

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIX  
 PH: 6.7  
 %OM: 5.1  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: 0  
 PLOT WIDTH: 7.5 X 33 FEET

DESIGN: RCB  
 REPS: 3

| APPL. NUMBER     | 01        | UNIT |
|------------------|-----------|------|
| TIMINGS          | 12        |      |
| TYPE             | LIQMIX    |      |
| APPLICATION DATE | 07/12/06  | AME  |
| AIR TEMPERATURE  | 87        | F    |
| % REL.HUMIDITY   | 85        |      |
| WIND DIRECTION   | SOUTHWEST |      |
| WIND SPEED       | 2.0       | M/H  |
| CLOUD COVER      | CLEAR     |      |
| DEW              | NO        |      |
| SOIL MOISTURE    | MOIST/MOI |      |
| SOIL CONDITION   | ---       |      |
| METHOD           | SPRAY     |      |
| EQUIPMENT        | SPRBAC    |      |
| PROPELLANT       | COMCO2    |      |
| PLACEMENT        | BRFOSO    |      |
| NOZZLE           | FLATFAN   |      |
| NOZZLE NUMBER    | 5         |      |
| NOZZLE SPACING   | 18.000    | IN   |
| SWATH WIDTH      | 7.5       | FT   |
| SPRAY VOLUME     | 20.00     |      |
| VOLUME UNIT      | GPA       |      |
| PRESSURE         | 32.00     | PSI  |
| DILUENT          | WATER     |      |
| INC. DATE        |           | AME  |
| INC. START       |           | 24H  |
| INC. END         |           | 24H  |
| INC. DEPTH       |           | IN   |
| INC. EQUIPMENT   | ---       |      |
|                  | DN/SG/MMZ |      |
| *** CROP ***     |           |      |
| SOYBEAN          | ---/16    |      |
| ASGROW 3203      | 10.0/12.0 | IN   |
| 06/05/2006       |           |      |
| *** PEST ***     |           |      |
| WATERHEMP, COMMO | ---/19    |      |
|                  | 2.00/16.0 | IN   |
| MORNINGGLORY, TA | ---/19    |      |
|                  | 2.00/10.0 | IN   |
| FOXTAIL, GIANT   | ---/19    |      |
|                  | 4.00/12.0 | IN   |

## \* TIMING CODES

12 = ----- / POST

## \* STAGE CODE

16 = 6TH LEAF (4TH TRIFOLIATE LEAF) UNFOLDED, 5 NODES  
 19 = 9 OR MORE LEAVES UNFOLDED

**TITLE:** Control of Tall Morningglory and Common Waterhemp in Soybean. M-17W  
**CREATED:** 06/22/2006 **REVISED:** 11/14/2006 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT **WIDE X** 33.00 FT **LONG** **REPS:** 03

| TRT                | TREATMENT      | DOSAGE | GLXMA  | SETFA | AMATA    | PHBPU    | GLXMA    | SETFA    |
|--------------------|----------------|--------|--------|-------|----------|----------|----------|----------|
| NUM                | COMPONENT      | RATE   | UNIT   | TM    | CON %    | CON %    | CON %    | CON %    |
|                    |                |        |        |       | 07/20/06 | 07/20/06 | 07/20/06 | 07/20/06 |
|                    |                |        |        |       |          |          |          |          |
| 1A»                | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 0        | 80       | 78       | 68       |
| B»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 0        |
| 2A»                | WEATHERMAX 4.5 | 1.12   | LAA 12 |       | 0        | 85       | 83       | 74       |
| B»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 0        |
| 3A»                | WEATHERMAX 4.5 | 1.50   | LAA 12 |       | 0        | 86       | 85       | 78       |
| B»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 0        |
| 4A»                | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 0        | 78       | 75       | 78       |
| B»                 | FIRSTRATE 84WG | 0.016  | LAA 12 |       |          |          |          | 0        |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 99       |
| 5A»                | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 0        | 82       | 83       | 86       |
| B»                 | FIRSTRATE 84WG | 0.032  | LAA 12 |       |          |          |          | 0        |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 99       |
| 6A»                | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 4        | 79       | 80       | 83       |
| B                  | RESOURCE (0.86 | 0.013  | LAA 12 |       |          |          |          | 4        |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 99       |
| 7A»                | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 5        | 75       | 82       | 86       |
| B»                 | AIM EW 1.9     | 0.0074 | LMH 12 |       |          |          |          | 4        |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 99       |
| 8A»                | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 9        | 73       | 83       | 85       |
| B»                 | ET-751 0.21L   | 0.0016 | LAA 12 |       |          |          |          | 16       |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 99       |
| 9A»                | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 1        | 80       | 82       | 76       |
| B                  | BUTYRAC 2SL    | 0.016  | LAA 12 |       |          |          |          | 0        |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 99       |
| 10A»               | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 3        | 77       | 87       | 84       |
| B                  | BUTYRAC 2SL    | 0.031  | LAA 12 |       |          |          |          | 1        |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 99       |
| 11A»               | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 2        | 76       | 84       | 84       |
| B                  | CLASSIC 25WG   | 0.005  | LAA 12 |       |          |          |          | 0        |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 99       |
| 12A»               | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 8        | 85       | 90       | 90       |
| B                  | FLEXSTAR 1.88  | 0.12   | LAA 12 |       |          |          |          | 0        |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 99       |
| 13A»               | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 8        | 79       | 87       | 89       |
| B                  | COBRA 2EC      | 0.063  | LAA 12 |       |          |          |          | 6        |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 99       |
| 14A»               | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 2        | 72       | 77       | 79       |
| B»                 | RAPTOR 1AS     | 0.016  | LAA 12 |       |          |          |          | 0        |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 99       |
| 15A»               | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 6        | 86       | 89       | 86       |
| B                  | BLAZER 2SL     | 0.125  | LAA 12 |       |          |          |          | 4        |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 99       |
| 16A»               | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 11       | 76       | 84       | 88       |
| B»                 | IR 6396 0.42L  | 0.0067 | LAA 12 |       |          |          |          | 17       |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 99       |
| LSD (0.05)         |                |        |        |       | 2.55     | 7.00     | 4.87     | 7.10     |
| STANDARD DEVIATION |                |        |        |       | 1.25     | 3.41     | 2.39     | 3.48     |
|                    |                |        |        |       |          |          |          | 2.00     |
|                    |                |        |        |       |          |          |          | 0.00     |

**TITLE:** Control of Tall Morningglory and Common Waterhemp in Soybean. M-17W  
**CREATED:** 06/22/2006 **REVISED:** 11/14/2006 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT **WIDE X** 33.00 FT **LONG** **REPS:** 03

| TRT                | TREATMENT      | DOSAGE | AMATA  | PHBPU | GLXMA    | SETFA    | AMATA    | PHBPU    |
|--------------------|----------------|--------|--------|-------|----------|----------|----------|----------|
| NUM                | COMPONENT      | RATE   | UNIT   | TM    | CON %    | CON %    | CON %    | CON %    |
|                    |                |        |        |       | 08/01/06 | 08/01/06 | 08/16/06 | 08/16/06 |
| 1A»                | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 97       | 88       | 0        | 99       |
| B»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 94       |
| 2A»                | WEATHERMAX 4.5 | 1.12   | LAA 12 |       | 99       | 93       | 0        | 99       |
| B»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 98       |
| 3A»                | WEATHERMAX 4.5 | 1.50   | LAA 12 |       | 99       | 94       | 0        | 99       |
| B»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 99       |
| 4A»                | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 99       | 93       | 0        | 99       |
| B»                 | FIRSTRATE 84WG | 0.016  | LAA 12 |       |          |          |          | 96       |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 93       |
| 5A»                | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 99       | 88       | 0        | 99       |
| B»                 | FIRSTRATE 84WG | 0.032  | LAA 12 |       |          |          |          | 97       |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 94       |
| 6A»                | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 99       | 94       | 0        | 99       |
| B                  | RESOURCE (0.86 | 0.013  | LAA 12 |       |          |          |          | 95       |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 89       |
| 7A»                | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 97       | 94       | 0        | 99       |
| B»                 | AIM EW 1.9     | 0.0074 | LMH 12 |       |          |          |          | 93       |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 89       |
| 8A»                | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 98       | 96       | 7        | 99       |
| B»                 | ET-751 0.21L   | 0.0016 | LAA 12 |       |          |          |          | 92       |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 88       |
| 9A»                | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 99       | 94       | 0        | 99       |
| B                  | BUTYRAC 2SL    | 0.016  | LAA 12 |       |          |          |          | 97       |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 98       |
| 10A»               | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 99       | 97       | 0        | 99       |
| B                  | BUTYRAC 2SL    | 0.031  | LAA 12 |       |          |          |          | 98       |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 98       |
| 11A»               | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 98       | 95       | 0        | 99       |
| B                  | CLASSIC 25WG   | 0.005  | LAA 12 |       |          |          |          | 96       |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 96       |
| 12A»               | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 99       | 95       | 2        | 99       |
| B                  | FLEXSTAR 1.88  | 0.12   | LAA 12 |       |          |          |          | 93       |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 90       |
| 13A»               | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 99       | 96       | 0        | 99       |
| B                  | COBRA 2EC      | 0.063  | LAA 12 |       |          |          |          | 95       |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 91       |
| 14A»               | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 98       | 94       | 2        | 99       |
| B»                 | RAPTOR 1AS     | 0.016  | LAA 12 |       |          |          |          | 96       |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 94       |
| 15A»               | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 94       | 94       | 2        | 99       |
| B                  | BLAZER 2SL     | 0.125  | LAA 12 |       |          |          |          | 96       |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 94       |
| 16A»               | WEATHERMAX 4.5 | 0.75   | LAA 12 |       | 99       | 97       | 8        | 99       |
| B»                 | IR 6396 0.42L  | 0.0067 | LAA 12 |       |          |          |          | 93       |
| C»                 | LIQUID AMS     | 2.50   | PMV 12 |       |          |          |          | 88       |
| LSD (0.05)         |                |        |        |       | 2.00     | 5.27     | 2.33     | 0.241    |
| STANDARD DEVIATION |                |        |        |       | 1.00     | 2.58     | 1.14     | 0.118    |
|                    |                |        |        |       |          |          |          | 2.59     |
|                    |                |        |        |       |          |          |          | 1.27     |
|                    |                |        |        |       |          |          |          | 2.44     |
|                    |                |        |        |       |          |          |          | 1.19     |

**TITLE:** Control of Tall Morningglory and Common Waterhemp in Soybean. M-17W  
**CREATED:** 06/22/2006 **REVISED:** 11/14/2006 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT **WIDE X** 33.00 FT **LONG** **REPS:** 03

| TRT<br>NUM         | TREATMENT<br>COMPONENT | DOSAGE |        | TM | YIELD<br>BU/A<br>10/24/06 |
|--------------------|------------------------|--------|--------|----|---------------------------|
|                    |                        | RATE   | UNIT   |    |                           |
| 1A»                | WEATHERMAX 4.5         | 0.75   | LAA 12 |    | 41.7                      |
| B»                 | LIQUID AMS             | 2.50   | PMV 12 |    |                           |
| 2A»                | WEATHERMAX 4.5         | 1.12   | LAA 12 |    | 41.8                      |
| B»                 | LIQUID AMS             | 2.50   | PMV 12 |    |                           |
| 3A»                | WEATHERMAX 4.5         | 1.50   | LAA 12 |    | 41.5                      |
| B»                 | LIQUID AMS             | 2.50   | PMV 12 |    |                           |
| 4A»                | WEATHERMAX 4.5         | 0.75   | LAA 12 |    | 42.6                      |
| B»                 | FIRSTRATE 84WG         | 0.016  | LAA 12 |    |                           |
| C»                 | LIQUID AMS             | 2.50   | PMV 12 |    |                           |
| 5A»                | WEATHERMAX 4.5         | 0.75   | LAA 12 |    | 41.5                      |
| B»                 | FIRSTRATE 84WG         | 0.032  | LAA 12 |    |                           |
| C»                 | LIQUID AMS             | 2.50   | PMV 12 |    |                           |
| 6A»                | WEATHERMAX 4.5         | 0.75   | LAA 12 |    | 42.2                      |
| B                  | RESOURCE (0.86         | 0.013  | LAA 12 |    |                           |
| C»                 | LIQUID AMS             | 2.50   | PMV 12 |    |                           |
| 7A»                | WEATHERMAX 4.5         | 0.75   | LAA 12 |    | 38.0                      |
| B»                 | AIM EW 1.9             | 0.0074 | LMH 12 |    |                           |
| C»                 | LIQUID AMS             | 2.50   | PMV 12 |    |                           |
| 8A»                | WEATHERMAX 4.5         | 0.75   | LAA 12 |    | 31.2                      |
| B»                 | ET-751 0.21L           | 0.0016 | LAA 12 |    |                           |
| C»                 | LIQUID AMS             | 2.50   | PMV 12 |    |                           |
| 9A»                | WEATHERMAX 4.5         | 0.75   | LAA 12 |    | 41.1                      |
| B                  | BUTYRAC 2SL            | 0.016  | LAA 12 |    |                           |
| C»                 | LIQUID AMS             | 2.50   | PMV 12 |    |                           |
| 10A»               | WEATHERMAX 4.5         | 0.75   | LAA 12 |    | 38.9                      |
| B                  | BUTYRAC 2SL            | 0.031  | LAA 12 |    |                           |
| C»                 | LIQUID AMS             | 2.50   | PMV 12 |    |                           |
| 11A»               | WEATHERMAX 4.5         | 0.75   | LAA 12 |    | 41.8                      |
| B                  | CLASSIC 25WG           | 0.005  | LAA 12 |    |                           |
| C»                 | LIQUID AMS             | 2.50   | PMV 12 |    |                           |
| 12A»               | WEATHERMAX 4.5         | 0.75   | LAA 12 |    | 39.3                      |
| B                  | FLEXSTAR 1.88          | 0.12   | LAA 12 |    |                           |
| C»                 | LIQUID AMS             | 2.50   | PMV 12 |    |                           |
| 13A»               | WEATHERMAX 4.5         | 0.75   | LAA 12 |    | 31.7                      |
| B                  | COBRA 2EC              | 0.063  | LAA 12 |    |                           |
| C»                 | LIQUID AMS             | 2.50   | PMV 12 |    |                           |
| 14A»               | WEATHERMAX 4.5         | 0.75   | LAA 12 |    | 39.5                      |
| B»                 | RAPTOR 1AS             | 0.016  | LAA 12 |    |                           |
| C»                 | LIQUID AMS             | 2.50   | PMV 12 |    |                           |
| 15A»               | WEATHERMAX 4.5         | 0.75   | LAA 12 |    | 37.2                      |
| B                  | BLAZER 2SL             | 0.125  | LAA 12 |    |                           |
| C»                 | LIQUID AMS             | 2.50   | PMV 12 |    |                           |
| 16A»               | WEATHERMAX 4.5         | 0.75   | LAA 12 |    | 28.0                      |
| B»                 | IR 6396 0.42L          | 0.0067 | LAA 12 |    |                           |
| C»                 | LIQUID AMS             | 2.50   | PMV 12 |    |                           |
| LSD (0.05)         |                        |        |        |    | 6.26                      |
| STANDARD DEVIATION |                        |        |        |    | 3.07                      |

» = SUPPLEMENTAL CHEMICAL

## \* TIMING CODES

12 = ----- / POST 07/12/2006(1)

TITLE: Control of Tall Morningglory and Common Waterhemp in Soybean. M-17W

| H#  | CUSTOM#1 | CUSTOM#2 | EV.DATE    | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS   | C.M | CTR  | SS | NOTE |
|-----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|------|----|------|
| 001 | GLXMA    | CON %    | 07/20/2006 | 01 | P   | GLXMA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 002 | SETFA    | CON %    | 07/20/2006 | 02 | P   | SETFA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 003 | AMATA    | CON %    | 07/20/2006 | 03 | P   | AMATA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 004 | PHBPU    | CON %    | 07/20/2006 | 04 | P   | PHBPU  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 005 | GLXMA    | CON %    | 08/01/2006 | 01 | P   | GLXMA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 006 | SETFA    | CON %    | 08/01/2006 | 02 | P   | SETFA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 007 | AMATA    | CON %    | 08/01/2006 | 03 | P   | AMATA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 008 | PHBPU    | CON %    | 08/01/2006 | 04 | P   | PHBPU  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 009 | GLXMA    | CON %    | 08/16/2006 | 01 | P   | GLXMA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 010 | SETFA    | CON %    | 08/16/2006 | 02 | P   | SETFA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 011 | AMATA    | CON %    | 08/16/2006 | 03 | P   | AMATA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 012 | PHBPU    | CON %    | 08/16/2006 | 04 | P   | PHBPU  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 013 | YIELD    | BU/A     | 10/24/2006 | 01 | P   | GLXMA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 3203