

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIL  
PH: 6.6  
%OM: 4.7  
PREV.CROP: GLXMA - soybean;soya bean;soybean  
%RESIDUE: 0  
PLOT WIDTH: 7.5 X 30 FEET  
PLOT AREA: 225 FEET

DESIGN: RCB  
REPS: 3

| APPL. NUMBER                                       | 01                     | 02                            | 03                            | 04                            | UNIT |
|----------------------------------------------------|------------------------|-------------------------------|-------------------------------|-------------------------------|------|
| TIMINGS                                            | 09                     | 11                            | 12                            | 13                            |      |
| TYPE                                               | LIQUID MI              | LIQUID MI                     | LIQUID MI                     | LIQUID MI                     |      |
| APPLICATION DATE                                   | 04/19/16               | 05/22/16                      | 06/03/16                      | 06/08/16                      | AME  |
| TIME - BEGIN                                       | 14:00                  | 10:45                         | 10:15                         | 08:30                         | 24H  |
| TIME - END                                         | 14:20                  | 11:15                         | 10:45                         | 09:00                         | 24H  |
| AIR TEMPERATURE                                    | 77                     | 76                            | 76                            | 69                            | F    |
| % REL.HUMIDITY                                     | 36                     | 25                            | 36                            | 44                            |      |
| WIND DIRECTION                                     | SOUTH                  | NORTH                         | NOT APPLI                     | WEST                          |      |
| WIND SPEED                                         | 7.0                    | 7.0                           | 0.0                           | 4.0                           | M/H  |
| CLOUD COVER                                        | CLEAR-0%               | CLEAR-0%                      | OVERCAST-                     | PAR.CLOUD                     |      |
| DEW                                                | TO BE SEL              | NO                            | NO                            | NO                            |      |
| SOIL MOISTURE                                      | DRY/MOIST              | DRY/MOIST                     | MOIST/MOI                     | DRY/MOIST                     |      |
| SOIL CONDITION                                     | TO BE SEL              | TO BE SEL                     | TO BE SEL                     | TO BE SEL                     |      |
| SOIL TEMP/DEPTH                                    | 65/4.00                | 64/4.00                       | 76/4.00                       | 76/4.00                       | F/IN |
| METHOD                                             | SPRAY                  | SPRAY                         | SPRAY                         | SPRAY                         |      |
| EQUIPMENT                                          | BACKPACK/              | BACKPACK/                     | BACKPACK/                     | BACKPACK/                     |      |
| PROPELLANT                                         | COMPRESSE              | COMPRESSE                     | COMPRESSE                     | COMPRESSE                     |      |
| PLACEMENT                                          | BROADCAST              | BROADCAST                     | BROADCAST                     | BROADCAST                     |      |
| NOZZLE                                             | FLATFAN                | FLATFAN                       | FLATFAN                       | FLATFAN                       |      |
| NOZZLE DESCRIPTION                                 |                        |                               |                               |                               |      |
| NOZZLE VOLUME                                      | 0.00                   | 0.00                          | 0.00                          | 0.00                          | GPM  |
| NOZZLE NUMBER                                      | 5                      | 5                             | 5                             | 5                             |      |
| NOZZLE SPACING                                     | 18.000                 | 18.000                        | 18.000                        | 18.000                        | IN   |
| SCREEN SIZE                                        | 50                     |                               |                               |                               |      |
| SCREEN SZ DESC                                     | MES                    | NA                            | NA                            | NA                            |      |
| SWATH WIDTH                                        | 7.5                    | 7.5                           | 7.5                           | 7.5                           | FT   |
| BOOM HEIGHT                                        | 20.0                   | 20.0                          | 20.0                          | 20.0                          | IN   |
| SPEED                                              | 3.00                   | 3.00                          | 3.00                          | 3.00                          | M/H  |
| MIX SIZE                                           | 0.330                  | 0.330                         | 0.330                         | 0.330                         |      |
| MIX SIZE UNIT                                      | GAL                    | GAL                           | GAL                           | GAL                           |      |
| SPRAY VOLUME                                       | 20.00                  | 20.00                         | 20.00                         | 20.00                         |      |
| SPRAY VOLUME UNIT                                  | GPA                    | GPA                           | GPA                           | GPA                           |      |
| PRESSURE                                           | 30.00                  | 30.00                         | 30.00                         | 30.00                         | PSI  |
| DILUENT                                            | WATER                  | WATER                         | WATER                         | WATER                         |      |
| INC. DATE                                          |                        |                               |                               |                               | AME  |
| INC. START                                         |                        |                               |                               |                               | 24H  |
| INC. END                                           |                        |                               |                               |                               | 24H  |
| INC. DEPTH                                         |                        |                               |                               |                               | IN   |
| INC. EQUIPMENT                                     | TO BE SEL              | TO BE SEL                     | TO BE SEL                     | 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 | DEN / STG<br>MIN / MAX        | DEN / STG<br>MIN / MAX        | DEN / STG<br>MIN / MAX        |      |
| CROP *                                             |                        |                               |                               |                               |      |
| P, dent corn<br>N68K-3111A<br>(PLANTED) 04/19/2016 |                        | ---/13<br>4.00/5.00<br>33 DAP | ---/15<br>10.0/12.0<br>45 DAP | ---/16<br>12.0/16.0<br>50 DAP | IN   |
| PEST *                                             |                        |                               |                               |                               |      |
| P, velvetleaf;velve                                |                        | ---/13<br>2.00/2.00           | ---/14<br>2.00/4.00           | ---/15<br>4.00/6.00           | IN   |
| P, tall amaranth;co                                |                        | ---/14<br>1.00/2.00           | ---/16<br>1.00/4.00           | ---/19<br>3.00/6.00           | IN   |
| P, common lambsquar                                |                        | ---/15<br>2.00/3.00           | ---/17<br>1.00/8.00           | ---/19<br>4.00/8.00           | IN   |

\*\*\* CONTINUE

| SPECIE AND STAGE           | DEN / STG | DEN / STG           | DEN / STG           | DEN / STG           |    |
|----------------------------|-----------|---------------------|---------------------|---------------------|----|
|                            | MIN / MAX | MIN / MAX           | MIN / MAX           | MIN / MAX           |    |
| <b>PEST *</b>              |           |                     |                     |                     |    |
| <b>P, common morning g</b> |           | ---/13<br>1.00/2.00 | ---/18<br>3.00/5.00 | ---/19<br>4.00/6.00 | IN |
| <b>P, giant foxtail;no</b> |           | ---/13<br>2.00/3.00 | ---/16<br>3.00/8.00 | ---/17<br>8.00/10.0 | IN |
| <b>P, beach cocklebur;</b> |           | ---/13<br>1.00/3.00 | ---/19<br>4.00/8.00 | ---/19<br>10.0/16.0 | IN |

## \* TIMING CODES

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

## \* STAGE CODE

13 = 3 LEAVES UNFOLDED  
 13 = 3 LEAVES UNFOLDED  
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 15 = 5 LEAVES UNFOLDED  
 16 = 6 LEAVES UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6 LEAVES UNFOLDED  
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 17 = 7 LEAVES UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: FMC Weed Control Systems in RR/LL Corn. AS-100  
 CREATED: 04/06/2016 REVISED: 01/06/2017 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 TREATMENT<br>NUM COMPONENT                                                                                     | DOSAGE<br>RATE                                          | UNIT                                          | TM                                   | ZEAMD<br>CON %<br>05/31/16 | SETFA<br>CON %<br>05/31/16 | CHEAL<br>CON %<br>05/31/16 | AMATA<br>CON %<br>05/31/16 | ABUTH<br>CON %<br>05/31/16 | PHBPU<br>CON %<br>05/31/16 |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------|--------------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| 1A»ANTHEM MAXX 4.<br>B ATRAZINE DF<br>C»RNDUP POWERMAX<br>D»LIQUID AMS                                             | 0.134<br>1.00<br>1.125<br>2.50                          | LAA<br>LAA<br>LAA<br>PMV                      | 9<br>9<br>13<br>13                   | 0                          | 98                         | 99                         | 99                         | 98                         | 91                         |
| 2A»ANTHEM MAXX 4.<br>B ATRAZINE DF<br>C»RNDUP POWERMAX<br>D»LIQUID AMS                                             | 0.134<br>2.00<br>1.125<br>2.50                          | LAA<br>LAA<br>LAA<br>PMV                      | 9<br>9<br>13<br>13                   | 0                          | 97                         | 99                         | 99                         | 99                         | 94                         |
| 3A»ANTHEM MAXX 4.<br>B ATRAZINE DF<br>C»BAL FLEXX 2L<br>D»RNDUP POWERMAX<br>E»LIQUID AMS                           | 0.134<br>1.00<br>0.031<br>1.125<br>2.50                 | LAA<br>LAA<br>LAA<br>LAA<br>PMV               | 9<br>9<br>9<br>13<br>13              | 0                          | 95                         | 99                         | 99                         | 99                         | 88                         |
| 4A»ACURON 3.44 ZC<br>B»RNDUP POWERMAX<br>C»LIQUID AMS                                                              | 2.15<br>1.125<br>2.50                                   | LAA<br>LAA<br>PMV                             | 9<br>13<br>13                        | 0                          | 95                         | 99                         | 99                         | 99                         | 92                         |
| 5A»CORVUS 2.6SC<br>B ATRAZINE DF<br>C»RNDUP POWERMAX<br>D»LIQUID AMS                                               | 0.114<br>1.00<br>1.125<br>2.50                          | LAA<br>LAA<br>LAA<br>PMV                      | 9<br>9<br>13<br>13                   | 0                          | 96                         | 99                         | 99                         | 99                         | 90                         |
| 6A»VERDICT 5.57L<br>B»RNDUP POWERMAX<br>C»LIQUID AMS                                                               | 0.696<br>1.125<br>2.50                                  | LAA<br>LAA<br>PMV                             | 9<br>13<br>13                        | 0                          | 92                         | 99                         | 99                         | 99                         | 91                         |
| 7A»RESICORE 3.29S<br>B»RNDUP POWERMAX<br>C»LIQUID AMS                                                              | 2.26<br>1.125<br>2.50                                   | LAA<br>LAA<br>PMV                             | 9<br>13<br>13                        | 0                          | 99                         | 99                         | 99                         | 99                         | 95                         |
| 8A»ANTHEM MAXX 4.<br>B ATRAZINE DF<br>C»SOLSTICE 4L<br>D»RNDUP POWERMAX<br>E»COC<br>F»LIQUID AMS                   | 0.134<br>1.00<br>0.094<br>1.125<br>0.50<br>2.50         | LAA<br>LAA<br>LAA<br>LAA<br>PMV<br>PMV        | 9<br>9<br>12<br>12<br>12<br>12       | 0                          | 97                         | 99                         | 99                         | 96                         | 88                         |
| 9A DEGREE XTRA<br>B IMPACT 2.8SC<br>C»RNDUP POWERMAX<br>D»MSO<br>E»LIQUID AMS                                      | 3.03<br>0.016<br>1.125<br>1.00<br>2.50                  | LAA<br>LAA<br>LAA<br>PMV<br>PMV               | 9<br>12<br>12<br>12<br>12            | 0                          | 97                         | 99                         | 99                         | 70                         | 78                         |
| 10A»ANTHEM MAXX 4.<br>B»SOLSTICE 4L<br>C ATRAZINE DF<br>D»RNDUP POWERMAX<br>E»COC<br>F»LIQUID AMS                  | 0.134<br>0.078<br>1.00<br>1.125<br>0.50<br>2.50         | LAA<br>LAA<br>LAA<br>LAA<br>PMV<br>PMV        | 9<br>12<br>12<br>12<br>12<br>12      | 0                          | 77                         | 70                         | 82                         | 63                         | 20                         |
| 11A»ANTHEM MAXX 4.<br>B ATRAZINE DF<br>C»SOLSTICE 4L<br>D ATRAZINE DF<br>E»RNDUP POWERMAX<br>F»COC<br>G»LIQUID AMS | 0.134<br>1.00<br>0.078<br>0.50<br>1.125<br>0.50<br>2.50 | LAA<br>LAA<br>LAA<br>LAA<br>LAA<br>PMV<br>PMV | 9<br>9<br>12<br>12<br>12<br>12<br>12 | 0                          | 98                         | 99                         | 99                         | 99                         | 90                         |
| 12A»ANTHEM MAXX 4.<br>B»SOLSTICE 4L<br>C ATRAZINE DF<br>D»RNDUP POWERMAX<br>E»LIQUID AMS                           | 0.067<br>0.078<br>1.00<br>1.125<br>2.50                 | LAA<br>LAA<br>LAA<br>LAA<br>PMV               | 11<br>11<br>11<br>11<br>11           | 1                          | 99                         | 99                         | 99                         | 99                         | 98                         |

## TITLE: FMC Weed Control Systems in RR/LL Corn. AS-100

| TRT                | TREATMENT        | DOSAGE | ZEAMD | SETFA | CHEAL    | AMATA    | ABUTH    | PHBPU    |
|--------------------|------------------|--------|-------|-------|----------|----------|----------|----------|
| NUM                | COMPONENT        | RATE   | UNIT  | TM    | CON %    | CON %    | CON %    | CON %    |
|                    |                  |        |       |       | 05/31/16 | 05/31/16 | 05/31/16 | 05/31/16 |
| 13A»               | ANTHEM MAXX 4.   | 0.134  | LAA   | 11    | 1        | 99       | 99       | 99       |
|                    | B ATRAZINE DF    | 1.00   | LAA   | 11    |          |          |          |          |
|                    | C»RNDUP POWERMAX | 1.125  | LAA   | 11    |          |          |          |          |
|                    | D»LIQUID AMS     | 2.50   | PMV   | 11    |          |          |          |          |
| 14A»               | HALEX GT 4.38L   | 1.97   | LAA   | 11    | 2        | 99       | 99       | 99       |
|                    | B ATRAZINE DF    | 1.00   | LAA   | 11    |          |          |          |          |
|                    | C»ACTIVATOR 90   | 0.25   | PMV   | 11    |          |          |          |          |
|                    | D»LIQUID AMS     | 2.50   | PMV   | 11    |          |          |          |          |
| 15A                | CHECK            | 0.00   | NA    | 0     | 0        | 0        | 0        | 0        |
| 16A»               | CAPRENO 3.45 S   | 0.081  | LAA   | 11    | 0        | 99       | 99       | 99       |
|                    | B ATRAZINE DF    | 1.00   | LAA   | 11    |          |          |          |          |
|                    | C»RNDUP POWERMAX | 1.125  | LAA   | 11    |          |          |          |          |
|                    | D»LIQUID AMS     | 2.50   | PMV   | 11    |          |          |          |          |
| 17A                | HARNESS XTRA     | 2.52   | LAA   | 9     | 0        | 99       | 99       | 91       |
|                    | B IMPACT 2.8SC   | 0.016  | LAA   | 12    |          |          |          |          |
|                    | C ATRAZINE DF    | 0.50   | LAA   | 12    |          |          |          |          |
|                    | D»MSO            | 1.00   | PMV   | 12    |          |          |          |          |
|                    | E»LIQUID AMS     | 2.50   | PMV   | 12    |          |          |          |          |
| 18A                | HARNESS XTRA     | 2.52   | LAA   | 9     | 0        | 99       | 99       | 83       |
|                    | B IMPACT 2.8SC   | 0.016  | LAA   | 12    |          |          |          |          |
|                    | C»RNDUP POWERMAX | 1.125  | LAA   | 12    |          |          |          |          |
|                    | D ATRAZINE DF    | 0.50   | LAA   | 12    |          |          |          |          |
|                    | E»MSO            | 0.50   | PMV   | 12    |          |          |          |          |
|                    | F»LIQUID AMS     | 2.50   | PMV   | 12    |          |          |          |          |
| 19A                | HARNESS XTRA     | 2.52   | LAA   | 9     | 0        | 98       | 99       | 85       |
|                    | B IMPACT 2.8SC   | 0.016  | LAA   | 12    |          |          |          |          |
|                    | C»LIBERTY 2.34L  | 0.40   | LAA   | 12    |          |          |          |          |
|                    | D ATRAZINE DF    | 0.50   | LAA   | 12    |          |          |          |          |
|                    | E»LIQUID AMS     | 5.00   | PMV   | 12    |          |          |          |          |
| 20A                | HARNESS XTRA     | 2.52   | LAA   | 11    | 4        | 99       | 99       | 99       |
|                    | B IMPACT 2.8SC   | 0.022  | LAA   | 11    |          |          |          |          |
|                    | C»MSO            | 0.25   | PMV   | 11    |          |          |          |          |
|                    | D»LIQUID AMS     | 2.50   | PMV   | 11    |          |          |          |          |
| LSD (0.05)         |                  |        |       |       | 1.0      | 4.9      | 6.4      | 4.6      |
| STANDARD DEVIATION |                  |        |       |       | 0.5      | 2.4      | 3.2      | 2.3      |
|                    |                  |        |       |       |          |          |          | 4.1      |
|                    |                  |        |       |       |          |          |          | 2.0      |
|                    |                  |        |       |       |          |          |          | 5.5      |
|                    |                  |        |       |       |          |          |          | 2.7      |

TITLE: FMC Weed Control Systems in RR/LL Corn. AS-100  
 CREATED: 04/06/2016 REVISED: 01/06/2017 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  | TREATMENT        | DOSAGE |         | XANST    | ZEAMD    | SETFA    | CHEAL    | AMATA    | ABUTH    |
|------|------------------|--------|---------|----------|----------|----------|----------|----------|----------|
| NUM  | COMPONENT        | RATE   | UNIT TM | CON %    | CON %    | CON %    | CON %    | CON %    | CON %    |
|      |                  |        |         | 05/31/16 | 06/06/16 | 06/06/16 | 06/06/16 | 06/06/16 | 06/06/16 |
| 1A»  | ANTHEM MAXX 4.   | 0.134  | LAA 9   | 75       | 0        | 96       | 99       | 99       | 99       |
|      | B ATRAZINE DF    | 1.00   | LAA 9   |          |          |          |          |          |          |
|      | C»RNDUP POWERMAX | 1.125  | LAA 13  |          |          |          |          |          |          |
|      | D»LIQUID AMS     | 2.50   | PMV 13  |          |          |          |          |          |          |
| 2A»  | ANTHEM MAXX 4.   | 0.134  | LAA 9   | 75       | 0        | 95       | 99       | 99       | 99       |
|      | B ATRAZINE DF    | 2.00   | LAA 9   |          |          |          |          |          |          |
|      | C»RNDUP POWERMAX | 1.125  | LAA 13  |          |          |          |          |          |          |
|      | D»LIQUID AMS     | 2.50   | PMV 13  |          |          |          |          |          |          |
| 3A»  | ANTHEM MAXX 4.   | 0.134  | LAA 9   | 72       | 0        | 96       | 99       | 99       | 99       |
|      | B ATRAZINE DF    | 1.00   | LAA 9   |          |          |          |          |          |          |
|      | C»BAL FLEXX 2L   | 0.031  | LAA 9   |          |          |          |          |          |          |
|      | D»RNDUP POWERMAX | 1.125  | LAA 13  |          |          |          |          |          |          |
|      | E»LIQUID AMS     | 2.50   | PMV 13  |          |          |          |          |          |          |
| 4A»  | ACURON 3.44 ZC   | 2.15   | LAA 9   | 93       | 0        | 89       | 99       | 99       | 99       |
|      | B»RNDUP POWERMAX | 1.125  | LAA 13  |          |          |          |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV 13  |          |          |          |          |          |          |
| 5A»  | CORVUS 2.6SC     | 0.114  | LAA 9   | 93       | 0        | 93       | 99       | 99       | 99       |
|      | B ATRAZINE DF    | 1.00   | LAA 9   |          |          |          |          |          |          |
|      | C»RNDUP POWERMAX | 1.125  | LAA 13  |          |          |          |          |          |          |
|      | D»LIQUID AMS     | 2.50   | PMV 13  |          |          |          |          |          |          |
| 6A»  | VERDICT 5.57L    | 0.696  | LAA 9   | 83       | 0        | 84       | 99       | 99       | 99       |
|      | B»RNDUP POWERMAX | 1.125  | LAA 13  |          |          |          |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV 13  |          |          |          |          |          |          |
| 7A»  | RESICORE 3.29S   | 2.26   | LAA 9   | 93       | 0        | 99       | 99       | 99       | 99       |
|      | B»RNDUP POWERMAX | 1.125  | LAA 13  |          |          |          |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV 13  |          |          |          |          |          |          |
| 8A»  | ANTHEM MAXX 4.   | 0.134  | LAA 9   | 65       | 0        | 99       | 99       | 99       | 99       |
|      | B ATRAZINE DF    | 1.00   | LAA 9   |          |          |          |          |          |          |
|      | C»SOLSTICE 4L    | 0.094  | LAA 12  |          |          |          |          |          |          |
|      | D»RNDUP POWERMAX | 1.125  | LAA 12  |          |          |          |          |          |          |
|      | E»COC            | 0.50   | PMV 12  |          |          |          |          |          |          |
|      | F»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 9A   | DEGREE XTRA      | 3.03   | LAA 9   | 50       | 0        | 99       | 99       | 99       | 99       |
|      | B IMPACT 2.8SC   | 0.016  | LAA 12  |          |          |          |          |          |          |
|      | C»RNDUP POWERMAX | 1.125  | LAA 12  |          |          |          |          |          |          |
|      | D»MSO            | 1.00   | PMV 12  |          |          |          |          |          |          |
|      | E»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 10A» | ANTHEM MAXX 4.   | 0.134  | LAA 9   | 13       | 0        | 96       | 99       | 99       | 99       |
|      | B»SOLSTICE 4L    | 0.078  | LAA 12  |          |          |          |          |          |          |
|      | C ATRAZINE DF    | 1.00   | LAA 12  |          |          |          |          |          |          |
|      | D»RNDUP POWERMAX | 1.125  | LAA 12  |          |          |          |          |          |          |
|      | E»COC            | 0.50   | PMV 12  |          |          |          |          |          |          |
|      | F»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 11A» | ANTHEM MAXX 4.   | 0.134  | LAA 9   | 65       | 0        | 99       | 99       | 99       | 99       |
|      | B ATRAZINE DF    | 1.00   | LAA 9   |          |          |          |          |          |          |
|      | C»SOLSTICE 4L    | 0.078  | LAA 12  |          |          |          |          |          |          |
|      | D ATRAZINE DF    | 0.50   | LAA 12  |          |          |          |          |          |          |
|      | E»RNDUP POWERMAX | 1.125  | LAA 12  |          |          |          |          |          |          |
|      | F»COC            | 0.50   | PMV 12  |          |          |          |          |          |          |
|      | G»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 12A» | ANTHEM MAXX 4.   | 0.067  | LAA 11  | 99       | 0        | 99       | 99       | 99       | 99       |
|      | B»SOLSTICE 4L    | 0.078  | LAA 11  |          |          |          |          |          |          |
|      | C ATRAZINE DF    | 1.00   | LAA 11  |          |          |          |          |          |          |
|      | D»RNDUP POWERMAX | 1.125  | LAA 11  |          |          |          |          |          |          |
|      | E»LIQUID AMS     | 2.50   | PMV 11  |          |          |          |          |          |          |

## TITLE: FMC Weed Control Systems in RR/LL Corn. AS-100

| TRT                | TREATMENT        | DOSAGE |         | XANST    | ZEAMD    | SETFA    | CHEAL    | AMATA    | ABUTH    |
|--------------------|------------------|--------|---------|----------|----------|----------|----------|----------|----------|
| NUM                | COMPONENT        | RATE   | UNIT TM | CON %    | CON %    | CON %    | CON %    | CON %    | CON %    |
|                    |                  |        |         | 05/31/16 | 06/06/16 | 06/06/16 | 06/06/16 | 06/06/16 | 06/06/16 |
| 13A»               | ANTHEM MAXX 4.   | 0.134  | LAA 11  | 99       | 0        | 99       | 99       | 99       | 99       |
|                    | B ATRAZINE DF    | 1.00   | LAA 11  |          |          |          |          |          |          |
|                    | C»RNDUP POWERMAX | 1.125  | LAA 11  |          |          |          |          |          |          |
|                    | D»LIQUID AMS     | 2.50   | PMV 11  |          |          |          |          |          |          |
| 14A»               | HALEX GT 4.38L   | 1.97   | LAA 11  | 99       | 0        | 99       | 99       | 99       | 99       |
|                    | B ATRAZINE DF    | 1.00   | LAA 11  |          |          |          |          |          |          |
|                    | C»ACTIVATOR 90   | 0.25   | PMV 11  |          |          |          |          |          |          |
|                    | D»LIQUID AMS     | 2.50   | PMV 11  |          |          |          |          |          |          |
| 15A                | CHECK            | 0.00   | NA 0    | 0        | 0        | 0        | 0        | 0        | 0        |
| 16A»               | CAPRENO 3.45 S   | 0.081  | LAA 11  | 99       | 0        | 99       | 99       | 99       | 99       |
|                    | B ATRAZINE DF    | 1.00   | LAA 11  |          |          |          |          |          |          |
|                    | C»RNDUP POWERMAX | 1.125  | LAA 11  |          |          |          |          |          |          |
|                    | D»LIQUID AMS     | 2.50   | PMV 11  |          |          |          |          |          |          |
| 17A                | HARNESS XTRA     | 2.52   | LAA 9   | 63       | 0        | 99       | 99       | 99       | 99       |
|                    | B IMPACT 2.8SC   | 0.016  | LAA 12  |          |          |          |          |          |          |
|                    | C ATRAZINE DF    | 0.50   | LAA 12  |          |          |          |          |          |          |
|                    | D»MSO            | 1.00   | PMV 12  |          |          |          |          |          |          |
|                    | E»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 18A                | HARNESS XTRA     | 2.52   | LAA 9   | 57       | 0        | 99       | 99       | 99       | 99       |
|                    | B IMPACT 2.8SC   | 0.016  | LAA 12  |          |          |          |          |          |          |
|                    | C»RNDUP POWERMAX | 1.125  | LAA 12  |          |          |          |          |          |          |
|                    | D ATRAZINE DF    | 0.50   | LAA 12  |          |          |          |          |          |          |
|                    | E»MSO            | 0.50   | PMV 12  |          |          |          |          |          |          |
|                    | F»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 19A                | HARNESS XTRA     | 2.52   | LAA 9   | 50       | 0        | 99       | 99       | 99       | 99       |
|                    | B IMPACT 2.8SC   | 0.016  | LAA 12  |          |          |          |          |          |          |
|                    | C»LIBERTY 2.34L  | 0.40   | LAA 12  |          |          |          |          |          |          |
|                    | D ATRAZINE DF    | 0.50   | LAA 12  |          |          |          |          |          |          |
|                    | E»LIQUID AMS     | 5.00   | PMV 12  |          |          |          |          |          |          |
| 20A                | HARNESS XTRA     | 2.52   | LAA 11  | 99       | 0        | 99       | 99       | 99       | 99       |
|                    | B IMPACT 2.8SC   | 0.022  | LAA 11  |          |          |          |          |          |          |
|                    | C»MSO            | 0.25   | PMV 11  |          |          |          |          |          |          |
|                    | D»LIQUID AMS     | 2.50   | PMV 11  |          |          |          |          |          |          |
| LSD (0.05)         |                  |        |         | 8.4      | 0.0      | 3.1      | 0.0      | 0.0      | 0.0      |
| STANDARD DEVIATION |                  |        |         | 4.2      | 0.0      | 1.5      | 0.0      | 0.0      | 0.0      |

**TITLE:** FMC Weed Control Systems in RR/LL Corn. AS-100  
**CREATED:** 04/06/2016 **REVISED:** 01/06/2017 **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  | TREATMENT        | DOSAGE |         | PHBPU    | XANST    | ZEAMD    | SETFA    | CHEAL    | AMATA    |
|------|------------------|--------|---------|----------|----------|----------|----------|----------|----------|
| NUM  | COMPONENT        | RATE   | UNIT TM | CON %    | CON %    | CON %    | CON %    | CON %    | CON %    |
|      |                  |        |         | 06/06/16 | 06/06/16 | 06/17/16 | 06/17/16 | 06/17/16 | 06/17/16 |
| 1A»  | ANTHEM MAXX 4.   | 0.134  | LAA 9   | 83       | 63       | 0        | 99       | 99       | 99       |
|      | B ATRAZINE DF    | 1.00   | LAA 9   |          |          |          |          |          |          |
|      | C»RNDUP POWERMAX | 1.125  | LAA 13  |          |          |          |          |          |          |
|      | D»LIQUID AMS     | 2.50   | PMV 13  |          |          |          |          |          |          |
| 2A»  | ANTHEM MAXX 4.   | 0.134  | LAA 9   | 87       | 65       | 0        | 99       | 99       | 99       |
|      | B ATRAZINE DF    | 2.00   | LAA 9   |          |          |          |          |          |          |
|      | C»RNDUP POWERMAX | 1.125  | LAA 13  |          |          |          |          |          |          |
|      | D»LIQUID AMS     | 2.50   | PMV 13  |          |          |          |          |          |          |
| 3A»  | ANTHEM MAXX 4.   | 0.134  | LAA 9   | 78       | 63       | 0        | 99       | 99       | 99       |
|      | B ATRAZINE DF    | 1.00   | LAA 9   |          |          |          |          |          |          |
|      | C»BAL FLEXX 2L   | 0.031  | LAA 9   |          |          |          |          |          |          |
|      | D»RNDUP POWERMAX | 1.125  | LAA 13  |          |          |          |          |          |          |
|      | E»LIQUID AMS     | 2.50   | PMV 13  |          |          |          |          |          |          |
| 4A»  | ACURON 3.44 ZC   | 2.15   | LAA 9   | 78       | 72       | 0        | 99       | 99       | 99       |
|      | B»RNDUP POWERMAX | 1.125  | LAA 13  |          |          |          |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV 13  |          |          |          |          |          |          |
| 5A»  | CORVUS 2.6SC     | 0.114  | LAA 9   | 85       | 83       | 0        | 99       | 99       | 99       |
|      | B ATRAZINE DF    | 1.00   | LAA 9   |          |          |          |          |          |          |
|      | C»RNDUP POWERMAX | 1.125  | LAA 13  |          |          |          |          |          |          |
|      | D»LIQUID AMS     | 2.50   | PMV 13  |          |          |          |          |          |          |
| 6A»  | VERDICT 5.57L    | 0.696  | LAA 9   | 89       | 90       | 0        | 99       | 99       | 99       |
|      | B»RNDUP POWERMAX | 1.125  | LAA 13  |          |          |          |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV 13  |          |          |          |          |          |          |
| 7A»  | RESICORE 3.29S   | 2.26   | LAA 9   | 91       | 93       | 0        | 99       | 99       | 99       |
|      | B»RNDUP POWERMAX | 1.125  | LAA 13  |          |          |          |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV 13  |          |          |          |          |          |          |
| 8A»  | ANTHEM MAXX 4.   | 0.134  | LAA 9   | 99       | 99       | 0        | 99       | 99       | 99       |
|      | B ATRAZINE DF    | 1.00   | LAA 9   |          |          |          |          |          |          |
|      | C»SOLSTICE 4L    | 0.094  | LAA 12  |          |          |          |          |          |          |
|      | D»RNDUP POWERMAX | 1.125  | LAA 12  |          |          |          |          |          |          |
|      | E»COC            | 0.50   | PMV 12  |          |          |          |          |          |          |
|      | F»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 9A   | DEGREE XTRA      | 3.03   | LAA 9   | 89       | 95       | 0        | 99       | 99       | 99       |
|      | B IMPACT 2.8SC   | 0.016  | LAA 12  |          |          |          |          |          |          |
|      | C»RNDUP POWERMAX | 1.125  | LAA 12  |          |          |          |          |          |          |
|      | D»MSO            | 1.00   | PMV 12  |          |          |          |          |          |          |
|      | E»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 10A» | ANTHEM MAXX 4.   | 0.134  | LAA 9   | 98       | 98       | 0        | 99       | 99       | 99       |
|      | B»SOLSTICE 4L    | 0.078  | LAA 12  |          |          |          |          |          |          |
|      | C ATRAZINE DF    | 1.00   | LAA 12  |          |          |          |          |          |          |
|      | D»RNDUP POWERMAX | 1.125  | LAA 12  |          |          |          |          |          |          |
|      | E»COC            | 0.50   | PMV 12  |          |          |          |          |          |          |
|      | F»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 11A» | ANTHEM MAXX 4.   | 0.134  | LAA 9   | 99       | 99       | 0        | 99       | 99       | 99       |
|      | B ATRAZINE DF    | 1.00   | LAA 9   |          |          |          |          |          |          |
|      | C»SOLSTICE 4L    | 0.078  | LAA 12  |          |          |          |          |          |          |
|      | D ATRAZINE DF    | 0.50   | LAA 12  |          |          |          |          |          |          |
|      | E»RNDUP POWERMAX | 1.125  | LAA 12  |          |          |          |          |          |          |
|      | F»COC            | 0.50   | PMV 12  |          |          |          |          |          |          |
|      | G»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 12A» | ANTHEM MAXX 4.   | 0.067  | LAA 11  | 98       | 99       | 0        | 97       | 99       | 99       |
|      | B»SOLSTICE 4L    | 0.078  | LAA 11  |          |          |          |          |          |          |
|      | C ATRAZINE DF    | 1.00   | LAA 11  |          |          |          |          |          |          |
|      | D»RNDUP POWERMAX | 1.125  | LAA 11  |          |          |          |          |          |          |
|      | E»LIQUID AMS     | 2.50   | PMV 11  |          |          |          |          |          |          |

## TITLE: FMC Weed Control Systems in RR/LL Corn. AS-100

| TRT                | TREATMENT        | DOSAGE |         | PHBPU    | XANST    | ZEAMD    | SETFA    | CHEAL    | AMATA    |
|--------------------|------------------|--------|---------|----------|----------|----------|----------|----------|----------|
| NUM                | COMPONENT        | RATE   | UNIT TM | CON %    | CON %    | CON %    | CON %    | CON %    | CON %    |
|                    |                  |        |         | 06/06/16 | 06/06/16 | 06/17/16 | 06/17/16 | 06/17/16 | 06/17/16 |
| 13A»               | ANTHEM MAXX 4.   | 0.134  | LAA 11  | 99       | 99       | 0        | 99       | 99       | 99       |
|                    | B ATRAZINE DF    | 1.00   | LAA 11  |          |          |          |          |          |          |
|                    | C»RNDUP POWERMAX | 1.125  | LAA 11  |          |          |          |          |          |          |
|                    | D»LIQUID AMS     | 2.50   | PMV 11  |          |          |          |          |          |          |
| 14A»               | HALEX GT 4.38L   | 1.97   | LAA 11  | 97       | 99       | 0        | 95       | 99       | 99       |
|                    | B ATRAZINE DF    | 1.00   | LAA 11  |          |          |          |          |          |          |
|                    | C»ACTIVATOR 90   | 0.25   | PMV 11  |          |          |          |          |          |          |
|                    | D»LIQUID AMS     | 2.50   | PMV 11  |          |          |          |          |          |          |
| 15A                | CHECK            | 0.00   | NA 0    | 0        | 0        | 0        | 0        | 0        | 0        |
| 16A»               | CAPRENO 3.45 S   | 0.081  | LAA 11  | 97       | 98       | 0        | 98       | 99       | 99       |
|                    | B ATRAZINE DF    | 1.00   | LAA 11  |          |          |          |          |          |          |
|                    | C»RNDUP POWERMAX | 1.125  | LAA 11  |          |          |          |          |          |          |
|                    | D»LIQUID AMS     | 2.50   | PMV 11  |          |          |          |          |          |          |
| 17A                | HARNESS XTRA     | 2.52   | LAA 9   | 97       | 98       | 0        | 99       | 99       | 99       |
|                    | B IMPACT 2.8SC   | 0.016  | LAA 12  |          |          |          |          |          |          |
|                    | C ATRAZINE DF    | 0.50   | LAA 12  |          |          |          |          |          |          |
|                    | D»MSO            | 1.00   | PMV 12  |          |          |          |          |          |          |
|                    | E»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 18A                | HARNESS XTRA     | 2.52   | LAA 9   | 96       | 96       | 0        | 99       | 99       | 99       |
|                    | B IMPACT 2.8SC   | 0.016  | LAA 12  |          |          |          |          |          |          |
|                    | C»RNDUP POWERMAX | 1.125  | LAA 12  |          |          |          |          |          |          |
|                    | D ATRAZINE DF    | 0.50   | LAA 12  |          |          |          |          |          |          |
|                    | E»MSO            | 0.50   | PMV 12  |          |          |          |          |          |          |
|                    | F»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 19A                | HARNESS XTRA     | 2.52   | LAA 9   | 97       | 98       | 0        | 99       | 99       | 99       |
|                    | B IMPACT 2.8SC   | 0.016  | LAA 12  |          |          |          |          |          |          |
|                    | C»LIBERTY 2.34L  | 0.40   | LAA 12  |          |          |          |          |          |          |
|                    | D ATRAZINE DF    | 0.50   | LAA 12  |          |          |          |          |          |          |
|                    | E»LIQUID AMS     | 5.00   | PMV 12  |          |          |          |          |          |          |
| 20A                | HARNESS XTRA     | 2.52   | LAA 11  | 96       | 97       | 0        | 98       | 99       | 99       |
|                    | B IMPACT 2.8SC   | 0.022  | LAA 11  |          |          |          |          |          |          |
|                    | C»MSO            | 0.25   | PMV 11  |          |          |          |          |          |          |
|                    | D»LIQUID AMS     | 2.50   | PMV 11  |          |          |          |          |          |          |
| LSD (0.05)         |                  |        |         | 5.6      | 6.5      | 0.0      | 1.2      | 0.0      | 0.0      |
| STANDARD DEVIATION |                  |        |         | 2.8      | 3.2      | 0.0      | 0.6      | 0.0      | 0.0      |

**TITLE:** FMC Weed Control Systems in RR/LL Corn. AS-100  
**CREATED:** 04/06/2016 **REVISED:** 01/06/2017 **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  | TREATMENT      | DOSAGE | ABUTH | PHBPU | XANST    | SETFA    | CHEAL    | AMATA    |
|------|----------------|--------|-------|-------|----------|----------|----------|----------|
| NUM  | COMPONENT      | RATE   | UNIT  | TM    | CON %    | CON %    | CON %    | CON %    |
|      |                |        |       |       | 06/17/16 | 06/17/16 | 06/17/16 | 07/05/16 |
| 1A»  | ANTHEM MAXX 4. | 0.134  | LAA   | 9     | 99       | 97       | 99       | 99       |
| B    | ATRAZINE DF    | 1.00   | LAA   | 9     |          |          |          |          |
| C»   | RNDUP POWERMAX | 1.125  | LAA   | 13    |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
| 2A»  | ANTHEM MAXX 4. | 0.134  | LAA   | 9     | 99       | 97       | 99       | 99       |
| B    | ATRAZINE DF    | 2.00   | LAA   | 9     |          |          |          |          |
| C»   | RNDUP POWERMAX | 1.125  | LAA   | 13    |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
| 3A»  | ANTHEM MAXX 4. | 0.134  | LAA   | 9     | 99       | 93       | 98       | 99       |
| B    | ATRAZINE DF    | 1.00   | LAA   | 9     |          |          |          |          |
| C»   | BAL FLEXX 2L   | 0.031  | LAA   | 9     |          |          |          |          |
| D»   | RNDUP POWERMAX | 1.125  | LAA   | 13    |          |          |          |          |
| E»   | LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
| 4A»  | ACURON 3.44 ZC | 2.15   | LAA   | 9     | 99       | 98       | 99       | 99       |
| B»   | RNDUP POWERMAX | 1.125  | LAA   | 13    |          |          |          |          |
| C»   | LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
| 5A»  | CORVUS 2.6SC   | 0.114  | LAA   | 9     | 99       | 89       | 91       | 99       |
| B    | ATRAZINE DF    | 1.00   | LAA   | 9     |          |          |          |          |
| C»   | RNDUP POWERMAX | 1.125  | LAA   | 13    |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
| 6A»  | VERDICT 5.57L  | 0.696  | LAA   | 9     | 99       | 97       | 99       | 99       |
| B»   | RNDUP POWERMAX | 1.125  | LAA   | 13    |          |          |          |          |
| C»   | LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
| 7A»  | RESICORE 3.29S | 2.26   | LAA   | 9     | 99       | 97       | 99       | 99       |
| B»   | RNDUP POWERMAX | 1.125  | LAA   | 13    |          |          |          |          |
| C»   | LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
| 8A»  | ANTHEM MAXX 4. | 0.134  | LAA   | 9     | 99       | 99       | 99       | 99       |
| B    | ATRAZINE DF    | 1.00   | LAA   | 9     |          |          |          |          |
| C»   | SOLSTICE 4L    | 0.094  | LAA   | 12    |          |          |          |          |
| D»   | RNDUP POWERMAX | 1.125  | LAA   | 12    |          |          |          |          |
| E»   | COC            | 0.50   | PMV   | 12    |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV   | 12    |          |          |          |          |
| 9A   | DEGREE XTRA    | 3.03   | LAA   | 9     | 99       | 97       | 98       | 99       |
| B    | IMPACT 2.8SC   | 0.016  | LAA   | 12    |          |          |          |          |
| C»   | RNDUP POWERMAX | 1.125  | LAA   | 12    |          |          |          |          |
| D»   | MSO            | 1.00   | PMV   | 12    |          |          |          |          |
| E»   | LIQUID AMS     | 2.50   | PMV   | 12    |          |          |          |          |
| 10A» | ANTHEM MAXX 4. | 0.134  | LAA   | 9     | 99       | 96       | 99       | 99       |
| B»   | SOLSTICE 4L    | 0.078  | LAA   | 12    |          |          |          |          |
| C    | ATRAZINE DF    | 1.00   | LAA   | 12    |          |          |          |          |
| D»   | RNDUP POWERMAX | 1.125  | LAA   | 12    |          |          |          |          |
| E»   | COC            | 0.50   | PMV   | 12    |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV   | 12    |          |          |          |          |
| 11A» | ANTHEM MAXX 4. | 0.134  | LAA   | 9     | 99       | 98       | 99       | 99       |
| B    | ATRAZINE DF    | 1.00   | LAA   | 9     |          |          |          |          |
| C»   | SOLSTICE 4L    | 0.078  | LAA   | 12    |          |          |          |          |
| D    | ATRAZINE DF    | 0.50   | LAA   | 12    |          |          |          |          |
| E»   | RNDUP POWERMAX | 1.125  | LAA   | 12    |          |          |          |          |
| F»   | COC            | 0.50   | PMV   | 12    |          |          |          |          |
| G»   | LIQUID AMS     | 2.50   | PMV   | 12    |          |          |          |          |
| 12A» | ANTHEM MAXX 4. | 0.067  | LAA   | 11    | 99       | 92       | 96       | 99       |
| B»   | SOLSTICE 4L    | 0.078  | LAA   | 11    |          |          |          |          |
| C    | ATRAZINE DF    | 1.00   | LAA   | 11    |          |          |          |          |
| D»   | RNDUP POWERMAX | 1.125  | LAA   | 11    |          |          |          |          |
| E»   | LIQUID AMS     | 2.50   | PMV   | 11    |          |          |          |          |

## TITLE: FMC Weed Control Systems in RR/LL Corn. AS-100

| TRT                | TREATMENT        | DOSAGE | ABUTH | PHBPU | XANST    | SETFA    | CHEAL    | AMATA    |
|--------------------|------------------|--------|-------|-------|----------|----------|----------|----------|
| NUM                | COMPONENT        | RATE   | UNIT  | TM    | CON %    | CON %    | CON %    | CON %    |
|                    |                  |        |       |       | 06/17/16 | 06/17/16 | 06/17/16 | 07/05/16 |
| 13A»               | ANTHEM MAXX 4.   | 0.134  | LAA   | 11    | 99       | 94       | 88       | 98       |
|                    | B ATRAZINE DF    | 1.00   | LAA   | 11    |          |          |          | 99       |
|                    | C»RNDUP POWERMAX | 1.125  | LAA   | 11    |          |          |          |          |
|                    | D»LIQUID AMS     | 2.50   | PMV   | 11    |          |          |          |          |
| 14A»               | HALEX GT 4.38L   | 1.97   | LAA   | 11    | 99       | 87       | 90       | 92       |
|                    | B ATRAZINE DF    | 1.00   | LAA   | 11    |          |          |          | 99       |
|                    | C»ACTIVATOR 90   | 0.25   | PMV   | 11    |          |          |          |          |
|                    | D»LIQUID AMS     | 2.50   | PMV   | 11    |          |          |          |          |
| 15A                | CHECK            | 0.00   | NA    | 0     | 0        | 0        | 0        | 0        |
| 16A»               | CAPRENO 3.45 S   | 0.081  | LAA   | 11    | 99       | 95       | 99       | 96       |
|                    | B ATRAZINE DF    | 1.00   | LAA   | 11    |          |          |          | 99       |
|                    | C»RNDUP POWERMAX | 1.125  | LAA   | 11    |          |          |          |          |
|                    | D»LIQUID AMS     | 2.50   | PMV   | 11    |          |          |          |          |
| 17A                | HARNESS XTRA     | 2.52   | LAA   | 9     | 99       | 97       | 99       | 99       |
|                    | B IMPACT 2.8SC   | 0.016  | LAA   | 12    |          |          |          |          |
|                    | C ATRAZINE DF    | 0.50   | LAA   | 12    |          |          |          |          |
|                    | D»MSO            | 1.00   | PMV   | 12    |          |          |          |          |
|                    | E»LIQUID AMS     | 2.50   | PMV   | 12    |          |          |          |          |
| 18A                | HARNESS XTRA     | 2.52   | LAA   | 9     | 99       | 98       | 99       | 99       |
|                    | B IMPACT 2.8SC   | 0.016  | LAA   | 12    |          |          |          |          |
|                    | C»RNDUP POWERMAX | 1.125  | LAA   | 12    |          |          |          |          |
|                    | D ATRAZINE DF    | 0.50   | LAA   | 12    |          |          |          |          |
|                    | E»MSO            | 0.50   | PMV   | 12    |          |          |          |          |
|                    | F»LIQUID AMS     | 2.50   | PMV   | 12    |          |          |          |          |
| 19A                | HARNESS XTRA     | 2.52   | LAA   | 9     | 99       | 98       | 99       | 99       |
|                    | B IMPACT 2.8SC   | 0.016  | LAA   | 12    |          |          |          |          |
|                    | C»LIBERTY 2.34L  | 0.40   | LAA   | 12    |          |          |          |          |
|                    | D ATRAZINE DF    | 0.50   | LAA   | 12    |          |          |          |          |
|                    | E»LIQUID AMS     | 5.00   | PMV   | 12    |          |          |          |          |
| 20A                | HARNESS XTRA     | 2.52   | LAA   | 11    | 99       | 91       | 94       | 97       |
|                    | B IMPACT 2.8SC   | 0.022  | LAA   | 11    |          |          |          | 99       |
|                    | C»MSO            | 0.25   | PMV   | 11    |          |          |          |          |
|                    | D»LIQUID AMS     | 2.50   | PMV   | 11    |          |          |          |          |
| LSD (0.05)         |                  |        |       |       | 0.0      | 5.3      | 6.2      | 2.8      |
| STANDARD DEVIATION |                  |        |       |       | 0.0      | 2.6      | 3.1      | 1.4      |
|                    |                  |        |       |       |          |          |          | 0.0      |
|                    |                  |        |       |       |          |          |          | 0.9      |
|                    |                  |        |       |       |          |          |          | 0.4      |

TITLE: FMC Weed Control Systems in RR/LL Corn. AS-100  
 CREATED: 04/06/2016 REVISED: 01/06/2017 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  | TREATMENT        | DOSAGE | ABUTH  | PHBPU    | XANST    | YIELD    |
|------|------------------|--------|--------|----------|----------|----------|
| NUM  | COMPONENT        | RATE   | UNIT   | CON %    | CON %    | CON %    |
|      |                  |        | TM     | 07/05/16 | 07/05/16 | 07/05/16 |
|      |                  |        |        |          |          | 09/28/16 |
| 1A»  | ANTHEM MAXX 4.   | 0.134  | LAA 9  | 99       | 93       | 97       |
|      | B ATRAZINE DF    | 1.00   | LAA 9  |          |          |          |
|      | C»RNDUP POWERMAX | 1.125  | LAA 13 |          |          |          |
|      | D»LIQUID AMS     | 2.50   | PMV 13 |          |          |          |
| 2A»  | ANTHEM MAXX 4.   | 0.134  | LAA 9  | 99       | 95       | 99       |
|      | B ATRAZINE DF    | 2.00   | LAA 9  |          |          |          |
|      | C»RNDUP POWERMAX | 1.125  | LAA 13 |          |          |          |
|      | D»LIQUID AMS     | 2.50   | PMV 13 |          |          |          |
| 3A»  | ANTHEM MAXX 4.   | 0.134  | LAA 9  | 99       | 92       | 98       |
|      | B ATRAZINE DF    | 1.00   | LAA 9  |          |          |          |
|      | C»BAL FLEXX 2L   | 0.031  | LAA 9  |          |          |          |
|      | D»RNDUP POWERMAX | 1.125  | LAA 13 |          |          |          |
|      | E»LIQUID AMS     | 2.50   | PMV 13 |          |          |          |
| 4A»  | ACURON 3.44 ZC   | 2.15   | LAA 9  | 99       | 95       | 99       |
|      | B»RNDUP POWERMAX | 1.125  | LAA 13 |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV 13 |          |          |          |
| 5A»  | CORVUS 2.6SC     | 0.114  | LAA 9  | 99       | 85       | 90       |
|      | B ATRAZINE DF    | 1.00   | LAA 9  |          |          |          |
|      | C»RNDUP POWERMAX | 1.125  | LAA 13 |          |          |          |
|      | D»LIQUID AMS     | 2.50   | PMV 13 |          |          |          |
| 6A»  | VERDICT 5.57L    | 0.696  | LAA 9  | 99       | 93       | 99       |
|      | B»RNDUP POWERMAX | 1.125  | LAA 13 |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV 13 |          |          |          |
| 7A»  | RESICORE 3.29S   | 2.26   | LAA 9  | 99       | 96       | 99       |
|      | B»RNDUP POWERMAX | 1.125  | LAA 13 |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV 13 |          |          |          |
| 8A»  | ANTHEM MAXX 4.   | 0.134  | LAA 9  | 99       | 98       | 99       |
|      | B ATRAZINE DF    | 1.00   | LAA 9  |          |          |          |
|      | C»SOLSTICE 4L    | 0.094  | LAA 12 |          |          |          |
|      | D»RNDUP POWERMAX | 1.125  | LAA 12 |          |          |          |
|      | E»COC            | 0.50   | PMV 12 |          |          |          |
|      | F»LIQUID AMS     | 2.50   | PMV 12 |          |          |          |
| 9A   | DEGREE XTRA      | 3.03   | LAA 9  | 99       | 94       | 95       |
|      | B IMPACT 2.8SC   | 0.016  | LAA 12 |          |          |          |
|      | C»RNDUP POWERMAX | 1.125  | LAA 12 |          |          |          |
|      | D»MSO            | 1.00   | PMV 12 |          |          |          |
|      | E»LIQUID AMS     | 2.50   | PMV 12 |          |          |          |
| 10A» | ANTHEM MAXX 4.   | 0.134  | LAA 9  | 99       | 94       | 98       |
|      | B»SOLSTICE 4L    | 0.078  | LAA 12 |          |          |          |
|      | C ATRAZINE DF    | 1.00   | LAA 12 |          |          |          |
|      | D»RNDUP POWERMAX | 1.125  | LAA 12 |          |          |          |
|      | E»COC            | 0.50   | PMV 12 |          |          |          |
|      | F»LIQUID AMS     | 2.50   | PMV 12 |          |          |          |
| 11A» | ANTHEM MAXX 4.   | 0.134  | LAA 9  | 99       | 96       | 99       |
|      | B ATRAZINE DF    | 1.00   | LAA 9  |          |          |          |
|      | C»SOLSTICE 4L    | 0.078  | LAA 12 |          |          |          |
|      | D ATRAZINE DF    | 0.50   | LAA 12 |          |          |          |
|      | E»RNDUP POWERMAX | 1.125  | LAA 12 |          |          |          |
|      | F»COC            | 0.50   | PMV 12 |          |          |          |
|      | G»LIQUID AMS     | 2.50   | PMV 12 |          |          |          |
| 12A» | ANTHEM MAXX 4.   | 0.067  | LAA 11 | 99       | 85       | 92       |
|      | B»SOLSTICE 4L    | 0.078  | LAA 11 |          |          |          |
|      | C ATRAZINE DF    | 1.00   | LAA 11 |          |          |          |
|      | D»RNDUP POWERMAX | 1.125  | LAA 11 |          |          |          |
|      | E»LIQUID AMS     | 2.50   | PMV 11 |          |          |          |

## TITLE: FMC Weed Control Systems in RR/LL Corn. AS-100

| TRT TREATMENT<br>NUM COMPONENT                                                                   | DOSAGE<br>RATE                                 | UNIT                                   | TM                              | ABUTH<br>CON %<br>07/05/16 | PHBPU<br>CON %<br>07/05/16 | XANST<br>CON %<br>07/05/16 | YIELD<br>BU/A<br>09/28/16 |
|--------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------|---------------------------------|----------------------------|----------------------------|----------------------------|---------------------------|
| 13A»ANTHEM MAXX 4.<br>B ATRAZINE DF<br>C»RNDUP POWERMAX<br>D»LIQUID AMS                          | 0.134<br>1.00<br>1.125<br>2.50                 | LAA<br>LAA<br>LAA<br>PMV               | 11<br>11<br>11<br>11            | 99                         | 89                         | 87                         | 218.4                     |
| 14A»HALEX GT 4.38L<br>B ATRAZINE DF<br>C»ACTIVATOR 90<br>D»LIQUID AMS                            | 1.97<br>1.00<br>0.25<br>2.50                   | LAA<br>LAA<br>PMV<br>PMV               | 11<br>11<br>11<br>11            | 99                         | 83                         | 86                         | 198.9                     |
| 15A CHECK                                                                                        | 0.00                                           | NA                                     | 0                               | 0                          | 0                          | 0                          | 101.3                     |
| 16A»CAPRENO 3.45 S<br>B ATRAZINE DF<br>C»RNDUP POWERMAX<br>D»LIQUID AMS                          | 0.081<br>1.00<br>1.125<br>2.50                 | LAA<br>LAA<br>LAA<br>PMV               | 11<br>11<br>11<br>11            | 99                         | 96                         | 98                         | 215.2                     |
| 17A HARNESS XTRA<br>B IMPACT 2.8SC<br>C ATRAZINE DF<br>D»MSO<br>E»LIQUID AMS                     | 2.52<br>0.016<br>0.50<br>1.00<br>2.50          | LAA<br>LAA<br>LAA<br>PMV<br>PMV        | 9<br>12<br>12<br>12<br>12       | 99                         | 95                         | 98                         | 223.8                     |
| 18A HARNESS XTRA<br>B IMPACT 2.8SC<br>C»RNDUP POWERMAX<br>D ATRAZINE DF<br>E»MSO<br>F»LIQUID AMS | 2.52<br>0.016<br>1.125<br>0.50<br>0.50<br>2.50 | LAA<br>LAA<br>LAA<br>LAA<br>PMV<br>PMV | 9<br>12<br>12<br>12<br>12<br>12 | 99                         | 95                         | 99                         | 228.2                     |
| 19A HARNESS XTRA<br>B IMPACT 2.8SC<br>C»LIBERTY 2.34L<br>D ATRAZINE DF<br>E»LIQUID AMS           | 2.52<br>0.016<br>0.40<br>0.50<br>5.00          | LAA<br>LAA<br>LAA<br>LAA<br>PMV        | 9<br>12<br>12<br>12<br>12       | 99                         | 96                         | 99                         | 237.5                     |
| 20A HARNESS XTRA<br>B IMPACT 2.8SC<br>C»MSO<br>D»LIQUID AMS                                      | 2.52<br>0.022<br>0.25<br>2.50                  | LAA<br>LAA<br>PMV<br>PMV               | 11<br>11<br>11<br>11            | 99                         | 88                         | 95                         | 204.8                     |
| LSD (0.05)                                                                                       |                                                |                                        |                                 | 0.0                        | 5.2                        | 7.3                        | 19.69                     |
| STANDARD DEVIATION                                                                               |                                                |                                        |                                 | 0.0                        | 2.6                        | 3.6                        | 9.74                      |

## » = SUPPLEMENTAL CHEMICAL

## \* TIMING CODES

00 = --- / UNTREATED TIMING  
 09 = --- / PREEMERGENCE 04/19/2016(1)  
 11 = --- / EPOST 05/22/2016(2)  
 12 = --- / POST 06/03/2016(3)  
 13 = --- / LPOST 06/08/2016(4)

| H#  | CUSTOM#1 | CUSTOM#2 | EV. DATE   | S# | TYP | SPECI | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS   | C.M | CTRT | SS | NOTE |
|-----|----------|----------|------------|----|-----|-------|-------|-----|-----|-----|-----|-----|---------|-----|------|----|------|
| 001 | ZEAMD    | CON %    | 05/31/2016 | 01 | P   | ZEAMD |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 002 | SETFA    | CON %    | 05/31/2016 | 02 | P   | SETFA |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 003 | CHEAL    | CON %    | 05/31/2016 | 03 | P   | CHEAL |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 004 | AMATA    | CON %    | 05/31/2016 | 04 | P   | AMATA |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 005 | ABUTH    | CON %    | 05/31/2016 | 05 | P   | ABUTH |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 006 | PHBPU    | CON %    | 05/31/2016 | 06 | P   | PHBPU |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 007 | XANST    | CON %    | 05/31/2016 | 07 | P   | XANST |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 008 | ZEAMD    | CON %    | 06/06/2016 | 01 | P   | ZEAMD |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 009 | SETFA    | CON %    | 06/06/2016 | 02 | P   | SETFA |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 010 | CHEAL    | CON %    | 06/06/2016 | 03 | P   | CHEAL |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 011 | AMATA    | CON %    | 06/06/2016 | 04 | P   | AMATA |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 012 | ABUTH    | CON %    | 06/06/2016 | 05 | P   | ABUTH |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 013 | PHBPU    | CON %    | 06/06/2016 | 06 | P   | PHBPU |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 014 | XANST    | CON %    | 06/06/2016 | 07 | P   | XANST |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 015 | ZEAMD    | CON %    | 06/17/2016 | 01 | P   | ZEAMD |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 016 | SETFA    | CON %    | 06/17/2016 | 02 | P   | SETFA |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |

TITLE: FMC Weed Control Systems in RR/LL Corn. AS-100

| H#  | CUSTOM#1 | CUSTOM#2 | EV. DATE   | S# | TYP | SPECI | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS   | C.M | CTRT | SS | NOTE |
|-----|----------|----------|------------|----|-----|-------|-------|-----|-----|-----|-----|-----|---------|-----|------|----|------|
| 017 | CHEAL    | CON %    | 06/17/2016 | 03 | P   | CHEAL |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 018 | AMATA    | CON %    | 06/17/2016 | 04 | P   | AMATA |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 019 | ABUTH    | CON %    | 06/17/2016 | 05 | P   | ABUTH |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 020 | PHBPU    | CON %    | 06/17/2016 | 06 | P   | PHBPU |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 021 | XANST    | CON %    | 06/17/2016 | 07 | P   | XANST |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 022 | SETFA    | CON %    | 07/05/2016 | 02 | P   | SETFA |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 023 | CHEAL    | CON %    | 07/05/2016 | 03 | P   | CHEAL |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 024 | AMATA    | CON %    | 07/05/2016 | 04 | P   | AMATA |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 025 | ABUTH    | CON %    | 07/05/2016 | 05 | P   | ABUTH |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 026 | PHBPU    | CON %    | 07/05/2016 | 06 | P   | PHBPU |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 027 | XANST    | CON %    | 07/05/2016 | 07 | P   | XANST |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 028 | YIELD    | BU/A     | 09/28/2016 | 01 | P   | ZEAMD |       | RAW | ALL | YLD | BU  | --- | 1.00 A  | NO  | 0001 | 0  | N    |

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

01 = N68K-3111A