

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.7
 %OM: 1.5
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 10 X 25 FEET

DESIGN: RCB
 REPS: 3

| APPL. NUMBER | 01 | 02 | 03 | UNIT |
|--------------------|-----------|-----------|-----------|------|
| TIMINGS | 09 | 11 | 12 | |
| TYPE | LIQMXSPR | LIQMXSPR | LIQMXSPR | |
| APPLICATION DATE | 05/22/00 | 06/15/00 | 06/23/00 | AME |
| AIR TEMPERATURE | 83 | 85 | 93 | F |
| % REL.HUMIDITY | 95 | 70 | 90 | |
| WIND DIRECTION | WEST | SOUTHWEST | SOUTH | |
| WIND SPEED | 2.0 | 9.0 | 2.0 | M/H |
| CLOUD COVER | CLOUDY | PARTCLDY | CLEAR | |
| DEW | --- | NO | NO | |
| SOIL MOISTURE | DRY/MOIST | MOIST/MOI | MOIST/MOI | |
| SOIL CONDITION | --- | --- | --- | |
| METHOD | SPRAY | SPRAY | SPRAY | |
| EQUIPMENT | SPRBAC | SPRBAC | SPRBAC | |
| PROPELLANT | COMPRSCO2 | COMPRSCO2 | COMPRSCO2 | |
| PLACEMENT | BROADCAST | BROADCAST | BROADCAST | |
| NOZZLE | FLATFAN | FLATFAN | FLATFAN | |
| NOZZLE NUMBER | 6 | 6 | 6 | |
| NOZZLE SPACING | 20.000 | 20.000 | 20.000 | IN |
| SWATH WIDTH | 10.0 | 10.0 | 10.0 | FT |
| SPRAY VOLUME | 20.00 | 20.00 | 20.00 | |
| VOLUME UNIT | GPA | GPA | GPA | |
| PRESSURE | 32.00 | 32.00 | 32.00 | 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 | | ---/ | ---/ | |
| 05/08/2000 | | 12.0/12.0 | 18.0/18.0 | IN |
| *** PEST *** | | | | |
| WATERHEMP, COMMO | | ---/17 | ---/19 | |
| | | 4.00/4.00 | 7.00/7.00 | IN |
| PANICUM, FALL | | ---/11 | ---/13 | |
| | | 2.00/2.00 | 4.00/4.00 | IN |

* TIMING CODES

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

* STAGE CODE

11 = FIRST LEAF UNFOLDED
 13 = 3 LEAVES UNFOLDED
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: BCAFYSYS AEF EXP SYSTEMS FOR WEED CONTROL IN CORN
CREATED: 05/19/2000 **REVISED:** 11/08/2001 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: BROWNSTOWN **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 25.00 FT **LONG** **REPS:** 03

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | TM | ZEAMD | PANDI | AMATA | ZEAMD | PANDI | AMATA |
|------------|------------------------|--------|------|----|----------|----------|----------|----------|----------|----------|
| | | RATE | UNIT | | 06/23/00 | 06/23/00 | 06/23/00 | 07/05/00 | 07/05/00 | 07/05/00 |
| 1A | ACCENT 75WG | 0.031 | LAA | 11 | 0 | 96 | 0 | 2 | 98 | 37 |
| | B»COC | 1.00 | PMV | 11 | | | | | | |
| | C 28% UAN | 2.50 | PMV | 11 | | | | | | |
| 2A» | OPTION 35WDG | 0.055 | LAA | 11 | 0 | 99 | 0 | 0 | 98 | 52 |
| | B»MSO | 0.94 | PMV | 11 | | | | | | |
| | C 28% UAN | 2.50 | PMV | 11 | | | | | | |
| 3A» | AEF 130360-2 6 | 0.048 | LAA | 11 | 0 | 99 | 0 | 7 | 98 | 35 |
| | B»MSO | 0.94 | PMV | 11 | | | | | | |
| | C 28% UAN | 2.50 | PMV | 11 | | | | | | |
| 4A» | BASIS GOLD 90D | 0.79 | LAA | 11 | 0 | 99 | 96 | 0 | 99 | 91 |
| | B»COC | 1.00 | PMV | 11 | | | | | | |
| | C 28% UAN | 2.50 | PMV | 11 | | | | | | |
| 5A | CHECK | 0.00 | NA | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6A» | OPTION 35WDG | 0.055 | LAA | 11 | 0 | 94 | 83 | 0 | 93 | 85 |
| | B ATRAZINE DF | 1.00 | LAA | 11 | | | | | | |
| | C»COC | 0.94 | PMV | 11 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 11 | | | | | | |
| 7A» | OPTION 35WDG | 0.055 | LAA | 11 | 0 | 91 | 76 | 3 | 87 | 65 |
| | B CLARITY | 0.188 | LAA | 11 | | | | | | |
| | C»ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 11 | | | | | | |
| 8A» | OPTION 35WDG | 0.055 | LAA | 11 | 0 | 93 | 87 | 7 | 94 | 95 |
| | B»DISTINCT 70WG | 0.175 | LAA | 11 | | | | | | |
| | C»ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 11 | | | | | | |
| 9A» | OPTION 35WDG | 0.055 | LAA | 11 | 7 | 90 | 99 | 5 | 94 | 87 |
| | B»AIM 40 DF | 0.008 | LAA | 11 | | | | | | |
| | C»ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 11 | | | | | | |
| 10A» | LEADOFF 5SE | 0.94 | LAA | 9 | 0 | 81 | 96 | 5 | 98 | 98 |
| | B»BASIS GOLD 90D | 0.79 | LAA | 12 | | | | | | |
| | C»COC | 1.00 | PMV | 12 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 11A | ATRAZINE DF | 2.00 | LAA | 9 | 0 | 93 | 93 | 2 | 98 | 94 |
| | B»OPTION 35WDG | 0.055 | LAA | 12 | | | | | | |
| | C»COC | 0.94 | PMV | 12 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 12A» | BALANCE 75WG | 0.07 | LAA | 9 | 0 | 99 | 88 | 0 | 99 | 81 |
| | B»OPTION 35WDG | 0.055 | LAA | 12 | | | | | | |
| | C»COC | 0.94 | PMV | 12 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 13A» | DUAL II MAGNUM | 1.58 | LAA | 9 | 0 | 99 | 95 | 3 | 99 | 85 |
| | B»OPTION 35WDG | 0.055 | LAA | 12 | | | | | | |
| | C»COC | 0.94 | PMV | 12 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 14A» | AEF 130360-2 6 | 0.048 | LAA | 11 | 0 | 96 | 92 | 2 | 96 | 81 |
| | B CLARITY | 0.188 | LAA | 11 | | | | | | |
| | C»ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 11 | | | | | | |
| 15A» | AEF 130360-2 6 | 0.048 | LAA | 11 | 0 | 96 | 91 | 0 | 96 | 98 |
| | B»DISTINCT 70WG | 0.175 | LAA | 11 | | | | | | |
| | C»ACTIVATOR 90 | 0.25 | PMV | 11 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 11 | | | | | | |

TITLE: BCAEFSYS AEF EXP SYSTEMS FOR WEED CONTROL IN CORN

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | ZEAMD 06/23/00 | PANDI 06/23/00 | AMATA 06/23/00 | ZEAMD 07/05/00 | PANDI 07/05/00 | AMATA 07/05/00 |
|------------|------------------------|--------------------|---------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | RATE | UNIT TM | | | | | | |
| 16A» | AEF 130360-2 6 | 0.048 | LAA 11 | 7 | 99 | 98 | 3 | 94 | 91 |
| | B»AIM 40 DF | 0.008 | LAA 11 | | | | | | |
| | C»ACTIVATOR 90 | 0.25 | PMV 11 | | | | | | |
| | D 28% UAN | 2.50 | PMV 11 | | | | | | |
| 17A» | AEF 130360-2 6 | 0.048 | LAA 11 | 0 | 93 | 89 | 0 | 97 | 95 |
| | B ATRAZINE DF | 1.00 | LAA 11 | | | | | | |
| | C»COC | 0.94 | PMV 11 | | | | | | |
| | D 28% UAN | 2.50 | PMV 11 | | | | | | |
| 18A | ATRAZINE DF | 2.00 | LAA 9 | 0 | 90 | 99 | 7 | 98 | 97 |
| | B»AEF 130360-2 6 | 0.048 | LAA 12 | | | | | | |
| | C»COC | 0.94 | PMV 12 | | | | | | |
| | D 28% UAN | 2.50 | PMV 12 | | | | | | |
| 19A» | BALANCE 75WG | 0.07 | LAA 9 | 0 | 99 | 97 | 10 | 99 | 82 |
| | B»AEF 130360-2 6 | 0.048 | LAA 12 | | | | | | |
| | C»COC | 0.94 | PMV 12 | | | | | | |
| | D 28% UAN | 2.50 | PMV 12 | | | | | | |
| 20A» | DUAL II MAGNUM | 1.58 | LAA 9 | 0 | 91 | 94 | 0 | 98 | 96 |
| | B»AEF 130360-2 6 | 0.048 | LAA 12 | | | | | | |
| | C»COC | 0.94 | PMV 12 | | | | | | |
| | D 28% UAN | 2.50 | PMV 12 | | | | | | |
| 21A» | IL 0300 | 0.0275 | LAA 11 | 0 | 96 | 0 | 0 | 99 | 27 |
| | B»MSO | 0.94 | PMV 11 | | | | | | |
| | C 28% UAN | 2.50 | PMV 11 | | | | | | |
| 22A» | HAND WEEDED | 0.00 | NA 0 | 0 | 99 | 99 | 0 | 99 | 99 |
| | B»BICEP II MAGNU | 2.89 | LAA 9 | | | | | | |
| | | LSD (0.05) | | 1.39 | 12.35 | 11.81 | 7.41 | 6.86 | 16.50 |
| | | STANDARD DEVIATION | | 0.694 | 6.18 | 5.91 | 3.71 | 3.43 | 8.25 |

TITLE: BCAFYSYS AEF EXP SYSTEMS FOR WEED CONTROL IN CORN
CREATED: 05/19/2000 **REVISED:** 11/08/2001 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: BROWNSTOWN **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 25.00 FT **LONG** **REPS:** 03

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | TM | ZEAMD | PANDI | AMATA |
|------------|------------------------|--------|--------|----|----------|----------|----------|
| | | RATE | UNIT | | 07/18/00 | 07/18/00 | 07/18/00 |
| 1A | ACCENT 75WG | 0.031 | LAA 11 | | 0 | 99 | 0 |
| | B»COC | 1.00 | PMV 11 | | | | |
| | C 28% UAN | 2.50 | PMV 11 | | | | |
| 2A» | OPTION 35WDG | 0.055 | LAA 11 | | 0 | 98 | 0 |
| | B»MSO | 0.94 | PMV 11 | | | | |
| | C 28% UAN | 2.50 | PMV 11 | | | | |
| 3A» | AEF 130360-2 6 | 0.048 | LAA 11 | | 0 | 98 | 27 |
| | B»MSO | 0.94 | PMV 11 | | | | |
| | C 28% UAN | 2.50 | PMV 11 | | | | |
| 4A» | BASIS GOLD 90D | 0.79 | LAA 11 | | 0 | 96 | 94 |
| | B»COC | 1.00 | PMV 11 | | | | |
| | C 28% UAN | 2.50 | PMV 11 | | | | |
| 5A | CHECK | 0.00 | NA 0 | | 0 | 0 | 0 |
| 6A» | OPTION 35WDG | 0.055 | LAA 11 | | 0 | 93 | 94 |
| | B ATRAZINE DF | 1.00 | LAA 11 | | | | |
| | C»COC | 0.94 | PMV 11 | | | | |
| | D 28% UAN | 2.50 | PMV 11 | | | | |
| 7A» | OPTION 35WDG | 0.055 | LAA 11 | | 0 | 84 | 72 |
| | B CLARITY | 0.188 | LAA 11 | | | | |
| | C»ACTIVATOR 90 | 0.25 | PMV 11 | | | | |
| | D 28% UAN | 2.50 | PMV 11 | | | | |
| 8A» | OPTION 35WDG | 0.055 | LAA 11 | | 0 | 98 | 90 |
| | B»DISTINCT 70WG | 0.175 | LAA 11 | | | | |
| | C»ACTIVATOR 90 | 0.25 | PMV 11 | | | | |
| | D 28% UAN | 2.50 | PMV 11 | | | | |
| 9A» | OPTION 35WDG | 0.055 | LAA 11 | | 0 | 96 | 88 |
| | B»AIM 40 DF | 0.008 | LAA 11 | | | | |
| | C»ACTIVATOR 90 | 0.25 | PMV 11 | | | | |
| | D 28% UAN | 2.50 | PMV 11 | | | | |
| 10A» | LEADOFF 5SE | 0.94 | LAA 9 | | 0 | 98 | 96 |
| | B»BASIS GOLD 90D | 0.79 | LAA 12 | | | | |
| | C»COC | 1.00 | PMV 12 | | | | |
| | D 28% UAN | 2.50 | PMV 12 | | | | |
| 11A | ATRAZINE DF | 2.00 | LAA 9 | | 0 | 90 | 96 |
| | B»OPTION 35WDG | 0.055 | LAA 12 | | | | |
| | C»COC | 0.94 | PMV 12 | | | | |
| | D 28% UAN | 2.50 | PMV 12 | | | | |
| 12A» | BALANCE 75WG | 0.07 | LAA 9 | | 0 | 97 | 93 |
| | B»OPTION 35WDG | 0.055 | LAA 12 | | | | |
| | C»COC | 0.94 | PMV 12 | | | | |
| | D 28% UAN | 2.50 | PMV 12 | | | | |
| 13A» | DUAL II MAGNUM | 1.58 | LAA 9 | | 0 | 94 | 98 |
| | B»OPTION 35WDG | 0.055 | LAA 12 | | | | |
| | C»COC | 0.94 | PMV 12 | | | | |
| | D 28% UAN | 2.50 | PMV 12 | | | | |
| 14A» | AEF 130360-2 6 | 0.048 | LAA 11 | | 0 | 95 | 92 |
| | B CLARITY | 0.188 | LAA 11 | | | | |
| | C»ACTIVATOR 90 | 0.25 | PMV 11 | | | | |
| | D 28% UAN | 2.50 | PMV 11 | | | | |
| 15A» | AEF 130360-2 6 | 0.048 | LAA 11 | | 0 | 97 | 98 |
| | B»DISTINCT 70WG | 0.175 | LAA 11 | | | | |
| | C»ACTIVATOR 90 | 0.25 | PMV 11 | | | | |
| | D 28% UAN | 2.50 | PMV 11 | | | | |

TITLE: BCAFESYS AEF EXP SYSTEMS FOR WEED CONTROL IN CORN

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | ZEAMD TM | PANDI 07/18/00 | AMATA 07/18/00 |
|--------------------|------------------------|--------|--------|-------------|-------------------|-------------------|
| | | RATE | UNIT | | | |
| 16A | »AEF 130360-2 6 | 0.048 | LAA 11 | | 0 | 91 |
| | B»AIM 40 DF | 0.008 | LAA 11 | | | |
| | C»ACTIVATOR 90 | 0.25 | PMV 11 | | | |
| | D 28% UAN | 2.50 | PMV 11 | | | |
| 17A | »AEF 130360-2 6 | 0.048 | LAA 11 | | 0 | 98 |
| | B ATRAZINE DF | 1.00 | LAA 11 | | | |
| | C»COC | 0.94 | PMV 11 | | | |
| | D 28% UAN | 2.50 | PMV 11 | | | |
| 18A | ATRAZINE DF | 2.00 | LAA 9 | | 0 | 99 |
| | B»AEF 130360-2 6 | 0.048 | LAA 12 | | | |
| | C»COC | 0.94 | PMV 12 | | | |
| | D 28% UAN | 2.50 | PMV 12 | | | |
| 19A | »BALANCE 75WG | 0.07 | LAA 9 | | 0 | 98 |
| | B»AEF 130360-2 6 | 0.048 | LAA 12 | | | |
| | C»COC | 0.94 | PMV 12 | | | |
| | D 28% UAN | 2.50 | PMV 12 | | | |
| 20A | »DUAL II MAGNUM | 1.58 | LAA 9 | | 0 | 96 |
| | B»AEF 130360-2 6 | 0.048 | LAA 12 | | | |
| | C»COC | 0.94 | PMV 12 | | | |
| | D 28% UAN | 2.50 | PMV 12 | | | |
| 21A | »IL 0300 | 0.0275 | LAA 11 | | 0 | 97 |
| | B»MSO | 0.94 | PMV 11 | | | |
| | C 28% UAN | 2.50 | PMV 11 | | | |
| 22A | »HAND WEEDED | 0.00 | NA 0 | | 0 | 99 |
| | B»BICEP II MAGNU | 2.89 | LAA 9 | | | |
| LSD (0.05) | | | | | 0.00 | 7.56 |
| STANDARD DEVIATION | | | | | 0.00 | 3.78 |
| | | | | | | 19.30 |
| | | | | | | 9.65 |

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

- 00 = ----- / UNTREATED TIMING
- 09 = ----- / PREEMERGENCE 05/22/2000 (1)
- 11 = ----- / EPOST 06/15/2000 (2)
- 12 = ----- / POST 06/23/2000 (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 | | 06/23/2000 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 002 | PANDI | | 06/23/2000 | 02 | P | PANDI | 13 | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 003 | AMATA | | 06/23/2000 | 03 | P | AMATA | 19 | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 004 | ZEAMD | | 07/05/2000 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 005 | PANDI | | 07/05/2000 | 02 | P | PANDI | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 006 | AMATA | | 07/05/2000 | 03 | P | AMATA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 007 | ZEAMD | | 07/18/2000 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 008 | PANDI | | 07/18/2000 | 02 | P | PANDI | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 009 | AMATA | | 07/18/2000 | 03 | P | AMATA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |

* STAGE CODE

- 13 = 3 LEAVES UNFOLDED
- 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED