

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIX  
PH: 6.6  
%OM: 5.4  
PREV.CROP: ZEAMD - CORN, DENT  
%RESIDUE: 0  
PLOT WIDTH: 7.5 X 30 FEET  
PLOT AREA: 225 FEET

DESIGN: RCB  
REPS: 3

| APPL. NUMBER         | 01                     | UNIT |
|----------------------|------------------------|------|
| TIMINGS              | 11                     |      |
| TYPE                 | LIQUID MI              |      |
| APPLICATION DATE     | 06/17/15               | AME  |
| AIR TEMPERATURE      | 82                     | F    |
| % REL.HUMIDITY       | 77                     |      |
| WIND DIRECTION       | SOUTHWEST              |      |
| WIND SPEED           | 7.0                    | M/H  |
| CLOUD COVER          | CLOUDY--6              |      |
| DEW                  | YES                    |      |
| SOIL MOISTURE        | MOIST/MOI              |      |
| SOIL CONDITION       | TO BE SEL              |      |
| METHOD               | SPRAY                  |      |
| EQUIPMENT            | BACKPACK/              |      |
| PROPELLANT           | COMPRESSE              |      |
| PLACEMENT            | BROADCAST              |      |
| NOZZLE               | FLATFAN                |      |
| NOZZLE DESCRIPTION   |                        |      |
| NOZZLE NUMBER        | 5                      |      |
| NOZZLE SPACING       | 18.000                 | IN   |
| SCREEN SIZE          |                        |      |
| SCREEN SZ DESC       | NA                     |      |
| SWATH WIDTH          | 7.5                    | FT   |
| SPRAY VOLUME         | 20.00                  |      |
| SPRAY VOLUME UNIT    | GPA                    |      |
| PRESSURE             | 30.00                  | PSI  |
| DILUENT              | WATER                  |      |
| INC. DATE            |                        | AME  |
| INC. START           |                        | 24H  |
| INC. END             |                        | 24H  |
| INC. DEPTH           |                        | IN   |
| INC. EQUIPMENT       | TO BE SEL              |      |
| FOLIAGE HEIGHT       |                        | FT   |
| FOLIAGE WIDTH        |                        | FT   |
| ROW WIDTH            |                        | FT   |
| SPRAY VOL LWA/TRV    |                        |      |
| S VOL LWA/TRV UNIT   |                        |      |
| LEAF WALL AREA       |                        | M2H  |
| TREE ROW VOLUME      |                        | M3H  |
| SPECIE AND STAGE     | DEN / STG<br>MIN / MAX |      |
| CROP *               |                        |      |
| P, SOYBEAN           | ---/14                 |      |
| A 3231RR             | 6.00/6.00              | IN   |
| (PLANTED) 05/27/2015 | 21 DAP                 |      |
| PEST *               |                        |      |
| P, AMARANTH, PALMER  | ---/19                 |      |
|                      | 1.00/6.00              | IN   |
| P, MORNINGGLORY, TA  | ---/13                 |      |
|                      | 1.00/2.00              | IN   |
| P, FOXTAIL, GIANT    | ---/13                 |      |
|                      | 1.00/4.00              | IN   |

## \* TIMING CODES

11 = --- / EPOST

## \* STAGE CODE

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

**TITLE:** Postemergence Residual Comparison with Glyphosate in Soybean. R-3N  
**CREATED:** 06/05/2015 **REVISED:** 07/28/2015 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 30.00 FT LONG  
**PLOT AREA:** 225.00 SFT

REPS: 03

| TRT<br>NUM | TREATMENT<br>COMPONENT | DOSAGE             |      |    | GLXMA             | SETFA             | AMAPA             | PHBPU             | GLXMA             | SETFA             |
|------------|------------------------|--------------------|------|----|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|            |                        | RATE               | UNIT | TM | CON %<br>06/26/15 | CON %<br>06/26/15 | CON %<br>06/26/15 | CON %<br>06/26/15 | CON %<br>07/11/15 | CON %<br>07/11/15 |
| 1A»        | RNDUP POWERMAX         | 1.125              | LAA  | 11 | 0                 | 99                | 90                | 88                | 0                 | 99                |
| B»         | WARRANT 3L             | 0.94               | LAA  | 11 |                   |                   |                   |                   |                   |                   |
| C»         | LIQUID AMS             | 2.50               | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 2A»        | RNDUP POWERMAX         | 1.125              | LAA  | 11 | 0                 | 99                | 86                | 90                | 0                 | 99                |
| B»         | WARRANT 3L             | 1.50               | LAA  | 11 |                   |                   |                   |                   |                   |                   |
| C»         | LIQUID AMS             | 2.50               | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 3A»        | RNDUP POWERMAX         | 1.125              | LAA  | 11 | 1                 | 99                | 91                | 92                | 0                 | 99                |
| B          | OUTLOOK 6EC            | 0.47               | LAA  | 11 |                   |                   |                   |                   |                   |                   |
| C»         | LIQUID AMS             | 2.50               | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 4A»        | RNDUP POWERMAX         | 1.125              | LAA  | 11 | 4                 | 99                | 95                | 95                | 0                 | 99                |
| B          | OUTLOOK 6EC            | 0.75               | LAA  | 11 |                   |                   |                   |                   |                   |                   |
| C»         | LIQUID AMS             | 2.50               | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 5A»        | RNDUP POWERMAX         | 1.125              | LAA  | 11 | 3                 | 99                | 95                | 94                | 0                 | 99                |
| B          | DUAL MAGNUM            | 0.95               | LAA  | 11 |                   |                   |                   |                   |                   |                   |
| C»         | LIQUID AMS             | 2.50               | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 6A»        | RNDUP POWERMAX         | 1.125              | LAA  | 11 | 6                 | 99                | 95                | 93                | 2                 | 99                |
| B          | DUAL MAGNUM            | 1.27               | LAA  | 11 |                   |                   |                   |                   |                   |                   |
| C»         | LIQUID AMS             | 2.50               | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 7A»        | RNDUP POWERMAX         | 1.125              | LAA  | 11 | 1                 | 99                | 94                | 91                | 0                 | 99                |
| B»         | ZIDUA 85WG             | 0.08               | LAA  | 11 |                   |                   |                   |                   |                   |                   |
| C»         | LIQUID AMS             | 2.50               | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 8A»        | RNDUP POWERMAX         | 1.125              | LAA  | 11 | 1                 | 99                | 92                | 93                | 0                 | 99                |
| B»         | ZIDUA 85WG             | 0.159              | LAA  | 11 |                   |                   |                   |                   |                   |                   |
| C»         | LIQUID AMS             | 2.50               | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 9A»        | RNDUP POWERMAX         | 1.125              | LAA  | 11 | 0                 | 99                | 91                | 91                | 0                 | 99                |
| 10A»       | RNDUP POWERMAX         | 1.125              | LAA  | 11 | 10                | 99                | 99                | 99                | 1                 | 99                |
| B»         | PREFIX 5.32SL          | 0.662              | LAA  | 11 |                   |                   |                   |                   |                   |                   |
| C»         | LIQUID AMS             | 2.50               | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 11A»       | RNDUP POWERMAX         | 1.125              | LAA  | 11 | 22                | 99                | 99                | 99                | 8                 | 99                |
| B»         | PREFIX 5.32SL          | 1.33               | LAA  | 11 |                   |                   |                   |                   |                   |                   |
| C»         | LIQUID AMS             | 2.50               | PMV  | 11 |                   |                   |                   |                   |                   |                   |
| 12A»       | RNDUP POWERMAX         | 1.125              | LAA  | 11 | 6                 | 99                | 99                | 97                | 1                 | 99                |
| B»         | ANTHEM 2.15SE          | 0.10               | LAA  | 11 |                   |                   |                   |                   |                   |                   |
| C»         | LIQUID AMS             | 2.50               | PMV  | 11 |                   |                   |                   |                   |                   |                   |
|            |                        | LSD (0.05)         |      |    | 2.91              | 0.00              | 9.12              | 6.49              | 2.30              | 0.00              |
|            |                        | STANDARD DEVIATION |      |    | 1.40              | 0.00              | 4.40              | 3.13              | 1.11              | 0.00              |

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**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 7.50 FT WIDE X 30.00 FT LONG  
**PLOT AREA:** 225.00 SFT

REPS: 03

| TRT  | TREATMENT      | DOSAGE             | AMAPA | PHBPU | GLXMA    | SETFA    | AMAPA    | PHBPU    |       |       |
|------|----------------|--------------------|-------|-------|----------|----------|----------|----------|-------|-------|
| NUM  | COMPONENT      | RATE               | UNIT  | TM    | CON %    | CON %    | CON %    | CON %    |       |       |
|      |                |                    |       |       | 07/11/15 | 07/11/15 | 07/22/15 | 07/22/15 |       |       |
| 1A»  | RNDUP POWERMAX | 1.125              | LAA   | 11    | 73       | 74       | 0        | 99       |       |       |
| B»   | WARRANT 3L     | 0.94               | LAA   | 11    |          |          |          | 74       |       |       |
| C»   | LIQUID AMS     | 2.50               | PMV   | 11    |          |          |          | 75       |       |       |
| 2A»  | RNDUP POWERMAX | 1.125              | LAA   | 11    | 77       | 81       | 0        | 99       |       |       |
| B»   | WARRANT 3L     | 1.50               | LAA   | 11    |          |          |          | 79       |       |       |
| C»   | LIQUID AMS     | 2.50               | PMV   | 11    |          |          |          | 82       |       |       |
| 3A»  | RNDUP POWERMAX | 1.125              | LAA   | 11    | 84       | 83       | 0        | 99       |       |       |
| B    | OUTLOOK 6EC    | 0.47               | LAA   | 11    |          |          |          | 83       |       |       |
| C»   | LIQUID AMS     | 2.50               | PMV   | 11    |          |          |          | 82       |       |       |
| 4A»  | RNDUP POWERMAX | 1.125              | LAA   | 11    | 94       | 90       | 0        | 99       |       |       |
| B    | OUTLOOK 6EC    | 0.75               | LAA   | 11    |          |          |          | 93       |       |       |
| C»   | LIQUID AMS     | 2.50               | PMV   | 11    |          |          |          | 88       |       |       |
| 5A»  | RNDUP POWERMAX | 1.125              | LAA   | 11    | 85       | 81       | 0        | 99       |       |       |
| B    | DUAL MAGNUM    | 0.95               | LAA   | 11    |          |          |          | 83       |       |       |
| C»   | LIQUID AMS     | 2.50               | PMV   | 11    |          |          |          | 81       |       |       |
| 6A»  | RNDUP POWERMAX | 1.125              | LAA   | 11    | 87       | 82       | 0        | 99       |       |       |
| B    | DUAL MAGNUM    | 1.27               | LAA   | 11    |          |          |          | 86       |       |       |
| C»   | LIQUID AMS     | 2.50               | PMV   | 11    |          |          |          | 82       |       |       |
| 7A»  | RNDUP POWERMAX | 1.125              | LAA   | 11    | 76       | 78       | 0        | 99       |       |       |
| B»   | ZIDUA 85WG     | 0.08               | LAA   | 11    |          |          |          | 73       |       |       |
| C»   | LIQUID AMS     | 2.50               | PMV   | 11    |          |          |          | 72       |       |       |
| 8A»  | RNDUP POWERMAX | 1.125              | LAA   | 11    | 78       | 83       | 0        | 99       |       |       |
| B»   | ZIDUA 85WG     | 0.159              | LAA   | 11    |          |          |          | 79       |       |       |
| C»   | LIQUID AMS     | 2.50               | PMV   | 11    |          |          |          | 79       |       |       |
| 9A»  | RNDUP POWERMAX | 1.125              | LAA   | 11    | 63       | 60       | 0        | 99       |       |       |
| 10A» | RNDUP POWERMAX | 1.125              | LAA   | 11    | 98       | 86       | 0        | 99       |       |       |
| B»   | PREFIX 5.32SL  | 0.662              | LAA   | 11    |          |          |          | 96       |       |       |
| C»   | LIQUID AMS     | 2.50               | PMV   | 11    |          |          |          | 86       |       |       |
| 11A» | RNDUP POWERMAX | 1.125              | LAA   | 11    | 99       | 89       | 4        | 99       |       |       |
| B»   | PREFIX 5.32SL  | 1.33               | LAA   | 11    |          |          |          | 99       |       |       |
| C»   | LIQUID AMS     | 2.50               | PMV   | 11    |          |          |          | 90       |       |       |
| 12A» | RNDUP POWERMAX | 1.125              | LAA   | 11    | 98       | 91       | 0        | 99       |       |       |
| B»   | ANTHEM 2.15SE  | 0.10               | LAA   | 11    |          |          |          | 98       |       |       |
| C»   | LIQUID AMS     | 2.50               | PMV   | 11    |          |          |          | 90       |       |       |
|      |                | LSLSD (0.05)       |       |       | 14.44    | 9.21     | 0.564    | 0.00     | 13.92 | 11.61 |
|      |                | STANDARD DEVIATION |       |       | 7.00     | 4.44     | 0.272    | 0.00     | 6.71  | 5.60  |

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

11 = --- / EPOST 06/17/2015(1)

| H#  | CUSTOM#1 | CUSTOM#2 | EV.DATE    | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS   | C.M | CTRTR | SS | NOTE |
|-----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|-------|----|------|
| 001 | GLXMA    | CON %    | 06/26/2015 | 01 | P   | GLXMA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 002 | SETFA    | CON %    | 06/26/2015 | 02 | P   | SETFA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 003 | AMAPA    | CON %    | 06/26/2015 | 03 | P   | AMAPA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 004 | PHBPU    | CON %    | 06/26/2015 | 04 | P   | PHBPU  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 005 | GLXMA    | CON %    | 07/11/2015 | 01 | P   | GLXMA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 006 | SETFA    | CON %    | 07/11/2015 | 02 | P   | SETFA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 007 | AMAPA    | CON %    | 07/11/2015 | 03 | P   | AMAPA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |
| 008 | PHBPU    | CON %    | 07/11/2015 | 04 | P   | PHBPU  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001  | 0  | N    |

TITLE: Postemergence Residual Comparison with Glyphosate in Soybean. R-3N

| H#  | CUSTOM#1 | CUSTOM#2 | EV.DATE    | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS   | C.M | CTR1 | SS | NOTE |
|-----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|------|----|------|
| 009 | GLXMA    | CON %    | 07/22/2015 | 01 | P   | GLXMA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 010 | SETFA    | CON %    | 07/22/2015 | 02 | P   | SETFA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 011 | AMAPA    | CON %    | 07/22/2015 | 03 | P   | AMAPA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 012 | PHBPU    | CON %    | 07/22/2015 | 04 | P   | PHBPU  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |

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

01 = A 3231RR