

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: LS  
 PH: 6.5  
 %OM: 1.0  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: 0  
 PLOT WIDTH: 10 X 25 FEET  
 PLOT AREA: 250 FEET

DESIGN: RCB  
 REPS: 3

| APPL. NUMBER                | 01                     | 02                     | UNIT |
|-----------------------------|------------------------|------------------------|------|
| <b>TIMINGS</b>              | 11                     | 12                     |      |
| <b>TYPE</b>                 | LIQ MIX                | LIQ MIX                |      |
| <b>APPLICATION DATE</b>     | 06/09/14               | 06/13/14               | AME  |
| <b>AIR TEMPERATURE</b>      | 83                     | 67                     | F    |
| <b>% REL. HUMIDITY</b>      | 53                     | 28                     |      |
| <b>WIND DIRECTION</b>       | EAST                   | NA/NONE/U              |      |
| <b>WIND SPEED</b>           | 4.0                    | 0.0                    | M/H  |
| <b>CLOUD COVER</b>          | PARTCLDY               | CLEAR                  |      |
| <b>DEW</b>                  | NO                     | NO                     |      |
| <b>SOIL MOISTURE</b>        | MOIST/MOI              | DRY/MOIST              |      |
| <b>SOIL CONDITION</b>       | ---                    | ---                    |      |
| <b>METHOD</b>               | SPRAY                  | SPRAY                  |      |
| <b>EQUIPMENT</b>            | BACKPACK/              | BACKPACK/              |      |
| <b>PROPELLANT</b>           | COMPRESSE              | COMPRESSE              |      |
| <b>PLACEMENT</b>            | BROADCAST              | BROADCAST              |      |
| <b>NOZZLE</b>               | FLATFAN                | FLATFAN                |      |
| <b>NOZZLE DESCRIPTION</b>   |                        |                        |      |
| <b>NOZZLE NUMBER</b>        | 6                      | 6                      |      |
| <b>NOZZLE SPACING</b>       | 20.000                 | 20.000                 | IN   |
| <b>SCREEN SIZE</b>          |                        |                        |      |
| <b>SCREEN SZ DESC</b>       | NA                     | NA                     |      |
| <b>SWATH WIDTH</b>          | 10.0                   | 10.0                   | FT   |
| <b>SPRAY VOLUME</b>         | 20.00                  | 20.00                  |      |
| <b>SPRAY VOLUME UNIT</b>    | GPA                    | GPA                    |      |
| <b>PRESSURE</b>             | 32.00                  | 32.00                  | PSI  |
| <b>DILUENT</b>              | WATER                  | WATER                  |      |
| <b>INC. DATE</b>            |                        |                        | AME  |
| <b>INC. START</b>           |                        |                        | 24H  |
| <b>INC. END</b>             |                        |                        | 24H  |
| <b>INC. DEPTH</b>           |                        |                        | IN   |
| <b>INC. EQUIPMENT</b>       | ---                    | ---                    |      |
| <b>FOLIAGE HEIGHT</b>       |                        |                        | FT   |
| <b>FOLIAGE WIDTH</b>        |                        |                        | FT   |
| <b>ROW WIDTH</b>            |                        |                        | FT   |
| <b>SPRAY VOL LWA/TRV</b>    |                        |                        |      |
| <b>S VOL LWA/TRV UNIT</b>   |                        |                        |      |
| <b>LEAF WALL AREA</b>       |                        |                        | M2H  |
| <b>TREE ROW VOLUME</b>      |                        |                        | M3H  |
| <b>SPECIE AND STAGE</b>     | DEN / STG<br>MIN / MAX | DEN / STG<br>MIN / MAX |      |
| <b>CROP *</b>               |                        |                        |      |
| <b>P, SOYBEAN</b>           | ---/13                 | ---/14                 |      |
| <b>A 3231RR</b>             | 5.00/5.00              | 6.00/6.00              | IN   |
| <b>(PLANTED) 05/22/2014</b> | 18 DAP                 | 22 DAP                 |      |
| <b>PEST *</b>               |                        |                        |      |
| <b>P, AMARANTH, PALMER</b>  | ---/19                 | ---/19                 |      |
|                             | 1.00/6.00              | 4.00/18.0              | IN   |

## \* TIMING CODES

11 = ----- / EPOST  
 12 = ----- / POST

## \* STAGE CODE

13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES  
 14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Glyphosate Rate and Timing on Glyphosate-Resistant Waterhemp. Kank. Site  
**CREATED:** 04/25/2014 **REVISED:** 09/05/2014 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Kankakee **RESEARCHED BY:**  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT WIDE X 25.00 FT LONG  
**PLOT AREA:** 250.00 SFT

REPS: 03

| TRT<br>NUM         | TREATMENT<br>COMPONENT |     | DOSAGE |      | TM | GLXMA    | AMAPA    | GLXMA    | AMAPA    |
|--------------------|------------------------|-----|--------|------|----|----------|----------|----------|----------|
|                    |                        |     | RATE   | UNIT |    | CON %    | CON %    | CON %    | CON %    |
|                    |                        |     |        |      |    | 06/17/14 | 06/17/14 | 06/30/14 | 06/30/14 |
| 1A»                | WEATHERMAX             | 4.5 | 0.77   | LAA  | 11 | 0        | 85       | 0        | 62       |
| B»                 | LIQUID AMS             |     | 2.50   | PMV  | 11 |          |          |          |          |
| 2A»                | WEATHERMAX             | 4.5 | 1.54   | LAA  | 11 | 2        | 91       | 0        | 62       |
| B»                 | LIQUID AMS             |     | 2.50   | PMV  | 11 |          |          |          |          |
| 3A»                | WEATHERMAX             | 4.5 | 2.31   | LAA  | 11 | 4        | 92       | 0        | 70       |
| B»                 | LIQUID AMS             |     | 2.50   | PMV  | 11 |          |          |          |          |
| 4A»                | WEATHERMAX             | 4.5 | 3.08   | LAA  | 11 | 5        | 98       | 0        | 68       |
| B»                 | LIQUID AMS             |     | 2.50   | PMV  | 11 |          |          |          |          |
| 5A»                | WEATHERMAX             | 4.5 | 3.85   | LAA  | 11 | 5        | 98       | 0        | 70       |
| B»                 | LIQUID AMS             |     | 2.50   | PMV  | 11 |          |          |          |          |
| 6A»                | WEATHERMAX             | 4.5 | 4.62   | LAA  | 11 | 7        | 99       | 0        | 67       |
| B»                 | LIQUID AMS             |     | 2.50   | PMV  | 11 |          |          |          |          |
| 7A»                | WEATHERMAX             | 4.5 | 5.39   | LAA  | 11 | 11       | 99       | 0        | 67       |
| B»                 | LIQUID AMS             |     | 2.50   | PMV  | 11 |          |          |          |          |
| 8A»                | WEATHERMAX             | 4.5 | 6.16   | LAA  | 11 | 11       | 99       | 1        | 70       |
| B»                 | LIQUID AMS             |     | 2.50   | PMV  | 11 |          |          |          |          |
| 9A                 | CHECK                  |     | 0.00   | NA   | 0  | 0        | 0        | 0        | 0        |
| 10A»               | WEATHERMAX             | 4.5 | 0.77   | LAA  | 12 | 2        | 75       | 0        | 57       |
| B»                 | LIQUID AMS             |     | 2.50   | PMV  | 12 |          |          |          |          |
| 11A»               | WEATHERMAX             | 4.5 | 1.54   | LAA  | 12 | 1        | 81       | 0        | 65       |
| B»                 | LIQUID AMS             |     | 2.50   | PMV  | 12 |          |          |          |          |
| 12A»               | WEATHERMAX             | 4.5 | 2.31   | LAA  | 12 | 3        | 86       | 0        | 68       |
| B»                 | LIQUID AMS             |     | 2.50   | PMV  | 12 |          |          |          |          |
| 13A»               | WEATHERMAX             | 4.5 | 3.08   | LAA  | 12 | 3        | 89       | 0        | 76       |
| B»                 | LIQUID AMS             |     | 2.50   | PMV  | 12 |          |          |          |          |
| 14A»               | WEATHERMAX             | 4.5 | 3.85   | LAA  | 12 | 3        | 91       | 0        | 75       |
| B»                 | LIQUID AMS             |     | 2.50   | PMV  | 12 |          |          |          |          |
| 15A»               | WEATHERMAX             | 4.5 | 4.62   | LAA  | 12 | 3        | 90       | 1        | 80       |
| B»                 | LIQUID AMS             |     | 2.50   | PMV  | 12 |          |          |          |          |
| 16A»               | WEATHERMAX             | 4.5 | 5.39   | LAA  | 12 | 3        | 94       | 0        | 77       |
| B»                 | LIQUID AMS             |     | 2.50   | PMV  | 12 |          |          |          |          |
| 17A»               | WEATHERMAX             | 4.5 | 6.16   | LAA  | 12 | 5        | 93       | 3        | 79       |
| B»                 | LIQUID AMS             |     | 2.50   | PMV  | 12 |          |          |          |          |
| 18A»               | WEATHERMAX             | 4.5 | 12.32  | LAA  | 12 | 11       | 97       | 4        | 83       |
| B»                 | LIQUID AMS             |     | 2.50   | PMV  | 12 |          |          |          |          |
| LSD (0.05)         |                        |     |        |      |    | 2.60     | 3.46     | 1.06     | 6.56     |
| STANDARD DEVIATION |                        |     |        |      |    | 1.29     | 1.71     | 0.523    | 3.25     |

» = SUPPLEMENTAL CHEMICAL

## \* TIMING CODES

00 = ----- / UNTREATED TIMING  
 11 = ----- / EPOST 06/09/2014(1)  
 12 = ----- / POST 06/13/2014(2)

| 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 %    | 06/17/2014 | 01 | P   | GLXMA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |

TITLE: Glyphosate Rate and Timing on Glyphosate-Resistant Waterhemp. Kank. Site

| H#  | CUSTOM#1 | CUSTOM#2 | EV.DATE    | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS   | C.M | CTRT | SS | NOTE |
|-----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|------|----|------|
| 002 | AMAPA    | CON %    | 06/17/2014 | 02 | P   | AMAPA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 003 | GLXMA    | CON %    | 06/30/2014 | 01 | P   | GLXMA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 004 | AMAPA    | CON %    | 06/30/2014 | 02 | P   | AMAPA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |

\* SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)

01 = A 3231RR