

SOIL INFORMATION

TRIAL 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

DESIGN: RCB
REPS: 3

| APPL. NUMBER | 01 | 02 | 03 | UNIT |
|--|------------------------|-------------------------------|-------------------------------|------|
| TIMINGS | 09 | 11 | 12 | |
| TYPE | LIQUID MI | LIQUID MI | LIQUID MI | |
| APPLICATION DATE | 04/29/15 | 05/21/15 | 05/28/15 | AME |
| AIR TEMPERATURE | 60 | 68 | 79 | F |
| % REL.HUMIDITY | 42 | 41 | 41 | |
| WIND DIRECTION | NORTH | WEST | EAST | |
| WIND SPEED | 6.0 | 6.0 | 6.0 | M/H |
| CLOUD COVER | CLEAR-0% | PAR.CLOUD | CLEAR-0% | |
| DEW | NO | NO | NO | |
| SOIL MOISTURE | DRY/MOIST | DRY/MOIST | DRY/MOIST | |
| SOIL CONDITION | TO BE SEL | TO BE SEL | TO BE SEL | |
| METHOD | SPRAY | SPRAY | SPRAY | |
| EQUIPMENT | BACKPACK/ | BACKPACK/ | BACKPACK/ | |
| PROPELLANT | COMPRESSE | COMPRESSE | COMPRESSE | |
| PLACEMENT | BROADCAST | BROADCAST | BROADCAST | |
| NOZZLE | FLATFAN | FLATFAN | FLATFAN | |
| NOZZLE DESCRIPTION | | | | |
| 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 | TO BE SEL | TO BE SEL | TO BE SEL | |
| FOLIAGE HEIGHT | | | | FT |
| FOLIAGE WIDTH | | | | FT |
| ROW WIDTH | | | | FT |
| SPRAY VOL LWA/TRV | | | | |
| S VOL LWA/TRV UNIT | | | | |
| LEAF WALL AREA | | | | M2H |
| TREE ROW VOLUME | | | | M3H |
| SPECIE AND STAGE | DEN / STG MIN / MAX | DEN / STG MIN / MAX | DEN / STG MIN / MAX | |
| CROP * | | | | |
| P, CORN, DENT GH G10 D98-3122 (PLANTED) 04/29/2015 | | ---/13 6.00/6.00 22 DAP | ---/15 12.0/12.0 29 DAP | IN |
| PEST * | | | | |
| P, VELVETLEAF | | ---/13 1.00/2.00 | ---/15 3.00/5.00 | IN |
| P, WATERHEMP, COMMO | | ---/18 1.00/2.00 | ---/19 2.00/4.00 | IN |
| P, LAMBSQUARTERS, C | | ---/15 0.50/1.00 | ---/18 1.00/3.00 | IN |
| P, MORNINGGLORY, TA | | ---/11 1.00/2.00 | ---/15 2.00/4.00 | IN |
| P, FOXTAIL, GIANT | | ---/13 1.00/3.00 | ---/15 2.00/6.00 | IN |
| P, COCKLEBUR, COMMO | | ---/13 2.00/4.00 | ---/15 3.00/6.00 | IN |

*** TIMING CODES**

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

*** STAGE CODE**

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
13 = 3 LEAVES UNFOLDED
13 = 3 LEAVES UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5 LEAVES UNFOLDED
15 = 5 LEAVES UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Bayer Corn Herbicide Comparisons for Weed Control in RR/LL Corn. AS-400
CREATED: 04/15/2015 **REVISED:** 07/23/2015 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | | ZEAMD | SETFA | CHEAL | AMATA | ABUTH | PHBPU |
|------------|------------------------|--------|------|----|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | RATE | UNIT | TM | CON % 05/24/15 | CON % 05/24/15 | CON % 05/24/15 | CON % 05/24/15 | CON % 05/24/15 | CON % 05/24/15 |
| 1A» | CORVUS 2.6SC | 0.114 | LAA | 9 | 0 | 84 | 99 | 99 | 99 | 83 |
| B | ATRAZINE DF | 1.50 | LAA | 9 | | | | | | |
| 2A» | ACURON 3.44 ZC | 2.57 | LAA | 9 | 0 | 96 | 99 | 99 | 99 | 80 |
| 3A» | VERDICT 5.57L | 0.78 | LAA | 9 | 0 | 98 | 99 | 99 | 99 | 93 |
| B | ATRAZINE DF | 1.50 | LAA | 9 | | | | | | |
| 4A» | BKFREE NXT ATZ | 2.80 | LAA | 9 | 0 | 99 | 99 | 99 | 96 | 82 |
| B» | PREQUEL 45WG | 0.047 | LAA | 0 | | | | | | |
| C | RESOLVE 25DF | 0.016 | LAA | 9 | | | | | | |
| D» | ISOXAFLUTOLE 7 | 0.031 | LAA | 9 | | | | | | |
| 5A» | RNDUP POWERMAX | 1.125 | LAA | 11 | 0 | C | C | C | C | C |
| B» | CAPRENO 3.45 S | 0.081 | LAA | 11 | | | | | | |
| C | ATRAZINE DF | 1.00 | LAA | 11 | | | | | | |
| D» | LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 6A» | HALEX GT 4.38L | 1.97 | LAA | 11 | 0 | C | C | C | C | C |
| B | ATRAZINE DF | 1.00 | LAA | 11 | | | | | | |
| C» | ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | | |
| D» | LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 7A» | RNDUP POWERMAX | 1.125 | LAA | 11 | 0 | C | C | C | C | C |
| B» | WARRANT 3L | 1.125 | LAA | 11 | | | | | | |
| C | IMPACT 2.8SC | 0.016 | LAA | 11 | | | | | | |
| D | ATRAZINE DF | 0.50 | LAA | 11 | | | | | | |
| E» | MSO | 0.50 | PMV | 11 | | | | | | |
| F» | LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 8A» | ABUNDIT EXTRA | 1.00 | LAA | 11 | 0 | C | C | C | C | C |
| B» | REALM Q | 4.00 | OMA | 0 | | | | | | |
| C | RESOLVE 25DF | 0.0188 | LAA | 11 | | | | | | |
| D» | MESOTRIONE 50W | 0.078 | LAA | 11 | | | | | | |
| E» | ISOXADIFEN-ETH | 0.0094 | LAA | 11 | | | | | | |
| F» | LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 9A» | CORVUS 2.6SC | 0.061 | LAA | 9 | 0 | 78 | 99 | 99 | 99 | 62 |
| B | ATRAZINE DF | 1.00 | LAA | 9 | | | | | | |
| C» | RNDUP POWERMAX | 1.125 | LAA | 12 | | | | | | |
| D» | DIFLEXX 4L | 0.375 | LAA | 12 | | | | | | |
| E» | COC | 1.00 | PMV | 12 | | | | | | |
| F» | LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 10A» | CORVUS 2.6SC | 0.061 | LAA | 9 | 0 | 65 | 99 | 99 | 99 | 60 |
| B» | CAPRENO 3.45 S | 0.081 | LAA | 12 | | | | | | |
| C | ATRAZINE DF | 1.00 | LAA | 12 | | | | | | |
| D» | COC | 1.00 | PMV | 12 | | | | | | |
| E» | LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 11A» | ACURON 3.44 ZC | 1.29 | LAA | 9 | 0 | 93 | 99 | 99 | 99 | 68 |
| B» | HALEX GT 4.38L | 1.97 | LAA | 12 | | | | | | |
| C | ATRAZINE DF | 0.50 | LAA | 12 | | | | | | |
| D» | ACTIVATOR 90 | 0.25 | PMV | 12 | | | | | | |
| E» | LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 12A» | VERDICT 5.57L | 0.696 | LAA | 9 | 0 | 97 | 99 | 99 | 96 | 91 |
| B» | RNDUP POWERMAX | 1.125 | LAA | 12 | | | | | | |
| C» | STATUS 56DG | 0.088 | LAA | 12 | | | | | | |
| D» | ACTIVATOR 90 | 0.25 | PMV | 12 | | | | | | |
| E» | LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 13A» | INSTIGATE | 6.00 | OMA | 0 | 0 | 50 | 99 | 99 | 99 | 70 |
| B | RESOLVE 25DF | 0.016 | LAA | 9 | | | | | | |
| C» | MESOTRIONE 50W | 0.156 | LAA | 9 | | | | | | |
| D | ATRAZINE DF | 1.00 | LAA | 9 | | | | | | |
| E» | REALM Q | 4.00 | OMA | 0 | | | | | | |
| F | RESOLVE 25DF | 0.0188 | LAA | 12 | | | | | | |
| G» | MESOTRIONE 50W | 0.078 | LAA | 12 | | | | | | |

TITLE: Bayer Corn Herbicide Comparisons for Weed Control in RR/LL Corn. AS-400

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | ZEAMD | SETFA | CHEAL | AMATA | ABUTH | PHBPU |
|------------|------------------------|--------------------|---------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | RATE | UNIT TM | CON % 05/24/15 | CON % 05/24/15 | CON % 05/24/15 | CON % 05/24/15 | CON % 05/24/15 | CON % 05/24/15 |
| | H»ISOXADIFEN-ETH | 0.0094 | LAA 12 | | | | | | |
| | I»ABUNDIT EXTRA | 1.00 | LAA 12 | | | | | | |
| | J»LIQUID AMS | 2.50 | PMV 12 | | | | | | |
| 14A» | KEYSTONE NXT 5 | 3.15 | LAA 9 | 0 | 99 | 99 | 99 | 96 | 93 |
| | B»HORNET 68.5WG | 0.171 | LAA 9 | | | | | | |
| | C»DURANGO 4AE | 1.00 | LAA 12 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV 12 | | | | | | |
| 15A | CHECK | 0.00 | NA 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16A | HARNESS XTRA | 2.80 | LAA 9 | 0 | 99 | 99 | 99 | 80 | 72 |
| | B»RNDUP POWERMAX | 1.125 | LAA 12 | | | | | | |
| | C IMPACT 2.8SC | 0.022 | LAA 12 | | | | | | |
| | D ATRAZINE DF | 0.50 | LAA 12 | | | | | | |
| | E»MSO | 0.50 | PMV 12 | | | | | | |
| | F»LIQUID AMS | 2.50 | PMV 12 | | | | | | |
| | | LSD (0.05) | | 0.00 | 7.85 | 0.00 | 0.00 | 4.23 | 10.80 |
| | | STANDARD DEVIATION | | 0.00 | 3.84 | 0.00 | 0.00 | 2.07 | 5.29 |

TITLE: Bayer Corn Herbicide Comparisons for Weed Control in RR/LL Corn. AS-400
CREATED: 04/15/2015 **REVISED:** 07/23/2015 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | | XANST CON % 05/24/15 | ZEAMD CON % 06/06/15 | SETFA CON % 06/06/15 | CHEAL CON % 06/06/15 | AMATA CON % 06/06/15 | ABUTH CON % 06/06/15 |
|------------|------------------------|--------|------|----|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | | RATE | UNIT | TM | | | | | | |
| 1A» | CORVUS 2.6SC | 0.114 | LAA | 9 | 89 | 0 | 70 | 99 | 96 | 99 |
| B | ATRAZINE DF | 1.50 | LAA | 9 | | | | | | |
| 2A» | ACURON 3.44 ZC | 2.57 | LAA | 9 | 86 | 0 | 85 | 99 | 99 | 99 |
| 3A» | VERDICT 5.57L | 0.78 | LAA | 9 | 96 | 0 | 88 | 99 | 99 | 77 |
| B | ATRAZINE DF | 1.50 | LAA | 9 | | | | | | |
| 4A» | BKFREE NXT ATZ | 2.80 | LAA | 9 | 88 | 0 | 94 | 99 | 99 | 99 |
| B» | PREQUEL 45WG | 0.047 | LAA | 0 | | | | | | |
| C | RESOLVE 25DF | 0.016 | LAA | 9 | | | | | | |
| D» | ISOXAFLUTOLE 7 | 0.031 | LAA | 9 | | | | | | |
| 5A» | RNDUP POWERMAX | 1.125 | LAA | 11 | C | 0 | 98 | 99 | 99 | 99 |
| B» | CAPRENO 3.45 S | 0.081 | LAA | 11 | | | | | | |
| C | ATRAZINE DF | 1.00 | LAA | 11 | | | | | | |
| D» | LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 6A» | HALEX GT 4.38L | 1.97 | LAA | 11 | C | 0 | 99 | 99 | 99 | 99 |
| B | ATRAZINE DF | 1.00 | LAA | 11 | | | | | | |
| C» | ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | | |
| D» | LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 7A» | RNDUP POWERMAX | 1.125 | LAA | 11 | C | 0 | 99 | 99 | 99 | 99 |
| B» | WARRANT 3L | 1.125 | LAA | 11 | | | | | | |
| C | IMPACT 2.8SC | 0.016 | LAA | 11 | | | | | | |
| D | ATRAZINE DF | 0.50 | LAA | 11 | | | | | | |
| E» | MSO | 0.50 | PMV | 11 | | | | | | |
| F» | LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 8A» | ABUNDIT EXTRA | 1.00 | LAA | 11 | C | 0 | 96 | 99 | 99 | 99 |
| B» | REALM Q | 4.00 | OMA | 0 | | | | | | |
| C | RESOLVE 25DF | 0.0188 | LAA | 11 | | | | | | |
| D» | MESOTRIONE 50W | 0.078 | LAA | 11 | | | | | | |
| E» | ISOXADIFEN-ETH | 0.0094 | LAA | 11 | | | | | | |
| F» | LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 9A» | CORVUS 2.6SC | 0.061 | LAA | 9 | 72 | 7 | 96 | 99 | 99 | 99 |
| B | ATRAZINE DF | 1.00 | LAA | 9 | | | | | | |
| C» | RNDUP POWERMAX | 1.125 | LAA | 12 | | | | | | |
| D» | DIFLEXX 4L | 0.375 | LAA | 12 | | | | | | |
| E» | COC | 1.00 | PMV | 12 | | | | | | |
| F» | LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 10A» | CORVUS 2.6SC | 0.061 | LAA | 9 | 62 | 13 | 87 | 99 | 99 | 99 |
| B» | CAPRENO 3.45 S | 0.081 | LAA | 12 | | | | | | |
| C | ATRAZINE DF | 1.00 | LAA | 12 | | | | | | |
| D» | COC | 1.00 | PMV | 12 | | | | | | |
| E» | LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 11A» | ACURON 3.44 ZC | 1.29 | LAA | 9 | 78 | 0 | 99 | 99 | 99 | 99 |
| B» | HALEX GT 4.38L | 1.97 | LAA | 12 | | | | | | |
| C | ATRAZINE DF | 0.50 | LAA | 12 | | | | | | |
| D» | ACTIVATOR 90 | 0.25 | PMV | 12 | | | | | | |
| E» | LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 12A» | VERDICT 5.57L | 0.696 | LAA | 9 | 95 | 3 | 99 | 99 | 99 | 99 |
| B» | RNDUP POWERMAX | 1.125 | LAA | 12 | | | | | | |
| C» | STATUS 56DG | 0.088 | LAA | 12 | | | | | | |
| D» | ACTIVATOR 90 | 0.25 | PMV | 12 | | | | | | |
| E» | LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 13A» | INSTIGATE | 6.00 | OMA | 0 | 73 | 0 | 99 | 99 | 99 | 99 |
| B | RESOLVE 25DF | 0.016 | LAA | 9 | | | | | | |
| C» | MESOTRIONE 50W | 0.156 | LAA | 9 | | | | | | |
| D | ATRAZINE DF | 1.00 | LAA | 9 | | | | | | |
| E» | REALM Q | 4.00 | OMA | 0 | | | | | | |
| F | RESOLVE 25DF | 0.0188 | LAA | 12 | | | | | | |
| G» | MESOTRIONE 50W | 0.078 | LAA | 12 | | | | | | |

TITLE: Bayer Corn Herbicide Comparisons for Weed Control in RR/LL Corn. AS-400

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | XANST | ZEAMD | SETFA | CHEAL | AMATA | ABUTH |
|------------|------------------------|--------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | RATE | UNIT TM | CON % 05/24/15 | CON % 06/06/15 | CON % 06/06/15 | CON % 06/06/15 | CON % 06/06/15 | CON % 06/06/15 |
| | H»ISOXADIFEN-ETH | 0.0094 | LAA 12 | | | | | | |
| | I»ABUNDIT EXTRA | 1.00 | LAA 12 | | | | | | |
| | J»LIQUID AMS | 2.50 | PMV 12 | | | | | | |
| 14A» | KEYSTONE NXT 5 | 3.15 | LAA 9 | 97 | 0 | 99 | 99 | 99 | 99 |
| | B»HORNET 68.5WG | 0.171 | LAA 9 | | | | | | |
| | C»DURANGO 4AE | 1.00 | LAA 12 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV 12 | | | | | | |
| 15A | CHECK | 0.00 | NA 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16A | HARNESS XTRA | 2.80 | LAA 9 | 73 | 0 | 99 | 99 | 99 | 99 |
| | B»RNDUP POWERMAX | 1.125 | LAA 12 | | | | | | |
| | C IMPACT 2.8SC | 0.022 | LAA 12 | | | | | | |
| | D ATRAZINE DF | 0.50 | LAA 12 | | | | | | |
| | E»MSO | 0.50 | PMV 12 | | | | | | |
| | F»LIQUID AMS | 2.50 | PMV 12 | | | | | | |
| | | | LSD (0.05) | 8.75 | 3.00 | 4.50 | 0.00 | 2.17 | 4.81 |
| | | | STANDARD DEVIATION | 4.29 | 1.49 | 2.20 | 0.00 | 1.06 | 2.36 |

TITLE: Bayer Corn Herbicide Comparisons for Weed Control in RR/LL Corn. AS-400
CREATED: 04/15/2015 **REVISED:** 07/23/2015 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | | PHBPU CON % | XANST CON % | ZEAMD CON % | SETFA CON % | CHEAL CON % | AMATA CON % |
|------------|------------------------|--------|------|----|----------------|----------------|----------------|----------------|----------------|----------------|
| | | RATE | UNIT | TM | 06/06/15 | 06/06/15 | 06/27/15 | 06/27/15 | 06/27/15 | 06/27/15 |
| 1A» | CORVUS 2.6SC | 0.114 | LAA | 9 | 67 | 75 | 0 | 63 | 99 | 99 |
| B | ATRAZINE DF | 1.50 | LAA | 9 | | | | | | |
| 2A» | ACURON 3.44 ZC | 2.57 | LAA | 9 | 72 | 78 | 0 | 82 | 99 | 99 |
| 3A» | VERDICT 5.57L | 0.78 | LAA | 9 | 83 | 83 | 0 | 72 | 99 | 99 |
| B | ATRAZINE DF | 1.50 | LAA | 9 | | | | | | |
| 4A» | BKFREE NXT ATZ | 2.80 | LAA | 9 | 72 | 73 | 0 | 93 | 99 | 99 |
| B» | PREQUEL 45WG | 0.047 | LAA | 0 | | | | | | |
| C | RESOLVE 25DF | 0.016 | LAA | 9 | | | | | | |
| D» | ISOXAFLUTOLE 7 | 0.031 | LAA | 9 | | | | | | |
| 5A» | RNDUP POWERMAX | 1.125 | LAA | 11 | 99 | 98 | 0 | 93 | 99 | 99 |
| B» | CAPRENO 3.45 S | 0.081 | LAA | 11 | | | | | | |
| C | ATRAZINE DF | 1.00 | LAA | 11 | | | | | | |
| D» | LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 6A» | HALEX GT 4.38L | 1.97 | LAA | 11 | 99 | 99 | 0 | 97 | 99 | 99 |
| B | ATRAZINE DF | 1.00 | LAA | 11 | | | | | | |
| C» | ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | | |
| D» | LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 7A» | RNDUP POWERMAX | 1.125 | LAA | 11 | 98 | 96 | 0 | 97 | 99 | 99 |
| B» | WARRANT 3L | 1.125 | LAA | 11 | | | | | | |
| C | IMPACT 2.8SC | 0.016 | LAA | 11 | | | | | | |
| D | ATRAZINE DF | 0.50 | LAA | 11 | | | | | | |
| E» | MSO | 0.50 | PMV | 11 | | | | | | |
| F» | LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 8A» | ABUNDIT EXTRA | 1.00 | LAA | 11 | 94 | 94 | 0 | 93 | 99 | 99 |
| B» | REALM Q | 4.00 | OMA | 0 | | | | | | |
| C | RESOLVE 25DF | 0.0188 | LAA | 11 | | | | | | |
| D» | MESOTRIONE 50W | 0.078 | LAA | 11 | | | | | | |
| E» | ISOXADIFEN-ETH | 0.0094 | LAA | 11 | | | | | | |
| F» | LIQUID AMS | 2.50 | PMV | 11 | | | | | | |
| 9A» | CORVUS 2.6SC | 0.061 | LAA | 9 | 99 | 99 | 0 | 93 | 99 | 99 |
| B | ATRAZINE DF | 1.00 | LAA | 9 | | | | | | |
| C» | RNDUP POWERMAX | 1.125 | LAA | 12 | | | | | | |
| D» | DIFLEXX 4L | 0.375 | LAA | 12 | | | | | | |
| E» | COC | 1.00 | PMV | 12 | | | | | | |
| F» | LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 10A» | CORVUS 2.6SC | 0.061 | LAA | 9 | 99 | 99 | 0 | 83 | 99 | 99 |
| B» | CAPRENO 3.45 S | 0.081 | LAA | 12 | | | | | | |
| C | ATRAZINE DF | 1.00 | LAA | 12 | | | | | | |
| D» | COC | 1.00 | PMV | 12 | | | | | | |
| E» | LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 11A» | ACURON 3.44 ZC | 1.29 | LAA | 9 | 99 | 99 | 0 | 99 | 99 | 99 |
| B» | HALEX GT 4.38L | 1.97 | LAA | 12 | | | | | | |
| C | ATRAZINE DF | 0.50 | LAA | 12 | | | | | | |
| D» | ACTIVATOR 90 | 0.25 | PMV | 12 | | | | | | |
| E» | LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 12A» | VERDICT 5.57L | 0.696 | LAA | 9 | 99 | 99 | 0 | 98 | 99 | 99 |
| B» | RNDUP POWERMAX | 1.125 | LAA | 12 | | | | | | |
| C» | STATUS 56DG | 0.088 | LAA | 12 | | | | | | |
| D» | ACTIVATOR 90 | 0.25 | PMV | 12 | | | | | | |
| E» | LIQUID AMS | 2.50 | PMV | 12 | | | | | | |
| 13A» | INSTIGATE | 6.00 | OMA | 0 | 99 | 99 | 0 | 90 | 99 | 99 |
| B | RESOLVE 25DF | 0.016 | LAA | 9 | | | | | | |
| C» | MESOTRIONE 50W | 0.156 | LAA | 9 | | | | | | |
| D | ATRAZINE DF | 1.00 | LAA | 9 | | | | | | |
| E» | REALM Q | 4.00 | OMA | 0 | | | | | | |
| F | RESOLVE 25DF | 0.0188 | LAA | 12 | | | | | | |
| G» | MESOTRIONE 50W | 0.078 | LAA | 12 | | | | | | |

TITLE: Bayer Corn Herbicide Comparisons for Weed Control in RR/LL Corn. AS-400

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | PHBPU | XANST | ZEAMD | SETFA | CHEAL | AMATA |
|------------|------------------------|--------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | RATE | UNIT TM | CON % 06/06/15 | CON % 06/06/15 | CON % 06/27/15 | CON % 06/27/15 | CON % 06/27/15 | CON % 06/27/15 |
| | H»ISOXADIFEN-ETH | 0.0094 | LAA 12 | | | | | | |
| | I»ABUNDIT EXTRA | 1.00 | LAA 12 | | | | | | |
| | J»LIQUID AMS | 2.50 | PMV 12 | | | | | | |
| 14A» | KEYSTONE NXT 5 | 3.15 | LAA 9 | 99 | 99 | 0 | 99 | 99 | 99 |
| | B»HORNET 68.5WG | 0.171 | LAA 9 | | | | | | |
| | C»DURANGO 4AE | 1.00 | LAA 12 | | | | | | |
| | D»LIQUID AMS | 2.50 | PMV 12 | | | | | | |
| 15A | CHECK | 0.00 | NA 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16A | HARNESS XTRA | 2.80 | LAA 9 | 99 | 99 | 0 | 99 | 99 | 99 |
| | B»RNDUP POWERMAX | 1.125 | LAA 12 | | | | | | |
| | C IMPACT 2.8SC | 0.022 | LAA 12 | | | | | | |
| | D ATRAZINE DF | 0.50 | LAA 12 | | | | | | |
| | E»MSO | 0.50 | PMV 12 | | | | | | |
| | F»LIQUID AMS | 2.50 | PMV 12 | | | | | | |
| | | | LSD (0.05) | 5.88 | 4.27 | 0.00 | 4.00 | 0.00 | 0.00 |
| | | | STANDARD DEVIATION | 2.88 | 2.09 | 0.00 | 2.00 | 0.00 | 0.00 |

TITLE: Bayer Corn Herbicide Comparisons for Weed Control in RR/LL Corn. AS-400
CREATED: 04/15/2015 **REVISED:** 07/23/2015 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 03

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | | ABUTH | PHBPU | XANST |
|------------|------------------------|--------|------|----|-------------------|-------------------|-------------------|
| | | RATE | UNIT | TM | CON % 06/27/15 | CON % 06/27/15 | CON % 06/27/15 |
| 1A | CORVUS 2.6SC | 0.114 | LAA | 9 | 99 | 37 | 40 |
| B | ATRAZINE DF | 1.50 | LAA | 9 | | | |
| 2A | ACURON 3.44 ZC | 2.57 | LAA | 9 | 99 | 53 | 53 |
| 3A | VERDICT 5.57L | 0.78 | LAA | 9 | 70 | 55 | 50 |
| B | ATRAZINE DF | 1.50 | LAA | 9 | | | |
| 4A | BKFREE NXT ATZ | 2.80 | LAA | 9 | 99 | 63 | 53 |
| B | PREQUEL 45WG | 0.047 | LAA | 0 | | | |
| C | RESOLVE 25DF | 0.016 | LAA | 9 | | | |
| D | ISOXAFLUTOLE 7 | 0.031 | LAA | 9 | | | |
| 5A | RNDUP POWERMAX | 1.125 | LAA | 11 | 99 | 85 | 80 |
| B | CAPRENO 3.45 S | 0.081 | LAA | 11 | | | |
| C | ATRAZINE DF | 1.00 | LAA | 11 | | | |
| D | LIQUID AMS | 2.50 | PMV | 11 | | | |
| 6A | HALEX GT 4.38L | 1.97 | LAA | 11 | 99 | 94 | 93 |
| B | ATRAZINE DF | 1.00 | LAA | 11 | | | |
| C | ACTIVATOR 90 | 0.25 | PMV | 11 | | | |
| D | LIQUID AMS | 2.50 | PMV | 11 | | | |
| 7A | RNDUP POWERMAX | 1.125 | LAA | 11 | 99 | 87 | 85 |
| B | WARRANT 3L | 1.125 | LAA | 11 | | | |
| C | IMPACT 2.8SC | 0.016 | LAA | 11 | | | |
| D | ATRAZINE DF | 0.50 | LAA | 11 | | | |
| E | MSO | 0.50 | PMV | 11 | | | |
| F | LIQUID AMS | 2.50 | PMV | 11 | | | |
| 8A | ABUNDIT EXTRA | 1.00 | LAA | 11 | 99 | 86 | 82 |
| B | REALM Q | 4.00 | OMA | 0 | | | |
| C | RESOLVE 25DF | 0.0188 | LAA | 11 | | | |
| D | MESOTRIONE 50W | 0.078 | LAA | 11 | | | |
| E | ISOXADIFEN-ETH | 0.0094 | LAA | 11 | | | |
| F | LIQUID AMS | 2.50 | PMV | 11 | | | |
| 9A | CORVUS 2.6SC | 0.061 | LAA | 9 | 99 | 94 | 93 |
| B | ATRAZINE DF | 1.00 | LAA | 9 | | | |
| C | RNDUP POWERMAX | 1.125 | LAA | 12 | | | |
| D | DIFLEXX 4L | 0.375 | LAA | 12 | | | |
| E | COC | 1.00 | PMV | 12 | | | |
| F | LIQUID AMS | 2.50 | PMV | 12 | | | |
| 10A | CORVUS 2.6SC | 0.061 | LAA | 9 | 99 | 92 | 92 |
| B | CAPRENO 3.45 S | 0.081 | LAA | 12 | | | |
| C | ATRAZINE DF | 1.00 | LAA | 12 | | | |
| D | COC | 1.00 | PMV | 12 | | | |
| E | LIQUID AMS | 2.50 | PMV | 12 | | | |
| 11A | ACURON 3.44 ZC | 1.29 | LAA | 9 | 99 | 96 | 97 |
| B | HALEX GT 4.38L | 1.97 | LAA | 12 | | | |
| C | ATRAZINE DF | 0.50 | LAA | 12 | | | |
| D | ACTIVATOR 90 | 0.25 | PMV | 12 | | | |
| E | LIQUID AMS | 2.50 | PMV | 12 | | | |
| 12A | VERDICT 5.57L | 0.696 | LAA | 9 | 99 | 97 | 97 |
| B | RNDUP POWERMAX | 1.125 | LAA | 12 | | | |
| C | STATUS 56DG | 0.088 | LAA | 12 | | | |
| D | ACTIVATOR 90 | 0.25 | PMV | 12 | | | |
| E | LIQUID AMS | 2.50 | PMV | 12 | | | |
| 13A | INSTIGATE | 6.00 | OMA | 0 | 99 | 95 | 97 |
| B | RESOLVE 25DF | 0.016 | LAA | 9 | | | |
| C | MESOTRIONE 50W | 0.156 | LAA | 9 | | | |
| D | ATRAZINE DF | 1.00 | LAA | 9 | | | |
| E | REALM Q | 4.00 | OMA | 0 | | | |
| F | RESOLVE 25DF | 0.0188 | LAA | 12 | | | |
| G | MESOTRIONE 50W | 0.078 | LAA | 12 | | | |

TITLE: Bayer Corn Herbicide Comparisons for Weed Control in RR/LL Corn. AS-400

| TRT NUM | TREATMENT COMPONENT | DOSAGE RATE | UNIT | TM | ABUTH CON % 06/27/15 | PHBPU CON % 06/27/15 | XANST CON % 06/27/15 |
|--------------------|------------------------|----------------|------|----|----------------------------|----------------------------|----------------------------|
| H> | ISOXADIFEN-ETH | 0.0094 | LAA | 12 | | | |
| I> | ABUNDIT EXTRA | 1.00 | LAA | 12 | | | |
| J> | LIQUID AMS | 2.50 | PMV | 12 | | | |
| 14A> | KEYSTONE NXT 5 | 3.15 | LAA | 9 | 99 | 92 | 95 |
| B> | HORNET 68.5WG | 0.171 | LAA | 9 | | | |
| C> | DURANGO 4AE | 1.00 | LAA | 12 | | | |
| D> | LIQUID AMS | 2.50 | PMV | 12 | | | |
| 15A | CHECK | 0.00 | NA | 0 | 0 | 0 | 0 |
| 16A | HARNESS XTRA | 2.80 | LAA | 9 | 99 | 93 | 93 |
| B> | RNDUP POWERMAX | 1.125 | LAA | 12 | | | |
| C | IMPACT 2.8SC | 0.022 | LAA | 12 | | | |
| D | ATRAZINE DF | 0.50 | LAA | 12 | | | |
| E> | MISO | 0.50 | PMV | 12 | | | |
| F> | LIQUID AMS | 2.50 | PMV | 12 | | | |
| LSD (0.05) | | | | | 4.17 | 6.74 | 9.00 |
| STANDARD DEVIATION | | | | | 2.00 | 3.30 | 4.40 |

>> = SUPPLEMENTAL CHEMICAL

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

* TIMING CODES

- 00 = --- / UNTREATED TIMING
- 09 = --- / PREEMERGENCE 04/29/2015(1)
- 11 = --- / EPOST 05/21/2015(2)
- 12 = --- / POST 05/28/2015(3)

| H# | CUSTOM#1 | CUSTOM#2 | EV.DATE | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS | C.M | CTRTR | SS | NOTE |
|-----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|-------|----|------|
| 001 | ZEAMD | CON % | 05/24/2015 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 002 | SETFA | CON % | 05/24/2015 | 02 | P | SETFA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 003 | CHEAL | CON % | 05/24/2015 | 03 | P | CHEAL | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 004 | AMATA | CON % | 05/24/2015 | 04 | P | AMATA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 005 | ABUTH | CON % | 05/24/2015 | 05 | P | ABUTH | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 006 | PHBPU | CON % | 05/24/2015 | 06 | P | PHBPU | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 007 | XANST | CON % | 05/24/2015 | 07 | P | XANST | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 008 | ZEAMD | CON % | 06/06/2015 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 009 | SETFA | CON % | 06/06/2015 | 02 | P | SETFA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 010 | CHEAL | CON % | 06/06/2015 | 03 | P | CHEAL | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 011 | AMATA | CON % | 06/06/2015 | 04 | P | AMATA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 012 | ABUTH | CON % | 06/06/2015 | 05 | P | ABUTH | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 013 | PHBPU | CON % | 06/06/2015 | 06 | P | PHBPU | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 014 | XANST | CON % | 06/06/2015 | 07 | P | XANST | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 015 | ZEAMD | CON % | 06/27/2015 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 016 | SETFA | CON % | 06/27/2015 | 02 | P | SETFA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 017 | CHEAL | CON % | 06/27/2015 | 03 | P | CHEAL | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 018 | AMATA | CON % | 06/27/2015 | 04 | P | AMATA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 019 | ABUTH | CON % | 06/27/2015 | 05 | P | ABUTH | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 020 | PHBPU | CON % | 06/27/2015 | 06 | P | PHBPU | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 021 | XANST | CON % | 06/27/2015 | 07 | P | XANST | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |

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

01 = GH G10 D98-3122