

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIL  
PH: 6.6  
%OM: 4.7  
PREV.CROP: ZEAMD - CORN, DENT  
%RESIDUE: 0  
PLOT WIDTH: 20 X 90 FEET  
PLOT AREA: 1800 FEET

DESIGN: RCB  
REPS: 1

| APPL. NUMBER      | 01        | 02        | 03        | 04        | UNIT |
|-------------------|-----------|-----------|-----------|-----------|------|
| TIMINGS           | 09        | 11        | 13        | 15        |      |
| TYPE              | LIQMIX    | LIQMIX    | LIQMIX    | LIQMIX    |      |
| APPLICATION DATE  | 05/10/12  | 06/05/12  | 06/12/12  | 07/13/12  | AME  |
| AIR TEMPERATURE   | 71        | 75        | 65        | 85        | F    |
| % REL.HUMIDITY    | 32        | 37        | 51        | 38        |      |
| WIND DIRECTION    | NORTHEAST | NORTHEAST | SOUTHWEST | SOUTHEAST | M/H  |
| WIND SPEED        | 2.0       | 4.0       | 8.0       | 2.0       |      |
| CLOUD COVER       | CLEAR     | PARTCLDY  | PARTCLDY  | CLEAR     |      |
| DEW               | NO        | NO        | NO        | NO        |      |
| SOIL MOISTURE     | DRY/MOIST | MOIST/MOI | DRY/MOIST | DRY/DRY   |      |
| SOIL CONDITION    | ---       | ---       | ---       | ---       |      |
| METHOD            | SPRAY     | SPRAY     | SPRAY     | SPRAY     |      |
| EQUIPMENT         | SPRBAC    | SPRBAC    | SPRBAC    | SPRBAC    |      |
| PROPELLANT        | COMCO2    | COMCO2    | COMCO2    | COMCO2    |      |
| PLACEMENT         | BRFOSO    | BRFOSO    | BRFOSO    | BRFOSO    |      |
| NOZZLE            | FLATFAN   | FLATFAN   | FLATFAN   | FLATFAN   |      |
| NOZZLE NUMBER     | 6         | 6         | 6         | 6         |      |
| NOZZLE SPACING    | 20.000    | 20.000    | 20.000    | 20.000    | IN   |
| SCREEN SIZE       |           |           |           |           |      |
| SCREEN SZ DESC    | NA        | NA        | NA        | NA        |      |
| SWATH WIDTH       | 10.0      | 10.0      | 10.0      | 10.0      | FT   |
| SPRAY VOLUME      | 20.00     | 20.00     | 20.00     | 20.00     |      |
| SPRAY VOLUME UNIT | GPA       | GPA       | GPA       | GPA       |      |
| PRESSURE          | 32.00     | 32.00     | 32.00     | 32.00     | PSI  |
| DILUENT           | WATER     | WATER     | WATER     | WATER     |      |
| INC. DATE         |           |           |           |           | AME  |
| INC. START        |           |           |           |           | 24H  |
| INC. END          |           |           |           |           | 24H  |
| INC. DEPTH        |           |           |           |           | IN   |
| INC. EQUIPMENT    | ---       | ---       | ---       | ---       |      |
|                   | DENSITY / |           |           |           |      |
| *** CROP ***      |           |           |           |           |      |
| SOYBEAN           |           | ---/14    | ---/15    | ---/66    |      |
| HERB TOLERANT VA  |           | 5.00/6.00 | 8.00/8.00 | 30.0/30.0 | IN   |
| 05/10/2012        |           |           |           |           |      |
| *** PEST ***      |           |           |           |           |      |
| VELVETLEAF        |           | ---/14    | ---/16    |           |      |
|                   |           | 3.00/5.00 | 4.00/8.00 |           | IN   |
| WATERHEMP, COMMO  |           | ---/19    | ---/19    |           |      |
|                   |           | 1.00/5.00 | 4.00/8.00 |           | IN   |
| LAMBSQUARTERS, C  |           | ---/19    | ---/19    |           |      |
|                   |           | 1.00/3.00 | 2.00/6.00 |           | IN   |
| MORNINGGLORY, TA  |           | ---/16    | ---/19    |           |      |
|                   |           | 1.00/3.00 | 3.00/6.00 |           | IN   |
| FOXTAIL, GIANT    |           | ---/14    | ---/16    |           |      |
|                   |           | 1.00/6.00 | 4.00/8.00 |           | IN   |

## \* TIMING CODES

09 = ----- / PREEMERGENCE  
11 = ----- / EPOST  
13 = ----- / LPOST  
15 = ----- / PO.DIRECTED

## \* STAGE CODE

14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES  
14 = 4 LEAVES UNFOLDED  
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
15 = 5TH LEAF (3RD TRIFOLIATE LEAF) UNFOLDED, 4 NODES  
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6 LEAVES UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
66 = 60% OF FLOWERS OPEN (DETERMINE)

**TITLE:** Syngenta Integrated Crop Solutions in Glyph. Resis. Soybean. AS-200  
**CREATED:** 04/14/2012 **REVISED:** 10/26/2012 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 20.00 FT WIDE X 90.00 FT LONG  
**PLOT AREA:** 1800.00 SFT

REPS: 01

| TRT TREATMENT<br>NUM COMPONENT | DOSAGE<br>RATE | UNIT | TM | GLXMA<br>CON %<br>06/05/12 | SETFA<br>CON %<br>06/05/12 | CHEAL<br>CON %<br>06/05/12 | AMATA<br>CON %<br>06/05/12 | ABUTH<br>CON %<br>06/05/12 | PHBPU<br>CON %<br>06/05/12 |
|--------------------------------|----------------|------|----|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| 1A»S34-N3 RR1 UNT              | 0.00           | NA   | 0  | 0                          | 0C                         | 0C                         | 0C                         | 0C                         | 0C                         |
| B»TOUCHDN TOTAL                | 0.78           | LAA  | 11 |                            |                            |                            |                            |                            |                            |
| C»LIQUID AMS                   | 2.50           | PMV  | 11 |                            |                            |                            |                            |                            |                            |
| D»TOUCHDN TOTAL                | 0.78           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| E»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| F»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| G»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| H»COC                          | 1.00           | PMV  | 15 |                            |                            |                            |                            |                            |                            |
| 2A»S34-N3 RR1 TRT              | 0.00           | NA   | 0  | 0                          | 50                         | 99                         | 99                         | 20                         | 60                         |
| B BOUNDARY 6.5EC               | 1.42           | LAA  | 9  |                            |                            |                            |                            |                            |                            |
| C»FLEXSTAR GT 3.               | 1.23           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| D»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| E»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| F»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| G»COC                          | 1.00           | PMV  | 15 |                            |                            |                            |                            |                            |                            |
| 3A»S35-T9 RR2 UNT              | 0.00           | NA   | 0  | 0                          | 0C                         | 0C                         | 0C                         | 0C                         | 0C                         |
| B»TOUCHDN TOTAL                | 0.78           | LAA  | 11 |                            |                            |                            |                            |                            |                            |
| C»LIQUID AMS                   | 2.50           | PMV  | 11 |                            |                            |                            |                            |                            |                            |
| D»TOUCHDN TOTAL                | 0.78           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| E»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| F»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| G»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| H»COC                          | 1.00           | PMV  | 15 |                            |                            |                            |                            |                            |                            |
| 4A»S35-T9 RR2 TRT              | 0.00           | NA   | 0  | 0                          | 65                         | 99                         | 99                         | 30                         | 65                         |
| B BOUNDARY 6.5EC               | 1.42           | LAA  | 9  |                            |                            |                            |                            |                            |                            |
| C»FLEXSTAR GT 3.               | 1.23           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| D»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| E»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| F»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| G»COC                          | 1.00           | PMV  | 15 |                            |                            |                            |                            |                            |                            |
| 5A»S34-N3 RR1 UNT              | 0.00           | NA   | 0  | 0                          | 0C                         | 0C                         | 0C                         | 0C                         | 0C                         |
| B»TOUCHDN TOTAL                | 0.78           | LAA  | 11 |                            |                            |                            |                            |                            |                            |
| C»LIQUID AMS                   | 2.50           | PMV  | 11 |                            |                            |                            |                            |                            |                            |
| D»TOUCHDN TOTAL                | 0.78           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| E»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| F»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| G»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| H»BLACK JACK ZN                | 0.50           | QMA  | 15 |                            |                            |                            |                            |                            |                            |
| I»COC                          | 1.00           | PMV  | 15 |                            |                            |                            |                            |                            |                            |
| 6A»S34-N3 RR1 TRT              | 0.00           | NA   | 0  | 0                          | 55                         | 99                         | 99                         | 20                         | 50                         |
| B BOUNDARY 6.5EC               | 1.42           | LAA  | 9  |                            |                            |                            |                            |                            |                            |
| C»FLEXSTAR GT 3.               | 1.23           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| D»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| E»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| F»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| G»BLACK JACK ZN                | 0.50           | QMA  | 15 |                            |                            |                            |                            |                            |                            |
| H»COC                          | 1.00           | PMV  | 15 |                            |                            |                            |                            |                            |                            |
| 7A»S35-T9 RR2 UNT              | 0.00           | NA   | 0  | 0                          | 0C                         | 0C                         | 0C                         | 0C                         | 0C                         |
| B»TOUCHDN TOTAL                | 0.78           | LAA  | 11 |                            |                            |                            |                            |                            |                            |
| C»LIQUID AMS                   | 2.50           | PMV  | 11 |                            |                            |                            |                            |                            |                            |
| D»TOUCHDN TOTAL                | 0.78           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| E»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| F»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| G»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| H»BLACK JACK ZN                | 0.50           | QMA  | 15 |                            |                            |                            |                            |                            |                            |
| I»COC                          | 1.00           | PMV  | 15 |                            |                            |                            |                            |                            |                            |
| 8A»S35-T9 RR2 TRT              | 0.00           | NA   | 0  | 0                          | 70                         | 99                         | 99                         | 30                         | 50                         |
| B BOUNDARY 6.5EC               | 1.42           | LAA  | 9  |                            |                            |                            |                            |                            |                            |
| C»FLEXSTAR GT 3.               | 1.23           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| D»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| E»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| F»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |

## TITLE: Syngenta Integrated Crop Solutions in Glyph. Resis. Soybean. AS-200

| TRT  | TREATMENT        | DOSAGE | GLXMA | SETFA | CHEAL    | AMATA    | ABUTH    | PHBPU    |
|------|------------------|--------|-------|-------|----------|----------|----------|----------|
| NUM  | COMPONENT        | RATE   | UNIT  | TM    | CON %    | CON %    | CON %    | CON %    |
|      |                  |        |       |       | 06/05/12 | 06/05/12 | 06/05/12 | 06/05/12 |
|      | G»BLACK JACK ZN  | 0.50   | QMA   | 15    |          |          |          |          |
|      | H»COC            | 1.00   | PMV   | 15    |          |          |          |          |
| 9A»  | S34-N3 RR1 UNT   | 0.00   | NA    | 0     | 0        | 0C       | 0C       | 0C       |
|      | B»TOUCHDN TOTAL  | 0.78   | LAA   | 11    |          |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV   | 11    |          |          |          |          |
|      | D»TOUCHDN TOTAL  | 0.78   | LAA   | 13    |          |          |          |          |
|      | E»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
| 10A» | S34-N3 RR1 TRT   | 0.00   | NA    | 0     | 0        | 60       | 99       | 40       |
|      | B BOUNDARY 6.5EC | 1.42   | LAA   | 9     |          |          |          |          |
|      | C»FLEXSTAR GT 3. | 1.23   | LAA   | 13    |          |          |          |          |
|      | D»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
| 11A» | S35-T9 RR2 UNT   | 0.00   | NA    | 0     | 0        | 0C       | 0C       | 0C       |
|      | B»TOUCHDN TOTAL  | 0.78   | LAA   | 11    |          |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV   | 11    |          |          |          |          |
|      | D»TOUCHDN TOTAL  | 0.78   | LAA   | 13    |          |          |          |          |
|      | E»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
| 12A» | S35-T9 RR2 TRT   | 0.00   | NA    | 0     | 0        | 65       | 99       | 40       |
|      | B BOUNDARY 6.5EC | 1.42   | LAA   | 9     |          |          |          |          |
|      | C»FLEXSTAR GT 3. | 1.23   | LAA   | 13    |          |          |          |          |
|      | D»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
| 13A» | S34-N3 RR1 UNT   | 0.00   | NA    | 0     | 0        | 0C       | 0C       | 0C       |
|      | B»TOUCHDN TOTAL  | 0.78   | LAA   | 11    |          |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV   | 11    |          |          |          |          |
|      | D»TOUCHDN TOTAL  | 0.78   | LAA   | 13    |          |          |          |          |
|      | E»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
|      | F»QUILT EXCEL 2. | 0.18   | LAA   | 15    |          |          |          |          |
|      | G»WARRIOR II 2.0 | 0.024  | LAA   | 15    |          |          |          |          |
|      | H»COC            | 1.00   | PMV   | 15    |          |          |          |          |
| 14A» | S34-N3 RR1 TRT   | 0.00   | NA    | 0     | 0        | 55       | 99       | 30       |
|      | B BOUNDARY 6.5EC | 1.42   | LAA   | 9     |          |          |          |          |
|      | C»FLEXSTAR GT 3. | 1.23   | LAA   | 13    |          |          |          |          |
|      | D»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
|      | E»QUILT EXCEL 2. | 0.18   | LAA   | 15    |          |          |          |          |
|      | F»WARRIOR II 2.0 | 0.024  | LAA   | 15    |          |          |          |          |
|      | G»COC            | 1.00   | PMV   | 15    |          |          |          |          |
| 15A» | S35-T9 RR2 UNT   | 0.00   | NA    | 0     | 0        | 0C       | 0C       | 0C       |
|      | B»TOUCHDN TOTAL  | 0.78   | LAA   | 11    |          |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV   | 11    |          |          |          |          |
|      | D»TOUCHDN TOTAL  | 0.78   | LAA   | 13    |          |          |          |          |
|      | E»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
|      | F»QUILT EXCEL 2. | 0.18   | LAA   | 15    |          |          |          |          |
|      | G»WARRIOR II 2.0 | 0.024  | LAA   | 15    |          |          |          |          |
|      | H»COC            | 1.00   | PMV   | 15    |          |          |          |          |
| 16A» | S35-T9 RR2 TRT   | 0.00   | NA    | 0     | 0        | 50       | 99       | 30       |
|      | B BOUNDARY 6.5EC | 1.42   | LAA   | 9     |          |          |          |          |
|      | C»FLEXSTAR GT 3. | 1.23   | LAA   | 13    |          |          |          |          |
|      | D»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
|      | E»QUILT EXCEL 2. | 0.18   | LAA   | 15    |          |          |          |          |
|      | F»WARRIOR II 2.0 | 0.024  | LAA   | 15    |          |          |          |          |
|      | G»COC            | 1.00   | PMV   | 15    |          |          |          |          |

LSD (0.05)  
STANDARD DEVIATION

**TITLE:** Syngenta Integrated Crop Solutions in Glyph. Resis. Soybean. AS-200  
**CREATED:** 04/14/2012 **REVISED:** 10/26/2012 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 20.00 FT WIDE X 90.00 FT LONG  
**PLOT AREA:** 1800.00 SFT

REPS: 01

| TRT TREATMENT<br>NUM COMPONENT | DOSAGE<br>RATE | UNIT | TM | GLXMA<br>CON %<br>06/24/12 | SETFA<br>CON %<br>06/24/12 | CHEAL<br>CON %<br>06/24/12 | AMATA<br>CON %<br>06/24/12 | ABUTH<br>CON %<br>06/24/12 | PHBPU<br>CON %<br>06/24/12 |
|--------------------------------|----------------|------|----|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| 1A»S34-N3 RR1 UNT              | 0.00           | NA   | 0  | 0                          | 93                         | 99                         | 99                         | 99                         | 97                         |
| B»TOUCHDN TOTAL                | 0.78           | LAA  | 11 |                            |                            |                            |                            |                            |                            |
| C»LIQUID AMS                   | 2.50           | PMV  | 11 |                            |                            |                            |                            |                            |                            |
| D»TOUCHDN TOTAL                | 0.78           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| E»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| F»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| G»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| H»COC                          | 1.00           | PMV  | 15 |                            |                            |                            |                            |                            |                            |
| 2A»S34-N3 RR1 TRT              | 0.00           | NA   | 0  | 0                          | 99                         | 99                         | 99                         | 99                         | 90                         |
| B BOUNDARY 6.5EC               | 1.42           | LAA  | 9  |                            |                            |                            |                            |                            |                            |
| C»FLEXSTAR GT 3.               | 1.23           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| D»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| E»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| F»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| G»COC                          | 1.00           | PMV  | 15 |                            |                            |                            |                            |                            |                            |
| 3A»S35-T9 RR2 UNT              | 0.00           | NA   | 0  | 0                          | 95                         | 99                         | 99                         | 99                         | 95                         |
| B»TOUCHDN TOTAL                | 0.78           | LAA  | 11 |                            |                            |                            |                            |                            |                            |
| C»LIQUID AMS                   | 2.50           | PMV  | 11 |                            |                            |                            |                            |                            |                            |
| D»TOUCHDN TOTAL                | 0.78           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| E»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| F»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| G»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| H»COC                          | 1.00           | PMV  | 15 |                            |                            |                            |                            |                            |                            |
| 4A»S35-T9 RR2 TRT              | 0.00           | NA   | 0  | 0                          | 99                         | 99                         | 99                         | 99                         | 90                         |
| B BOUNDARY 6.5EC               | 1.42           | LAA  | 9  |                            |                            |                            |                            |                            |                            |
| C»FLEXSTAR GT 3.               | 1.23           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| D»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| E»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| F»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| G»COC                          | 1.00           | PMV  | 15 |                            |                            |                            |                            |                            |                            |
| 5A»S34-N3 RR1 UNT              | 0.00           | NA   | 0  | 0                          | 95                         | 99                         | 99                         | 99                         | 97                         |
| B»TOUCHDN TOTAL                | 0.78           | LAA  | 11 |                            |                            |                            |                            |                            |                            |
| C»LIQUID AMS                   | 2.50           | PMV  | 11 |                            |                            |                            |                            |                            |                            |
| D»TOUCHDN TOTAL                | 0.78           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| E»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| F»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| G»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| H»BLACK JACK ZN                | 0.50           | QMA  | 15 |                            |                            |                            |                            |                            |                            |
| I»COC                          | 1.00           | PMV  | 15 |                            |                            |                            |                            |                            |                            |
| 6A»S34-N3 RR1 TRT              | 0.00           | NA   | 0  | 0                          | 99                         | 99                         | 99                         | 99                         | 85                         |
| B BOUNDARY 6.5EC               | 1.42           | LAA  | 9  |                            |                            |                            |                            |                            |                            |
| C»FLEXSTAR GT 3.               | 1.23           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| D»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| E»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| F»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| G»BLACK JACK ZN                | 0.50           | QMA  | 15 |                            |                            |                            |                            |                            |                            |
| H»COC                          | 1.00           | PMV  | 15 |                            |                            |                            |                            |                            |                            |
| 7A»S35-T9 RR2 UNT              | 0.00           | NA   | 0  | 0                          | 97                         | 99                         | 99                         | 99                         | 95                         |
| B»TOUCHDN TOTAL                | 0.78           | LAA  | 11 |                            |                            |                            |                            |                            |                            |
| C»LIQUID AMS                   | 2.50           | PMV  | 11 |                            |                            |                            |                            |                            |                            |
| D»TOUCHDN TOTAL                | 0.78           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| E»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| F»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| G»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| H»BLACK JACK ZN                | 0.50           | QMA  | 15 |                            |                            |                            |                            |                            |                            |
| I»COC                          | 1.00           | PMV  | 15 |                            |                            |                            |                            |                            |                            |
| 8A»S35-T9 RR2 TRT              | 0.00           | NA   | 0  | 0                          | 99                         | 99                         | 99                         | 99                         | 85                         |
| B BOUNDARY 6.5EC               | 1.42           | LAA  | 9  |                            |                            |                            |                            |                            |                            |
| C»FLEXSTAR GT 3.               | 1.23           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| D»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| E»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| F»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |

## TITLE: Syngenta Integrated Crop Solutions in Glyph. Resis. Soybean. AS-200

| TRT  | TREATMENT        | DOSAGE | GLXMA | SETFA | CHEAL    | AMATA    | ABUTH    | PHBPU    |
|------|------------------|--------|-------|-------|----------|----------|----------|----------|
| NUM  | COMPONENT        | RATE   | UNIT  | TM    | CON %    | CON %    | CON %    | CON %    |
|      |                  |        |       |       | 06/24/12 | 06/24/12 | 06/24/12 | 06/24/12 |
|      | G»BLACK JACK ZN  | 0.50   | QMA   | 15    |          |          |          |          |
|      | H»COC            | 1.00   | PMV   | 15    |          |          |          |          |
| 9A»  | S34-N3 RR1 UNT   | 0.00   | NA    | 0     | 0        | 90       | 99       | 99       |
|      | B»TOUCHDN TOTAL  | 0.78   | LAA   | 11    |          |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV   | 11    |          |          |          |          |
|      | D»TOUCHDN TOTAL  | 0.78   | LAA   | 13    |          |          |          |          |
|      | E»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
| 10A» | S34-N3 RR1 TRT   | 0.00   | NA    | 0     | 0        | 99       | 99       | 99       |
|      | B BOUNDARY 6.5EC | 1.42   | LAA   | 9     |          |          |          |          |
|      | C»FLEXSTAR GT 3. | 1.23   | LAA   | 13    |          |          |          |          |
|      | D»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
| 11A» | S35-T9 RR2 UNT   | 0.00   | NA    | 0     | 0        | 95       | 99       | 99       |
|      | B»TOUCHDN TOTAL  | 0.78   | LAA   | 11    |          |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV   | 11    |          |          |          |          |
|      | D»TOUCHDN TOTAL  | 0.78   | LAA   | 13    |          |          |          |          |
|      | E»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
| 12A» | S35-T9 RR2 TRT   | 0.00   | NA    | 0     | 0        | 99       | 99       | 99       |
|      | B BOUNDARY 6.5EC | 1.42   | LAA   | 9     |          |          |          |          |
|      | C»FLEXSTAR GT 3. | 1.23   | LAA   | 13    |          |          |          |          |
|      | D»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
| 13A» | S34-N3 RR1 UNT   | 0.00   | NA    | 0     | 0        | 93       | 99       | 99       |
|      | B»TOUCHDN TOTAL  | 0.78   | LAA   | 11    |          |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV   | 11    |          |          |          |          |
|      | D»TOUCHDN TOTAL  | 0.78   | LAA   | 13    |          |          |          |          |
|      | E»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
|      | F»QUILT EXCEL 2. | 0.18   | LAA   | 15    |          |          |          |          |
|      | G»WARRIOR II 2.0 | 0.024  | LAA   | 15    |          |          |          |          |
|      | H»COC            | 1.00   | PMV   | 15    |          |          |          |          |
| 14A» | S34-N3 RR1 TRT   | 0.00   | NA    | 0     | 0        | 99       | 99       | 99       |
|      | B BOUNDARY 6.5EC | 1.42   | LAA   | 9     |          |          |          |          |
|      | C»FLEXSTAR GT 3. | 1.23   | LAA   | 13    |          |          |          |          |
|      | D»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
|      | E»QUILT EXCEL 2. | 0.18   | LAA   | 15    |          |          |          |          |
|      | F»WARRIOR II 2.0 | 0.024  | LAA   | 15    |          |          |          |          |
|      | G»COC            | 1.00   | PMV   | 15    |          |          |          |          |
| 15A» | S35-T9 RR2 UNT   | 0.00   | NA    | 0     | 0        | 95       | 99       | 99       |
|      | B»TOUCHDN TOTAL  | 0.78   | LAA   | 11    |          |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV   | 11    |          |          |          |          |
|      | D»TOUCHDN TOTAL  | 0.78   | LAA   | 13    |          |          |          |          |
|      | E»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
|      | F»QUILT EXCEL 2. | 0.18   | LAA   | 15    |          |          |          |          |
|      | G»WARRIOR II 2.0 | 0.024  | LAA   | 15    |          |          |          |          |
|      | H»COC            | 1.00   | PMV   | 15    |          |          |          |          |
| 16A» | S35-T9 RR2 TRT   | 0.00   | NA    | 0     | 0        | 99       | 99       | 99       |
|      | B BOUNDARY 6.5EC | 1.42   | LAA   | 9     |          |          |          |          |
|      | C»FLEXSTAR GT 3. | 1.23   | LAA   | 13    |          |          |          |          |
|      | D»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
|      | E»QUILT EXCEL 2. | 0.18   | LAA   | 15    |          |          |          |          |
|      | F»WARRIOR II 2.0 | 0.024  | LAA   | 15    |          |          |          |          |
|      | G»COC            | 1.00   | PMV   | 15    |          |          |          |          |

LSD (0.05)  
STANDARD DEVIATION

**TITLE:** Syngenta Integrated Crop Solutions in Glyph. Resis. Soybean. AS-200  
**CREATED:** 04/14/2012 **REVISED:** 10/26/2012 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 20.00 FT WIDE X 90.00 FT LONG  
**PLOT AREA:** 1800.00 SFT

REPS: 01

| TRT TREATMENT<br>NUM COMPONENT | DOSAGE<br>RATE | UNIT | TM | GLXMA<br>CON %<br>07/13/12 | SETFA<br>CON %<br>07/13/12 | CHEAL<br>CON %<br>07/13/12 | AMATA<br>CON %<br>07/13/12 | ABUTH<br>CON %<br>07/13/12 | PHBPU<br>CON %<br>07/13/12 |
|--------------------------------|----------------|------|----|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| 1A»S34-N3 RR1 UNT              | 0.00           | NA   | 0  | 0                          | 88                         | 99                         | 99                         | 99                         | 98                         |
| B»TOUCHDN TOTAL                | 0.78           | LAA  | 11 |                            |                            |                            |                            |                            |                            |
| C»LIQUID AMS                   | 2.50           | PMV  | 11 |                            |                            |                            |                            |                            |                            |
| D»TOUCHDN TOTAL                | 0.78           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| E»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| F»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| G»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| H»COC                          | 1.00           | PMV  | 15 |                            |                            |                            |                            |                            |                            |
| 2A»S34-N3 RR1 TRT              | 0.00           | NA   | 0  | 0                          | 99                         | 99                         | 99                         | 99                         | 97                         |
| B BOUNDARY 6.5EC               | 1.42           | LAA  | 9  |                            |                            |                            |                            |                            |                            |
| C»FLEXSTAR GT 3.               | 1.23           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| D»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| E»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| F»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| G»COC                          | 1.00           | PMV  | 15 |                            |                            |                            |                            |                            |                            |
| 3A»S35-T9 RR2 UNT              | 0.00           | NA   | 0  | 0                          | 90                         | 99                         | 99                         | 99                         | 98                         |
| B»TOUCHDN TOTAL                | 0.78           | LAA  | 11 |                            |                            |                            |                            |                            |                            |
| C»LIQUID AMS                   | 2.50           | PMV  | 11 |                            |                            |                            |                            |                            |                            |
| D»TOUCHDN TOTAL                | 0.78           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| E»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| F»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| G»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| H»COC                          | 1.00           | PMV  | 15 |                            |                            |                            |                            |                            |                            |
| 4A»S35-T9 RR2 TRT              | 0.00           | NA   | 0  | 0                          | 99                         | 99                         | 99                         | 99                         | 97                         |
| B BOUNDARY 6.5EC               | 1.42           | LAA  | 9  |                            |                            |                            |                            |                            |                            |
| C»FLEXSTAR GT 3.               | 1.23           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| D»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| E»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| F»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| G»COC                          | 1.00           | PMV  | 15 |                            |                            |                            |                            |                            |                            |
| 5A»S34-N3 RR1 UNT              | 0.00           | NA   | 0  | 0                          | 93                         | 99                         | 99                         | 99                         | 98                         |
| B»TOUCHDN TOTAL                | 0.78           | LAA  | 11 |                            |                            |                            |                            |                            |                            |
| C»LIQUID AMS                   | 2.50           | PMV  | 11 |                            |                            |                            |                            |                            |                            |
| D»TOUCHDN TOTAL                | 0.78           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| E»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| F»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| G»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| H»BLACK JACK ZN                | 0.50           | QMA  | 15 |                            |                            |                            |                            |                            |                            |
| I»COC                          | 1.00           | PMV  | 15 |                            |                            |                            |                            |                            |                            |
| 6A»S34-N3 RR1 TRT              | 0.00           | NA   | 0  | 0                          | 98                         | 99                         | 99                         | 99                         | 95                         |
| B BOUNDARY 6.5EC               | 1.42           | LAA  | 9  |                            |                            |                            |                            |                            |                            |
| C»FLEXSTAR GT 3.               | 1.23           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| D»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| E»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| F»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| G»BLACK JACK ZN                | 0.50           | QMA  | 15 |                            |                            |                            |                            |                            |                            |
| H»COC                          | 1.00           | PMV  | 15 |                            |                            |                            |                            |                            |                            |
| 7A»S35-T9 RR2 UNT              | 0.00           | NA   | 0  | 0                          | 90                         | 99                         | 99                         | 99                         | 99                         |
| B»TOUCHDN TOTAL                | 0.78           | LAA  | 11 |                            |                            |                            |                            |                            |                            |
| C»LIQUID AMS                   | 2.50           | PMV  | 11 |                            |                            |                            |                            |                            |                            |
| D»TOUCHDN TOTAL                | 0.78           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| E»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| F»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| G»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| H»BLACK JACK ZN                | 0.50           | QMA  | 15 |                            |                            |                            |                            |                            |                            |
| I»COC                          | 1.00           | PMV  | 15 |                            |                            |                            |                            |                            |                            |
| 8A»S35-T9 RR2 TRT              | 0.00           | NA   | 0  | 0                          | 99                         | 99                         | 99                         | 99                         | 95                         |
| B BOUNDARY 6.5EC               | 1.42           | LAA  | 9  |                            |                            |                            |                            |                            |                            |
| C»FLEXSTAR GT 3.               | 1.23           | LAA  | 13 |                            |                            |                            |                            |                            |                            |
| D»LIQUID AMS                   | 2.50           | PMV  | 13 |                            |                            |                            |                            |                            |                            |
| E»QUILT EXCEL 2.               | 0.18           | LAA  | 15 |                            |                            |                            |                            |                            |                            |
| F»ENDIGO ZC 2.76               | 0.075          | LAA  | 15 |                            |                            |                            |                            |                            |                            |

## TITLE: Syngenta Integrated Crop Solutions in Glyph. Resis. Soybean. AS-200

| TRT  | TREATMENT        | DOSAGE | GLXMA | SETFA | CHEAL    | AMATA    | ABUTH    | PHBPU    |
|------|------------------|--------|-------|-------|----------|----------|----------|----------|
| NUM  | COMPONENT        | RATE   | UNIT  | TM    | CON %    | CON %    | CON %    | CON %    |
|      |                  |        |       |       | 07/13/12 | 07/13/12 | 07/13/12 | 07/13/12 |
|      | G»BLACK JACK ZN  | 0.50   | QMA   | 15    |          |          |          |          |
|      | H»COC            | 1.00   | PMV   | 15    |          |          |          |          |
| 9A»  | S34-N3 RR1 UNT   | 0.00   | NA    | 0     | 0        | 88       | 99       | 99       |
|      | B»TOUCHDN TOTAL  | 0.78   | LAA   | 11    |          |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV   | 11    |          |          |          |          |
|      | D»TOUCHDN TOTAL  | 0.78   | LAA   | 13    |          |          |          |          |
|      | E»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
| 10A» | S34-N3 RR1 TRT   | 0.00   | NA    | 0     | 0        | 98       | 99       | 99       |
|      | B BOUNDARY 6.5EC | 1.42   | LAA   | 9     |          |          |          |          |
|      | C»FLEXSTAR GT 3. | 1.23   | LAA   | 13    |          |          |          |          |
|      | D»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
| 11A» | S35-T9 RR2 UNT   | 0.00   | NA    | 0     | 0        | 93       | 99       | 99       |
|      | B»TOUCHDN TOTAL  | 0.78   | LAA   | 11    |          |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV   | 11    |          |          |          |          |
|      | D»TOUCHDN TOTAL  | 0.78   | LAA   | 13    |          |          |          |          |
|      | E»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
| 12A» | S35-T9 RR2 TRT   | 0.00   | NA    | 0     | 0        | 98       | 99       | 99       |
|      | B BOUNDARY 6.5EC | 1.42   | LAA   | 9     |          |          |          |          |
|      | C»FLEXSTAR GT 3. | 1.23   | LAA   | 13    |          |          |          |          |
|      | D»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
| 13A» | S34-N3 RR1 UNT   | 0.00   | NA    | 0     | 0        | 90       | 99       | 99       |
|      | B»TOUCHDN TOTAL  | 0.78   | LAA   | 11    |          |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV   | 11    |          |          |          |          |
|      | D»TOUCHDN TOTAL  | 0.78   | LAA   | 13    |          |          |          |          |
|      | E»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
|      | F»QUILT EXCEL 2. | 0.18   | LAA   | 15    |          |          |          |          |
|      | G»WARRIOR II 2.0 | 0.024  | LAA   | 15    |          |          |          |          |
|      | H»COC            | 1.00   | PMV   | 15    |          |          |          |          |
| 14A» | S34-N3 RR1 TRT   | 0.00   | NA    | 0     | 0        | 99       | 99       | 99       |
|      | B BOUNDARY 6.5EC | 1.42   | LAA   | 9     |          |          |          |          |
|      | C»FLEXSTAR GT 3. | 1.23   | LAA   | 13    |          |          |          |          |
|      | D»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
|      | E»QUILT EXCEL 2. | 0.18   | LAA   | 15    |          |          |          |          |
|      | F»WARRIOR II 2.0 | 0.024  | LAA   | 15    |          |          |          |          |
|      | G»COC            | 1.00   | PMV   | 15    |          |          |          |          |
| 15A» | S35-T9 RR2 UNT   | 0.00   | NA    | 0     | 0        | 95       | 99       | 99       |
|      | B»TOUCHDN TOTAL  | 0.78   | LAA   | 11    |          |          |          |          |
|      | C»LIQUID AMS     | 2.50   | PMV   | 11    |          |          |          |          |
|      | D»TOUCHDN TOTAL  | 0.78   | LAA   | 13    |          |          |          |          |
|      | E»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
|      | F»QUILT EXCEL 2. | 0.18   | LAA   | 15    |          |          |          |          |
|      | G»WARRIOR II 2.0 | 0.024  | LAA   | 15    |          |          |          |          |
|      | H»COC            | 1.00   | PMV   | 15    |          |          |          |          |
| 16A» | S35-T9 RR2 TRT   | 0.00   | NA    | 0     | 0        | 99       | 99       | 99       |
|      | B BOUNDARY 6.5EC | 1.42   | LAA   | 9     |          |          |          |          |
|      | C»FLEXSTAR GT 3. | 1.23   | LAA   | 13    |          |          |          |          |
|      | D»LIQUID AMS     | 2.50   | PMV   | 13    |          |          |          |          |
|      | E»QUILT EXCEL 2. | 0.18   | LAA   | 15    |          |          |          |          |
|      | F»WARRIOR II 2.0 | 0.024  | LAA   | 15    |          |          |          |          |
|      | G»COC            | 1.00   | PMV   | 15    |          |          |          |          |

LSD (0.05)  
STANDARD DEVIATION

**TITLE:** Syngenta Integrated Crop Solutions in Glyph. Resis. Soybean. AS-200  
**CREATED:** 04/14/2012 **REVISED:** 10/26/2012 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 20.00 FT WIDE X 90.00 FT LONG  
**PLOT AREA:** 1800.00 SFT

REPS: 01

| TRT | TREATMENT      | DOSAGE | YIELD    | GLXMA    |
|-----|----------------|--------|----------|----------|
| NUM | COMPONENT      | RATE   | UNIT TM  | BU/A     |
|     |                |        | 10/11/12 | 10/11/12 |
| 1A» | S34-N3 RR1 UNT | 0.00   | NA 0     | 41.4     |
| B»  | TOUCHDN TOTAL  | 0.78   | LAA 11   | 0.0C     |
| C»  | LIQUID AMS     | 2.50   | PMV 11   |          |
| D»  | TOUCHDN TOTAL  | 0.78   | LAA 13   |          |
| E»  | LIQUID AMS     | 2.50   | PMV 13   |          |
| F»  | QUILT EXCEL 2. | 0.18   | LAA 15   |          |
| G»  | ENDIGO ZC 2.76 | 0.075  | LAA 15   |          |
| H»  | COC            | 1.00   | PMV 15   |          |
| 2A» | S34-N3 RR1 TRT | 0.00   | NA 0     | 42.0     |
| B   | BOUNDARY 6.5EC | 1.42   | LAA 9    | 0.0C     |
| C»  | FLEXSTAR GT 3. | 1.23   | LAA 13   |          |
| D»  | LIQUID AMS     | 2.50   | PMV 13   |          |
| E»  | QUILT EXCEL 2. | 0.18   | LAA 15   |          |
| F»  | ENDIGO ZC 2.76 | 0.075  | LAA 15   |          |
| G»  | COC            | 1.00   | PMV 15   |          |
| 3A» | S35-T9 RR2 UNT | 0.00   | NA 0     | 41.5     |
| B»  | TOUCHDN TOTAL  | 0.78   | LAA 11   | 0.0C     |
| C»  | LIQUID AMS     | 2.50   | PMV 11   |          |
| D»  | TOUCHDN TOTAL  | 0.78   | LAA 13   |          |
| E»  | LIQUID AMS     | 2.50   | PMV 13   |          |
| F»  | QUILT EXCEL 2. | 0.18   | LAA 15   |          |
| G»  | ENDIGO ZC 2.76 | 0.075  | LAA 15   |          |
| H»  | COC            | 1.00   | PMV 15   |          |
| 4A» | S35-T9 RR2 TRT | 0.00   | NA 0     | 44.1     |
| B   | BOUNDARY 6.5EC | 1.42   | LAA 9    | 0.0C     |
| C»  | FLEXSTAR GT 3. | 1.23   | LAA 13   |          |
| D»  | LIQUID AMS     | 2.50   | PMV 13   |          |
| E»  | QUILT EXCEL 2. | 0.18   | LAA 15   |          |
| F»  | ENDIGO ZC 2.76 | 0.075  | LAA 15   |          |
| G»  | COC            | 1.00   | PMV 15   |          |
| 5A» | S34-N3 RR1 UNT | 0.00   | NA 0     | 40.3     |
| B»  | TOUCHDN TOTAL  | 0.78   | LAA 11   | 0.0C     |
| C»  | LIQUID AMS     | 2.50   | PMV 11   |          |
| D»  | TOUCHDN TOTAL  | 0.78   | LAA 13   |          |
| E»  | LIQUID AMS     | 2.50   | PMV 13   |          |
| F»  | QUILT EXCEL 2. | 0.18   | LAA 15   |          |
| G»  | ENDIGO ZC 2.76 | 0.075  | LAA 15   |          |
| H»  | BLACK JACK ZN  | 0.50   | QMA 15   |          |
| I»  | COC            | 1.00   | PMV 15   |          |
| 6A» | S34-N3 RR1 TRT | 0.00   | NA 0     | 42.6     |
| B   | BOUNDARY 6.5EC | 1.42   | LAA 9    | 0.0C     |
| C»  | FLEXSTAR GT 3. | 1.23   | LAA 13   |          |
| D»  | LIQUID AMS     | 2.50   | PMV 13   |          |
| E»  | QUILT EXCEL 2. | 0.18   | LAA 15   |          |
| F»  | ENDIGO ZC 2.76 | 0.075  | LAA 15   |          |
| G»  | BLACK JACK ZN  | 0.50   | QMA 15   |          |
| H»  | COC            | 1.00   | PMV 15   |          |
| 7A» | S35-T9 RR2 UNT | 0.00   | NA 0     | 46.4     |
| B»  | TOUCHDN TOTAL  | 0.78   | LAA 11   | 0.0C     |
| C»  | LIQUID AMS     | 2.50   | PMV 11   |          |
| D»  | TOUCHDN TOTAL  | 0.78   | LAA 13   |          |
| E»  | LIQUID AMS     | 2.50   | PMV 13   |          |
| F»  | QUILT EXCEL 2. | 0.18   | LAA 15   |          |
| G»  | ENDIGO ZC 2.76 | 0.075  | LAA 15   |          |
| H»  | BLACK JACK ZN  | 0.50   | QMA 15   |          |
| I»  | COC            | 1.00   | PMV 15   |          |
| 8A» | S35-T9 RR2 TRT | 0.00   | NA 0     | 46.7     |
| B   | BOUNDARY 6.5EC | 1.42   | LAA 9    | 0.0C     |
| C»  | FLEXSTAR GT 3. | 1.23   | LAA 13   |          |
| D»  | LIQUID AMS     | 2.50   | PMV 13   |          |
| E»  | QUILT EXCEL 2. | 0.18   | LAA 15   |          |
| F»  | ENDIGO ZC 2.76 | 0.075  | LAA 15   |          |

## TITLE: Syngenta Integrated Crop Solutions in Glyph. Resis. Soybean. AS-200

| TRT  | TREATMENT        | DOSAGE | YIELD  | GLXMA    |
|------|------------------|--------|--------|----------|
| NUM  | COMPONENT        | RATE   | BU/A   | BU/A     |
|      |                  | UNIT   | TM     | 10/11/12 |
|      | G»BLACK JACK ZN  | 0.50   | QMA 15 |          |
|      | H»COC            | 1.00   | PMV 15 |          |
| 9A»  | S34-N3 RR1 UNT   | 0.00   | NA 0   | 47.1     |
|      | B»TOUCHDN TOTAL  | 0.78   | LAA 11 | 0.0C     |
|      | C»LIQUID AMS     | 2.50   | PMV 11 |          |
|      | D»TOUCHDN TOTAL  | 0.78   | LAA 13 |          |
|      | E»LIQUID AMS     | 2.50   | PMV 13 |          |
| 10A» | S34-N3 RR1 TRT   | 0.00   | NA 0   | 50.0     |
|      | B BOUNDARY 6.5EC | 1.42   | LAA 9  |          |
|      | C»FLEXSTAR GT 3. | 1.23   | LAA 13 |          |
|      | D»LIQUID AMS     | 2.50   | PMV 13 |          |
| 11A» | S35-T9 RR2 UNT   | 0.00   | NA 0   | 52.9     |
|      | B»TOUCHDN TOTAL  | 0.78   | LAA 11 | 0.0C     |
|      | C»LIQUID AMS     | 2.50   | PMV 11 |          |
|      | D»TOUCHDN TOTAL  | 0.78   | LAA 13 |          |
|      | E»LIQUID AMS     | 2.50   | PMV 13 |          |
| 12A» | S35-T9 RR2 TRT   | 0.00   | NA 0   | 51.0     |
|      | B BOUNDARY 6.5EC | 1.42   | LAA 9  |          |
|      | C»FLEXSTAR GT 3. | 1.23   | LAA 13 |          |
|      | D»LIQUID AMS     | 2.50   | PMV 13 |          |
| 13A» | S34-N3 RR1 UNT   | 0.00   | NA 0   | 40.2     |
|      | B»TOUCHDN TOTAL  | 0.78   | LAA 11 | 0.0C     |
|      | C»LIQUID AMS     | 2.50   | PMV 11 |          |
|      | D»TOUCHDN TOTAL  | 0.78   | LAA 13 |          |
|      | E»LIQUID AMS     | 2.50   | PMV 13 |          |
|      | F»QUILT EXCEL 2. | 0.18   | LAA 15 |          |
|      | G»WARRIOR II 2.0 | 0.024  | LAA 15 |          |
|      | H»COC            | 1.00   | PMV 15 |          |
| 14A» | S34-N3 RR1 TRT   | 0.00   | NA 0   | 45.9     |
|      | B BOUNDARY 6.5EC | 1.42   | LAA 9  |          |
|      | C»FLEXSTAR GT 3. | 1.23   | LAA 13 |          |
|      | D»LIQUID AMS     | 2.50   | PMV 13 |          |
|      | E»QUILT EXCEL 2. | 0.18   | LAA 15 |          |
|      | F»WARRIOR II 2.0 | 0.024  | LAA 15 |          |
|      | G»COC            | 1.00   | PMV 15 |          |
| 15A» | S35-T9 RR2 UNT   | 0.00   | NA 0   | 50.0     |
|      | B»TOUCHDN TOTAL  | 0.78   | LAA 11 | 0.0C     |
|      | C»LIQUID AMS     | 2.50   | PMV 11 |          |
|      | D»TOUCHDN TOTAL  | 0.78   | LAA 13 |          |
|      | E»LIQUID AMS     | 2.50   | PMV 13 |          |
|      | F»QUILT EXCEL 2. | 0.18   | LAA 15 |          |
|      | G»WARRIOR II 2.0 | 0.024  | LAA 15 |          |
|      | H»COC            | 1.00   | PMV 15 |          |
| 16A» | S35-T9 RR2 TRT   | 0.00   | NA 0   | 53.8     |
|      | B BOUNDARY 6.5EC | 1.42   | LAA 9  |          |
|      | C»FLEXSTAR GT 3. | 1.23   | LAA 13 |          |
|      | D»LIQUID AMS     | 2.50   | PMV 13 |          |
|      | E»QUILT EXCEL 2. | 0.18   | LAA 15 |          |
|      | F»WARRIOR II 2.0 | 0.024  | LAA 15 |          |
|      | G»COC            | 1.00   | PMV 15 |          |

LSD (0.05)  
STANDARD DEVIATION

» = SUPPLEMENTAL CHEMICAL

---,M,C,D = MISSING DATA

## \* TIMING CODES

00 = ----- / UNTREATED TIMING  
 09 = ----- / PREEMERGENCE 05/10/2012(1)  
 11 = ----- / EPOST 06/05/2012(2)  
 13 = ----- / LPOST 06/12/2012(3)  
 15 = ----- / PO.DIRECTED 07/13/2012(4)

| 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 %    | 06/05/2012 | 01 | P   | GLXMA  | 14    | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |

TITLE: Syngenta Integrated Crop Solutions in Glyph. Resis. Soybean. AS-200

| H#  | CUSTOM#1 | CUSTOM#2 | EV. DATE   | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS    | C.M | CTRT | SS | NOTE |
|-----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|----------|-----|------|----|------|
| 002 | SETFA    | CON %    | 06/05/2012 | 02 | P   | SETFA  | 14    | RAW | ALL | CON | %   | --- | 1.00 PL  | NO  | 0001 | 0  | N    |
| 003 | CHEAL    | CON %    | 06/05/2012 | 03 | P   | CHEAL  | 19    | RAW | ALL | CON | %   | --- | 1.00 PL  | NO  | 0001 | 0  | N    |
| 004 | AMATA    | CON %    | 06/05/2012 | 04 | P   | AMATA  | 19    | RAW | ALL | CON | %   | --- | 1.00 PL  | NO  | 0001 | 0  | N    |
| 005 | ABUTH    | CON %    | 06/05/2012 | 05 | P   | ABUTH  | 14    | RAW | ALL | CON | %   | --- | 1.00 PL  | NO  | 0001 | 0  | N    |
| 006 | PHBPU    | CON %    | 06/05/2012 | 06 | P   | PHBPU  | 16    | RAW | ALL | CON | %   | --- | 1.00 PL  | NO  | 0001 | 0  | N    |
| 007 | GLXMA    | CON %    | 06/24/2012 | 01 | P   | GLXMA  | 66    | RAW | ALL | CON | %   | --- | 1.00 PL  | NO  | 0001 | 0  | N    |
| 008 | SETFA    | CON %    | 06/24/2012 | 02 | P   | SETFA  |       | RAW | ALL | CON | %   | --- | 1.00 PL  | NO  | 0001 | 0  | N    |
| 009 | CHEAL    | CON %    | 06/24/2012 | 03 | P   | CHEAL  |       | RAW | ALL | CON | %   | --- | 1.00 PL  | NO  | 0001 | 0  | N    |
| 010 | AMATA    | CON %    | 06/24/2012 | 04 | P   | AMATA  |       | RAW | ALL | CON | %   | --- | 1.00 PL  | NO  | 0001 | 0  | N    |
| 011 | ABUTH    | CON %    | 06/24/2012 | 05 | P   | ABUTH  |       | RAW | ALL | CON | %   | --- | 1.00 PL  | NO  | 0001 | 0  | N    |
| 012 | PHBPU    | CON %    | 06/24/2012 | 06 | P   | PHBPU  |       | RAW | ALL | CON | %   | --- | 1.00 PL  | NO  | 0001 | 0  | N    |
| 013 | GLXMA    | CON %    | 07/13/2012 | 01 | P   | GLXMA  |       | RAW | ALL | CON | %   | --- | 1.00 PL  | NO  | 0001 | 0  | N    |
| 014 | SETFA    | CON %    | 07/13/2012 | 02 | P   | SETFA  |       | RAW | ALL | CON | %   | --- | 1.00 PL  | NO  | 0001 | 0  | N    |
| 015 | CHEAL    | CON %    | 07/13/2012 | 03 | P   | CHEAL  |       | RAW | ALL | CON | %   | --- | 1.00 PL  | NO  | 0001 | 0  | N    |
| 016 | AMATA    | CON %    | 07/13/2012 | 04 | P   | AMATA  |       | RAW | ALL | CON | %   | --- | 1.00 PL  | NO  | 0001 | 0  | N    |
| 017 | ABUTH    | CON %    | 07/13/2012 | 05 | P   | ABUTH  |       | RAW | ALL | CON | %   | --- | 1.00 PL  | NO  | 0001 | 0  | N    |
| 018 | PHBPU    | CON %    | 07/13/2012 | 06 | P   | PHBPU  |       | RAW | ALL | CON | %   | --- | 1.00 PL  | NO  | 0001 | 0  | N    |
| 019 | YIELD    | BU/A     | 10/11/2012 | 01 | P   | GLXMA  |       | RAW | --- | YLD | --- | --- | 1.00 --- | NO  | 0001 | 0  | Y    |
| 020 | GLXMA    | BU/A     | 10/11/2012 | 01 | P   | GLXMA  |       | RAW | ALL | YLD | %   | --- | 1.00 PL  | NO  | 0001 | 0  | N    |

\* SEE INDIVIDUAL EVALUATION COMMENTS UNDER SPECIFIC TRIAL NOTES

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

01 = HERB TOLERANT VARIETY

\* STAGE CODE

14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES

14 = 4 LEAVES UNFOLDED

14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

19 = &gt;8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

66 = 60% OF FLOWERS OPEN (DETERMINATE)