

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 | UNIT |
|---|--------------------|------|
| TIMINGS | 09 | |
| TYPE | LIQMXSPR | |
| APPLICATION DATE | 05/01/01 | AME |
| AIR TEMPERATURE | 80 | F |
| % REL. HUMIDITY | 34 | |
| WIND DIRECTION | SOUTHWEST | |
| WIND SPEED | 12.0 | M/H |
| CLOUD COVER | PARTCLDY | |
| DEW | DRY | |
| SOIL MOISTURE | DRY/MOIST | |
| SOIL CONDITION | FRIABLE | |
| METHOD | SPRAY | |
| EQUIPMENT | BACKPACKS | |
| PROPELLANT | COMPRSCO2 | |
| PLACEMENT | BROADCAST | |
| NOZZLE | FLATFAN | |
| NOZZLE NUMBER | 6 | |
| NOZZLE SPACING | 20.000 | IN |
| SWATH WIDTH | 10.0 | FT |
| SPRAY VOLUME | 20.00 | |
| VOLUME UNIT | GPA | |
| PRESSURE | 32.00 | PSI |
| DILUENT | WATER | |
| INC. DATE | | AME |
| INC. START | | 24H |
| INC. END | | 24H |
| INC. DEPTH | | IN |
| INC. EQUIPMENT | --- | |
| | DN/SG/MMZ | |
| *** PEST *** | | |
| VELVETLEAF | NA/01 0.00/0.00 | IN |
| RAGWEED, GIANT | NA/01 0.00/0.00 | IN |
| LAMBSQUARTERS, C | NA/01 0.00/0.00 | IN |
| FOXTAIL, GIANT | NA/01 0.00/0.00 | IN |
| CORN, DENT PIONEER 33G26 04/28/2001 | NA/01 0.00/0.00 | IN |

* TIMING CODES

09 = ----- / PREEMERGENCE

* STAGE CODE

01 = BEGINNING OF IMBIBITION

DATA MEAN

TITLE: Dekalb Corn Preemergence Systems SW-1600
CREATED: 04/05/2001 **REVISED:** 11/06/2001 **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 | | | ZEAMD CON % 05/29/01 | SETFA CON % 05/29/01 | AMBTR CON % 05/29/01 | ABUTH CON % 05/29/01 | CHEAL CON % 05/29/01 | ZEAMD CON % 07/02/01 |
|------------|------------------------|--------|------|----|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | | RATE | UNIT | TM | | | | | | |
| 1A | BICEP II MAGNU | 3.30 | LAA | 9 | 0 | 67 | 66 | 53 | 80 | 0 |
| 2A | BICEP II MAGNU | 3.58 | LAA | 9 | 0 | 78 | 92 | 65 | 87 | 0 |
| 3A | HARNES XTRA | 3.50 | LAA | 9 | 0 | 90 | 62 | 55 | 95 | 0 |
| 4A | GUARDS MAX 5L | 2.81 | LAA | 9 | 0 | 87 | 65 | 72 | 92 | 0 |
| 5A | LEADOFF | 3.13 | LAA | 9 | 0 | 82 | 63 | 63 | 88 | 0 |
| 6A | CHECK | 0.00 | NA | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7A | AXIOM | 0.81 | LAA | 9 | 0 | 82 | 82 | 77 | 88 | 0 |
| | B ATRAZINE DF | 1.50 | LAA | 9 | | | | | | |
| 8A | FULTIME 4SC | 3.25 | LAA | 9 | 0 | 85 | 68 | 37 | 80 | 0 |
| 9A | DEGREE XTRA 4S | 3.23 | LAA | 9 | 0 | 78 | 73 | 50 | 79 | 0 |
| 10A | BICEP II MAGNU | 3.30 | LAA | 9 | 0 | 82 | 67 | 75 | 97 | 0 |
| | B>PYTHON 80WG | 0.05 | LAA | 9 | | | | | | |
| 11A | BICEP II MAGNU | 3.30 | LAA | 9 | 0 | 87 | 78 | 80 | 90 | 0 |
| | B>HORNET 68.5WG | 0.128 | LAA | 9 | | | | | | |
| 12A | FULTIME 4SC | 3.25 | LAA | 9 | 0 | 96 | 88 | 83 | 96 | 0 |
| | B>HORNET 68.5WG | 0.128 | LAA | 9 | | | | | | |
| 13A | AXIOM | 0.81 | LAA | 9 | 0 | 94 | 93 | 87 | 90 | 0 |
| | B>HORNET 68.5WG | 0.128 | LAA | 9 | | | | | | |
| | C ATRAZINE DF | 1.00 | LAA | 9 | | | | | | |
| 14A | EPIC 58DF | 0.47 | LAA | 9 | 0 | 80 | 80 | 83 | 92 | 0 |
| | B ATRAZINE DF | 1.50 | LAA | 9 | | | | | | |
| 15A | USA 2001 71.5W | 0.715 | LAA | 9 | 0 | 82 | 86 | 80 | 83 | 0 |
| | B ATRAZINE DF | 1.50 | LAA | 9 | | | | | | |
| 16A | USA 2001 71.5W | 0.85 | LAA | 9 | 0 | 86 | 95 | 93 | 98 | 0 |
| | B ATRAZINE DF | 1.25 | LAA | 9 | | | | | | |
| 17A | LEADOFF | 2.50 | LAA | 9 | 0 | 88 | 88 | 88 | 91 | 0 |
| | B>BALANCE PRO 4S | 0.063 | LAA | 9 | | | | | | |
| 18A | BICEP II MAGNU | 3.30 | LAA | 9 | 0 | 93 | 86 | 92 | 99 | 0 |
| | B>BALANCE PRO 4S | 0.063 | LAA | 9 | | | | | | |
| 19A | BICEP II MAGNU | 3.30 | LAA | 9 | 0 | 87 | 91 | 91 | 99 | 0 |
| | B>CALLISTO 4SC | 0.188 | LAA | 9 | | | | | | |
| 20A | FULTIME 4SC | 3.25 | LAA | 9 | 0 | 91 | 82 | 82 | 92 | 0 |
| | B>CALLISTO 4SC | 0.188 | LAA | 9 | | | | | | |
| 21A | BALANCE PRO 4S | 0.086 | LAA | 9 | 0 | 75 | 75 | 82 | 94 | 0 |
| | B ATRAZINE DF | 1.00 | LAA | 9 | | | | | | |
| 22A | EPIC 58DF | 0.54 | LAA | 9 | 0 | 87 | 82 | 86 | 92 | 0 |
| 23A | USA 2001 71.5W | 0.85 | LAA | 9 | 0 | 85 | 87 | 88 | 93 | 0 |
| 24A | DEFINE 60DF | 0.60 | LAA | 9 | 0 | 88 | 72 | 82 | 92 | 0 |
| | B>BALANCE PRO 4S | 0.086 | LAA | 9 | | | | | | |
| 25A | GF-688 3.5L | 2.19 | LAA | 9 | 0 | 94 | 92 | 84 | 92 | 0 |
| 26A | DUAL II MAGNUM | 1.59 | LAA | 9 | 0 | 86 | 90 | 90 | 90 | 0 |
| | B>CALLISTO 4SC | 0.188 | LAA | 9 | | | | | | |

DATA MEAN

TITLE: Dekalb Corn Preemergence Systems SW-1600

| | | | | | | |
|--------------------|------|-------|-------|-------|-------|------|
| LSD (0.05) | 0.00 | 14.21 | 18.10 | 14.16 | 12.27 | 0.00 |
| STANDARD DEVIATION | 0.00 | 7.10 | 9.00 | 7.08 | 6.14 | 0.00 |

DATA MEAN

TITLE: Dekalb Corn Preemergence Systems SW-1600

CREATED: 04/05/2001 REVISED: 11/06/2001

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 | | | SETFA | AMBTR | ABUTH | CHEAL | YIELD |
|------------|------------------------|--------|------|----|-------------------|-------------------|-------------------|-------------------|------------------|
| | | RATE | UNIT | TM | CON % 07/02/01 | CON % 07/02/01 | CON % 07/02/01 | CON % 07/02/01 | BU/A 10/28/01 |
| 1A | BICEP II MAGNU | 3.30 | LAA | 9 | 58 | 57 | 68 | 67 | 92.2 |
| 2A | BICEP II MAGNU | 3.58 | LAA | 9 | 60 | 77 | 72 | 75 | 117.3 |
| 3A | HARNESS XTRA | 3.50 | LAA | 9 | 68 | 57 | 65 | 78 | 109.4 |
| 4A | GUARDS MAX 5L | 2.81 | LAA | 9 | 65 | 63 | 68 | 68 | 104.7 |
| 5A | LEADOFF | 3.13 | LAA | 9 | 60 | 43 | 67 | 70 | 100.8 |
| 6A | CHECK | 0.00 | NA | 0 | 0 | 0 | 0 | 0 | 12.9 |
| 7A | AXIOM | 0.81 | LAA | 9 | 68 | 57 | 73 | 67 | 78.8 |
| | B ATRAZINE DF | 1.50 | LAA | 9 | | | | | |
| 8A | FULTIME 4SC | 3.25 | LAA | 9 | 68 | 38 | 63 | 72 | 78.1 |
| 9A | DEGREE XTRA 4S | 3.23 | LAA | 9 | 67 | 58 | 58 | 72 | 85.1 |
| 10A | BICEP II MAGNU | 3.30 | LAA | 9 | 62 | 47 | 77 | 73 | 84.4 |
| | B>>PYTHON 80WG | 0.05 | LAA | 9 | | | | | |
| 11A | BICEP II MAGNU | 3.30 | LAA | 9 | 65 | 53 | 70 | 78 | 88.2 |
| | B>>HORNET 68.5WG | 0.128 | LAA | 9 | | | | | |
| 12A | FULTIME 4SC | 3.25 | LAA | 9 | 85 | 68 | 80 | 93 | 103.5 |
| | B>>HORNET 68.5WG | 0.128 | LAA | 9 | | | | | |
| 13A | AXIOM | 0.81 | LAA | 9 | 68 | 67 | 73 | 67 | 109.3 |
| | B>>HORNET 68.5WG | 0.128 | LAA | 9 | | | | | |
| | C ATRAZINE DF | 1.00 | LAA | 9 | | | | | |
| 14A | EPIC 58DF | 0.47 | LAA | 9 | 71 | 68 | 93 | 88 | 118.4 |
| | B ATRAZINE DF | 1.50 | LAA | 9 | | | | | |
| 15A | USA 2001 71.5W | 0.715 | LAA | 9 | 77 | 81 | 89 | 81 | 125.2 |
| | B ATRAZINE DF | 1.50 | LAA | 9 | | | | | |
| 16A | USA 2001 71.5W | 0.85 | LAA | 9 | 83 | 85 | 93 | 90 | 128.8 |
| | B ATRAZINE DF | 1.25 | LAA | 9 | | | | | |
| 17A | LEADOFF | 2.50 | LAA | 9 | 72 | 80 | 90 | 78 | 115.0 |
| | B>>BALANCE PRO 4S | 0.063 | LAA | 9 | | | | | |
| 18A | BICEP II MAGNU | 3.30 | LAA | 9 | 83 | 76 | 86 | 85 | 116.0 |
| | B>>BALANCE PRO 4S | 0.063 | LAA | 9 | | | | | |
| 19A | BICEP II MAGNU | 3.30 | LAA | 9 | 64 | 80 | 91 | 88 | 123.7 |
| | B>>CALLISTO 4SC | 0.188 | LAA | 9 | | | | | |
| 20A | FULTIME 4SC | 3.25 | LAA | 9 | 79 | 72 | 93 | 85 | 119.9 |
| | B>>CALLISTO 4SC | 0.188 | LAA | 9 | | | | | |
| 21A | BALANCE PRO 4S | 0.086 | LAA | 9 | 67 | 70 | 91 | 88 | 115.9 |
| | B ATRAZINE DF | 1.00 | LAA | 9 | | | | | |
| 22A | EPIC 58DF | 0.54 | LAA | 9 | 79 | 80 | 88 | 87 | 125.1 |
| 23A | USA 2001 71.5W | 0.85 | LAA | 9 | 76 | 80 | 96 | 77 | 136.6 |
| 24A | DEFINE 60DF | 0.60 | LAA | 9 | 77 | 55 | 96 | 87 | 108.0 |
| | B>>BALANCE PRO 4S | 0.086 | LAA | 9 | | | | | |
| 25A | GF-688 3.5L | 2.19 | LAA | 9 | 77 | 67 | 88 | 80 | 103.1 |
| 26A | DUAL II MAGNUM | 1.59 | LAA | 9 | 67 | 85 | 94 | 75 | 136.7 |
| | B>>CALLISTO 4SC | 0.188 | LAA | 9 | | | | | |

DATA MEAN

TITLE: Dekalb Corn Preemergence Systems SW-1600

| | | | | | |
|--------------------|-------|-------|-------|-------|-------|
| LSD (0.05) | 12.00 | 19.57 | 11.84 | 14.17 | 24.17 |
| STANDARD DEVIATION | 6.00 | 9.79 | 5.92 | 7.08 | 12.08 |

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

09 = ----- / PREEMERGENCE 05/01/2001(1)

| H# | CUSTOM#1 | CUSTOM#2 | EV. DATE | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS | C.M | CTRTR | SS | NOTE |
|----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|-------|----|------|
| 01 | ZEAMD | CON % | 05/29/2001 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 02 | SETFA | CON % | 05/29/2001 | 02 | P | SETFA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 03 | AMBTR | CON % | 05/29/2001 | 03 | P | AMBTR | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 04 | ABUTH | CON % | 05/29/2001 | 04 | P | ABUTH | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 05 | CHEAL | CON % | 05/29/2001 | 05 | P | CHEAL | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 06 | ZEAMD | CON % | 07/02/2001 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 07 | SETFA | CON % | 07/02/2001 | 02 | P | SETFA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 08 | AMBTR | CON % | 07/02/2001 | 03 | P | AMBTR | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 09 | ABUTH | CON % | 07/02/2001 | 04 | P | ABUTH | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 10 | CHEAL | CON % | 07/02/2001 | 05 | P | CHEAL | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 11 | YIELD | BU/A | 10/28/2001 | 01 | P | ZEAMD | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 33G26