

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.2
 %OM: 6.0
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 10 X 33 FEET

DESIGN: RCB
 REPS: 3

| APPL. NUMBER | 01 | 02 | 03 | 04 | UNIT |
|------------------|-----------|-----------|-----------|-----------|------|
| TIMINGS | 09 | 11 | 12 | 13 | |
| TYPE | LIQMIX | LIQMIX | LIQMIX | LIQMIX | |
| APPLICATION DATE | 04/30/04 | 05/25/04 | 06/08/04 | 06/15/04 | AME |
| AIR TEMPERATURE | 60 | 69 | 78 | 76 | F |
| % REL.HUMIDITY | 57 | 58 | 72 | 52 | |
| WIND DIRECTION | SOUTHEAST | WEST | SOUTHWEST | NA/NONE/U | |
| WIND SPEED | 6.0 | 5.5 | 7.8 | 0.0 | M/H |
| CLOUD COVER | CLOUDY | PARTCLDY | CLEAR | OVERCAST | |
| DEW | NA/UNKNOW | NO | NO | YES | |
| SOIL MOISTURE | MOIST/MOI | MOIST/MOI | DRY/MOIST | WET/WET | |
| SOIL CONDITION | FRIABLE | FRIABLE | FRIABLE | FRIABLE | |
| METHOD | SPRAY | SPRAY | SPRAY | SPRAY | |
| EQUIPMENT | SPRBAC | SPRBAC | SPRBAC | SPRBAC | |
| PROPELLANT | COMCO2 | COMCO2 | COMCO2 | COMCO2 | |
| PLACEMENT | BRFOSO | BRFOSO | BRFOSO | BRFOSO | |
| NOZZLE | SPECIAL | SPECIAL | SPECIAL | SPECIAL | |
| NOZZLE NUMBER | 6 | 6 | 6 | 6 | |
| NOZZLE SPACING | 20.000 | 20.000 | 20.000 | 20.000 | IN |
| SWATH WIDTH | 10.0 | 10.0 | 10.0 | 10.0 | FT |
| SPRAY VOLUME | 20.00 | 20.00 | 20.00 | 20.00 | |
| 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 *** | | | | | |
| CORN, DENT | HGH/01 | HGH/33 | HGH/35 | HGH/37 | |
| ASGROW 718 RR/YG | / | 4.00/6.00 | 12.0/14.0 | 24.0/26.0 | IN |
| 04/29/2004 | | | | | |
| *** PEST *** | | | | | |
| VELVETLEAF | MED/00 | MED/12 | MED/16 | MED/18 | |
| | / | 1.00/2.00 | 1.00/3.00 | 4.00/10.0 | IN |
| RAGWEED, GIANT | MED/00 | MED/15 | MED/18 | MED/19 | |
| | / | 2.00/4.00 | 3.00/18.0 | 10.0/24.0 | IN |
| LAMBSQUARTERS, C | MED/01 | MED/12 | MED/18 | ---/19 | |
| | / | 0.50/1.00 | 1.00/4.00 | 4.00/10.0 | IN |
| MORNINGGLORY, IV | MED/00 | | LOW/11 | LOW/13 | |
| | / | | 1.00/2.00 | 2.00/3.00 | IN |
| FOXTAIL, GIANT | MED/00 | MED/12 | MED/14 | MED/16 | |
| | / | 1.50/2.00 | 3.00/5.00 | 6.00/10.0 | IN |

* TIMING CODES

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

* STAGE CODE

00 = DRY SEED; DORMANCY
 01 = BEGINNING OF IMBIBITION
 11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 14 = 4 LEAVES UNFOLDED
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 33 = 3 NODES DETECTABLE

* STAGE CODE

35 = 5 NODES DETECTABLE
37 = 7 NODES DETECTABLE

TITLE: Weed Control Systems in Glyphosate Resistant Corn SW-1600
CREATED: 04/20/2004 **REVISED:** 12/12/2004 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: DeKalb **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 33.00 FT LONG **REPS:** 03

| TRT | TREATMENT | DOSAGE | | ZEAMD | CHEAL | AMBTR | ABUTH | SETFA | ZEAMD |
|-----|------------------|--------|------|-------|----------|----------|----------|----------|----------|
| NUM | COMPONENT | RATE | UNIT | TM | CON % | CON % | CON % | CON % | CON % |
| | | | | | 05/26/04 | 05/26/04 | 05/26/04 | 05/26/04 | 06/08/04 |
| 1A | »LEXAR 3.7L | 3.23 | LAA | 9 | 0 | 99 | 85 | 99 | 99 |
| 2A | »LEXAR 3.7L | 3.23 | LAA | 9 | 0 | 99 | 95 | 99 | 99 |
| | B »PRINCEP 4L | 1.00 | LAA | 9 | | | | | |
| 3A | »KEYSTONE 5.25L | 3.50 | LAA | 9 | 0 | 99 | 95 | 93 | 99 |
| | B»HORNET 68.5WG | 0.128 | LAA | 9 | | | | | |
| 4A | »BICEP II MAGNU | 3.56 | LAA | 9 | 0 | 99 | 85 | 95 | 99 |
| | B»CALLISTO 4SC | 0.094 | LAA | 12 | | | | | |
| | C »ATRAZINE DF | 0.50 | LAA | 12 | | | | | |
| | D»COC | 1.00 | PMV | 12 | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | |
| 5A | »KEYSTONE 5.25L | 3.50 | LAA | 9 | 0 | 99 | 87 | 98 | 99 |
| | B»HORNET 68.5WG | 0.128 | LAA | 11 | | | | | 0 |
| | C»COC | 1.00 | PMV | 11 | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 11 | | | | | |
| 6A | »KEYSTONE 5.25L | 3.50 | LAA | 9 | 0 | 99 | 92 | 98 | 99 |
| | B»HORNET 68.5WG | 0.128 | LAA | 11 | | | | | 2 |
| | C »ATRAZINE DF | 0.25 | LAA | 11 | | | | | |
| | D»CALLISTO 4SC | 0.023 | LAA | 11 | | | | | |
| | E»COC | 1.00 | PMV | 11 | | | | | |
| | F»LIQUID AMS | 2.50 | PMV | 11 | | | | | |
| 7A | »KEYSTONE 5.25L | 1.97 | LAA | 9 | 0 | 99 | 45 | 87 | 99 |
| | B»GF-1279 4LB AE | 0.75 | LAA | 12 | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 12 | | | | | |
| 8A | »GUARDS MAX 5L | 2.50 | LAA | 9 | 0 | 97 | 86 | 92 | 99 |
| | B MARKSMAN SC | 1.20 | LAA | 11 | | | | | 5 |
| | C»LIQUID AMS | 2.50 | PMV | 11 | | | | | |
| 9A | »GUARDS MAX 5L | 2.50 | LAA | 9 | 0 | 98 | 84 | 95 | 99 |
| | B»DISTINCT 70WG | 0.175 | LAA | 11 | | | | | 6 |
| | C»ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | |
| | D»LIQUID AMS | 3.67 | PMV | 11 | | | | | |
| 10A | »OUTLOOK 6EC | 0.56 | LAA | 9 | 0 | 95 | 53 | 68 | 99 |
| | B»WEATHERMAX 4.5 | 0.56 | LAA | 11 | | | | | 2 |
| | C»DISTINCT 70WG | 0.131 | LAA | 11 | | | | | |
| | D »ATRAZINE DF | 0.75 | LAA | 11 | | | | | |
| | E»ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | |
| | F»LIQUID AMS | 3.67 | PMV | 11 | | | | | |
| 11A | »WEATHERMAX 4.5 | 0.56 | LAA | 11 | | | | | 0 |
| | B»DISTINCT 70WG | 0.131 | LAA | 11 | | | | | |
| | C »ATRAZINE DF | 0.75 | LAA | 11 | | | | | |
| | D»ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | |
| | E»LIQUID AMS | 3.67 | PMV | 11 | | | | | |
| 12A | »WEATHERMAX 4.5 | 0.56 | LAA | 11 | | | | | 8 |
| | B CLARITY | 0.25 | LAA | 11 | | | | | |
| | C »ATRAZINE DF | 0.75 | LAA | 11 | | | | | |
| | D»LIQUID AMS | 3.67 | PMV | 11 | | | | | |
| 13A | »ATRAZINE DF | 1.50 | LAA | 9 | 0 | 99 | 91 | 92 | 99 |
| | B»WEATHERMAX 4.5 | 0.56 | LAA | 11 | | | | | 3 |
| | C»PROWL H20 3.8C | 1.19 | LAA | 11 | | | | | |
| | D »ATRAZINE DF | 0.75 | LAA | 11 | | | | | |
| | E»LIQUID AMS | 3.67 | PMV | 11 | | | | | |
| 14A | »WEATHERMAX 4.5 | 0.56 | LAA | 11 | | | | | 4 |
| | B»PROWL H20 3.8C | 1.19 | LAA | 11 | | | | | |
| | C »ATRAZINE DF | 0.75 | LAA | 11 | | | | | |
| | D»LIQUID AMS | 3.67 | PMV | 11 | | | | | |

TITLE: Weed Control Systems in Glyphosate Resistant Corn SW-1600

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | TM | ZEAMD | CHEAL | AMBTR | ABUTH | SETFA | ZEAMD |
|------------|------------------------|--------|------|----|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | RATE | UNIT | | CON % 05/26/04 | CON % 05/26/04 | CON % 05/26/04 | CON % 05/26/04 | CON % 05/26/04 | CON % 06/08/04 |
| 15A | CINCH ATZ 5.5L | 1.03 | LAA | 9 | 0 | 95 | 84 | 64 | 99 | 3 |
| | B>STEADFAST ATZ | 0.78 | LAA | 0 | | | | | | |
| | C>STEADFAST 75DF | 0.035 | LAA | 11 | | | | | | |
| | D ATRAZINE DF | 0.75 | LAA | 11 | | | | | | |
| | E>CALLISTO 4SC | 0.047 | LAA | 11 | | | | | | |
| | F>COC | 1.00 | PMV | 11 | | | | | | |
| | G>LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 16A | BALANCE PRO 4S | 0.07 | LAA | 9 | 0 | 99 | 89 | 99 | 99 | |
| | B ATRAZINE DF | 1.00 | LAA | 9 | | | | | | |
| | C>EQUIP 62WG | 0.058 | LAA | 12 | | | | | | |
| | D>MSO | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 17A | VOLLEY ATZ 5.2 | 2.89 | LAA | 9 | 0 | 96 | 83 | 93 | 99 | |
| | B>PRIORITY 62.5W | 0.039 | LAA | 12 | | | | | | |
| | C ATRAZINE DF | 0.50 | LAA | 12 | | | | | | |
| | D>ACTIVATOR 90 | 0.25 | PMV | 12 | | | | | | |
| | E>LIQUID AMS | 3.67 | PMV | 12 | | | | | | |
| 18A | DUAL II MAGNUM | 1.59 | LAA | 9 | 0 | 98 | 31 | 87 | 99 | |
| | B>CALLISTO 4SC | 0.094 | LAA | 12 | | | | | | |
| | C ATRAZINE DF | 1.00 | LAA | 12 | | | | | | |
| | D>COC | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 19A | DUAL II MAGNUM | 1.59 | LAA | 9 | 0 | 95 | 42 | 85 | 99 | |
| | B>CALLISTO 4SC | 0.094 | LAA | 12 | | | | | | |
| | C BUCTRIL 2EC | 0.094 | LAA | 12 | | | | | | |
| | D>COC | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 20A | CHECK | 0.00 | NA | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21A | DUAL II MAGNUM | 1.59 | LAA | 9 | 0 | 94 | 48 | 74 | 99 | |
| | B>SPIRIT 57WG | 0.036 | LAA | 12 | | | | | | |
| | C ATRAZINE DF | 1.00 | LAA | 12 | | | | | | |
| | D>COC | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 22A | DUAL II MAGNUM | 1.59 | LAA | 9 | 0 | 95 | 57 | 90 | 99 | |
| | B>NORTHSTAR 47.4 | 0.148 | LAA | 12 | | | | | | |
| | C>COC | 1.00 | PMV | 12 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 23A | BICEP II MAGNU | 3.56 | LAA | 9 | 0 | 99 | 89 | 98 | 99 | |
| | B>SPIRIT 57WG | 0.036 | LAA | 12 | | | | | | |
| | C>COC | 1.00 | PMV | 12 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 24A | HARNESS XTRA | 1.89 | LAA | 9 | 0 | 98 | 80 | 94 | 99 | |
| | B>WEATHERMAX 4.5 | 0.75 | LAA | 12 | | | | | | |
| | C>LIQUID AMS | 3.67 | PMV | 12 | | | | | | |
| 25A | DEGREE XTRA 4S | 1.52 | LAA | 9 | 0 | 96 | 76 | 81 | 99 | |
| | B>WEATHERMAX 4.5 | 0.75 | LAA | 12 | | | | | | |
| | C>LIQUID AMS | 3.67 | PMV | 12 | | | | | | |
| 26A | DEGREE XTRA 4S | 1.52 | LAA | 11 | | | | | | 8 |
| | B>WEATHERMAX 4.5 | 0.75 | LAA | 11 | | | | | | |
| | C>LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 27A | STALWART EXTRA | 1.83 | LAA | 9 | 0 | 99 | 90 | 92 | 99 | |
| | B>WEATHERMAX 4.5 | 0.75 | LAA | 12 | | | | | | |
| | C>LIQUID AMS | 3.67 | PMV | 12 | | | | | | |
| 28A | WEATHERMAX 4.5 | 0.75 | LAA | 11 | | | | | | 2 |
| | B>LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| | C>WEATHERMAX 4.5 | 0.56 | LAA | 13 | | | | | | |
| | D>LIQUID AMS | 3.67 | PMV | 13 | | | | | | |
| | LSD (0.05) | | | | 0.00 | 5.50 | 32.38 | 13.48 | 0.00 | 6.15 |
| | STANDARD DEVIATION | | | | 0.00 | 2.75 | 16.19 | 6.74 | 0.00 | 3.00 |

TITLE: Weed Control Systems in Glyphosate Resistant Corn SW-1600
CREATED: 04/20/2004 **REVISED:** 12/12/2004 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: DeKalb **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 33.00 FT **LONG** **REPS:** 03

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | TM | CHEAL | AMBTR | ABUTH | SETFA | ZEAMD | CHEAL |
|------------|------------------------|--------|------|----|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | RATE | UNIT | | CON % 06/08/04 | CON % 06/08/04 | CON % 06/08/04 | CON % 06/08/04 | CON % 06/15/04 | CON % 06/15/04 |
| 1A | »LEXAR 3.7L | 3.23 | LAA | 9 | | | | | | 1 |
| 2A | »LEXAR 3.7L | 3.23 | LAA | 9 | | | | | | 3 |
| | B PRINCEP 4L | 1.00 | LAA | 9 | | | | | | |
| 3A | »KEYSTONE 5.25L | 3.50 | LAA | 9 | | | | | | 2 |
| | B»HORNET 68.5WG | 0.128 | LAA | 9 | | | | | | |
| 4A | »BICEP II MAGNU | 3.56 | LAA | 9 | | | | | | 3 |
| | B»CALLISTO 4SC | 0.094 | LAA | 12 | | | | | | 99 |
| | C ATRAZINE DF | 0.50 | LAA | 12 | | | | | | |
| | D»COC | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 5A | »KEYSTONE 5.25L | 3.50 | LAA | 9 | 99 | 95 | 98 | 99 | | 3 |
| | B»HORNET 68.5WG | 0.128 | LAA | 11 | | | | | | |
| | C»COC | 1.00 | PMV | 11 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 6A | »KEYSTONE 5.25L | 3.50 | LAA | 9 | 99 | 92 | 98 | 99 | | 4 |
| | B»HORNET 68.5WG | 0.128 | LAA | 11 | | | | | | |
| | C ATRAZINE DF | 0.25 | LAA | 11 | | | | | | |
| | D»CALLISTO 4SC | 0.023 | LAA | 11 | | | | | | |
| | E»COC | 1.00 | PMV | 11 | | | | | | |
| | F»LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 7A | »KEYSTONE 5.25L | 1.97 | LAA | 9 | | | | | | 0 |
| | B»GF-1279 4LB AE | 0.75 | LAA | 12 | | | | | | 99 |
| | C»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 8A | »GUARDS MAX 5L | 2.50 | LAA | 9 | 99 | 96 | 95 | 99 | | 17 |
| | B MARKSMAN SC | 1.20 | LAA | 11 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 9A | »GUARDS MAX 5L | 2.50 | LAA | 9 | 99 | 91 | 98 | 99 | | 13 |
| | B»DISTINCT 70WG | 0.175 | LAA | 11 | | | | | | |
| | C»ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | | |
| | D»LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 10A | »OUTLOOK 6EC | 0.56 | LAA | 9 | 99 | 95 | 98 | 99 | | 8 |
| | B»WEATHERMAX 4.5 | 0.56 | LAA | 11 | | | | | | |
| | C»DISTINCT 70WG | 0.131 | LAA | 11 | | | | | | |
| | D ATRAZINE DF | 0.75 | LAA | 11 | | | | | | |
| | E»ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | | |
| | F»LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 11A | »WEATHERMAX 4.5 | 0.56 | LAA | 11 | 99 | 99 | 98 | 99 | | 3 |
| | B»DISTINCT 70WG | 0.131 | LAA | 11 | | | | | | |
| | C ATRAZINE DF | 0.75 | LAA | 11 | | | | | | |
| | D»ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | | |
| | E»LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 12A | »WEATHERMAX 4.5 | 0.56 | LAA | 11 | 99 | 97 | 98 | 99 | | 17 |
| | B CLARITY | 0.25 | LAA | 11 | | | | | | |
| | C ATRAZINE DF | 0.75 | LAA | 11 | | | | | | |
| | D»LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 13A | ATRAZINE DF | 1.50 | LAA | 9 | 99 | 94 | 97 | 99 | | 5 |
| | B»WEATHERMAX 4.5 | 0.56 | LAA | 11 | | | | | | |
| | C»PROWL H20 3.8C | 1.19 | LAA | 11 | | | | | | |
| | D ATRAZINE DF | 0.75 | LAA | 11 | | | | | | |
| | E»LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 14A | »WEATHERMAX 4.5 | 0.56 | LAA | 11 | 99 | 93 | 99 | 99 | | 3 |
| | B»PROWL H20 3.8C | 1.19 | LAA | 11 | | | | | | |
| | C ATRAZINE DF | 0.75 | LAA | 11 | | | | | | |
| | D»LIQUID AMS | 3.67 | PMV | 11 | | | | | | |

TITLE: Weed Control Systems in Glyphosate Resistant Corn SW-1600

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | | CHEAL | AMBTR | ABUTH | SETFA | ZEAMD | CHEAL |
|------------|------------------------|--------------------|------|----|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | RATE | UNIT | TM | CON % 06/08/04 | CON % 06/08/04 | CON % 06/08/04 | CON % 06/08/04 | CON % 06/15/04 | CON % 06/15/04 |
| 15A | CINCH ATZ 5.5L | 1.03 | LAA | 9 | 99 | 97 | 98 | 99 | 1 | |
| | B>STEADFAST ATZ | 0.78 | LAA | 0 | | | | | | |
| | C>STEADFAST 75DF | 0.035 | LAA | 11 | | | | | | |
| | D ATRAZINE DF | 0.75 | LAA | 11 | | | | | | |
| | E>CALLISTO 4SC | 0.047 | LAA | 11 | | | | | | |
| | F>COC | 1.00 | PMV | 11 | | | | | | |
| | G>LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 16A | BALANCE PRO 4S | 0.07 | LAA | 9 | | | | | 29 | 99 |
| | B ATRAZINE DF | 1.00 | LAA | 9 | | | | | | |
| | C>EQUIP 62WG | 0.058 | LAA | 12 | | | | | | |
| | D>MSO | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 17A | VOLLEY ATZ 5.2 | 2.89 | LAA | 9 | | | | | 13 | 99 |
| | B>PRIORITY 62.5W | 0.039 | LAA | 12 | | | | | | |
| | C ATRAZINE DF | 0.50 | LAA | 12 | | | | | | |
| | D>ACTIVATOR 90 | 0.25 | PMV | 12 | | | | | | |
| | E>LIQUID AMS | 3.67 | PMV | 12 | | | | | | |
| 18A | DUAL II MAGNUM | 1.59 | LAA | 9 | | | | | 7 | 99 |
| | B>CALLISTO 4SC | 0.094 | LAA | 12 | | | | | | |
| | C ATRAZINE DF | 1.00 | LAA | 12 | | | | | | |
| | D>COC | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 19A | DUAL II MAGNUM | 1.59 | LAA | 9 | | | | | 8 | 97 |
| | B>CALLISTO 4SC | 0.094 | LAA | 12 | | | | | | |
| | C BUCTRIL 2EC | 0.094 | LAA | 12 | | | | | | |
| | D>COC | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 20A | CHECK | 0.00 | NA | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21A | DUAL II MAGNUM | 1.59 | LAA | 9 | | | | | 22 | 87 |
| | B>SPIRIT 57WG | 0.036 | LAA | 12 | | | | | | |
| | C ATRAZINE DF | 1.00 | LAA | 12 | | | | | | |
| | D>COC | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 22A | DUAL II MAGNUM | 1.59 | LAA | 9 | | | | | 22 | 90 |
| | B>NORTHSTAR 47.4 | 0.148 | LAA | 12 | | | | | | |
| | C>COC | 1.00 | PMV | 12 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 23A | BICEP II MAGNU | 3.56 | LAA | 9 | | | | | 18 | 99 |
| | B>SPIRIT 57WG | 0.036 | LAA | 12 | | | | | | |
| | C>COC | 1.00 | PMV | 12 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 24A | HARNESS XTRA | 1.89 | LAA | 9 | | | | | 4 | 99 |
| | B>WEATHERMAX 4.5 | 0.75 | LAA | 12 | | | | | | |
| | C>LIQUID AMS | 3.67 | PMV | 12 | | | | | | |
| 25A | DEGREE XTRA 4S | 1.52 | LAA | 9 | | | | | 0 | 99 |
| | B>WEATHERMAX 4.5 | 0.75 | LAA | 12 | | | | | | |
| | C>LIQUID AMS | 3.67 | PMV | 12 | | | | | | |
| 26A | DEGREE XTRA 4S | 1.52 | LAA | 11 | 99 | 95 | 98 | 99 | 5 | |
| | B>WEATHERMAX 4.5 | 0.75 | LAA | 11 | | | | | | |
| | C>LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 27A | STALWART EXTRA | 1.83 | LAA | 9 | | | | | 3 | 99 |
| | B>WEATHERMAX 4.5 | 0.75 | LAA | 12 | | | | | | |
| | C>LIQUID AMS | 3.67 | PMV | 12 | | | | | | |
| 28A | WEATHERMAX 4.5 | 0.75 | LAA | 11 | 99 | 81 | 99 | 99 | 3 | |
| | B>LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| | C>WEATHERMAX 4.5 | 0.56 | LAA | 13 | | | | | | |
| | D>LIQUID AMS | 3.67 | PMV | 13 | | | | | | |
| | | LSD (0.05) | | | 0.00 | 11.85 | 3.49 | 0.27 | 9.56 | 9.61 |
| | | STANDARD DEVIATION | | | 0.00 | 5.74 | 1.69 | 0.131 | 4.78 | 4.66 |

TITLE: Weed Control Systems in Glyphosate Resistant Corn SW-1600
CREATED: 04/20/2004 **REVISED:** 12/12/2004 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: DeKalb **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 33.00 FT LONG **REPS:** 03

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | TM | AMBTR | ABUTH | SETFA | IPOHE | ZEAMD | CHEAL |
|------------|------------------------|--------|------|----|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | RATE | UNIT | | CON % 06/15/04 | CON % 06/15/04 | CON % 06/15/04 | CON % 06/15/04 | CON % 06/28/04 | CON % 06/28/04 |
| 1A | »LEXAR 3.7L | 3.23 | LAA | 9 | | | | | 0 | 99 |
| 2A | »LEXAR 3.7L | 3.23 | LAA | 9 | | | | | 0 | 99 |
| | B PRINCEP 4L | 1.00 | LAA | 9 | | | | | | |
| 3A | »KEYSTONE 5.25L | 3.50 | LAA | 9 | | | | | 2 | 99 |
| | B»HORNET 68.5WG | 0.128 | LAA | 9 | | | | | | |
| 4A | »BICEP II MAGNU | 3.56 | LAA | 9 | 71 | 92 | 99 | 99 | 0 | 99 |
| | B»CALLISTO 4SC | 0.094 | LAA | 12 | | | | | | |
| | C ATRAZINE DF | 0.50 | LAA | 12 | | | | | | |
| | D»COC | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 5A | »KEYSTONE 5.25L | 3.50 | LAA | 9 | | | | | 0 | 99 |
| | B»HORNET 68.5WG | 0.128 | LAA | 11 | | | | | | |
| | C»COC | 1.00 | PMV | 11 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 6A | »KEYSTONE 5.25L | 3.50 | LAA | 9 | | | | | 0 | 99 |
| | B»HORNET 68.5WG | 0.128 | LAA | 11 | | | | | | |
| | C ATRAZINE DF | 0.25 | LAA | 11 | | | | | | |
| | D»CALLISTO 4SC | 0.023 | LAA | 11 | | | | | | |
| | E»COC | 1.00 | PMV | 11 | | | | | | |
| | F»LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 7A | »KEYSTONE 5.25L | 1.97 | LAA | 9 | 93 | 92 | 99 | 97 | 0 | 99 |
| | B»GF-1279 4LB AE | 0.75 | LAA | 12 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 8A | »GUARDS MAX 5L | 2.50 | LAA | 9 | | | | | 5 | 99 |
| | B MARKSMAN SC | 1.20 | LAA | 11 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 9A | »GUARDS MAX 5L | 2.50 | LAA | 9 | | | | | 4 | 99 |
| | B»DISTINCT 70WG | 0.175 | LAA | 11 | | | | | | |
| | C»ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | | |
| | D»LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 10A | »OUTLOOK 6EC | 0.56 | LAA | 9 | | | | | 0 | 99 |
| | B»WEATHERMAX 4.5 | 0.56 | LAA | 11 | | | | | | |
| | C»DISTINCT 70WG | 0.131 | LAA | 11 | | | | | | |
| | D ATRAZINE DF | 0.75 | LAA | 11 | | | | | | |
| | E»ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | | |
| | F»LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 11A | »WEATHERMAX 4.5 | 0.56 | LAA | 11 | | | | | 0 | 99 |
| | B»DISTINCT 70WG | 0.131 | LAA | 11 | | | | | | |
| | C ATRAZINE DF | 0.75 | LAA | 11 | | | | | | |
| | D»ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | | |
| | E»LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 12A | »WEATHERMAX 4.5 | 0.56 | LAA | 11 | | | | | 7 | 99 |
| | B CLARITY | 0.25 | LAA | 11 | | | | | | |
| | C ATRAZINE DF | 0.75 | LAA | 11 | | | | | | |
| | D»LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 13A | ATRAZINE DF | 1.50 | LAA | 9 | | | | | 1 | 99 |
| | B»WEATHERMAX 4.5 | 0.56 | LAA | 11 | | | | | | |
| | C»PROWL H20 3.8C | 1.19 | LAA | 11 | | | | | | |
| | D ATRAZINE DF | 0.75 | LAA | 11 | | | | | | |
| | E»LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 14A | »WEATHERMAX 4.5 | 0.56 | LAA | 11 | | | | | 0 | 99 |
| | B»PROWL H20 3.8C | 1.19 | LAA | 11 | | | | | | |
| | C ATRAZINE DF | 0.75 | LAA | 11 | | | | | | |
| | D»LIQUID AMS | 3.67 | PMV | 11 | | | | | | |

TITLE: Weed Control Systems in Glyphosate Resistant Corn SW-1600

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | | AMBTR CON % 06/15/04 | ABUTH CON % 06/15/04 | SETFA CON % 06/15/04 | IPOHE CON % 06/15/04 | ZEAMD CON % 06/28/04 | CHEAL CON % 06/28/04 |
|------------|------------------------|--------------------|------|----|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | | RATE | UNIT | TM | | | | | | |
| 15A | CINCH ATZ 5.5L | 1.03 | LAA | 9 | | | | | 2 | 99 |
| | B>STEADFAST ATZ | 0.78 | LAA | 0 | | | | | | |
| | C>STEADFAST 75DF | 0.035 | LAA | 11 | | | | | | |
| | D ATRAZINE DF | 0.75 | LAA | 11 | | | | | | |
| | E>CALLISTO 4SC | 0.047 | LAA | 11 | | | | | | |
| | F>COC | 1.00 | PMV | 11 | | | | | | |
| | G>LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 16A | BALANCE PRO 4S | 0.07 | LAA | 9 | 84 | 97 | 99 | 99 | 6 | 99 |
| | B ATRAZINE DF | 1.00 | LAA | 9 | | | | | | |
| | C>EQUIP 62WG | 0.058 | LAA | 12 | | | | | | |
| | D>MSO | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 17A | VOLLEY ATZ 5.2 | 2.89 | LAA | 9 | 82 | 99 | 99 | 99 | 2 | 99 |
| | B>PRIORITY 62.5W | 0.039 | LAA | 12 | | | | | | |
| | C ATRAZINE DF | 0.50 | LAA | 12 | | | | | | |
| | D>ACTIVATOR 90 | 0.25 | PMV | 12 | | | | | | |
| | E>LIQUID AMS | 3.67 | PMV | 12 | | | | | | |
| 18A | DUAL II MAGNUM | 1.59 | LAA | 9 | 92 | 99 | 99 | 99 | 5 | 99 |
| | B>CALLISTO 4SC | 0.094 | LAA | 12 | | | | | | |
| | C ATRAZINE DF | 1.00 | LAA | 12 | | | | | | |
| | D>COC | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 19A | DUAL II MAGNUM | 1.59 | LAA | 9 | 91 | 98 | 99 | 99 | 3 | 99 |
| | B>CALLISTO 4SC | 0.094 | LAA | 12 | | | | | | |
| | C BUCTRIL 2EC | 0.094 | LAA | 12 | | | | | | |
| | D>COC | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 20A | CHECK | 0.00 | NA | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21A | DUAL II MAGNUM | 1.59 | LAA | 9 | 63 | 91 | 99 | 96 | 5 | 99 |
| | B>SPIRIT 57WG | 0.036 | LAA | 12 | | | | | | |
| | C ATRAZINE DF | 1.00 | LAA | 12 | | | | | | |
| | D>COC | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 22A | DUAL II MAGNUM | 1.59 | LAA | 9 | 75 | 95 | 99 | 98 | 10 | 99 |
| | B>NORTHSTAR 47.4 | 0.148 | LAA | 12 | | | | | | |
| | C>COC | 1.00 | PMV | 12 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 23A | BICEP II MAGNU | 3.56 | LAA | 9 | 86 | 99 | 99 | 99 | 10 | 99 |
| | B>SPIRIT 57WG | 0.036 | LAA | 12 | | | | | | |
| | C>COC | 1.00 | PMV | 12 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 24A | HARNESS XTRA | 1.89 | LAA | 9 | 92 | 97 | 99 | 99 | 2 | 99 |
| | B>WEATHERMAX 4.5 | 0.75 | LAA | 12 | | | | | | |
| | C>LIQUID AMS | 3.67 | PMV | 12 | | | | | | |
| 25A | DEGREE XTRA 4S | 1.52 | LAA | 9 | 83 | 97 | 99 | 99 | 1 | 99 |
| | B>WEATHERMAX 4.5 | 0.75 | LAA | 12 | | | | | | |
| | C>LIQUID AMS | 3.67 | PMV | 12 | | | | | | |
| 26A | DEGREE XTRA 4S | 1.52 | LAA | 11 | | | | | 9 | 99 |
| | B>WEATHERMAX 4.5 | 0.75 | LAA | 11 | | | | | | |
| | C>LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 27A | STALWART EXTRA | 1.83 | LAA | 9 | 94 | 97 | 99 | 99 | 4 | 99 |
| | B>WEATHERMAX 4.5 | 0.75 | LAA | 12 | | | | | | |
| | C>LIQUID AMS | 3.67 | PMV | 12 | | | | | | |
| 28A | WEATHERMAX 4.5 | 0.75 | LAA | 11 | | | | | 2 | 99 |
| | B>LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| | C>WEATHERMAX 4.5 | 0.56 | LAA | 13 | | | | | | |
| | D>LIQUID AMS | 3.67 | PMV | 13 | | | | | | |
| | | LSD (0.05) | | | 19.94 | 10.35 | 0.00 | 2.47 | 6.17 | 0.247 |
| | | STANDARD DEVIATION | | | 9.66 | 5.00 | 0.00 | 1.20 | 3.09 | 0.124 |

TITLE: Weed Control Systems in Glyphosate Resistant Corn SW-1600
CREATED: 04/20/2004 **REVISED:** 12/12/2004 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: DeKalb **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 33.00 FT LONG **REPS:** 03

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | TM | AMBTR | ABUTH | SETFA | IPOHE | ZEAMD | CHEAL |
|------------|------------------------|--------|------|----|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | RATE | UNIT | | CON % 06/28/04 | CON % 06/28/04 | CON % 06/28/04 | CON % 06/28/04 | CON % 07/13/04 | CON % 07/13/04 |
| 1A | »LEXAR 3.7L | 3.23 | LAA | 9 | 92 | 95 | 99 | 99 | 0 | 99 |
| 2A | »LEXAR 3.7L | 3.23 | LAA | 9 | 95 | 99 | 99 | 99 | 0 | 99 |
| | B PRINCEP 4L | 1.00 | LAA | 9 | | | | | | |
| 3A | »KEYSTONE 5.25L | 3.50 | LAA | 9 | 88 | 94 | 98 | 99 | 0 | 99 |
| | B»HORNET 68.5WG | 0.128 | LAA | 9 | | | | | | |
| 4A | »BICEP II MAGNU | 3.56 | LAA | 9 | 91 | 86 | 99 | 99 | 0 | 99 |
| | B»CALLISTO 4SC | 0.094 | LAA | 12 | | | | | | |
| | C ATRAZINE DF | 0.50 | LAA | 12 | | | | | | |
| | D»COC | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 5A | »KEYSTONE 5.25L | 3.50 | LAA | 9 | 96 | 86 | 99 | 99 | 0 | 99 |
| | B»HORNET 68.5WG | 0.128 | LAA | 11 | | | | | | |
| | C»COC | 1.00 | PMV | 11 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 6A | »KEYSTONE 5.25L | 3.50 | LAA | 9 | 90 | 93 | 98 | 99 | 0 | 99 |
| | B»HORNET 68.5WG | 0.128 | LAA | 11 | | | | | | |
| | C ATRAZINE DF | 0.25 | LAA | 11 | | | | | | |
| | D»CALLISTO 4SC | 0.023 | LAA | 11 | | | | | | |
| | E»COC | 1.00 | PMV | 11 | | | | | | |
| | F»LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 7A | »KEYSTONE 5.25L | 1.97 | LAA | 9 | 94 | 86 | 99 | 97 | 0 | 99 |
| | B»GF-1279 4LB AE | 0.75 | LAA | 12 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 8A | »GUARDS MAX 5L | 2.50 | LAA | 9 | 93 | 83 | 99 | 99 | 1 | 99 |
| | B MARKSMAN SC | 1.20 | LAA | 11 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 9A | »GUARDS MAX 5L | 2.50 | LAA | 9 | 86 | 87 | 99 | 99 | 2 | 99 |
| | B»DISTINCT 70WG | 0.175 | LAA | 11 | | | | | | |
| | C»ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | | |
| | D»LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 10A | »OUTLOOK 6EC | 0.56 | LAA | 9 | 93 | 91 | 98 | 99 | 0 | 99 |
| | B»WEATHERMAX 4.5 | 0.56 | LAA | 11 | | | | | | |
| | C»DISTINCT 70WG | 0.131 | LAA | 11 | | | | | | |
| | D ATRAZINE DF | 0.75 | LAA | 11 | | | | | | |
| | E»ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | | |
| | F»LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 11A | »WEATHERMAX 4.5 | 0.56 | LAA | 11 | 97 | 91 | 99 | 99 | 0 | 99 |
| | B»DISTINCT 70WG | 0.131 | LAA | 11 | | | | | | |
| | C ATRAZINE DF | 0.75 | LAA | 11 | | | | | | |
| | D»ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | | |
| | E»LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 12A | »WEATHERMAX 4.5 | 0.56 | LAA | 11 | 97 | 96 | 98 | 99 | 3 | 99 |
| | B CLARITY | 0.25 | LAA | 11 | | | | | | |
| | C ATRAZINE DF | 0.75 | LAA | 11 | | | | | | |
| | D»LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 13A | ATRAZINE DF | 1.50 | LAA | 9 | 91 | 91 | 99 | 99 | 0 | 99 |
| | B»WEATHERMAX 4.5 | 0.56 | LAA | 11 | | | | | | |
| | C»PROWL H20 3.8C | 1.19 | LAA | 11 | | | | | | |
| | D ATRAZINE DF | 0.75 | LAA | 11 | | | | | | |
| | E»LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 14A | »WEATHERMAX 4.5 | 0.56 | LAA | 11 | 92 | 96 | 96 | 99 | 0 | 99 |
| | B»PROWL H20 3.8C | 1.19 | LAA | 11 | | | | | | |
| | C ATRAZINE DF | 0.75 | LAA | 11 | | | | | | |
| | D»LIQUID AMS | 3.67 | PMV | 11 | | | | | | |

TITLE: Weed Control Systems in Glyphosate Resistant Corn SW-1600

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | | AMBTR CON % 06/28/04 | ABUTH CON % 06/28/04 | SETFA CON % 06/28/04 | IPOHE CON % 06/28/04 | ZEAMD CON % 07/13/04 | CHEAL CON % 07/13/04 |
|------------|------------------------|--------------------|------|----|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | | RATE | UNIT | TM | | | | | | |
| 15A | CINCH ATZ 5.5L | 1.03 | LAA | 9 | 99 | 99 | 99 | 99 | 0 | 99 |
| | B>STEADFAST ATZ | 0.78 | LAA | 0 | | | | | | |
| | C>STEADFAST 75DF | 0.035 | LAA | 11 | | | | | | |
| | D ATRAZINE DF | 0.75 | LAA | 11 | | | | | | |
| | E>CALLISTO 4SC | 0.047 | LAA | 11 | | | | | | |
| | F>COC | 1.00 | PMV | 11 | | | | | | |
| | G>LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 16A | BALANCE PRO 4S | 0.07 | LAA | 9 | 95 | 98 | 98 | 99 | 3 | 99 |
| | B ATRAZINE DF | 1.00 | LAA | 9 | | | | | | |
| | C>EQUIP 62WG | 0.058 | LAA | 12 | | | | | | |
| | D>MSO | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 17A | VOLLEY ATZ 5.2 | 2.89 | LAA | 9 | 92 | 98 | 99 | 99 | 0 | 99 |
| | B>PRIORITY 62.5W | 0.039 | LAA | 12 | | | | | | |
| | C ATRAZINE DF | 0.50 | LAA | 12 | | | | | | |
| | D>ACTIVATOR 90 | 0.25 | PMV | 12 | | | | | | |
| | E>LIQUID AMS | 3.67 | PMV | 12 | | | | | | |
| 18A | DUAL II MAGNUM | 1.59 | LAA | 9 | 98 | 99 | 99 | 99 | 2 | 99 |
| | B>CALLISTO 4SC | 0.094 | LAA | 12 | | | | | | |
| | C ATRAZINE DF | 1.00 | LAA | 12 | | | | | | |
| | D>COC | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 19A | DUAL II MAGNUM | 1.59 | LAA | 9 | 98 | 99 | 97 | 99 | 3 | 99 |
| | B>CALLISTO 4SC | 0.094 | LAA | 12 | | | | | | |
| | C BUCTRIL 2EC | 0.094 | LAA | 12 | | | | | | |
| | D>COC | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 20A | CHECK | 0.00 | NA | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21A | DUAL II MAGNUM | 1.59 | LAA | 9 | 93 | 98 | 99 | 99 | 3 | 98 |
| | B>SPIRIT 57WG | 0.036 | LAA | 12 | | | | | | |
| | C ATRAZINE DF | 1.00 | LAA | 12 | | | | | | |
| | D>COC | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 22A | DUAL II MAGNUM | 1.59 | LAA | 9 | 98 | 99 | 99 | 99 | 7 | 99 |
| | B>NORTHSTAR 47.4 | 0.148 | LAA | 12 | | | | | | |
| | C>COC | 1.00 | PMV | 12 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 23A | BICEP II MAGNU | 3.56 | LAA | 9 | 98 | 99 | 99 | 99 | 0 | 99 |
| | B>SPIRIT 57WG | 0.036 | LAA | 12 | | | | | | |
| | C>COC | 1.00 | PMV | 12 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 24A | HARNESS XTRA | 1.89 | LAA | 9 | 98 | 95 | 98 | 99 | 2 | 99 |
| | B>WEATHERMAX 4.5 | 0.75 | LAA | 12 | | | | | | |
| | C>LIQUID AMS | 3.67 | PMV | 12 | | | | | | |
| 25A | DEGREE XTRA 4S | 1.52 | LAA | 9 | 95 | 97 | 99 | 99 | 0 | 99 |
| | B>WEATHERMAX 4.5 | 0.75 | LAA | 12 | | | | | | |
| | C>LIQUID AMS | 3.67 | PMV | 12 | | | | | | |
| 26A | DEGREE XTRA 4S | 1.52 | LAA | 11 | 95 | 94 | 99 | 99 | 3 | 99 |
| | B>WEATHERMAX 4.5 | 0.75 | LAA | 11 | | | | | | |
| | C>LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| 27A | STALWART EXTRA | 1.83 | LAA | 9 | 97 | 95 | 98 | 99 | 1 | 99 |
| | B>WEATHERMAX 4.5 | 0.75 | LAA | 12 | | | | | | |
| | C>LIQUID AMS | 3.67 | PMV | 12 | | | | | | |
| 28A | WEATHERMAX 4.5 | 0.75 | LAA | 11 | 99 | 99 | 99 | 99 | 0 | 99 |
| | B>LIQUID AMS | 3.67 | PMV | 11 | | | | | | |
| | C>WEATHERMAX 4.5 | 0.56 | LAA | 13 | | | | | | |
| | D>LIQUID AMS | 3.67 | PMV | 13 | | | | | | |
| | | LSD (0.05) | | | 9.13 | 9.00 | 2.07 | 0.891 | 4.35 | 0.423 |
| | | STANDARD DEVIATION | | | 4.57 | 4.51 | 1.00 | 0.445 | 2.17 | 0.211 |

TITLE: Weed Control Systems in Glyphosate Resistant Corn SW-1600
CREATED: 04/20/2004 **REVISED:** 12/12/2004 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: DeKalb **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 33.00 FT LONG **REPS:** 03

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | TM | AMBTR | ABUTH | SETFA | IPOHE | YIELD |
|------------|------------------------|--------|------|----|-------------------|-------------------|-------------------|-------------------|---------------------|
| | | RATE | UNIT | | CON % 07/13/04 | CON % 07/13/04 | CON % 07/13/04 | CON % 07/13/04 | BU/ACRE 10/25/04 |
| 1A | »LEXAR 3.7L | 3.23 | LAA | 9 | 80 | 97 | 99 | 99 | 220.2 |
| 2A | »LEXAR 3.7L | 3.23 | LAA | 9 | 95 | 98 | 99 | 99 | 217.0 |
| | B »PRINCEP 4L | 1.00 | LAA | 9 | | | | | |
| 3A | »KEYSTONE 5.25L | 3.50 | LAA | 9 | 87 | 96 | 98 | 99 | 188.4 |
| | B»HORNET 68.5WG | 0.128 | LAA | 9 | | | | | |
| 4A | »BICEP II MAGNU | 3.56 | LAA | 9 | 86 | 87 | 99 | 99 | 224.1 |
| | B»CALLISTO 4SC | 0.094 | LAA | 12 | | | | | |
| | C ATRAZINE DF | 0.50 | LAA | 12 | | | | | |
| | D»COC | 1.00 | PMV | 12 | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | |
| 5A | »KEYSTONE 5.25L | 3.50 | LAA | 9 | 93 | 95 | 99 | 99 | 233.0 |
| | B»HORNET 68.5WG | 0.128 | LAA | 11 | | | | | |
| | C»COC | 1.00 | PMV | 11 | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 11 | | | | | |
| 6A | »KEYSTONE 5.25L | 3.50 | LAA | 9 | 94 | 98 | 98 | 99 | 218.8 |
| | B»HORNET 68.5WG | 0.128 | LAA | 11 | | | | | |
| | C ATRAZINE DF | 0.25 | LAA | 11 | | | | | |
| | D»CALLISTO 4SC | 0.023 | LAA | 11 | | | | | |
| | E»COC | 1.00 | PMV | 11 | | | | | |
| | F»LIQUID AMS | 2.50 | PMV | 11 | | | | | |
| 7A | »KEYSTONE 5.25L | 1.97 | LAA | 9 | 90 | 90 | 99 | 96 | 253.7 |
| | B»GF-1279 4LB AE | 0.75 | LAA | 12 | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 12 | | | | | |
| 8A | »GUARDS MAX 5L | 2.50 | LAA | 9 | 87 | 76 | 99 | 99 | 222.7 |
| | B MARKSMAN SC | 1.20 | LAA | 11 | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 11 | | | | | |
| 9A | »GUARDS MAX 5L | 2.50 | LAA | 9 | 76 | 84 | 99 | 99 | 211.7 |
| | B»DISTINCT 70WG | 0.175 | LAA | 11 | | | | | |
| | C»ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | |
| | D»LIQUID AMS | 3.67 | PMV | 11 | | | | | |
| 10A | »OUTLOOK 6EC | 0.56 | LAA | 9 | 94 | 86 | 99 | 99 | 241.0 |
| | B»WEATHERMAX 4.5 | 0.56 | LAA | 11 | | | | | |
| | C»DISTINCT 70WG | 0.131 | LAA | 11 | | | | | |
| | D ATRAZINE DF | 0.75 | LAA | 11 | | | | | |
| | E»ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | |
| | F»LIQUID AMS | 3.67 | PMV | 11 | | | | | |
| 11A | »WEATHERMAX 4.5 | 0.56 | LAA | 11 | 96 | 93 | 99 | 99 | 227.6 |
| | B»DISTINCT 70WG | 0.131 | LAA | 11 | | | | | |
| | C ATRAZINE DF | 0.75 | LAA | 11 | | | | | |
| | D»ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | |
| | E»LIQUID AMS | 3.67 | PMV | 11 | | | | | |
| 12A | »WEATHERMAX 4.5 | 0.56 | LAA | 11 | 97 | 96 | 98 | 99 | 213.1 |
| | B CLARITY | 0.25 | LAA | 11 | | | | | |
| | C ATRAZINE DF | 0.75 | LAA | 11 | | | | | |
| | D»LIQUID AMS | 3.67 | PMV | 11 | | | | | |
| 13A | ATRAZINE DF | 1.50 | LAA | 9 | 81 | 93 | 99 | 99 | 225.9 |
| | B»WEATHERMAX 4.5 | 0.56 | LAA | 11 | | | | | |
| | C»PROWL H20 3.8C | 1.19 | LAA | 11 | | | | | |
| | D ATRAZINE DF | 0.75 | LAA | 11 | | | | | |
| | E»LIQUID AMS | 3.67 | PMV | 11 | | | | | |
| 14A | »WEATHERMAX 4.5 | 0.56 | LAA | 11 | 82 | 95 | 96 | 98 | 227.4 |
| | B»PROWL H20 3.8C | 1.19 | LAA | 11 | | | | | |
| | C ATRAZINE DF | 0.75 | LAA | 11 | | | | | |
| | D»LIQUID AMS | 3.67 | PMV | 11 | | | | | |

TITLE: Weed Control Systems in Glyphosate Resistant Corn SW-1600

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | | AMBTR CON % 07/13/04 | ABUTH CON % 07/13/04 | SETFA CON % 07/13/04 | IPOHE CON % 07/13/04 | YIELD BU/ACRE 10/25/04 |
|------------|------------------------|--------------------|------|----|----------------------------|----------------------------|----------------------------|----------------------------|------------------------------|
| | | RATE | UNIT | TM | | | | | |
| 15A | CINCH ATZ 5.5L | 1.03 | LAA | 9 | 98 | 99 | 99 | 99 | 236.9 |
| | B>>STEADFAST ATZ | 0.78 | LAA | 0 | | | | | |
| | C>>STEADFAST 75DF | 0.035 | LAA | 11 | | | | | |
| | D ATRAZINE DF | 0.75 | LAA | 11 | | | | | |
| | E>>CALLISTO 4SC | 0.047 | LAA | 11 | | | | | |
| | F>>COC | 1.00 | PMV | 11 | | | | | |
| | G>>LIQUID AMS | 3.67 | PMV | 11 | | | | | |
| 16A | BALANCE PRO 4S | 0.07 | LAA | 9 | 96 | 99 | 92 | 99 | 220.4 |
| | B ATRAZINE DF | 1.00 | LAA | 9 | | | | | |
| | C>>EQUIP 62WG | 0.058 | LAA | 12 | | | | | |
| | D>>MSO | 1.00 | PMV | 12 | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | |
| 17A | VOLLEY ATZ 5.2 | 2.89 | LAA | 9 | 82 | 99 | 99 | 99 | 239.8 |
| | B>>PRIORITY 62.5W | 0.039 | LAA | 12 | | | | | |
| | C ATRAZINE DF | 0.50 | LAA | 12 | | | | | |
| | D>>ACTIVATOR 90 | 0.25 | PMV | 12 | | | | | |
| | E>>LIQUID AMS | 3.67 | PMV | 12 | | | | | |
| 18A | DUAL II MAGNUM | 1.59 | LAA | 9 | 98 | 99 | 99 | 99 | 232.1 |
| | B>>CALLISTO 4SC | 0.094 | LAA | 12 | | | | | |
| | C ATRAZINE DF | 1.00 | LAA | 12 | | | | | |
| | D>>COC | 1.00 | PMV | 12 | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | |
| 19A | DUAL II MAGNUM | 1.59 | LAA | 9 | 97 | 99 | 92 | 99 | 220.5 |
| | B>>CALLISTO 4SC | 0.094 | LAA | 12 | | | | | |
| | C BUCTRIL 2EC | 0.094 | LAA | 12 | | | | | |
| | D>>COC | 1.00 | PMV | 12 | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | |
| 20A | CHECK | 0.00 | NA | 0 | 0 | 0 | 0 | 0 | 73.7 |
| 21A | DUAL II MAGNUM | 1.59 | LAA | 9 | 97 | 98 | 99 | 99 | 217.8 |
| | B>>SPIRIT 57WG | 0.036 | LAA | 12 | | | | | |
| | C ATRAZINE DF | 1.00 | LAA | 12 | | | | | |
| | D>>COC | 1.00 | PMV | 12 | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | |
| 22A | DUAL II MAGNUM | 1.59 | LAA | 9 | 99 | 98 | 99 | 99 | 225.3 |
| | B>>NORTHSTAR 47.4 | 0.148 | LAA | 12 | | | | | |
| | C>>COC | 1.00 | PMV | 12 | | | | | |
| | D 28% UAN | 2.50 | PMV | 12 | | | | | |
| 23A | BICEP II MAGNU | 3.56 | LAA | 9 | 99 | 99 | 99 | 99 | 219.0 |
| | B>>SPIRIT 57WG | 0.036 | LAA | 12 | | | | | |
| | C>>COC | 1.00 | PMV | 12 | | | | | |
| | D 28% UAN | 2.50 | PMV | 12 | | | | | |
| 24A | HARNESS XTRA | 1.89 | LAA | 9 | 96 | 97 | 97 | 99 | 227.3 |
| | B>>WEATHERMAX 4.5 | 0.75 | LAA | 12 | | | | | |
| | C>>LIQUID AMS | 3.67 | PMV | 12 | | | | | |
| 25A | DEGREE XTRA 4S | 1.52 | LAA | 9 | 96 | 95 | 99 | 99 | 229.2 |
| | B>>WEATHERMAX 4.5 | 0.75 | LAA | 12 | | | | | |
| | C>>LIQUID AMS | 3.67 | PMV | 12 | | | | | |
| 26A | DEGREE XTRA 4S | 1.52 | LAA | 11 | 84 | 94 | 99 | 99 | 217.8 |
| | B>>WEATHERMAX 4.5 | 0.75 | LAA | 11 | | | | | |
| | C>>LIQUID AMS | 3.67 | PMV | 11 | | | | | |
| 27A | STALWART EXTRA | 1.83 | LAA | 9 | 97 | 92 | 98 | 99 | 234.4 |
| | B>>WEATHERMAX 4.5 | 0.75 | LAA | 12 | | | | | |
| | C>>LIQUID AMS | 3.67 | PMV | 12 | | | | | |
| 28A | WEATHERMAX 4.5 | 0.75 | LAA | 11 | 99 | 99 | 98 | 99 | 228.6 |
| | B>>LIQUID AMS | 3.67 | PMV | 11 | | | | | |
| | C>>WEATHERMAX 4.5 | 0.56 | LAA | 13 | | | | | |
| | D>>LIQUID AMS | 3.67 | PMV | 13 | | | | | |
| | | LSD (0.05) | | | 15.79 | 10.00 | 5.30 | 1.69 | 35.26 |
| | | STANDARD DEVIATION | | | 7.90 | 5.00 | 2.65 | 0.845 | 17.63 |

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 04/30/2004(1)
 11 = ----- / EPOST 05/25/2004(2)
 12 = ----- / POST 06/08/2004(3)
 13 = ----- / LPOST 06/15/2004(4)

| H# | CUSTOM#1 | CUSTOM#2 | EV. DATE | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS | C.M | CTRT | SS | NOTE |
|-----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|------|----|------|
| 001 | ZEAMD | CON % | 05/26/2004 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 002 | CHEAL | CON % | 05/26/2004 | 02 | P | CHEAL | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 003 | AMBTR | CON % | 05/26/2004 | 03 | P | AMBTR | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 004 | ABUTH | CON % | 05/26/2004 | 04 | P | ABUTH | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 005 | SETFA | CON % | 05/26/2004 | 05 | P | SETFA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 006 | ZEAMD | CON % | 06/08/2004 | 01 | P | ZEAMD | 35 | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 007 | CHEAL | CON % | 06/08/2004 | 02 | P | CHEAL | 18 | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 008 | AMBTR | CON % | 06/08/2004 | 03 | P | AMBTR | 18 | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 009 | ABUTH | CON % | 06/08/2004 | 04 | P | ABUTH | 16 | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 010 | SETFA | CON % | 06/08/2004 | 05 | P | SETFA | 14 | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 011 | ZEAMD | CON % | 06/15/2004 | 01 | P | ZEAMD | 37 | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 012 | CHEAL | CON % | 06/15/2004 | 02 | P | CHEAL | 19 | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 013 | AMBTR | CON % | 06/15/2004 | 03 | P | AMBTR | 19 | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 014 | ABUTH | CON % | 06/15/2004 | 04 | P | ABUTH | 18 | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 015 | SETFA | CON % | 06/15/2004 | 05 | P | SETFA | 16 | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 016 | IPOHE | CON % | 06/15/2004 | 06 | P | IPOHE | 13 | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 017 | ZEAMD | CON % | 06/28/2004 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 018 | CHEAL | CON % | 06/28/2004 | 02 | P | CHEAL | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 019 | AMBTR | CON % | 06/28/2004 | 03 | P | AMBTR | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 020 | ABUTH | CON % | 06/28/2004 | 04 | P | ABUTH | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 021 | SETFA | CON % | 06/28/2004 | 05 | P | SETFA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 022 | IPOHE | CON % | 06/28/2004 | 06 | P | IPOHE | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 023 | ZEAMD | CON % | 07/13/2004 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 024 | CHEAL | CON % | 07/13/2004 | 02 | P | CHEAL | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 025 | AMBTR | CON % | 07/13/2004 | 03 | P | AMBTR | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 026 | ABUTH | CON % | 07/13/2004 | 04 | P | ABUTH | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 027 | SETFA | CON % | 07/13/2004 | 05 | P | SETFA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 028 | IPOHE | CON % | 07/13/2004 | 06 | P | IPOHE | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 029 | YIELD | BU/ACRE | 10/25/2004 | 01 | P | ZEAMD | | RAW | ALL | YLD | BU | --- | 1.00 PL | NO | 0001 | 0 | N |

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 718 RR/YG

* STAGE CODE

13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 14 = 4 LEAVES UNFOLDED
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 35 = 5 NODES DETECTABLE
 37 = 7 NODES DETECTABLE