 | 23                | 30                | 20                | 0                 | 0                 |
| 12A        | BICEP LITE II          | 2.25   | LAA  | 9  | 0                 | 90                | 99                | 93                | 98                | 93                |
|            | B»IMPACT 2.8SC         | 0.016  | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | C ATRAZINE DF          | 0.50   | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | D»MSO                  | 1.00   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
|            | E 28% UAN              | 2.50   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
| 13A        | BICEP LITE II          | 2.25   | LAA  | 9  | 0                 | 53                | 99                | 95                | 99                | 95                |
|            | B CALLISTO 4SC         | 0.094  | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | C ATRAZINE DF          | 0.25   | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | D»COC                  | 1.00   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
|            | E 28% UAN              | 2.50   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
| 14A        | BICEP LITE II          | 2.25   | LAA  | 9  | 0                 | 60                | 93                | 70                | 89                | 70                |
|            | B DISTINCT 70SG        | 0.175  | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | C»ACTIVATOR 90         | 0.25   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
|            | D 28% UAN              | 1.25   | PMV  | 12 |                   |                   |                   |                   |                   |                   |

## TITLE: Sequential Herbicide Systems for Weed Control in Corn. C-500

| TRT<br>NUM | TREATMENT<br>COMPONENT | DOSAGE             |      | TM | ZEAMD             | SETFA             | CHEAL             | AMBEL             | ABUTH             | PHBPU             |
|------------|------------------------|--------------------|------|----|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|            |                        | RATE               | UNIT |    | CON %<br>06/09/05 | CON %<br>06/09/05 | CON %<br>06/09/05 | CON %<br>06/09/05 | CON %<br>06/09/05 | CON %<br>06/09/05 |
| 15A        | BICEP LITE II          | 2.25               | LAA  | 9  | 0                 | 87                | 98                | 93                | 98                | 90                |
|            | B>IMPACT 2.8SC         | 0.016              | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | C ACCENT 75WG          | 0.031              | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | D ATRAZINE DF          | 0.50               | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | E>MSO                  | 1.00               | PMV  | 12 |                   |                   |                   |                   |                   |                   |
|            | F 28% UAN              | 2.50               | PMV  | 12 |                   |                   |                   |                   |                   |                   |
| 16A        | KIH-485 60WG           | 0.19               | LAA  | 9  | 0                 | 85                | 99                | 96                | 96                | 87                |
|            | B>IMPACT 2.8SC         | 0.016              | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | C ACCENT 75WG          | 0.016              | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | D ATRAZINE DF          | 0.50               | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | E>MSO                  | 1.00               | PMV  | 12 |                   |                   |                   |                   |                   |                   |
|            | F 28% UAN              | 2.50               | PMV  | 12 |                   |                   |                   |                   |                   |                   |
|            |                        | LSD (0.05)         |      |    | 0.00              | 9.15              | 6.43              | 7.00              | 8.23              | 8.63              |
|            |                        | STANDARD DEVIATION |      |    | 0.00              | 4.48              | 3.15              | 3.43              | 4.00              | 4.22              |

**TITLE:** Sequential Herbicide Systems for Weed Control in Corn. C-500  
**CREATED:** 04/15/2005 **REVISED:** 11/22/2005 **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             | CHEAL             | AMBEL             | ABUTH             | PHBPU             |
|------------|------------------------|--------|------|----|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|            |                        | RATE   | UNIT |    | CON %<br>07/01/05 | CON %<br>07/01/05 | CON %<br>07/01/05 | CON %<br>07/01/05 | CON %<br>07/01/05 | CON %<br>07/01/05 |
| 1A         | GUARDS MAX 5L          | 2.50   | LAA  | 9  | 0                 | 45                | 99                | 98                | 99                | 94                |
|            | B MARKSMAN SC          | 1.20   | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | C»LIQUID AMS           | 2.50   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 2A         | OUTLOOK 6EC            | 0.98   | LAA  | 9  | 0                 | 52                | 99                | 96                | 99                | 95                |
|            | B MARKSMAN SC          | 1.40   | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | C»LIQUID AMS           | 2.50   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 3A         | GUARDS MAX 5L          | 2.50   | LAA  | 9  | 0                 | 68                | 99                | 90                | 99                | 88                |
|            | B DISTINCT 70SG        | 0.175  | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | C»ACTIVATOR 90         | 0.25   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
|            | D»LIQUID AMS           | 2.50   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 4A         | GUARDS MAX 5L          | 1.25   | LAA  | 9  | 0                 | 45                | 99                | 98                | 99                | 93                |
|            | B PROWL H2O 3.8        | 1.19   | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | C CALLISTO 4SC         | 0.094  | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | D ATRAZINE DF          | 1.00   | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | E»COC                  | 1.00   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
|            | F 28% UAN              | 2.50   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 5A         | GUARDS MAX 5L          | 1.25   | LAA  | 9  | 0                 | 62                | 99                | 87                | 99                | 87                |
|            | B PROWL H2O 3.8        | 1.19   | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | C DISTINCT 70SG        | 0.131  | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | D ATRAZINE DF          | 1.00   | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | E»ACTIVATOR 90         | 0.25   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
|            | F»LIQUID AMS           | 2.50   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 6A         | CINCH ATZ 5.5L         | 1.03   | LAA  | 9  | 0                 | 63                | 99                | 87                | 99                | 88                |
|            | B STEADFAST 75WG       | 0.035  | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | C CALLISTO 4SC         | 0.047  | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | D ATRAZINE DF          | 0.50   | LAA  | 11 |                   |                   |                   |                   |                   |                   |
|            | E»COC                  | 1.00   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
|            | F 28% UAN              | 2.50   | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 7A         | KEYSTONE 5.25          | 3.50   | LAA  | 9  | 0                 | 43                | 99                | 99                | 99                | 93                |
|            | B HORNET 68.5WG        | 0.128  | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | C ATRAZINE DF          | 0.25   | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | D CALLISTO 4SC         | 0.023  | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | E»COC                  | 1.00   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
|            | F»LIQUID AMS           | 2.50   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
| 8A         | BICEP II MAGNU         | 3.30   | LAA  | 9  | 0                 | 50                | 99                | 99                | 99                | 92                |
|            | B CALLISTO 4SC         | 0.094  | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | C ATRAZINE DF          | 0.50   | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | D»COC                  | 1.00   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
|            | E 28% UAN              | 2.50   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
| 9A         | KEYSTONE 5.25          | 3.50   | LAA  | 9  | 0                 | 52                | 98                | 96                | 98                | 88                |
|            | B STARANE 1.5EC        | 0.12   | LAA  | 12 |                   |                   |                   |                   |                   |                   |
| 10A        | CHECK                  | 0.00   | NA   | 0  | 0                 | 0                 | 0                 | 0                 | 0                 | 0                 |
| 11A        | BICEP LITE II          | 2.25   | LAA  | 9  | 0                 | 20                | 30                | 20                | 0                 | 0                 |
| 12A        | BICEP LITE II          | 2.25   | LAA  | 9  | 0                 | 88                | 99                | 95                | 98                | 91                |
|            | B»IMPACT 2.8SC         | 0.016  | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | C ATRAZINE DF          | 0.50   | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | D»MSO                  | 1.00   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
|            | E 28% UAN              | 2.50   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
| 13A        | BICEP LITE II          | 2.25   | LAA  | 9  | 0                 | 32                | 99                | 99                | 99                | 92                |
|            | B CALLISTO 4SC         | 0.094  | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | C ATRAZINE DF          | 0.25   | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | D»COC                  | 1.00   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
|            | E 28% UAN              | 2.50   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
| 14A        | BICEP LITE II          | 2.25   | LAA  | 9  | 0                 | 65                | 99                | 99                | 99                | 88                |
|            | B DISTINCT 70SG        | 0.175  | LAA  | 12 |                   |                   |                   |                   |                   |                   |
|            | C»ACTIVATOR 90         | 0.25   | PMV  | 12 |                   |                   |                   |                   |                   |                   |
|            | D 28% UAN              | 1.25   | PMV  | 12 |                   |                   |                   |                   |                   |                   |

## TITLE: Sequential Herbicide Systems for Weed Control in Corn. C-500

| TRT<br>NUM | TREATMENT<br>COMPONENT | DOSAGE |      | TM | ZEAMD              | SETFA             | CHEAL             | AMBEL             | ABUTH             | PHBPU             |      |
|------------|------------------------|--------|------|----|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------|
|            |                        | RATE   | UNIT |    | CON %<br>07/01/05  | CON %<br>07/01/05 | CON %<br>07/01/05 | CON %<br>07/01/05 | CON %<br>07/01/05 | CON %<br>07/01/05 |      |
| 15A        | BICEP LITE II          | 2.25   | LAA  | 9  | 0                  | 83                | 99                | 99                | 99                | 82                |      |
|            | B>IMPACT 2.8SC         | 0.016  | LAA  | 12 |                    |                   |                   |                   |                   |                   |      |
|            | C ACCENT 75WG          | 0.031  | LAA  | 12 |                    |                   |                   |                   |                   |                   |      |
|            | D ATRAZINE DF          | 0.50   | LAA  | 12 |                    |                   |                   |                   |                   |                   |      |
|            | E>MSO                  | 1.00   | PMV  | 12 |                    |                   |                   |                   |                   |                   |      |
|            | F 28% UAN              | 2.50   | PMV  | 12 |                    |                   |                   |                   |                   |                   |      |
| 16A        | KIH-485 60WG           | 0.19   | LAA  | 9  | 0                  | 85                | 98                | 99                | 99                | 85                |      |
|            | B>IMPACT 2.8SC         | 0.016  | LAA  | 12 |                    |                   |                   |                   |                   |                   |      |
|            | C ACCENT 75WG          | 0.016  | LAA  | 12 |                    |                   |                   |                   |                   |                   |      |
|            | D ATRAZINE DF          | 0.50   | LAA  | 12 |                    |                   |                   |                   |                   |                   |      |
|            | E>MSO                  | 1.00   | PMV  | 12 |                    |                   |                   |                   |                   |                   |      |
|            | F 28% UAN              | 2.50   | PMV  | 12 |                    |                   |                   |                   |                   |                   |      |
|            |                        |        |      |    | LSD (0.05)         | 0.00              | 9.13              | 4.44              | 3.80              | 1.38              | 6.51 |
|            |                        |        |      |    | STANDARD DEVIATION | 0.00              | 4.47              | 2.18              | 1.86              | 0.678             | 3.19 |

**TITLE:** Sequential Herbicide Systems for Weed Control in Corn. C-500  
**CREATED:** 04/15/2005 **REVISED:** 11/22/2005 **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 | YIELD<br>BU/A<br>10/05/05 |
|------------|------------------------|--------|------|----|---------------------------|
|            |                        | RATE   | UNIT |    |                           |
| 1A         | GUARDS MAX 5L          | 2.50   | LAA  | 9  | 100.9                     |
|            | B MARKSMAN SC          | 1.20   | LAA  | 11 |                           |
|            | C LIQUID AMS           | 2.50   | PMV  | 11 |                           |
| 2A         | OUTLOOK 6EC            | 0.98   | LAA  | 9  | 92.4                      |
|            | B MARKSMAN SC          | 1.40   | LAA  | 11 |                           |
|            | C LIQUID AMS           | 2.50   | PMV  | 11 |                           |
| 3A         | GUARDS MAX 5L          | 2.50   | LAA  | 9  | 109.3                     |
|            | B DISTINCT 70SG        | 0.175  | LAA  | 11 |                           |
|            | C ACTIVATOR 90         | 0.25   | PMV  | 11 |                           |
|            | D LIQUID AMS           | 2.50   | PMV  | 11 |                           |
| 4A         | GUARDS MAX 5L          | 1.25   | LAA  | 9  | 110.0                     |
|            | B PROWL H2O 3.8        | 1.19   | LAA  | 11 |                           |
|            | C CALLISTO 4SC         | 0.094  | LAA  | 11 |                           |
|            | D ATRAZINE DF          | 1.00   | LAA  | 11 |                           |
|            | E COC                  | 1.00   | PMV  | 11 |                           |
|            | F 28% UAN              | 2.50   | PMV  | 11 |                           |
| 5A         | GUARDS MAX 5L          | 1.25   | LAA  | 9  | 96.8                      |
|            | B PROWL H2O 3.8        | 1.19   | LAA  | 11 |                           |
|            | C DISTINCT 70SG        | 0.131  | LAA  | 11 |                           |
|            | D ATRAZINE DF          | 1.00   | LAA  | 11 |                           |
|            | E ACTIVATOR 90         | 0.25   | PMV  | 11 |                           |
|            | F LIQUID AMS           | 2.50   | PMV  | 11 |                           |
| 6A         | CINCH ATZ 5.5L         | 1.03   | LAA  | 9  | 127.2                     |
|            | B STEADFAST 75WG       | 0.035  | LAA  | 11 |                           |
|            | C CALLISTO 4SC         | 0.047  | LAA  | 11 |                           |
|            | D ATRAZINE DF          | 0.50   | LAA  | 11 |                           |
|            | E COC                  | 1.00   | PMV  | 11 |                           |
|            | F 28% UAN              | 2.50   | PMV  | 11 |                           |
| 7A         | KEYSTONE 5.25          | 3.50   | LAA  | 9  | 113.5                     |
|            | B HORNET 68.5WG        | 0.128  | LAA  | 12 |                           |
|            | C ATRAZINE DF          | 0.25   | LAA  | 12 |                           |
|            | D CALLISTO 4SC         | 0.023  | LAA  | 12 |                           |
|            | E COC                  | 1.00   | PMV  | 12 |                           |
|            | F LIQUID AMS           | 2.50   | PMV  | 12 |                           |
| 8A         | BICEP II MAGNU         | 3.30   | LAA  | 9  | 100.1                     |
|            | B CALLISTO 4SC         | 0.094  | LAA  | 12 |                           |
|            | C ATRAZINE DF          | 0.50   | LAA  | 12 |                           |
|            | D COC                  | 1.00   | PMV  | 12 |                           |
|            | E 28% UAN              | 2.50   | PMV  | 12 |                           |
| 9A         | KEYSTONE 5.25          | 3.50   | LAA  | 9  | 94.6                      |
|            | B STARANE 1.5EC        | 0.12   | LAA  | 12 |                           |
| 10A        | CHECK                  | 0.00   | NA   | 0  | 5.8                       |
| 11A        | BICEP LITE II          | 2.25   | LAA  | 9  | 28.3                      |
| 12A        | BICEP LITE II          | 2.25   | LAA  | 9  | 131.7                     |
|            | B IMPACT 2.8SC         | 0.016  | LAA  | 12 |                           |
|            | C ATRAZINE DF          | 0.50   | LAA  | 12 |                           |
|            | D MSO                  | 1.00   | PMV  | 12 |                           |
|            | E 28% UAN              | 2.50   | PMV  | 12 |                           |
| 13A        | BICEP LITE II          | 2.25   | LAA  | 9  | 94.8                      |
|            | B CALLISTO 4SC         | 0.094  | LAA  | 12 |                           |
|            | C ATRAZINE DF          | 0.25   | LAA  | 12 |                           |
|            | D COC                  | 1.00   | PMV  | 12 |                           |
|            | E 28% UAN              | 2.50   | PMV  | 12 |                           |
| 14A        | BICEP LITE II          | 2.25   | LAA  | 9  | 90.8                      |
|            | B DISTINCT 70SG        | 0.175  | LAA  | 12 |                           |
|            | C ACTIVATOR 90         | 0.25   | PMV  | 12 |                           |
|            | D 28% UAN              | 1.25   | PMV  | 12 |                           |



TITLE: Sequential Herbicide Systems for Weed Control in Corn. C-500

| TRT<br>NUM | TREATMENT<br>COMPONENT | DOSAGE             |        | YIELD<br>BU/A<br>10/05/05 |
|------------|------------------------|--------------------|--------|---------------------------|
|            |                        | RATE               | UNIT   |                           |
| 15A»       | BICEP LITE II          | 2.25               | LAA 9  | 137.8                     |
|            | B»IMPACT 2.8SC         | 0.016              | LAA 12 |                           |
|            | C ACCENT 75WG          | 0.031              | LAA 12 |                           |
|            | D ATRAZINE DF          | 0.50               | LAA 12 |                           |
|            | E»MSO                  | 1.00               | PMV 12 |                           |
|            | F 28% UAN              | 2.50               | PMV 12 |                           |
| 16A»       | KIH-485 60WG           | 0.19               | LAA 9  | 136.3                     |
|            | B»IMPACT 2.8SC         | 0.016              | LAA 12 |                           |
|            | C ACCENT 75WG          | 0.016              | LAA 12 |                           |
|            | D ATRAZINE DF          | 0.50               | LAA 12 |                           |
|            | E»MSO                  | 1.00               | PMV 12 |                           |
|            | F 28% UAN              | 2.50               | PMV 12 |                           |
|            |                        | LSD (0.05)         |        | 20.46                     |
|            |                        | STANDARD DEVIATION |        | 10.00                     |

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 04/28/2005(1)
- 11 = ----- / EPOST 05/25/2005(2)
- 12 = ----- / POST 06/01/2005(3)

| H#  | CUSTOM#1 | CUSTOM#2 | EV.DATE    | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS   | C.M | CTR  | SS | NOTE |
|-----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|------|----|------|
| 001 | ZEAMD    | CON %    | 05/26/2005 | 01 | P   | ZEAMD  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 002 | SETFA    | CON %    | 05/26/2005 | 02 | P   | SETFA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 003 | CHEAL    | CON %    | 05/26/2005 | 07 | P   | CHEAL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 004 | AMBEL    | CON %    | 05/26/2005 | 03 | P   | AMBEL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 005 | ABUTH    | CON %    | 05/26/2005 | 04 | P   | ABUTH  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 006 | PHBPU    | CON %    | 05/26/2005 | 06 | P   | PHBPU  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 007 | ZEAMD    | CON %    | 06/09/2005 | 01 | P   | ZEAMD  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 008 | SETFA    | CON %    | 06/09/2005 | 02 | P   | SETFA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 009 | CHEAL    | CON %    | 06/09/2005 | 07 | P   | CHEAL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 010 | AMBEL    | CON %    | 06/09/2005 | 03 | P   | AMBEL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 011 | ABUTH    | CON %    | 06/09/2005 | 04 | P   | ABUTH  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 012 | PHBPU    | CON %    | 06/09/2005 | 06 | P   | PHBPU  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 013 | ZEAMD    | CON %    | 07/01/2005 | 01 | P   | ZEAMD  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 014 | SETFA    | CON %    | 07/01/2005 | 02 | P   | SETFA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 015 | CHEAL    | CON %    | 07/01/2005 | 07 | P   | CHEAL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 016 | AMBEL    | CON %    | 07/01/2005 | 03 | P   | AMBEL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 017 | ABUTH    | CON %    | 07/01/2005 | 04 | P   | ABUTH  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 018 | PHBPU    | CON %    | 07/01/2005 | 06 | P   | PHBPU  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 019 | YIELD    | BU/A     | 10/05/2005 | 01 | P   | ZEAMD  |       | RAW | ALL | YLD | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 3367