**APPLICATIONS**

**SOIL INFORMATION**

**TEXTURE:** SIX
**PH:** 6.1
**%OM:** 5.5
**PREV.CROP:** GLXMA - SOYBEAN
**%RESIDUE:** 0
**PLOT WIDTH:** 7.5 X 30 FEET
**PLOT AREA:** 225 FEET

**TRIAL INFORMATION**

**DESIGN:** RCB
**REPS:** 3

| APPL. NUMBER | 01 | 02 | 03 | UNIT |
|---|---|---|---|---|
| TIMINGS | 09 | 11 | 12 | |
| TYPE | LIQMIX | LIQMIX | LIQMIX | |
| APPLICATION DATE | 04/19/12 | 05/16/12 | 05/29/12 | AME |
| AIR TEMPERATURE | 66 | 75 | 84 | F |
| % REL.HUMIDITY | 31 | 28 | 46 | |
| WIND DIRECTION | SOUTHWEST | NORTH | SOUTHWEST | |
| WIND SPEED | 8.0 | 8.0 | 2.0 | M/H |
| CLOUD COVER | PARTCLDY | CLEAR | CLEAR | |
| DEW | NO | NO | NO | |
| SOIL MOISTURE | DRY/MOIST | DRY/MOIST | MOIST/MOI | |
| SOIL CONDITION | --- | --- | --- | |
| METHOD | SPRAY | SPRAY | SPRAY | |
| EQUIPMENT | SPRBAC | SPRBAC | SPRBAC | |
| PROPELLANT | COMCO2 | COMCO2 | COMCO2 | |
| PLACEMENT | BRFOSO | BRFOSO | BRFOSO | |
| NOZZLE | FLATFAN | FLATFAN | FLATFAN | |
| NOZZLE NUMBER | 5 | 5 | 5 | |
| NOZZLE SPACING | 18.000 | 18.000 | 18.000 | IN |
| SCREEN SIZE | | | | |
| SCREEN SZ DESC | NA | NA | NA | |
| SWATH WIDTH | 7.5 | 7.5 | 7.5 | FT |
| SPRAY VOLUME | 20.00 | 20.00 | 20.00 | |
| SPRAY VOLUME UNIT | GPA | GPA | GPA | |
| PRESSURE | 30.00 | 30.00 | 30.00 | PSI |
| DILUENT | WATER | WATER | WATER | |
| INC. DATE | | | | AME |
| INC. START | | | | 24H |
| INC. END | | | | 24H |
| INC. DEPTH | | | | IN |
| INC. EQUIPMENT | --- | --- | --- | |
| | DEN/ STG/ MINMAXSZ | | | |
| *** CROP *** | | | | |
| CORN, DENT | ---/14 | ---/16 | | |
| N72F3000GT | 8.00/8.00 | 18.0/18.0 | IN | |
| 04/19/2012 | | | | |
| *** PEST *** | | | | |
| VELVETLEAF | ---/14 | ---/16 | | |
| | 2.00/4.00 | 2.00/8.00 | IN | |
| WATERHEMP, COMMO | ---/19 | ---/19 | | |
| | 1.00/3.00 | 1.00/8.00 | IN | |
| LAMBSQUARTERS, C | ---/19 | ---/19 | | |
| | 2.00/4.00 | 2.00/10.0 | IN | |
| MORNINGGLORY, TA | ---/14 | ---/18 | | |
| | 1.00/2.00 | 2.00/6.00 | IN | |
| FOXTAIL, GIANT | ---/14 | ---/16 | | |
| | 1.00/5.00 | 2.00/8.00 | IN | |
| COCKLEBUR, COMMO | ---/14 | ---/18 | | |
| | 2.00/6.00 | 2.00/12.0 | IN | |

*** TIMING CODES**
09 = ------- / PREEMERGENCE
11 = ------- / EPOST
12 = ------- / POST

*** STAGE CODE**
14 = 4 LEAVES UNFOLDED
14 = 4 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6 LEAVES UNFOLDED
16 = 6 LEAVES UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

*** STAGE CODE**
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Monsanto Herbicide Combinations for Weed Control in RR/LL Corn. AS-400
**CREATED:** 04/06/2012 **REVISED:** 10/23/2012 **COMPLETED:** N
**PROJECT TYPE:** HERBICIDE
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN
**PLOT SIZE:** 7.50 FT **WIDE X** 30.00 FT **LONG**
**PLOT AREA:** 225.00 SFT

**REPS:** 03

| TRT NUM | TREATMENT COMPONENT | DOSAGE RATE | UNIT | TM | ZEAMD CON % 05/15/12 | SETFA CON % 05/15/12 | CHEAL CON % 05/15/12 | AMATA CON % 05/15/12 | ABUTH CON % 05/15/12 | XANST CON % 05/15/12 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1A | HARNESS XTRA | 2.80 | LAA | 9 | 0 | 97 | 99 | 99 | 97 | 93 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 2A | DEGREE XTRA | 3.03 | LAA | 9 | 0 | 93 | 99 | 99 | 94 | 92 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 3A | »TRIPLEFLEX 4.1 | 1.04 | LAA | 9 | 0 | 90 | 99 | 99 | 97 | 92 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 4A | HARNESS XTRA | 2.10 | LAA | 9 | 0 | 94 | 99 | 99 | 93 | 92 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»TRIPLEFLEX 4.1 | 0.91 | LAA | 12 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 5A | »LEXAR EZ 3.7SC | 2.08 | LAA | 9 | 0 | 90 | 99 | 99 | 99 | 93 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 6A | »VERDICT 5.57L | 0.696 | LAA | 9 | 0 | 95 | 99 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 7A | HARNESS XTRA | 2.80 | LAA | 9 | 0 | 98 | 99 | 99 | 97 | 92 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C IMPACT 2.8SC | 0.016 | LAA | 12 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 8A | HARNESS XTRA | 2.10 | LAA | 9 | 0 | 97 | 99 | 99 | 92 | 88 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C IMPACT 2.8SC | 0.016 | LAA | 12 | | | | | | |
| | D»WARRANT 3L | 0.75 | LAA | 12 | | | | | | |
| | E»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 9A | DEGREE XTRA | 2.02 | LAA | 9 | 0 | 96 | 99 | 99 | 94 | 87 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»WARRANT 3L | 0.75 | LAA | 12 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 10A | HARNESS XTRA | 1.40 | LAA | 9 | 0 | 91 | 99 | 98 | 89 | 83 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»WARRANT 3L | 0.75 | LAA | 12 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 11A | »TRIPLEFLEX 4.1 | 1.04 | LAA | 9 | 0 | 91 | 99 | 99 | 93 | 90 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»WARRANT 3L | 0.75 | LAA | 12 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 12A | »TOUCHDN TOTAL | 1.04 | LAA | 11 | 0 | C | C | C | C | C |
| | B»CALLISTO XTRA | 0.58 | LAA | 11 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 13A | »RNDUP POWERMAX | 1.02 | LAA | 11 | 0 | C | C | C | C | C |
| | B»ARMEZON 2.8SC | 0.011 | LAA | 11 | | | | | | |
| | C ATRAZINE DF | 0.50 | LAA | 11 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 14A | »RNDUP POWERMAX | 1.02 | LAA | 11 | 0 | C | C | C | C | C |
| | B IMPACT 2.8SC | 0.016 | LAA | 11 | | | | | | |
| | C ATRAZINE DF | 0.50 | LAA | 11 | | | | | | |
| | D»DESTINY HC | 0.50 | PMV | 11 | | | | | | |
| | E»LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 15A | CHECK | 0.00 | NA | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**TITLE:** Monsanto Herbicide Combinations for Weed Control in RR/LL Corn. AS-400

| TRT NUM | TREATMENT COMPONENT | DOSAGE RATE | UNIT | TM | ZEAMD CON % 05/15/12 | SETFA CON % 05/15/12 | CHEAL CON % 05/15/12 | AMATA CON % 05/15/12 | ABUTH CON % 05/15/12 | XANST CON % 05/15/12 |
|---|---|---|---|---|---|---|---|---|---|---|
| 16A | »RNDUP POWERMAX | 1.02 | LAA | 11 | 0 | C | C | C | C | C |
| B | »LAUDIS 3.5SC | 0.082 | LAA | 11 | | | | | | |
| C | ATRAZINE DF | 0.50 | LAA | 11 | | | | | | |
| D | »LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 17A | »HALEX GT 4.38L | 1.97 | LAA | 11 | 0 | C | C | C | C | C |
| B | ATRAZINE DF | 0.50 | LAA | 11 | | | | | | |
| C | »LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 18A | »GLYFOS EXTRA 3 | 0.75 | LAA | 11 | 0 | C | C | C | C | C |
| B | »SOLID A 25WG | 0.016 | LAA | 11 | | | | | | |
| C | »LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| | LSD (0.05) | | | | 0.00 | 4.19 | 0.00 | 0.449 | 2.94 | 5.16 |
| | STANDARD DEVIATION | | | | 0.00 | 2.07 | 0.00 | 0.222 | 1.45 | 2.55 |

**TITLE:** Monsanto Herbicide Combinations for Weed Control in RR/LL Corn. AS-400
**CREATED:** 04/06/2012 **REVISED:** 10/23/2012 **COMPLETED:** N
**PROJECT TYPE:** HERBICIDE
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN
**PLOT SIZE:** 7.50 FT **WIDE X** 30.00 FT **LONG**
**PLOT AREA:** 225.00 SFT

**REPS:** 03

| TRT NUM | TREATMENT COMPONENT | DOSAGE RATE | UNIT | TM | PHBPU CON % 05/15/12 | ZEAMD CON % 06/07/12 | SETFA CON % 06/07/12 | CHEAL CON % 06/07/12 | AMATA CON % 06/07/12 | ABUTH CON % 06/07/12 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1A | HARNESS XTRA | 2.80 | LAA | 9 | 88 | 0 | 99 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 2A | DEGREE XTRA | 3.03 | LAA | 9 | 87 | 0 | 99 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 3A | »TRIPLEFLEX 4.1 | 1.04 | LAA | 9 | 85 | 0 | 99 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 4A | HARNESS XTRA | 2.10 | LAA | 9 | 84 | 0 | 99 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»TRIPLEFLEX 4.1 | 0.91 | LAA | 12 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 5A | »LEXAR EZ 3.7SC | 2.08 | LAA | 9 | 88 | 0 | 99 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 6A | »VERDICT 5.57L | 0.696 | LAA | 9 | 97 | 0 | 99 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 7A | HARNESS XTRA | 2.80 | LAA | 9 | 88 | 0 | 99 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C IMPACT 2.8SC | 0.016 | LAA | 12 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 8A | HARNESS XTRA | 2.10 | LAA | 9 | 85 | 0 | 99 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C IMPACT 2.8SC | 0.016 | LAA | 12 | | | | | | |
| | D»WARRANT 3L | 0.75 | LAA | 12 | | | | | | |
| | E»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 9A | DEGREE XTRA | 2.02 | LAA | 9 | 84 | 0 | 99 | 98 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»WARRANT 3L | 0.75 | LAA | 12 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 10A | HARNESS XTRA | 1.40 | LAA | 9 | 78 | 0 | 99 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»WARRANT 3L | 0.75 | LAA | 12 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 11A | »TRIPLEFLEX 4.1 | 1.04 | LAA | 9 | 86 | 0 | 99 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»WARRANT 3L | 0.75 | LAA | 12 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 12A | »TOUCHDN TOTAL | 1.04 | LAA | 11 | C | 0 | 89 | 99 | 99 | 99 |
| | B»CALLISTO XTRA | 0.58 | LAA | 11 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 13A | »RNDUP POWERMAX | 1.02 | LAA | 11 | C | 0 | 94 | 98 | 96 | 99 |
| | B»ARMEZON 2.8SC | 0.011 | LAA | 11 | | | | | | |
| | C ATRAZINE DF | 0.50 | LAA | 11 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 14A | »RNDUP POWERMAX | 1.02 | LAA | 11 | C | 0 | 94 | 99 | 99 | 99 |
| | B IMPACT 2.8SC | 0.016 | LAA | 11 | | | | | | |
| | C ATRAZINE DF | 0.50 | LAA | 11 | | | | | | |
| | D»DESTINY HC | 0.50 | PMV | 11 | | | | | | |
| | E»LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 15A | CHECK | 0.00 | NA | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**TITLE:** Monsanto Herbicide Combinations for Weed Control in RR/LL Corn. AS-400

| TRT NUM | TREATMENT COMPONENT | DOSAGE RATE | UNIT | TM | PHBPU CON % 05/15/12 | ZEAMD CON % 06/07/12 | SETFA CON % 06/07/12 | CHEAL CON % 06/07/12 | AMATA CON % 06/07/12 | ABUTH CON % 06/07/12 |
|---|---|---|---|---|---|---|---|---|---|---|
| 16A | »RNDUP POWERMAX | 1.02 | LAA | 11 | C | 0 | 97 | 99 | 99 | 99 |
| B | »LAUDIS 3.5SC | 0.082 | LAA | 11 | | | | | | |
| C | ATRAZINE DF | 0.50 | LAA | 11 | | | | | | |
| D | »LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 17A | »HALEX GT 4.38L | 1.97 | LAA | 11 | C | 0 | 97 | 99 | 98 | 99 |
| B | ATRAZINE DF | 0.50 | LAA | 11 | | | | | | |
| C | »LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 18A | »GLYFOS EXTRA 3 | 0.75 | LAA | 11 | C | 6 | 96 | 99 | 88 | 99 |
| B | »SOLID A 25WG | 0.016 | LAA | 11 | | | | | | |
| C | »LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| | LSD (0.05) | | | | 7.92 | 0.449 | 1.59 | 0.449 | 1.43 | 0.00 |
| | STANDARD DEVIATION | | | | 3.92 | 0.222 | 0.787 | 0.222 | 0.707 | 0.00 |

**TITLE:** Monsanto Herbicide Combinations for Weed Control in RR/LL Corn. AS-400
**CREATED:** 04/06/2012 **REVISED:** 10/23/2012 **COMPLETED:** N
**PROJECT TYPE:** HERBICIDE
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN
**PLOT SIZE:** 7.50 FT **WIDE X** 30.00 FT **LONG**
**PLOT AREA:** 225.00 SFT

**REPS:** 03

| TRT NUM | TREATMENT COMPONENT | DOSAGE RATE | UNIT | TM | XANST CON % 06/07/12 | PHBPU CON % 06/07/12 | ZEAMD CON % 06/20/12 | SETFA CON % 06/20/12 | CHEAL CON % 06/20/12 | AMATA CON % 06/20/12 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1A | HARNESS XTRA | 2.80 | LAA | 9 | 99 | 96 | 0 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 2A | DEGREE XTRA | 3.03 | LAA | 9 | 99 | 97 | 0 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 3A | »TRIPLEFLEX 4.1 | 1.04 | LAA | 9 | 99 | 96 | 0 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 4A | HARNESS XTRA | 2.10 | LAA | 9 | 99 | 97 | 0 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»TRIPLEFLEX 4.1 | 0.91 | LAA | 12 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 5A | »LEXAR EZ 3.7SC | 2.08 | LAA | 9 | 99 | 97 | 0 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 6A | »VERDICT 5.57L | 0.696 | LAA | 9 | 99 | 99 | 0 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 7A | HARNESS XTRA | 2.80 | LAA | 9 | 99 | 99 | 0 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C IMPACT 2.8SC | 0.016 | LAA | 12 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 8A | HARNESS XTRA | 2.10 | LAA | 9 | 99 | 93 | 0 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C IMPACT 2.8SC | 0.016 | LAA | 12 | | | | | | |
| | D»WARRANT 3L | 0.75 | LAA | 12 | | | | | | |
| | E»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 9A | DEGREE XTRA | 2.02 | LAA | 9 | 99 | 94 | 0 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»WARRANT 3L | 0.75 | LAA | 12 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 10A | HARNESS XTRA | 1.40 | LAA | 9 | 99 | 96 | 0 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»WARRANT 3L | 0.75 | LAA | 12 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 11A | »TRIPLEFLEX 4.1 | 1.04 | LAA | 9 | 99 | 94 | 0 | 99 | 99 | 99 |
| | B»WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | | | |
| | C»WARRANT 3L | 0.75 | LAA | 12 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 12A | »TOUCHDN TOTAL | 1.04 | LAA | 11 | 99 | 91 | 0 | 80 | 99 | 99 |
| | B»CALLISTO XTRA | 0.58 | LAA | 11 | | | | | | |
| | C»LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 13A | »RNDUP POWERMAX | 1.02 | LAA | 11 | 99 | 92 | 0 | 89 | 99 | 95 |
| | B»ARMEZON 2.8SC | 0.011 | LAA | 11 | | | | | | |
| | C ATRAZINE DF | 0.50 | LAA | 11 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 14A | »RNDUP POWERMAX | 1.02 | LAA | 11 | 99 | 95 | 0 | 87 | 99 | 99 |
| | B IMPACT 2.8SC | 0.016 | LAA | 11 | | | | | | |
| | C ATRAZINE DF | 0.50 | LAA | 11 | | | | | | |
| | D»DESTINY HC | 0.50 | PMV | 11 | | | | | | |
| | E»LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 15A | CHECK | 0.00 | NA | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**TITLE:** Monsanto Herbicide Combinations for Weed Control in RR/LL Corn. AS-400

| TRT NUM | TREATMENT COMPONENT | DOSAGE RATE | UNIT | TM | XANST CON % 06/07/12 | PHBPU CON % 06/07/12 | ZEAMD CON % 06/20/12 | SETFA CON % 06/20/12 | CHEAL CON % 06/20/12 | AMATA CON % 06/20/12 |
|---|---|---|---|---|---|---|---|---|---|---|
| 16A | »RNDUP POWERMAX | 1.02 | LAA | 11 | 99 | 92 | 0 | 96 | 99 | 98 |
| B | »LAUDIS 3.5SC | 0.082 | LAA | 11 | | | | | | |
| C | ATRAZINE DF | 0.50 | LAA | 11 | | | | | | |
| D | »LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 17A | »HALEX GT 4.38L | 1.97 | LAA | 11 | 99 | 93 | 0 | 96 | 99 | 97 |
| B | ATRAZINE DF | 0.50 | LAA | 11 | | | | | | |
| C | »LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 18A | »GLYFOS EXTRA 3 | 0.75 | LAA | 11 | 99 | 89 | 0 | 91 | 86 | 83 |
| B | »SOLID A 25WG | 0.016 | LAA | 11 | | | | | | |
| C | »LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| | LSD (0.05) | | | | 0.00 | 4.00 | 0.00 | 3.00 | 0.674 | 2.50 |
| | STANDARD DEVIATION | | | | 0.00 | 2.00 | 0.00 | 1.50 | 0.333 | 1.23 |

**TITLE:** Monsanto Herbicide Combinations for Weed Control in RR/LL Corn. AS-400
**CREATED:** 04/06/2012 **REVISED:** 10/23/2012 **COMPLETED:** N
**PROJECT TYPE:** HERBICIDE
**LOCATION:** Urbana **RESEARCHED BY:** UNIV. OF ILL
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN
**PLOT SIZE:** 7.50 FT **WIDE X** 30.00 FT **LONG**
**PLOT AREA:** 225.00 SFT

**REPS:** 03

| TRT NUM | TREATMENT COMPONENT | DOSAGE RATE | UNIT | TM | ABUTH CON % 06/20/12 | XANST CON % 06/20/12 | PHBPU CON % 06/20/12 | YIELD BU/A 10/16/12 |
|---|---|---|---|---|---|---|---|---|
| 1A | HARNESS XTRA | 2.80 | LAA | 9 | 99 | 99 | 95 | 220.6 |
| B» | WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | |
| C» | LIQUID AMS | 2.50 | PMV | 12 | | | | |
| 2A | DEGREE XTRA | 3.03 | LAA | 9 | 99 | 99 | 96 | 232.1 |
| B» | WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | |
| C» | LIQUID AMS | 2.50 | PMV | 12 | | | | |
| 3A» | TRIPLEFLEX 4.1 | 1.04 | LAA | 9 | 99 | 99 | 91 | 234.3 |
| B» | WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | |
| C» | LIQUID AMS | 2.50 | PMV | 12 | | | | |
| 4A | HARNESS XTRA | 2.10 | LAA | 9 | 99 | 99 | 97 | 239.4 |
| B» | WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | |
| C» | TRIPLEFLEX 4.1 | 0.91 | LAA | 12 | | | | |
| D» | LIQUID AMS | 2.50 | PMV | 12 | | | | |
| 5A» | LEXAR EZ 3.7SC | 2.08 | LAA | 9 | 99 | 99 | 93 | 237.8 |
| B» | WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | |
| C» | LIQUID AMS | 2.50 | PMV | 12 | | | | |
| 6A» | VERDICT 5.57L | 0.696 | LAA | 9 | 99 | 99 | 98 | 217.5 |
| B» | WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | |
| C» | LIQUID AMS | 2.50 | PMV | 12 | | | | |
| 7A | HARNESS XTRA | 2.80 | LAA | 9 | 99 | 99 | 97 | 235.7 |
| B» | WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | |
| C | IMPACT 2.8SC | 0.016 | LAA | 12 | | | | |
| D» | LIQUID AMS | 2.50 | PMV | 12 | | | | |
| 8A | HARNESS XTRA | 2.10 | LAA | 9 | 99 | 99 | 97 | 230.4 |
| B» | WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | |
| C | IMPACT 2.8SC | 0.016 | LAA | 12 | | | | |
| D» | WARRANT 3L | 0.75 | LAA | 12 | | | | |
| E» | LIQUID AMS | 2.50 | PMV | 12 | | | | |
| 9A | DEGREE XTRA | 2.02 | LAA | 9 | 99 | 99 | 97 | 240.2 |
| B» | WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | |
| C» | WARRANT 3L | 0.75 | LAA | 12 | | | | |
| D» | LIQUID AMS | 2.50 | PMV | 12 | | | | |
| 10A | HARNESS XTRA | 1.40 | LAA | 9 | 99 | 99 | 94 | 232.5 |
| B» | WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | |
| C» | WARRANT 3L | 0.75 | LAA | 12 | | | | |
| D» | LIQUID AMS | 2.50 | PMV | 12 | | | | |
| 11A» | TRIPLEFLEX 4.1 | 1.04 | LAA | 9 | 99 | 99 | 93 | 207.6 |
| B» | WEATHERMAX 4.5 | 1.13 | LAA | 12 | | | | |
| C» | WARRANT 3L | 0.75 | LAA | 12 | | | | |
| D» | LIQUID AMS | 2.50 | PMV | 12 | | | | |
| 12A» | TOUCHDN TOTAL | 1.04 | LAA | 11 | 99 | 99 | 84 | 223.8 |
| B» | CALLISTO XTRA | 0.58 | LAA | 11 | | | | |
| C» | LIQUID AMS | 2.50 | PMV | 11 | | | | |
| 13A» | RNDUP POWERMAX | 1.02 | LAA | 11 | 99 | 99 | 85 | 242.3 |
| B» | ARMEZON 2.8SC | 0.011 | LAA | 11 | | | | |
| C | ATRAZINE DF | 0.50 | LAA | 11 | | | | |
| D» | LIQUID AMS | 2.50 | PMV | 11 | | | | |
| 14A» | RNDUP POWERMAX | 1.02 | LAA | 11 | 99 | 99 | 84 | 225.0 |
| B | IMPACT 2.8SC | 0.016 | LAA | 11 | | | | |
| C | ATRAZINE DF | 0.50 | LAA | 11 | | | | |
| D» | DESTINY HC | 0.50 | PMV | 11 | | | | |
| E» | LIQUID AMS | 2.50 | PMV | 11 | | | | |
| 15A | CHECK | 0.00 | NA | 0 | 0 | 0 | 0 | 149.6 |

**TITLE:** Monsanto Herbicide Combinations for Weed Control in RR/LL Corn. AS-400

| TRT NUM | TREATMENT COMPONENT | DOSAGE RATE | UNIT | TM | ABUTH CON % 06/20/12 | XANST CON % 06/20/12 | PHBPU CON % 06/20/12 | YIELD BU/A 10/16/12 |
|---|---|---|---|---|---|---|---|---|
| 16A | »RNDUP POWERMAX | 1.02 | LAA | 11 | 99 | 99 | 89 | 237.5 |
| B | »LAUDIS 3.5SC | 0.082 | LAA | 11 | | | | |
| C | ATRAZINE DF | 0.50 | LAA | 11 | | | | |
| D | »LIQUID AMS | 2.50 | PMV | 11 | | | | |
| 17A | »HALEX GT 4.38L | 1.97 | LAA | 11 | 99 | 99 | 83 | 237.0 |
| B | ATRAZINE DF | 0.50 | LAA | 11 | | | | |
| C | »LIQUID AMS | 2.50 | PMV | 11 | | | | |
| 18A | »GLYFOS EXTRA 3 | 0.75 | LAA | 11 | 99 | 99 | 86 | 166.4 |
| B | »SOLID A 25WG | 0.016 | LAA | 11 | | | | |
| C | »LIQUID AMS | 2.50 | PMV | 11 | | | | |
| | LSD (0.05) | | | | 0.00 | 0.00 | 4.54 | 26.49 |
| | STANDARD DEVIATION | | | | 0.00 | 0.00 | 2.25 | 13.11 |

» **= SUPPLEMENTAL CHEMICAL** **---,M,C,D = MISSING DATA**

*** TIMING CODES**
00 = ------- / UNTREATED TIMING
09 = ------- / PREEMERGENCE 04/19/2012(1)
11 = ------- / EPOST 05/16/2012(2)
12 = ------- / POST 05/29/2012(3)

| 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 % | 05/15/2012 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 002 | SETFA | CON % | 05/15/2012 | 02 | P | SETFA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 003 | CHEAL | CON % | 05/15/2012 | 03 | P | CHEAL | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 004 | AMATA | CON % | 05/15/2012 | 04 | P | AMATA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 005 | ABUTH | CON % | 05/15/2012 | 05 | P | ABUTH | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 006 | XANST | CON % | 05/15/2012 | 06 | P | XANST | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 007 | PHBPU | CON % | 05/15/2012 | 07 | P | PHBPU | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 008 | ZEAMD | CON % | 06/07/2012 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 009 | SETFA | CON % | 06/07/2012 | 02 | P | SETFA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 010 | CHEAL | CON % | 06/07/2012 | 03 | P | CHEAL | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 011 | AMATA | CON % | 06/07/2012 | 04 | P | AMATA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 012 | ABUTH | CON % | 06/07/2012 | 05 | P | ABUTH | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 013 | XANST | CON % | 06/07/2012 | 06 | P | XANST | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 014 | PHBPU | CON % | 06/07/2012 | 07 | P | PHBPU | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 015 | ZEAMD | CON % | 06/20/2012 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 016 | SETFA | CON % | 06/20/2012 | 02 | P | SETFA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 017 | CHEAL | CON % | 06/20/2012 | 03 | P | CHEAL | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 018 | AMATA | CON % | 06/20/2012 | 04 | P | AMATA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 019 | ABUTH | CON % | 06/20/2012 | 05 | P | ABUTH | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 020 | XANST | CON % | 06/20/2012 | 06 | P | XANST | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 021 | PHBPU | CON % | 06/20/2012 | 07 | P | PHBPU | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 022 | YIELD | BU/A | 10/16/2012 | 01 | P | ZEAMD | | RAW | --- | YLD | --- | --- | 1.00 --- | NO | 0001 | 0 | Y |

*** SEE INDIVIDUAL EVALUATION COMMENTS UNDER SPECIFIC TRIAL NOTES**

*** SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)**
01 = N72F3000GT